Clear Lake Technical Subcommittee

January 28th, 2021

https://terc-clearlake.wixsite.com/cldashboard

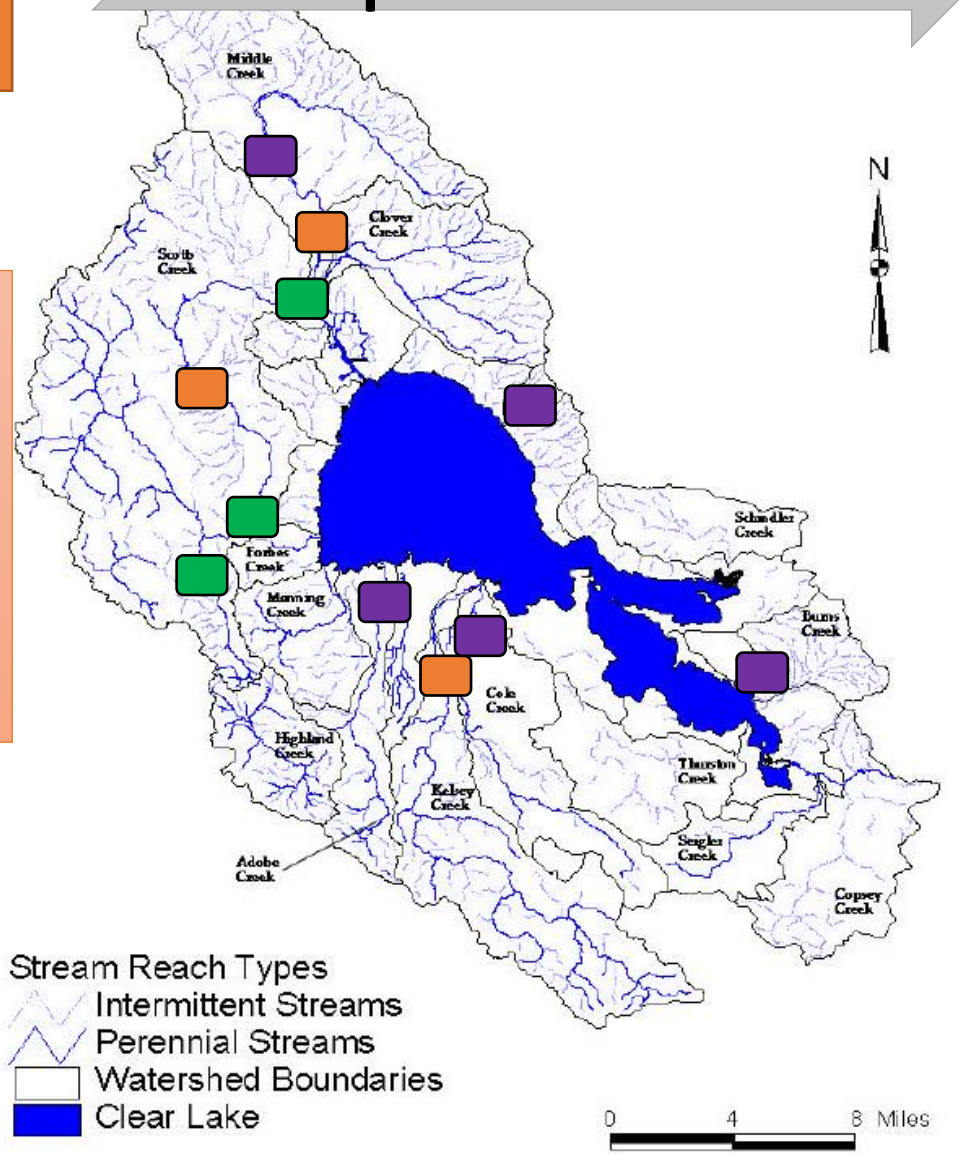
Watershed Monitoring

Required to run …

Watershed Modeling

Measurement of Flow, Nutrients and Sediment in ***Some*** **Streams** of the Watershed

Reproduce Flow, Nutrients and Sediment in ***All*** **Streams** and from entire Watershed

