



Little York Lake Preservation Society

Cortland County, NY



Lake Overview

- 110 Acre Lake
- In the flow of the Tioghnioaga River, part of the Upper Susquehanna watershed
- Public boat loach and dam with private owners on 60% of shoreline
- Invaded by zebra mussels ca 2005 and then by VLM ca 2012

Lake Management Activities

- Created lake management plan in 2016-17 with county-wide stakeholder involvement
- Co-sponsored boat steward program, NFWF WIP grants
- Piloted several lake management tools
- Currently working to pilot herbicides

Tools in the Plan

Tool	Pros	Cons	Fit
1. Benthic Barriers	Effective Inexpensive	Tactical only Labor intensive Permits required Weeds only	May be good for quick tactical response to new infestations
2. Hand Harvesting	Effective Immediate results	Labor intensive May be expensive at start Permits required Weeds only	Good for ongoing maintenance of weed problem
3. Drawdown	May reduce weed and other AIS populations May reduce sediment	Uncertain impact Will require approval in order to impact sediment	May be a tool in a maintenance program but unclear
4. Aeration	Reduces sediment May reduce weeds	Program price Uncertain results Ongoing operations (multi-year)	May be useful for maintenance of sediment base
5. Biologicals	Reduces weeds over time	Weeds only Insects are not scalable Corp faces permitting challenges	Probably not useful



Tools in the Plan

Tool	Pros	Cons	Fit
6. Herbicides	Effective	Requires (almost) annual application Expensive Permitting issues	Probably not useful in our situation
7. Dredging	Effective Immediate results Impacts primary objective	Expensive	Recommended primary tool for restoration
8. Boat wash/ Stewards	Changes behaviors Protects on an ongoing basis	Expensive No direct results	Important as an ongoing maintenance tool
9. Shoreline Restoration	Improves overall lake health	Requires individual action	Promote as part of ongoing education
10. Septic Management	Improves overall lake health	Requires individual action	Promote as part of ongoing education

Current Status

- Organizing
 - Set up 501(c)(3)
 - Expanded board
 - Building community/volunteer base
 - NFWF Watershed Grant
 - Shorescaping program plan
 - Lake mapping study
- Restore
 - Boat steward grant
 - Septic education programs
 - Mechanical harvesting
 - Pilot programs
 - Benthic barriers
 - Aeration
 - Hand harvesting
 - Applied for boat decontamination station grant

