

SESSION 1

Lake Tahoe 101, Program Overview, Geology

Thursday, June 13, 2019 (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, 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
<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 |
| 2:45-3:30 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 |
| 3:30-3:45 p.m. | Current Docent Comments
<i>Comments by Tim Kosier and others</i> |
| 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">• 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

Exhibits and Exhibit Information

Monday, June 17, 2019 (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> |
| 1:00-1:45 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">• Hike through the Docent Binder• Major Themes & Talking Points |
| 1:45-2:00 p.m. | Short Break |
| 2:00-2:40 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>(Brooke)</i>• Large Monitor, Virtual Biology Lab, Live Organisms, and Microscope <i>(Siya)</i><ul style="list-style-type: none">○ Glasses cleaning, Use of kitchen <i>(Brooke)</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>(Karen)</i> |
| 2:40-3:10 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #2</i> |
| 3:10-3:50 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #3</i> |
| 3:50-4:00 p.m. | Short Break |
| 4:00-4:30 p.m. | Questions & Answers |

SESSION 3a

Eriksson Education Center Exhibits and Ecology of Lake Tahoe

Tuesday, June 18, 2019 (7 or 9 a.m.)

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

Meet at Tahoe City Marina before start time with a signed Liability Waiver.
(Please RSVP to Siya Phillips, 775-881-7560 ext. 7474 or slyphillips@ucdavis.edu)

- 7:00 – 9:00 a.m. Boat Trip #1 on the Research Vessel John LeConte
- 9:00 – 11:00 a.m. Boat Trip #2 on the Research Vessel John LeConte with Brant Allen
Presentation by Brant Allen, UC Davis Boat Captain & Field Station Manager
- View Lake Tahoe's watershed
 - Lake research and monitoring
 - Regular lake sampling
 - Secchi depth
 - Nutrient loading
 - Zooplankton
 - NASA buoys

SESSION 3b

Tuesday, June 18, 2019 (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
 - Citizen Monitoring
- 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 -2:00 p.m. Overviews of exhibits and Demonstration Garden
Presentations by Heather Segale, Alison Toy, and Dave Long
- Historic Hatchery Tour
 - Demonstration Garden
 - Citizen Monitoring (water quality, plant phenology, and bird watching)

SESSION 4
TERC Research at Lake Tahoe

Thursday, June 20, 2019 (3:00 – 7 p.m.)

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

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| 3:00-3:30 p.m. | Sign-in, Name Tags |
| 3:30-4:45 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 |
| 4:45-5:30 p.m. | Docent Happy Hour / Docent Break |
| 5:30-6:00 p.m. | Public Happy Hour |
| 6:00-6:30 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 |

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)