

# Clear Lake Remediation Lake Monitoring & Modeling

Blue Ribbon Committee Open House

December 13<sup>th</sup>, 2022



**UCDAVIS**

Tahoe Environmental  
Research Center



# Why is TERC Doing This Project?

Numerous studies that characterize  
Clear Lake Water Quality since 1970  
by DWR, Lake County, UCD, and many others

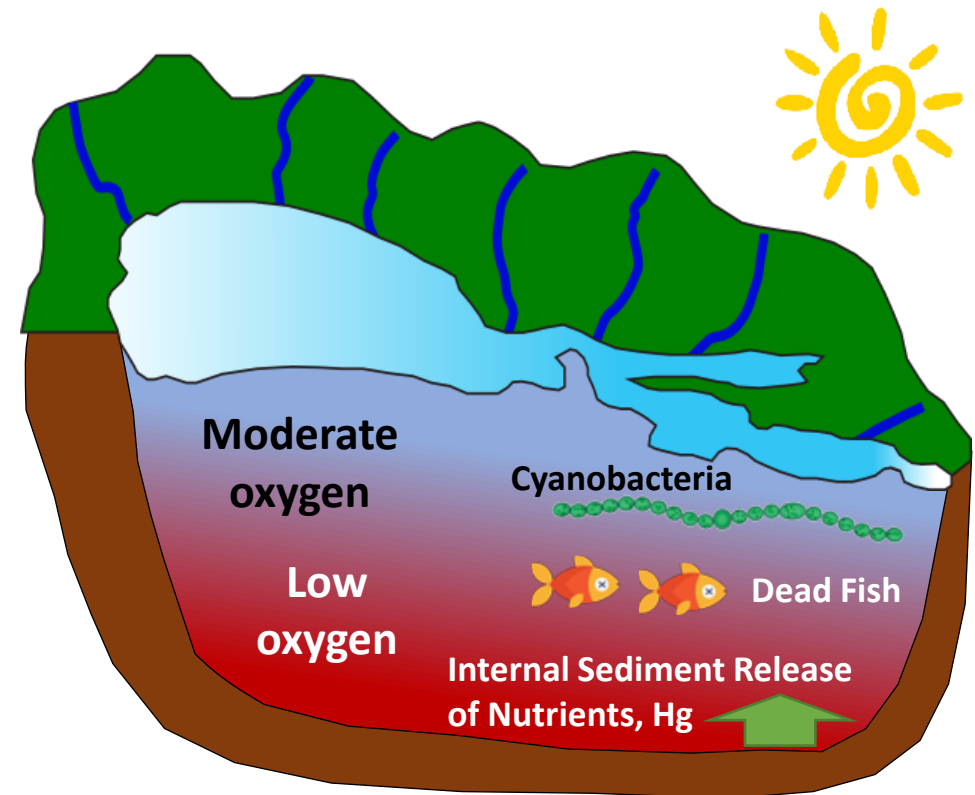
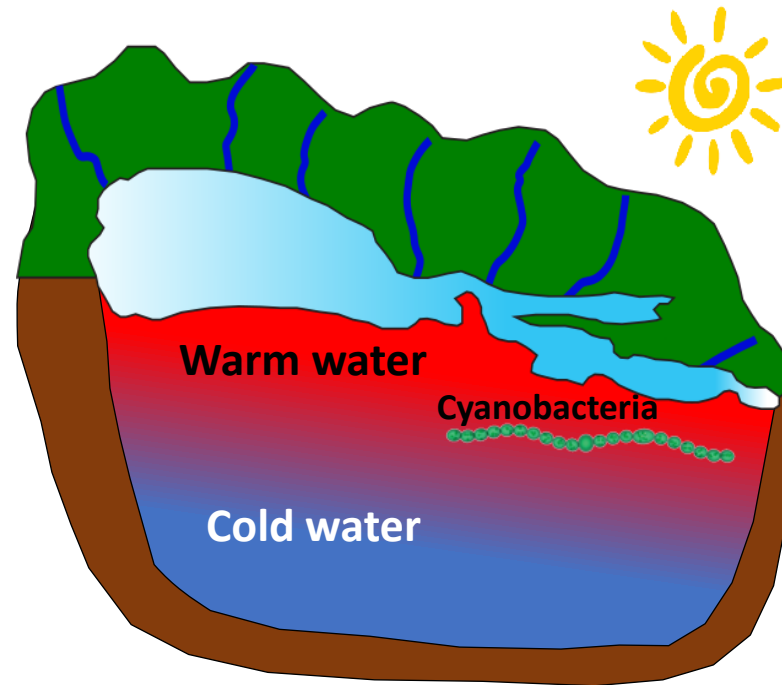
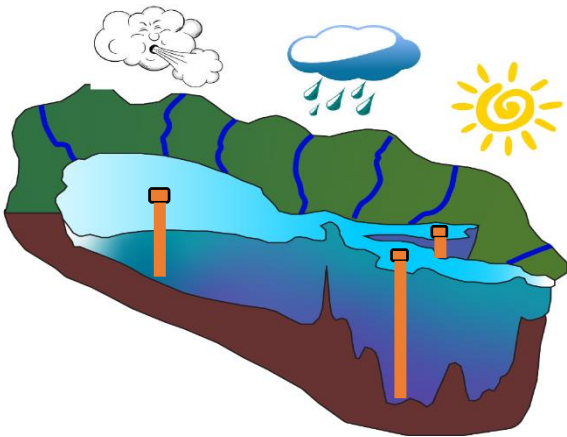
## ***BUT***

