

Chautauqua Lake And Watershed Management Alliance Meeting

Thursday May 8th, 2025

Alejandro Reyes

Aquatic Ecologist/Project Manager

GEI Consultants



GEI

- Geotechnical Engineers Inc.
- Large multidisciplinary engineering and consulting Firm.
- Based out of Huntington Station, LI.
- Strong ecology and natural resources group.
- Lake management with key focus in northeast.



CLWMA Direct Team



Lake Management Support Team



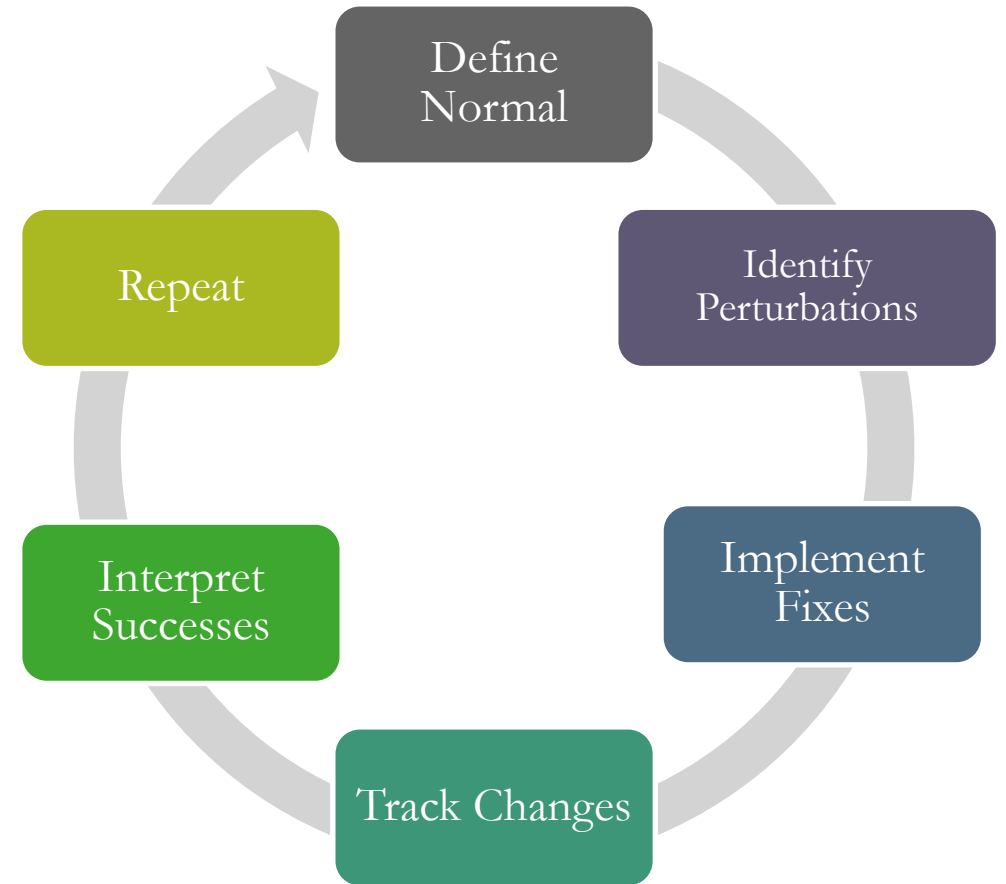
Alejandro Reyes

- Certified Lake Manager, NALMS
- Decade of lake management experience.
- Previously employed at University, Federal, Private, Non-for Profit.
- Worked on over 70 lakes in the US, mostly in the northeast.



Scientific Advisor Role

- Advise the Alliance's Board of Directors on a variety of matters related to the health and management of Chautauqua Lake and the allocation of financial resources for lake management.
- Independent, third party advisement.
- Focused on lake maintenance activities with additional focus on nutrients and HAB's.



April-May 2025 (Tasks)

- Background Data Review
- Researcher Updates
- Spring Lake Reconnaissance
- Member Service Provider Planning Updates
- NYSDEC Region 9 Meeting
- May Member Meeting Discussion

Objectives (Middle)

- ❖ **See how the lake is doing**
- ❖ **See how the work is going**
- ❖ **Has the plan changed? *Why?***
- ❖ **Provide Board a mid-year snapshot**
- ❖ **Provide objective scientific advisement to Board**

Sept-Dec 2025 (Tasks)

- Member Service Provider Work Wrap-ups
- End-year lake work report/data review
- Debrief lake survey teams and researchers
- Board Meeting Update
- 2026 Funding Request Advisement
- Prepare Year-End Summary for Board

Objectives (Start)

- ❖ **Get to know the data**
- ❖ **Get to know the lake**
- ❖ **Get to know our Members**
- ❖ **Get to know the regulators**
- ❖ **What is the plan for 2025?**

June-Aug 2025 (Tasks)

- Summer Lake Reconnaissance
- Member Service Provider Work Updates
- In-season lake work report/data review
- Debriefs with lake survey teams
- Board and Member Meeting Updates

Objectives (End)

- ❖ **Debrief 2025 – how did things go?**
- ❖ **Look ahead to 2026 – lessons learned, improvements?**
- ❖ **Ongoing science advisement**
- ❖ **Help Board review funding**
- ❖ **Help develop strategy for 2026**



Background Research

- Getting familiar with in-lake conditions.
- Cannot review **ALL** reports.
- Selected most recent and relevant information for lake maintenance to start.
- North Carolina State University Chautauqua Lake Monitoring Program Submersed Aquatic Vegetation Survey Results August 2024.
- SUNY Oneonta Biological Field Station Late Summer 2024 Chautauqua Lake Aquatic Macrophyte Survey.
- Rooney's Aquatic Biologists Insect Herbivore Monitoring in Chautauqua Lake 2024.
- Long-Term Management Plan For Submersed Aquatic Vegetation At Chautauqua Lake, NY (2024-2028).
- The Jefferson Project at Chautauqua Lake: 2023 Final Report.
- 2010 Chautauqua Lake Watershed Management Plan.
- CLA 2024 Work Reports.
- CLP Herbicide Contractor Reports/information.



Field Reconnaissance Visits

- Goal to see lake during different times of year.
- Currently early and mid Season visits scheduled.
- Visit high use areas and key management zones.
- Cannot visit all lake areas.



Questions?

