Lake Tahoe Clarity Workshop

Date: May 6-7, 2025

Time: May 6: 10:00 AM - 4:30 PM
May 7: 9:00 AM – 4:00 PM

Location: University of Nevada, Reno Tahoe Campus

Objectives:

- Revisit the assumptions and expectations behind clarity management policy
- Establish a roadmap for developing a predictive tool that can be used for different scenarios

Post-Workshop Products:

- A memorandum outlining steps to develop a tool that can be used to predict clarity
- Summary materials appropriate for a high-level presentation to the Tahoe Interagency Executive Steering Committee

Science Participants: Melack, Sadro, Schladow, Forrest, Chandra, Seitz, Heyvaert, Naranjo, Hampton, Smits

Management Participants: Segan, Kuchnicki, Fristen, Scribe, Hancock, Judge, Song, Fellers, Buxton, Collins

Sponsors:

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

KEEP TAHOE BLUE
League to Save Lake Tahoe

University of Nevada, Reno

Time	Agenda Item and Objective	Guiding Question(s)	Lead	Format/Materials
10:00	**Review Workshop Goals and Objectives**		Melack Larsen	Brief overview with the agenda as reference.
10:15	**Tahoe TMDL – Development and Implementation**	What were the key TMDL research, monitoring, and implementation efforts?	Schladow Judge Kuchnicki	Brief presentations, followed by discussion. Draft Lake Tahoe TMDL Chapter Lake Tahoe TMDL (Summary)
12:00	**Lunch**	Zooplankton demo - optional		Lunch served at the adjacent Café/cafeteria.
1:00	**Clarity status and trends**	What recent analyses have been conducted on clarity trends? How do trends align with policy expectations?	Melack Sadro Segan Scribe Judge Kuchnicki	Review of trends in clarity and available data Statistical analyses of Lake Tahoe Secchi depth data – Ramon Naranjo. 2024 and Adrianne Smits. 2024 Seasonal and Long-Term Clarity Trend Assessment of Lake Tahoe, California–Nevada

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2:30	**Predictive tool review**	What do we know, and what is the status of current tools?	Melack Schladow	Evaluation of the Lake Clarity Model Lake Tahoe Clarity Analysis and Modeling Phase I: Biogeochemical and Ecological Modeling Lake Tahoe Clarity Analysis and Modeling: Empirical Dynamic Modeling
4:30	**Adjourn**			
6:00	**Social/Dinner**			Hosted meal and beverages at Alibi Ale Works

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Day 2				
9:00	**Day 1 Review/Discussion**	What items need further conversation?	Larsen	
10:00	**Recent lake process research**	What have we learned about the factors influencing clarity? What are the priorities for expanding our knowledge?	Melack Sadro	Characteristics, Composition, and Relative Sources of Very Fine Particles Affecting Water Clarity in Lake Tahoe (Aquatic Particles Project) Zooplankton Ecology of Lake Tahoe: Composition, Migration, and Influence on Plankton Particle Sizes Final Report
12:00	**Lunch**			
1:00	**Predictive tool – alternatives**	What are the options?	All	
3:00	**Break**			
3:15	**Predictive tool – next steps**	What are the priority actions to advance this effort?	All	
4:30	**Adjourn**			