

LITTLE TRADE LAKE 2018-2022 GOALS, OBJECTIVES, AND ACTIONS

The following are the goals, objectives, and actions that accompany this plan. They are also in Appendix E.

Goal 1 – Promote and support aquatic plant management strategies that will control the spread of aquatic invasive species without negatively impacting native vegetation in Little Trade Lake.

- 1) Objective 1 – Keep level of EWM to below  acre as indicated by annual late summer point-intercept (PI) aquatic plant survey within the littoral zone fall
 - a) Action – Early season small-scale (<10 acres) or large-scale (>10 acres) herbicide application
 - i) Treated areas must be ≥ 1 acre
 - ii) Combine EWM and CLP treatments if in the same proposed area
 - iii) Herbicide concentration/dispersion monitoring within the treated area and at the outlet of the lake
 - b) Action – Physical Removal of EWM
 - i) Summer littoral visual surveys with removal
 - ii) Property owner removal near docks
 - c) Action – EWM surveys
 - i) Mid to late summer PI aquatic plant surveys within the littoral zone
 - ii) Treatment readiness survey – mid-April to mid-May
 - iii) Pre- and post-treatment aquatic plant survey work
 - (1) Only implemented if proposed treatment areas exceed 10% or 7.2 acres of the littoral zone
- 2) Objective 2 – Minimize negative impacts caused by dense growth CLP
 - a) Action – Early season small-scale herbicide application w/EWM
 - i) Treated areas must be ≥ 1 acres
 - ii) Combine EWM and CLP treatments if in the same proposed area
 - iii) Herbicide concentration/dispersion monitoring within the treated area and at the outlet of the lake
 - b) Action – Early season small or large-scale CLP treatment outside of EWM treatment areas
 - i) Treated areas must be ≥ 3 acres, with a rakehead density of 3
 - ii) Must be in areas with significant nuisance or navigation issues
 - (1) May occur in WDNR designated “sensitive areas”
 - iii) Once implemented, must be completed for a minimum of three years
 - c) Action – CLP surveys
 - i) CLP bed-mapping – June
 - ii) Treatment readiness survey – mid-April to mid-May
 - iii) Pre- and post-treatment aquatic plant survey work
 - (1) Only implemented if proposed treatment areas exceed 10% or 7.2 acres of the littoral zone
 - iv) Fall turion density sampling – 2018, and again after three years of active management
- 3) Objective 3 – Annual Summer Aquatic Plant Surveying
 - a) Action – Summer Littoral Point-Intercept Survey
 - i) All plants, entire littoral zone, point-intercept survey
 - ii) Mid to late summer
 - iii) Year to year comparisons

Goal 2 – Reduce the threat that new AIS introduced to the lake will go undetected in the lake.

- 1) Objective 1 – AIS Monitoring
 - a) Action – Participate in CLMN AIS monitoring
 - b) Action – Implement fall dock and boatlift zebra mussel survey
- 2) Objective 2 – AIS Education

- a) Action – Distribute AIS education and identification materials
- b) Action – Plan and implement AIS identification and physical removal workshops
- 3) Objective 3 – AIS Control
 - a) Action – Implement physical removal or other approved management techniques when necessary

Goal 3 – Promote and support nearshore and riparian best management practices that will improve fish and wildlife habitat, reduce runoff, and minimize nutrient loading into Little Trade Lake.

- 1) Objective 1 – Implement State of Wisconsin Healthy Lakes Initiative
 - a) Action – Complete a Shoreland Habitat Assessment on Little Trade Lake
 - b) Action - Promote Healthy Lakes projects based on the results of the Shoreland Habitat Assessment
 - c) Action – Apply for Healthy Lake grant funding to support projects that improve shoreland habitat and reduce runoff into the lake
 - d) Work with the developers/purchasers of the new lots on the east and northeast shore (if necessary) of the lake to encourage best management practices to maintain lake health
- 2) Objective 2 – Direct attention to water quality issues and how they could be addressed
 - a) Action - Research existing water quality, watershed, and nearshore condition of the lake
 - b) Action – Determine what information is needed to move water quality planning forward
 - c) Action – Consider application for lake management planning grant funding to support initial water quality management data collection and planning.
 - i) Include a feasibility study to evaluate hydraulic and nutrient loading to the lake
 - ii) Complete in-lake monitoring to determine recycling and profile characteristics

Goal 4 – Complete appropriate and on-going tracking, monitoring, and management strategy modification to allow for thorough evaluation of management actions, and determinations that those management actions are on target, on track, on schedule, on budget, and within expected parameters.

- 1) Objective 1 – Continue water quality testing for Secchi, temperature, dissolved oxygen, total phosphorus, and chlorophyll a at the Deep Hole in Little Trade Lake
 - a) Action – Continue involvement in the Citizen Lake Monitoring Network (CLMN)
 - b) Action – Purchase a Temp/DO meter to support water quality testing on Little Trade Lake
 - i) Monitor DO throughout the entire year
- 2) Objective 2 – Complete Annual Project Activity and Assessment Reports
 - a) Action – The RTLIA and their Consultant will prepare end-of-year reports summarizes the management actions taken and how they impacted the lake.
 - b) Action – Review end of year summary reports with the RTLIA and WDNR to determine following year management actions.

Goal 5 – Encourage and engage lake residents and visitors to be active lake stewards.

- 1) Objective 1 – Promulgate behavior change in residents in the following areas: AIS, shoreland development, aquatic vegetation, and responsibility for the lake.
 - a) Action – Encourage lake residents to understand AIS concerns, learn to identify AIS, watch for and identify AIS in the lake, and report what they find and/or remove it
 - b) Action – Encourage boaters to implement appropriate AIS prevention strategies on their watercraft; observe no-wake rules for boats and PWC close to shore and to each other; and be considerate of others on the lake
 - c) Action – Encourage lake residents to let vegetation in the water grow and to plant native plants along their shore
 - d) Action – Encourage lake residents to care for their lake, not just their lawn

- i) Provide education materials, welcome packets, newsletters, information/education displays, Facebook, webpage, meetings and other resources to increase the level of public awareness on the lake
- ii) Establish and develop volunteer lake leadership
 - (1) Attend conferences
 - (2) Recruit new representatives from Little Trade Lake to be active board/committee members
 - (3) Encourage more membership by Little Trade Lake residents in the RTLIA
 - (4) Encourage lake volunteer involvement in “lake leaders” training
- iii) Strive to engage the youth in preserving the future health of the lake
- iv) Highlight examples of good shoreland practices on the lake
- v) Recognize good lake stewards for the efforts they extend

Goal 6 – Implement the Little Trade Lake Management Plan effectively and efficiently with a focus on community and constituent education, information, and involvement.

- 1) Objective 1 - Build and support partnerships.
 - a) Action – Work with WDNR, Burnett County, Town of Trade Lake, local businesses, contractors, and other resources to support management actions
- 2) Objective 2 – Keep lake residents informed about plan activities
 - a) Action – Continue supporting Little Trade Lake involvement in the RTLIA
 - b) Action – Continue reaching out to the lake constituency to inform and seek input for management actions
- 3) Objective 3 - Select cost effective implementation actions
 - a) Action – Work within the budget constraints to establish the best management actions to implement annually
 - b) Action – Apply for State of Wisconsin grant funding to support education, planning, and management implementation