

## Jan 2, 2025 Healthy Lakes Meeting Summary

10 members in attendance, 6 members online, and Dan from SWCD

Discussion was held with Dan Cibulka from Sherburne SWCD regarding the alum feasibility study recommendations.

### *Key takeaways:*

The Stantec Alum Feasibility study recommends an alum treatment on Briggs and carp removal and management on all three lakes

**An alum treatment** is expensive but highly impactful. Results can be seen within 24-48 hours and generally lasts for many years (estimates from 7 to 20 years)

- binds phosphorus at deepest part of lake, and could remove several hundred pounds of phosphorus
- 1 lb of phosphorus leads to 500lbs of algae, so removing phosphorus removes algae
- Alum binds the phosphorus at the bottom of the lake.

An alum treatment on Briggs would cost about 1 million.

- We can apply for a Clean Water grant that would pay for 90% of the cost.
- The TLID could opt to tax for the 10% cost share. With 430 properties, that would be 233.00 per property, which could be spread over more than one year, and not needed until 2026. Stantec may accept a payment plan.
- The TLID and the BLCA board will discuss funding options at their next meetings.

## **Carp Management**

Our carp numbers are 4-5 times above the ecological threshold of 89 lbs of carp per acre. Our lakes have 400-500 lbs per acre. Carp stir up phosphorus which feeds algae. Currently, 64% of the phosphorus in Julia is coming from Carp.

Dan presented the following proposal from Carp Solutions:

2025 activities: \$52,208

- Four rounds of netting, some volunteer actions to reduce cost.
- PIT tag installation on 240 carp to assist with future movement tracking
- Age analysis for 120 carp (determine spawning history)
- Mileage, permitting, data analysis, reporting

2026 activities: \$15,668

- Migration tracking (PIT antenna installation and monitoring, 2 sites)
- Mileage, permitting, data analysis and reporting
- Total in Carp Solutions proposal: \$67,876

The members in attendance were in support of pursuing funding for this proposal. Dan Cibulka asked us to let him know by mid-February if we would like to have Watershed Based Implementation Funds set aside for this effort. Those funds would likely cover at least 75% of the cost. The TLID and the BLCA board will discuss the 25% cost share at their upcoming meetings.

We discussed multiple ways of getting this information out to more people.

A Final vote on [2025 goals for Healthy Lakes](#) was taken.

The 2024 water report was tabled until the February 6th meeting.