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

Wednesday, June 15, 2022 (1 – 4:15 p.m.)

**LOCATION:** Zoom Webinar

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| 1:00-1:50 p.m. | Lake Tahoe 101: Lake of the Sky – The Story of Lake Tahoe  
*Presentation by David Antonucci, Civil & Environmental Engineer*  
- Facts and Trivia  
- Bathymetry of the Lake Bottom  
- Cultural and Environmental History  
- Limnology and Climate  
- Environmental Issues  
- Questions and Answers          |           |                                                                                  |
| 1:50-2:00 p.m. | Short Break                                                            |           |                                                                                  |
| 2:00-3:00 p.m. | Introductions and Tour Reservations  
- Staff and new docent introductions  
- Docent program overview  
- Tour reservations  
- Drop-in policy |           |                                                                                  |
| 3:00-4:30 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  
- *Mysis* shrimp removal project  
- Other Research Information and Updates  
- Questions and Answers |           |                                                                                  |
SESSION 2
Exhibits and Exhibit Information

Thursday, June 16, 2022 (3 – 7 p.m.)

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

3:00-3:20 p.m.
- “Lake Tahoe In Depth” 3D Movie (optional for those who have not seen it; must arrive before 3 p.m.)
- Sign-in, Name Tags

3:20-3:50 p.m.
Overview of Exhibits of the Tahoe Science Center
Presentation by Heather Segale, Education Program Director
- Hike through the Docent Binder
- Major Themes & Talking Points
- Sign-up for shifts and check manifest
- New visitation policy

3:50-4:00 p.m.
Short Break

4:00-4:30 p.m.
Exhibits of the Tahoe Science Center
Exhibit Rotation #1
- Donor Wall, Reception Desk, Survey iPads, Tahoe Watershed Map, Research Vessel John Le Conte, Microplastics Exhibit, and Research in Action Wall (Alison)

4:30-5:00 p.m.
Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #2
- Large Monitor, Virtual Biology Lab, Aquariums, Live Organisms, and Microscope (Jesse)

5:00-5:30 p.m.
Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #3
- 3D Theater, AR Sandbox, Docent Room, Touch Screen Monitor, Donation Buoy, Project WET booklets, and Children’s Corner (Heather)

5:30-6:00 p.m.
Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #4
- Field Trip Room, Glasses cleaning, Kitchen, Lake Conditions Exhibit, Green Building Exhibits, Take Care Mural, and Hands-on exhibits (Noah)

6:00-7:00 p.m.
Docent Happy Hour (optional mixer)
SESSION 3
UC Davis Research at Lake Tahoe

Friday, June 17, 2022 (8 - 10 a.m. / 10 a.m. - 12 p.m.)

LOCATION: Meet at Tahoe City Marina

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

8:00 – 10:00 a.m.  Boat Trip #1 on the Research Vessel John LeConte

10:00 – 12:00 p.m.  Boat Trip #2 on the Research Vessel John LeConte

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

NOTE: Volunteers must have all paperwork turned in, including liability waiver, and be committed to becoming a volunteer for TERC in order to participate in this UC Davis Research Vessel excursion.
HOMEWORK
Docent Training Videos to Watch

LOCATION: Video Links at https://tahoe.ucdavis.edu/docents

Watch video on your own time: https://youtu.be/eKOEp3amyPU
Introduction to UC Davis TERC and Docent Program Information
Presentation by Heather Segale, Education and Outreach Director and Alison Toy, Volunteer Docent Manager
- TERC mission, facilities, and research
- Docent program description and expectations
- Safety

Watch video on your own time: https://youtu.be/PEpKb6H4LG4
Online Docent Resources
- New sections of Docent Manual
- Navigating video resources on the UC Davis Tahoe YouTube Channel
- Social Media
- Reviews: Yelp, TripAdvisor, Google

Watch video on your own time: https://youtu.be/F_4aog4qlcs
Geology of the Lake Tahoe Basin
Presentation by Annie Kell, University of Nevada, Reno
- Geology of the region
- Lake Tahoe Basin formation
- Glacial History
- Underwater Landslide
- Bathymetry
- Expectation of earthquakes and other geologic hazards

Watch video on your own time: https://youtu.be/sMCw8nflyxo
Stories of Tahoe and Research
Presentation by Dr. Charles Goldman, Professor Emeritus, UC Davis
- Teaching limnology
- Six decades of research at Lake Tahoe with the Tahoe Research Group
- Changes at Lake Tahoe
- Sewage, Algal Growth, and Bioassays
- Science Impacts on Tahoe’s Future
- Greatest Contribution

MORE ON YOUR OWN

2. Sign up for 2 shadowing dates
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)