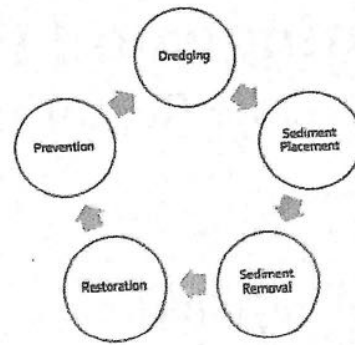


Project Phases and Scope of Work

- Types of Dredging
- Phase Considerations
- Amount of Sediment Removal
- Lake Area Restoration
- Sediment Runoff Prevention
- Removing Contributors (tree trimming)
- Prevention and Planning



Project Considerations

- Nanobubbles and Bioremediation
- Mechanical Dredging
- Portable Sediment Removal System
- SOX Dewatering
- Conventional Bag Dewatering
- Sediment Placement
- Sediment Removal
- Topsoil Sales
- Using Sediment for Terracing
- Restoration and Prevention

Project Options

- Solicited Bids from **Ten** Providers
- **Seven** Responded and **Four** Provided Bids
- Bids Organized and Reviewed
- Submitted Questions and Interviewed Leading Candidates
- Determined Two Lead Candidates
- Conducting Discovery and Finalizing Anticipated Expenses and Scope of Project
- \$230,000 in 1991 dollars would be \$560K in 2025 at 2.57% inflation (dredge only)
- Estimated Expense: \$700,000 to \$900,000 for all Phases

Dredging and Sediment Removal Solution Options

Mechanical Excavation

- Excavator
- Dozer
- Stage sediment in a pile
- Dump truck haul off

Dredging and Sediment Removal Solution Options (cont.)

Portable Sediment Removal System (Board Recommendation)

- Hydraulic boat placed in lake
- Pumps sediment in a pipeline to containment bags
- Bags dewater
- Soil to be repurposed or hauled off

Phases of Restoration

- 2025 – Shoreline Prep
 - Planning, Prep, and Assessment
- 2026 – Phase I Restoration: Sediment Removal and Placement
 - Begin Sediment Removal and Placement for Drying
- 2027 – Phase II Restoration: Sediment Removal (if needed), and Restoration
 - Additional Sediment Removal, Removing Dry Sediment, Placement for Drying of New Sediment
- 2028 – Restoration
 - Terracing, Planting, and Restoration

4 Year Phased Lake Restoration Plan

Year	Phase	Budget	Assessment
2025	Shoreline Prep	\$230k	\$2,000
2026	Dredge	\$230k	\$2,000
2027	Dredge/Restore*	\$230k	\$2,000
2028	Restore	\$230k	\$2,000

* If we successfully complete dredging in 2026, there would be no need for dredging in 2027

The board is requesting your positive vote on the phased-in restoration plan. Please reach out to a Board member if after reviewing you have any questions before voting.