

Utah Lake Water Quality  
Study  
Science Panel Meeting  
April 25, 2019  
The ether

## Project team updates

Utah Lake Nutrient Criteria  
Development Technical  
Support



# RFP Status and Next Steps

- Input received from independent SP members
- Paleo: minor edits made, no further review
- Bioassay
  - # sites
  - # and timing of deployments
- Sediment
  - Condensed experiments
  - # cores, treatments, replicates

# Literature Review and Framework

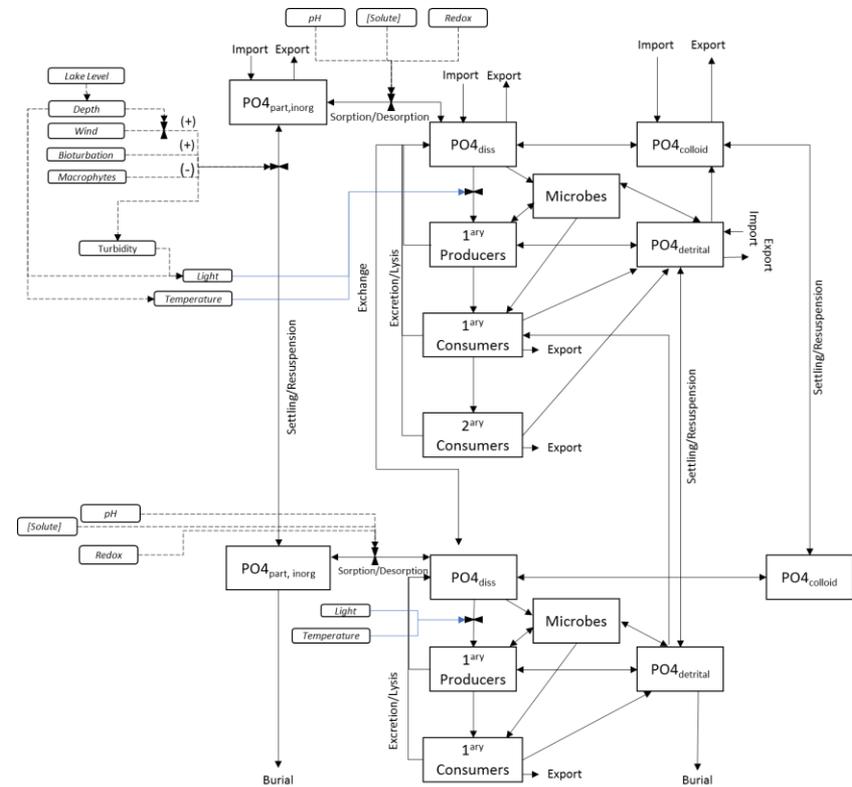
- Literature Review – Revised based on comments received at March Science Panel meeting
- Framework – begin framing

# Analysis Plan

- Low hanging fruit
  - Carp excretion
  - Environmental requirements of diatoms and macrophytes
  - Wind and Turbidity
  - Turbidity and macrophytes
  - Light requirements of macrophytes
- Data required (and still getting data together)
  - Plankton spatial analysis (6 sub-analyses)
  - Turbidity and macrophytes
  - Light extinction
- Still time for any feedback
- Lake Profile app
  - <https://udwq.shinyapps.io/lakeprofiledashboard/>

# Conceptual Model

- Revised N and P models coming
- Incorporate edits from last meeting
- Expand and integrate elements from causal model to ecosystem/cycling model



# Uncertainty Guidance

- Draft uncertainty guidance will be coming soon
- Will be derived from March discussions and feedback
- Straw memo