

SESSION 1

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

Tuesday, June 21, 2016 (2 – 7 p.m.)

LOCATION: Tahoe Center for Environmental Sciences, Room 139  
291 Country Club Drive, Incline Village, NV

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| 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<br><i>Presentation by Heather Segale, Education and Outreach Director and Alison Toy, Volunteer Docent Coordinator</i> <ul style="list-style-type: none"><li>• TERC mission, facilities, and research</li><li>• Docent program description and expectations</li><li>• Docent application &amp; UC Davis forms</li><li>• Docent “shadowing”</li><li>• Safety</li></ul> |
| 2:30 – 2:45 p.m. | Current Docent Comments  |
| 2:45 – 3:45 p.m. | Lake Tahoe 101: Lake of the Sky – The Story of Lake Tahoe<br><i>Presentation by David Antonucci, Civil &amp; Environmental Engineer</i> <ul style="list-style-type: none"><li>• Geology and Formation of Lake Tahoe</li><li>• Bathymetry of the Lake Bottom</li><li>• Cultural and Environmental History</li><li>• Limnology and Climate</li><li>• Environmental Issues</li></ul>  |
| 3:45 – 4:00 p.m. | Short Break  |
| 4:00 – 5:00 p.m. | Everything You Wanted to Know About Lake Tahoe But Were Afraid to Ask<br><i>Presentation by Dr. S. Geoffrey Schladow, Director, UC Davis TERC</i> <ul style="list-style-type: none"><li>• State of the Lake</li><li>• Lake Clarity Modeling</li><li>• Climate Change</li><li>• Invasive Species Research</li><li>• Other Research Information and Updates</li><li>• Questions and Answers</li></ul>                                |
| 5:00 – 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*
- Five Decades of Research on Lake Tahoe
  - The Challenge Ahead

### 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)

SESSION 2

Exhibits, Exhibit Information, Geology

Thursday, June 23, 2016 (2 – 5:30 p.m.)

LOCATION: Tahoe Center for Environmental Sciences, Room 139  
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 – 2:50 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
- 2:50 – 3:00 p.m. Short Break
- 3:00 – 3:30 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 (Evan)
  2. Large Monitor, Virtual Biology Lab, Live Organisms, and Microscope (Emily)
    - Glasses cleaning and use of kitchen (Evan)
  3. 3D Theater, Sandbox, Tracking Forms, and Docent Room (Heather)
    - Donation Buoy, Touch Screen/Exit Surveys, Green Exhibits, Take Care Mural, and Lake Exhibit (Bree)
- 3:30 – 4:00 p.m. Exhibits of the Tahoe Science Center, continued  
*Exhibit Rotation #2*
- 4:00 – 4:30 p.m. Exhibits of the Tahoe Science Center, continued  
*Exhibit Rotation #3*
- 4:30 – 4:40 p.m. Short Break
- 4:40 – 5:30 p.m. Geology of the Lake Tahoe Basin  
*Presentation by Annie Kell, University of Nevada, Reno*
- How the Tahoe Basin was Formed
  - Distribution of Rock Types
  - Glacial History
  - Questions and Answers

SESSION 3

Saturday, June 25, 2016 (7am/9am – 2pm)

Research Vessels Rides

LOCATION: Tahoe City Marina  
700 N. Lake Blvd., Tahoe City CA

- 7:00 – 9:00 a.m. 1<sup>st</sup> Research Vessel Excursion – Meet before 7 a.m.  
*(Please RSVP to Alison Toy, 775-881-7566 or antoy@ucdavis.edu)*  
*Presentation by Brant Allen, UC Davis Boat Captain*
- 9:00 – 11:00 a.m. 2<sup>nd</sup> Research Vessel Excursion – Meet before 9 a.m.  
*(Please RSVP to Alison Toy, 775-881-7566 or antoy@ucdavis.edu)*  
*Presentation by Brant Allen, UC Davis Boat Captain*

Eriksson Education Center Exhibits and Ecology of Lake Tahoe

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

- 11:30 – 12:00 p.m. Food Web Research at Lake Tahoe  
*Presentation by Brant Allen, UC Davis Boat Captain & Field Station Manager*
- The Ecology and Food Web of Lake Tahoe
  - Invasive Species
- 12:00 – 12:30 p.m. Research and Monitoring at Lake Tahoe  
*Presentation by Brant Allen, UC Davis Boat Captain & Field Station Manager*
- Regular lake samples including Secchi depth, nutrient loading, zooplankton, periphyton and NASA buoys
- 12:30 – 1:00 p.m. Lunch Break *(salad and pizza provided)*
- 1:00 – 1:30 p.m. Historic Hatchery Background of the Building  
*Presentation by Heather Segale, Alison Toy and Dave Long*
- Historic overview and Renovations of the building
  - Eriksson Education Center and Garden
  - Citizen Monitoring and Docent Desk
- 1:30 – 2:00 p.m. Questions and Answers