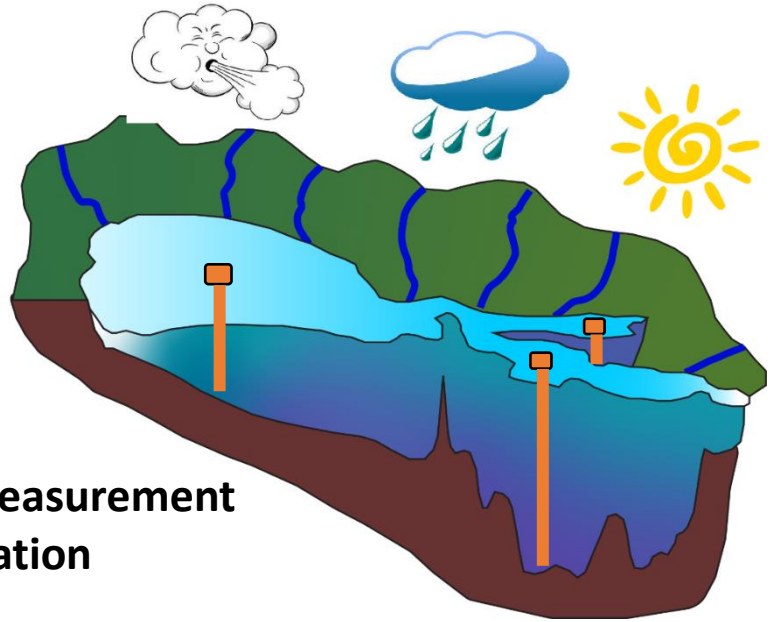


- **Existing station**
- **New station**
- **Proposed station**

Lake Monitoring

Required to run …

Lake Modeling

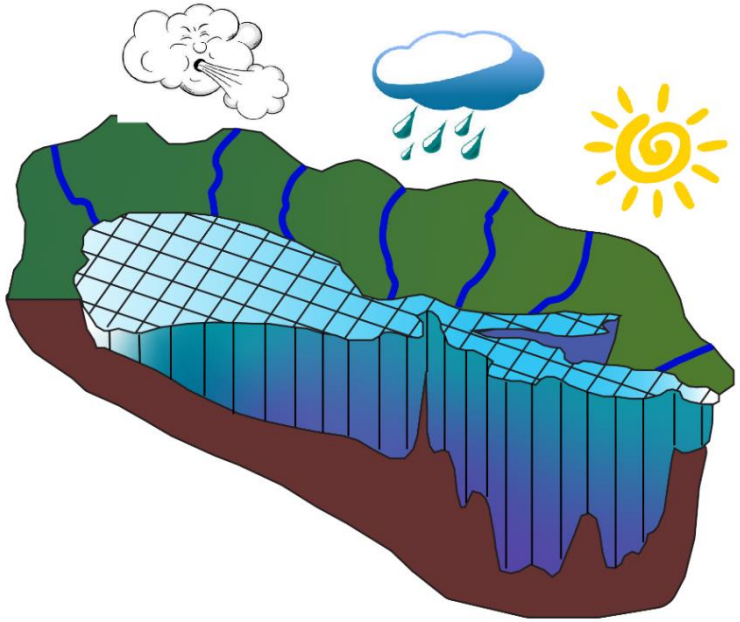


Measurement station

<u>Measurement</u> of Lake Temperature, DO, nutrients in

<u>Some</u>

