

SESSION 1**Lake Tahoe 101, Program Overview, Geology**

Monday, June 11, 2018 (1 – 5 p.m.)

LOCATION: Tahoe Center for Environmental Sciences, Rooms 139/141
291 Country Club Drive, Incline Village, NV

- 1:00-1:15 p.m. Sign-in, Name Tags, Collect Docent Manual, Complete Docent Forms
- 1:15-1:45 p.m. Introductions/Ice Breaker
- 1:45 – 2:45 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
- 2:45-3:30 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
- 3:30-3:45 p.m. Short Break
- 3:45-5:00 p.m. Geology of the Lake Tahoe Basin
Presentation by Annie Kell, University of Nevada, Reno
- Geology of the region
 - The greater tectonic activity of the region
 - Lake Tahoe Basin formation
 - A timeline of Tahoe’s formation
 - Glacial History
 - Underwater Landslide
 - Bathymetry
 - Expectation of earthquakes and other geologic hazards
 - Questions and Answers

SESSION 2
TERC Research at Lake Tahoe

Thursday, June 14, 2018 (2:30 – 7 p.m.)

LOCATION: Tahoe Center for Environmental Sciences, Rooms 139/141
291 Country Club Drive, Incline Village, NV

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| 2:15 -2:30 p.m. | Sign-in, Name Tags |
| 2:30-3:15 p.m. | Forest Health & Tree Mortality
<i>Presentation by Dr. Tricia Maloney, Associate Director, UC Davis TERC</i> <ul style="list-style-type: none">• Tahoe Forests• Changing Forests• Genetics |
| 3:15-3:30 p.m. | Break |
| 3:30-3:45 p.m. | Current Docent Comments
<i>Comments by Tim Kosier and others</i> |
| 3:45-3:55 p.m. | Thank you to TERC docents
<i>Comments by Jen Prah, Associate Director of Development, UC Davis</i> |
| 3:55-5:00 p.m. | Everything You Wanted to Know About Lake Tahoe But Were Afraid to Ask
<i>Presentation by Dr. S. Geoffrey Schladow, Director, UC Davis TERC</i> <ul style="list-style-type: none">• State of the Lake• Lake Clarity Modeling• Climate Change• Invasive Species Research• Other Research Information and Updates• Questions and Answers |
| 5:00-5:30 p.m. | Docent Happy Hour / Docent Break |
| 5:30-6:00 p.m. | Public Happy Hour |
| 6:00-7:00 p.m. | Public Lecture: Time Travel: Revisiting Lake Tahoe
<i>Presentation by Dr. Peter Goin, Director, Photography/Time-based Media, University of Nevada, Reno</i> |

SESSION 3**Eriksson Education Center Exhibits and Ecology of Lake Tahoe**

Saturday, June 16, 2018 (7 or 9 a.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*

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

**Liability Waiver required*

Saturday, June 16, 2018 (11:30 a.m. – 2 p.m.)

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

- 11:30-12:00 p.m. Historic Background of the Hatchery Building
Presentation by Heather Segale, Alison Toy, and Dave Long
- Historic overview
 - Renovations
 - Eriksson Education Center
- 12:00-12:20 p.m. Lunch Break
- 12:20-1:20 p.m. Food Web Research at Lake Tahoe
Presentation by Brant Allen, UC Davis
- The Ecology and Food Web of Lake Tahoe
 - Invasive Species
- 1:20 -2:20 p.m. Overviews of exhibits and Demonstration Garden
Presentations by Heather Segale, Alison Toy, and Dave Long
- Historic Hatchery Tour
 - Educational points of the exhibits
 - Demonstration Garden
 - Citizen Monitoring (water quality, plant phenology, and bird watching)
- 2:20 – 2:30 p.m. Questions and Answers (*as needed*)

SESSION 3
Research Vessel

DATE: Saturday, June 16, 2018

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. with a signed Liability Waiver.**
(Please RSVP to Christine Limon, 775-881-7560 ext. 7483 or cjlimon@ucdavis.edu)
Presentation by Brant Allen, UC Davis Boat Captain & Field Station Manager

- View Lake Tahoe’s watershed
- Lake research and monitoring
- Regular lake monitoring
 - Secchi depth
 - Nutrient loading
 - Zooplankton
 - Periphyton
 - NASA buoys
- Question & Answers

9:00 -11:00 a.m. 2nd Research Vessel Excursion – **Meet at Tahoe City Marina before 9 a.m. with a signed Liability Waiver.**
(Please RSVP to Christine Limon, 775-881-7560 ext. 7483 or cjlimon@ucdavis.edu)
Presentation by Brant Allen, UC Davis Boat Captain

- Same as above

SESSION 4
Tahoe Science Center Exhibits and Exhibit Information

Monday, June 18, 2017 (1 – 4:30 p.m.)

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

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| 12:40-1:00 p.m. | “Lake Tahoe In Depth” 3D Movie (<i>optional for those who have not seen it</i>) |
| 1:00-1:30 p.m. | Overview of Exhibits of the Tahoe Science Center
<i>Presentation by Heather Segale, Education Program Director</i> <ul style="list-style-type: none">• 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
<i>Exhibit Rotation #1</i> <ul style="list-style-type: none">• Donor Wall, Tahoe Watershed Map, and Research Vessel John Le Conte (<i>Alison</i>)<ul style="list-style-type: none">○ Research in Action Wall, Hands-on exhibits (<i>Liz</i>)• Large Monitor, Virtual Biology Lab, Live Organisms, and Microscope (<i>Bre</i>)<ul style="list-style-type: none">○ Glasses cleaning, Use of kitchen (<i>Liz</i>)• 3D Theater, AR Sandbox, and Docent Room (<i>Heather</i>)<ul style="list-style-type: none">○ Touch Screen Monitor, Surveys, Donation Buoy, Green Exhibits, Take Care Mural, and Lake Conditions Exhibit (<i>Christine</i>) |
| 2:30-3:15 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #2</i> |
| 3:15-4:00 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #3</i> |
| 4:00-4:10 p.m. | Short Break |
| 4:10-4:30 p.m. | Questions & Answers |

HOMEWORK - ON YOUR OWN

1. Sign up for 2 shadowing dates
2. Review Docent Manual
3. Sign up for your first shift! You can partner up if desired.
4. Green Building Tour (as interest and time allows)
5. Attend monthly lectures (as interest and time allows)