- *Focused on **historical** analysis, not driving mechanisms*
- *No **predictive tools** to explore restoration strategies, wildfire impacts, climate change*

# UC Davis TERC Program in Clear Lake



## Continuous Lake Measurements (Monitoring)

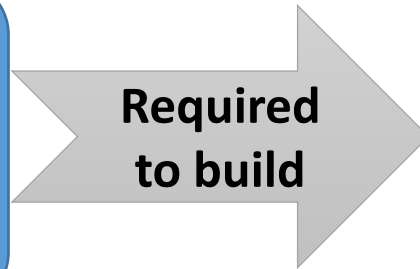




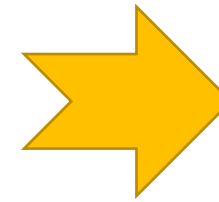
# UC Davis TERC Program in Clear Lake



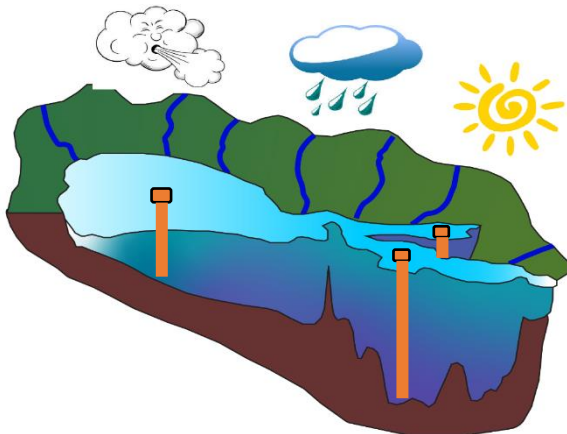
**Continuous Lake  
Measurements  
(Monitoring)**



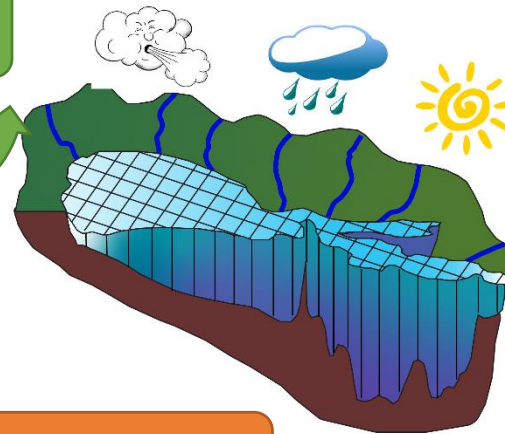
**Predictive  
Lake Models  
(Modeling)**



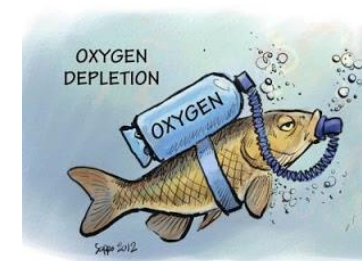
- Restoration Strategies (e.g. Hypolimnetic Oxygenation)
- Lake Management
- Climate Change Scenarios