Locations in the Lake



<u>Reproduce</u> Lake Temperature, DO, nutrients in

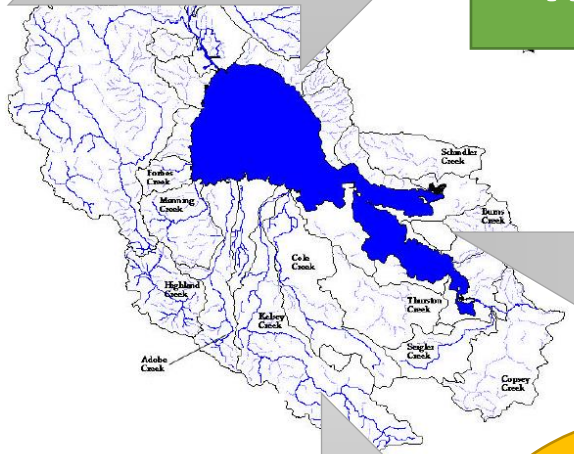
<u>All</u>

Locations in the Lake at past, present and future times

Watershed Monitoring

Required to run

Watershed Modeling



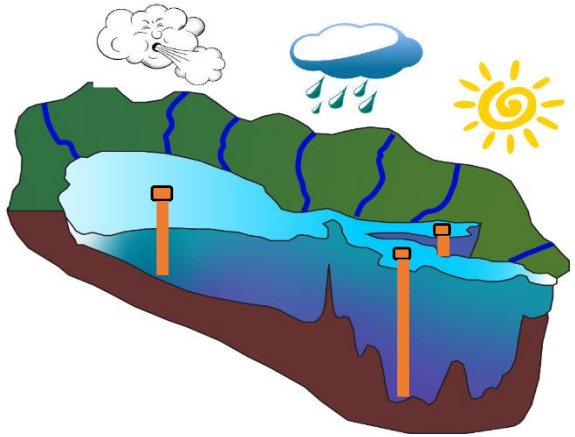
Required to run

