

SESSION 1

Program Overview, Lake Tahoe 101, State of the Lake, and History of Research at Lake Tahoe

Thursday, June 15, 2017 (1 – 5 p.m.)

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

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| 1:00-1:15 p.m. | Sign-in, Name Tags |
| 1:15-1:45 p.m. | Introductions/Ice Breaker |
| 1:45-2:30 p.m. | Introduction to UC Davis TERC and Docent Program Information
<i>Presentation by Heather Segale, Education and Outreach Director and Alison Toy, Volunteer Docent Coordinator</i> <ul style="list-style-type: none">• 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
<i>Comments by Tim Kosier and others</i> |
| 2:45-3:45 p.m. | Lake Tahoe 101: Lake of the Sky – The Story of Lake Tahoe
<i>Presentation by David Antonucci, Civil & Environmental Engineer</i> <ul style="list-style-type: none">• 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
<i>Presentation by Annie Kell, University of Nevada, Reno</i> <ul style="list-style-type: none">• How the Tahoe Basin was Formed• Distribution of Rock Types• Glacial History• Questions and Answers |

SESSION 2

Exhibits, Exhibit Information, Geology

Monday, June 19, 2017 (1 – 5 p.m.)

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

- 12:40-1:00 p.m. "Lake Tahoe In Depth" 3D Movie *(optional for those who have not seen the movie)*
- 1:00-1:30 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
- 1:30 -1:45 p.m. Short Break
- 1:45-2:30 p.m. Exhibits of the Tahoe Science Center
Exhibit Rotation #1
1. Donor Wall, Tahoe Watershed Map, and Research Vessel John Le Conte *(Alison)*
 - Research in Action Wall, Hands-on exhibits *(Denise)*
 2. Large Monitor, Virtual Biology Lab, Live Organisms, and Microscope *(Gabe)*
 - Glasses cleaning, Use of kitchen *(Denise)*
 3. 3D Theater, AR Sandbox, and Docent Room *(Heather)*
 - Touch Screen Monitor, Surveys, Donation Buoy, Green Exhibits, Take Care Mural, and Lake Conditions Exhibit *(Teagan)*
- 2:30-3:15 p.m. Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #2
- 3:15-4:00 p.m. Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #3
- 4:00-4:15 p.m. Short Break
- 4:15-5:00 p.m. Questions & Answers

SESSION 3

History of Research, Current Research at Lake Tahoe

Tuesday, June 20, 2017 (1 – 5 p.m.)

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

- 1:00-1:15 p.m. Sign-in, Name Tags
- 1:15-2:00 p.m. Forest Health & Tree Mortality
Presentation by Dr. Tricia Maloney, Associate Director, UC Davis TERC
- Tahoe Forests
 - Changing Forests
 - Genetics
- 2:00-3:00 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
- Five Decades of Research on Lake Tahoe
 - The Challenge Ahead
- 3:00-4:00 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
- 4:00-5:00 p.m. Docent Happy Hour

SESSION 4

Eriksson Education Center Exhibits and Ecology of Lake Tahoe

Saturday, June 24, 2017 (7 or 9 a.m. – 12 p.m.)

LOCATION: Research Vessel John LeConte, Tahoe City Marina, Tahoe City, CA

7:00 – 9:00 a.m. Boat Trip #1 on the Research Vessel John LeConte with Brant Allen (ALISON)

9:00 – 11:00 a.m. Boat Trip #2 on the Research Vessel John LeConte with Brant Allen (GABE)

Saturday, June 24, 2017 (11 a.m. – 2 p.m.)

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

- 11:00-11:30 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
- 11:30-12:15 a.m. Food Web Research at Lake Tahoe
Presentation by Brant Allen, UC Davis
- The Ecology and Food Web of Lake Tahoe
 - Invasive Species
- 12:15-12:45 a.m. Lunch Break
- 12:45 -1:45 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)
- 1:45-2:00 p.m. Questions and Answers *(as needed)*

SESSION 4
Research Vessel

DATE: Saturday, June 24, 2017

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

7:00-9:00 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

9:00 -11:00 a.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

- Same as above

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)