**Watershed  
Inputs (USGS)**

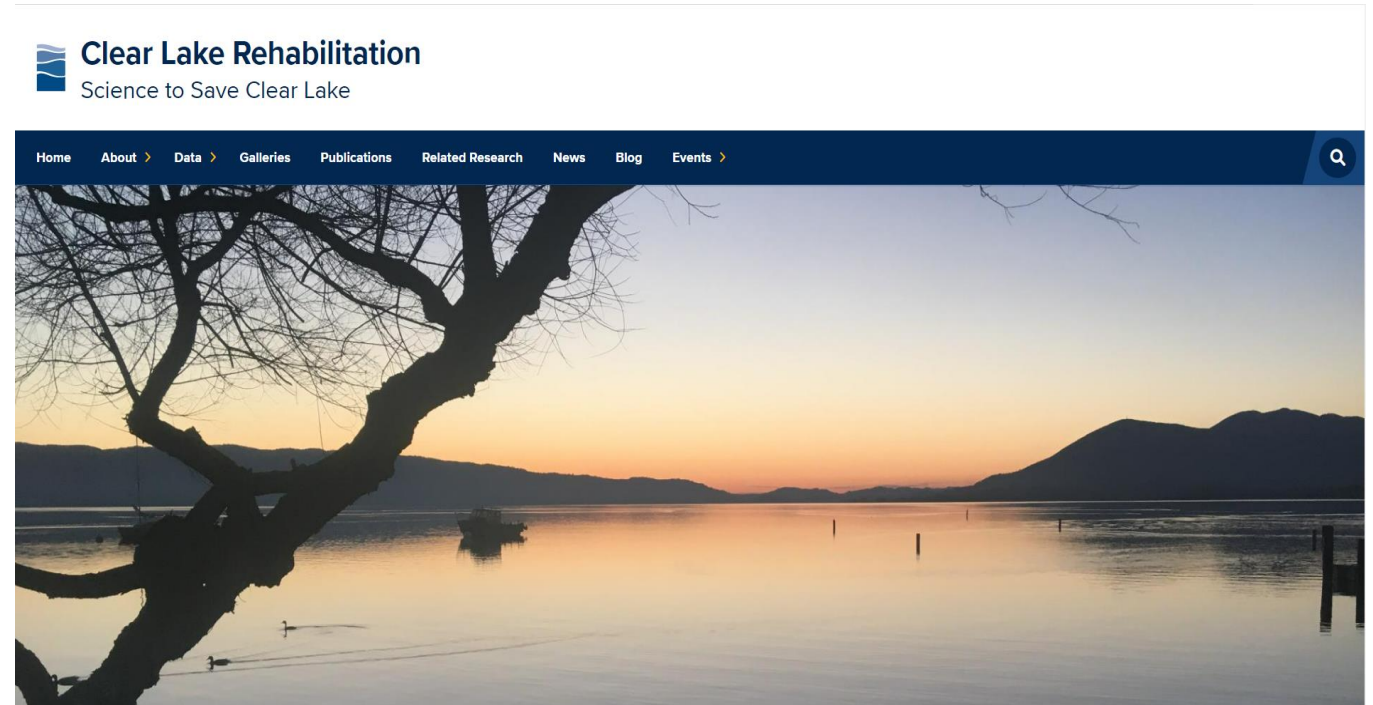
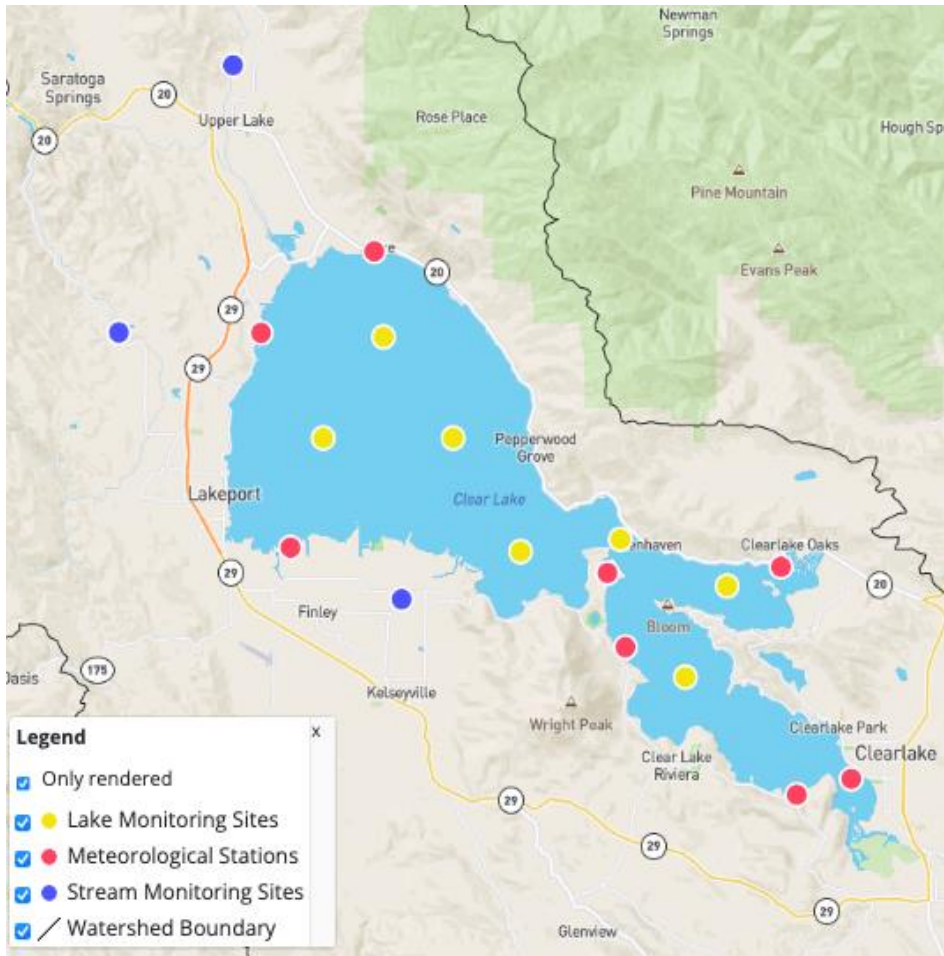


**Bathymetry**



# Access our Data!

[clearlakerehabilitation.ucdavis.edu](http://clearlakerehabilitation.ucdavis.edu)





Thank you for letting  
us do this work!  
Please, visit our booth!