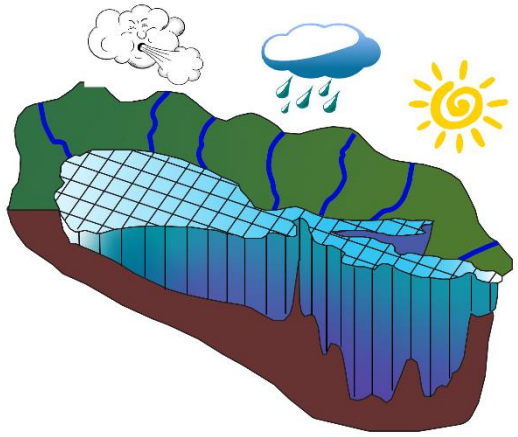
Lake Monitoring

Required to run

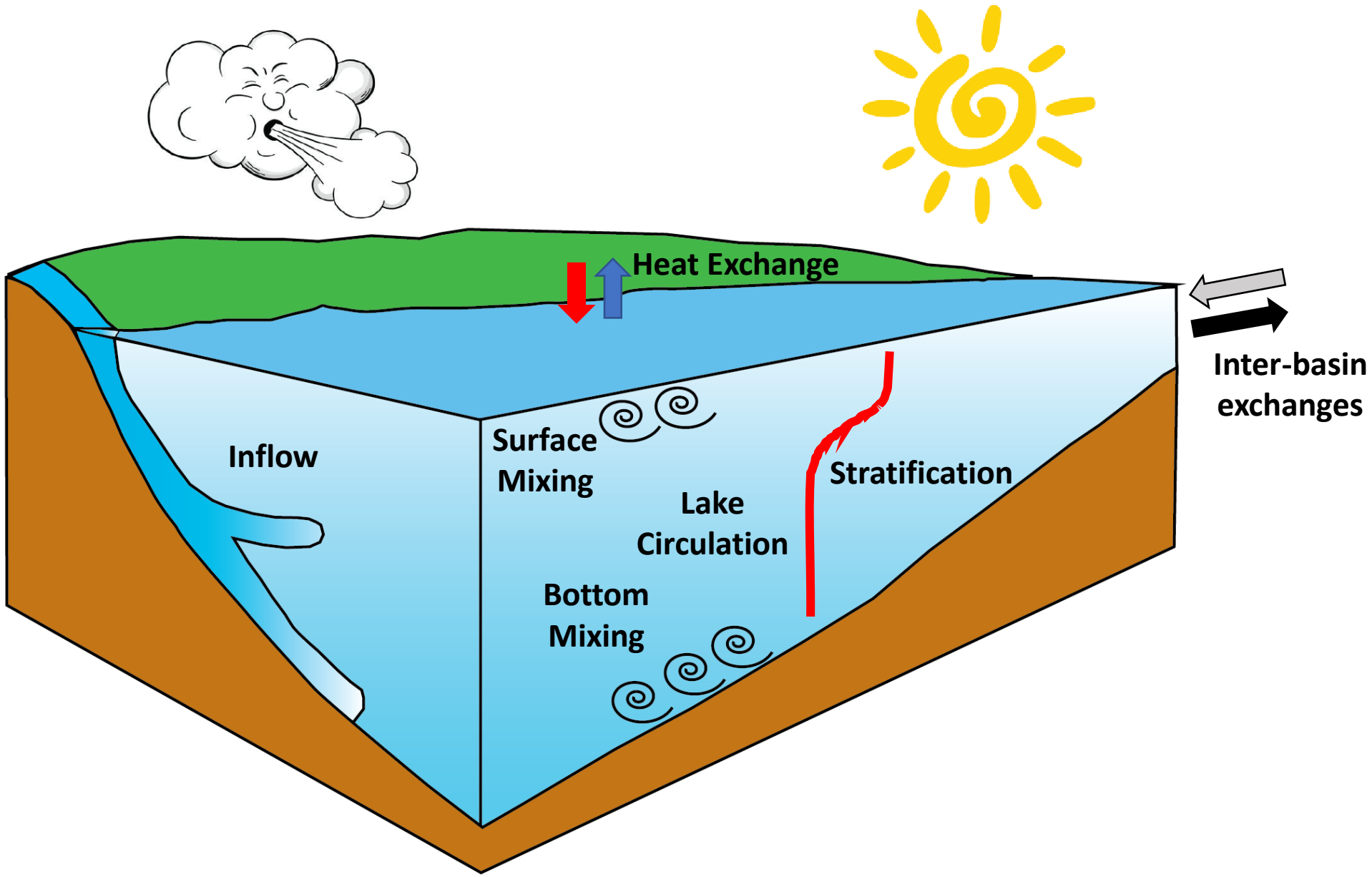
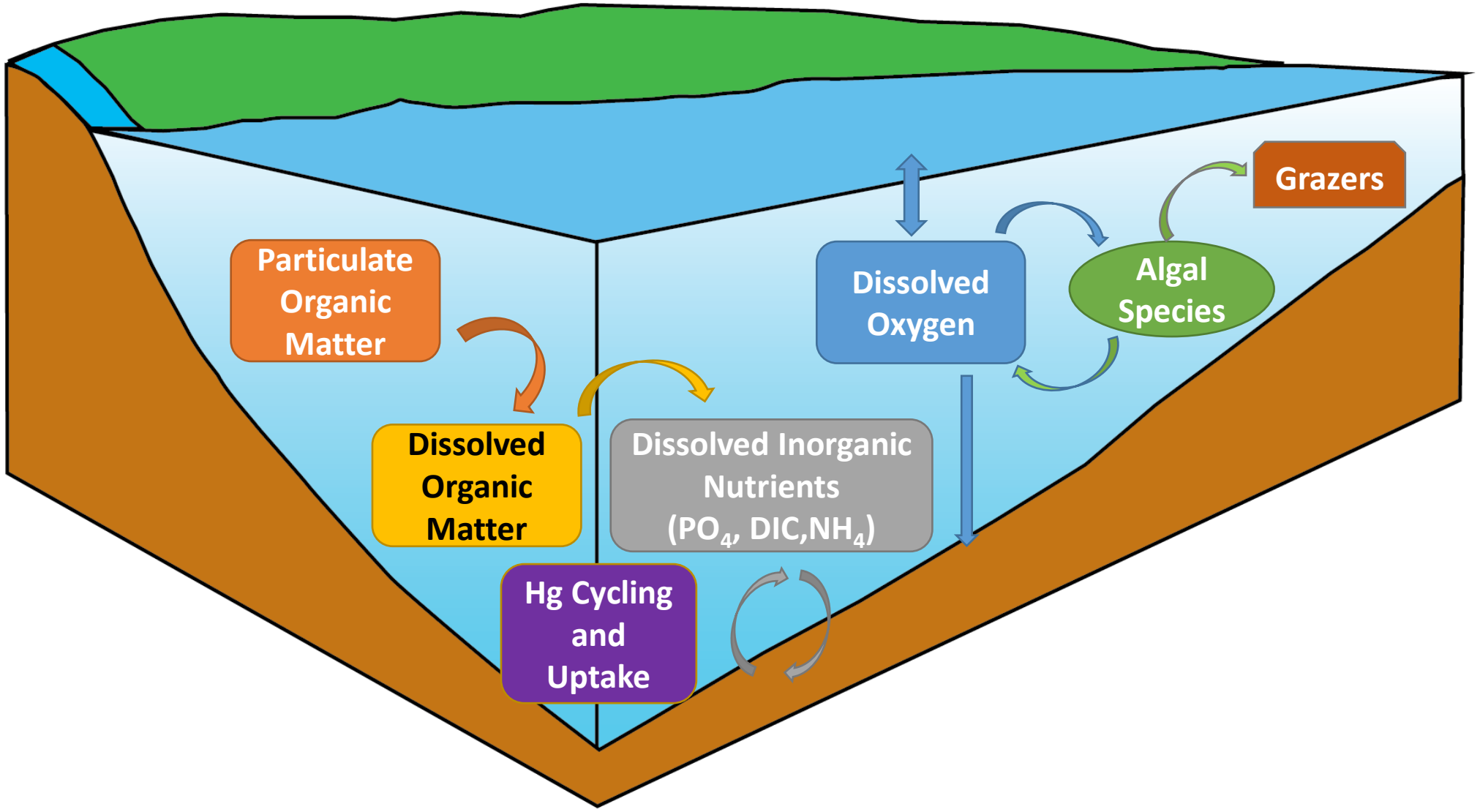
Lake Modeling

- Lake Management
- Climate Change Scenarios
- Restoration Strategies





3-D Hydrodynamic Lake Model



3-D Biogeochemical Lake Model