

SESSION 1

Lake Tahoe 101, Program Overview, Geology

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

LOCATION: Zoom Webinar

- 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

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| 3:00-3:20 p.m. | <ul style="list-style-type: none">• “Lake Tahoe In Depth” 3D Movie <i>(optional for those who have not seen it; must arrive before 3 p.m.)</i>• Sign-in, Name Tags |
| 3:20-3:50 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• 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
<i>Exhibit Rotation #1</i> <ul style="list-style-type: none">• Donor Wall, Reception Desk, Survey iPads, Tahoe Watershed Map, Research Vessel John Le Conte, Microplastics Exhibit, and Research in Action Wall <i>(Alison)</i> |
| 4:30-5:00 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #2</i> <ul style="list-style-type: none">• Large Monitor, Virtual Biology Lab, Aquariums, Live Organisms, and Microscope <i>(Jesse)</i> |
| 5:00-5:30 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #3</i> <ul style="list-style-type: none">• 3D Theater, AR Sandbox, Docent Room, Touch Screen Monitor, Donation Buoy, Project WET booklets, and Children’s Corner <i>(Heather)</i> |
| 5:30-6:00 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #4</i> <ul style="list-style-type: none">• Field Trip Room, Glasses cleaning, Kitchen, Lake Conditions Exhibit, Green Building Exhibits, Take Care Mural, and Hands-on exhibits <i>(Noah)</i> |
| 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/eKOE3amypU> 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
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Watch video on your own time: https://youtu.be/F_4aoq4qlCs 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/sMCw8n1yx0> 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

1. Review Docent Manual (PDF available at <https://tahoe.ucdavis.edu/docents>)
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)*