SESSION 1
Program Overview, Lake Tahoe 101, and Geology of the Lake Tahoe Basin

Tuesday, June 2, 2015 (2 – 5 p.m.)

LOCATION: Tahoe Center for Environmental Sciences, Room 141
291 Country Club Drive, Incline Village, NV

1:30-2:00 p.m. Sign-in, Name Tags

2:00-2:10 p.m. Introductions/Ice Breaker

2:10-2:30 p.m. Introduction to UC Davis TERC and Docent Program Information
Presentation by Heather Segale, Education and Outreach Director and Alison Toy, Volunteer Docent Coordinator
• TERC mission, facilities, and research
• Docent program description and expectations
• Docent application & UC Davis forms
• Docent “shadowing”
• Safety

2:30-2:45 p.m. Current Docent Comments
Comments by Tim Kosier and others

2:45-3:45 p.m. Lake Tahoe 101: Lake of the Sky – The Story of Lake Tahoe
Presentation by David Antonucci, Civil & Environmental Engineer
• Geology and Formation of Lake Tahoe
• Bathymetry of the Lake Bottom
• Cultural and Environmental History
• Limnology and Climate
• Environmental Issues

3:45-4:00 p.m. Short Break

4:00-5:00 p.m. Geology of the Lake Tahoe Basin
Presentation by Tom Bullard, Desert Research Institute
• How the Tahoe Basin was Formed
• Distribution of Rock Types
• Glacial History
• Questions and Answers
SESSION 2
Exhibits, State of the Lake, and History of Research at Lake Tahoe

Thursday, June 4, 2015 (2 - 7 p.m.)

LOCATION: Tahoe Center for Environmental Sciences, Room 141
291 Country Club Drive, Incline Village, NV

1:40-2:00 p.m. “Lake Tahoe In Depth” 3D Movie (optional for those who have not seen the movie)

2:00-2:35 p.m. Overview of Exhibits of the Tahoe Science Center
Presentation by Heather Segale, Education Program Director
• Walk through the Docent Binder
• Major Themes & Talking Points

2:35-3:00 p.m. Exhibits of the Tahoe Science Center
One Exhibit Rotation with Heather Segale, Alison Toy, Carley O’Connell, Diana Hitchen, and Laynie Saidnawey
1. Donor Wall, Tahoe Watershed Map, and Research Vessel John Le Conte
2. Research in Action Wall, Large Monitor (Research), and Virtual Biology Lab
3. 3D Visualization Theater, Sandbox, Docent Room, and Touch Screen Monitor

3:00-3:10 p.m. Short Break

3:10-4:00 p.m. Exhibits of the Tahoe Science Center, continued
Two Exhibit Rotations with Heather Segale, Alison Toy, Carley O’Connell, Diana Hitchen, and Laynie Saidnawey
1. Donor Wall, Tahoe Watershed Map, and Research Vessel John Le Conte
2. Research in Action Wall, Large Monitor (Research) and Virtual Biology Lab
3. 3D Visualization Theater, Sandbox, Docent Room, and Touch Screen Monitor

Exhibit Question and Answer

4:00-4:10 p.m. Short Break

4:10-5:10 p.m. Everything You Wanted to Know About Lake Tahoe But Were Afraid to Ask
Presentation by Dr. S. Geoffrey Schladow, Director, UC Davis TERC
• State of the Lake
• Lake Clarity Modeling
• Climate Change
• Invasive Species Research
• Other Research Information and Updates
• Questions and Answers

5:10-6:00 p.m. Break, Appetizers, and Happy Hour
6:00-7:00 p.m. The History and Stories of Research at Lake Tahoe
Presentation by Dr. Charles Goldman, noted freshwater scientist and founding director, UC Davis Tahoe Research Group
- Four Decades of Research on Lake Tahoe
- The Challenge Ahead
SESSION 3
Eriksson Education Center Exhibits and Ecology of Lake Tahoe

Saturday, June 6, 2015 (9 – 12 p.m.)

LOCATION: Tahoe City Field Station (Historic Hatchery)
2400 Lake Forest Road, Tahoe City, CA

9:00-9:30 a.m. Historic Hatchery Background of the Building
   Presentation by Heather Segale, Alison Toy and Dave Long
   • Historic overview
   • Renovations of the building
   • Eriksson Education Center
   • Citizen Monitoring

9:30-10:00 a.m. Food Web Research at Lake Tahoe
   Presentation by Christine Ngai-Ryan, University of Nevada Reno
   • The Ecology and Food Web of Lake Tahoe
   • Invasive Species

10:00-10:15 a.m. Break

10:15 a.m.-12:00 p.m. Overviews of exhibits and Demonstration Garden
   Presentations by Heather Segale, Alison Toy, and Dave Long
   • Historic Building Tour
   • Description of the educational points of the exhibits
   • Guided Walk through the Demonstration Garden
   • Citizen Monitoring (water quality, plant phenology, and bird watching)

12:00-12:30 p.m. Questions and Answers (as needed)
SESSION 4
Research Vessel

Friday, June 12, 2015 (8–10 a.m. or 10 a.m.–12 p.m.)

LOCATION: Research Vessel John LeConte
Meet at Tahoe City Marina Boat Dock, Tahoe City, CA

8:00-10:00 a.m. 1st Research Vessel Excursion – Meet at Tahoe City Marina before 7 a.m.
(Please RSVP to Alison Toy, 775-881-7566 or antoy@ucdavis.edu)
Presentation by Brant Allen, UC Davis Boat Captain & Field Station Manager

- View of Lake Tahoe’s watershed from the lake
- Research and monitoring at Lake Tahoe
- Regular lake samples including Secchi depth, nutrient loading, zooplankton, periphyton and NASA buoys
- Measuring transparency using the Secchi disk
- Gathering zooplankton with the plankton net
- NASA research buoys
- Question & Answers

10:00 a.m.-12:00 p.m. 2nd Research Vessel Excursion – Meet at Tahoe City Marina before 9 a.m.
(Please RSVP to Alison Toy, 775-881-7566 or antoy@ucdavis.edu)
Presentation by Brant Allen, UC Davis Boat Captain

- View of Lake Tahoe’s watershed from the lake
- Research and monitoring at Lake Tahoe
- Regular lake samples including Secchi depth, nutrient loading, zooplankton, periphyton and NASA buoys
- Measuring transparency using the Secchi disk
- Gathering zooplankton with the plankton net
- NASA research buoys
- Question & Answers
HOMEWORK - ON YOUR OWN

1. Sign up for 2 shadowing dates
2. Visit for Green Building Tour
3. Review Docent Binder
4. Attend monthly lectures (as interest and time allows)