



MANITOWOC COUNTY LAKES ASSOCIATION

“The Manitowoc County Lakes Association will protect and enhance the quality of area lakes and watersheds for the benefit of all.”

GENERAL MEMBERSHIP MEETING

6-30-2022 – 6:30PM

Newton Town Hall

Carstens Lake Road

MEETING MINUTES:

Called to order by Jerry Corfman, President

Carstens Lake Filtration Project, Jim Kettler LNRP, Director of Project – Background of project

- Jerry Corfman pointed out that this project is different than the Elkhart Lake project.
- Most phosphorous comes from 3 or 4 rain events and snow melt.
- Explained the background of the project.
- Process started in 2016.
- Management Plan in 2017.
- UW Stevens Point worked on harvesting phosphorous ideas.
- Pine Creek and Centerville Creek have been monitored for the past few years.
- Goal is to reduce the phosphorous going into the lake by 80 percent.

Carstens Lake Filtration Project, Sarah Majerus, Stantec — Goals

- Goal is to remove TSS and phosphorous from water coming into the lake.
- 1st stage is research project.
- Eco Toxicity done.

Carstens Lake Filtration Project, Christan Burnson, Civil Engineer, Stantec — Preliminary Design

- Explained and showed preliminary drawings of the design.
- Divert water from north side of road to two sediment ponds.
- Construct one or two absorption structures. One at the exit of each sediment pond.
- If only one absorption structure is constructed it would be at the exit of the last pond.
- After water flows through sedimentation ponds and absorption structures it will go back into Pine Creek with less phosphorous.
- May have to have an emergency overflow, over the top of the slag bags in the absorption structures.

(continued)

2021-2022 Officers:

Int. President: Jerry Corfman

Int. Vice President: Maria Lynch

Treasurer: Marcia Salm

Secretary: Scott Umland

Press Secretary: Hanna Edelglass

Past Presidents:

Tom Ward, Gene Weyer,
John S. Durbrow

Lake Directors

Bullhead Lake
Ron Gerrits

Carstens Lake
Brian Robley

Cedar Lake
Josh Knuth
alts: Phil Knauf, Richard Jens

English Lake
vacant

Gass Lake
Richard Blashka

Harpts and Tuma Lakes
Dan Dufek

Hartlaub Lake
Gene Weyer

Horseshoe Lake
Robert Christian

Lake Michigan
John S. Durbrow

Long Lake
Chuck Kiehn

Pigeon Lake
Jerry Gospodarek

Silver Lake
Jaret Paltzer

Spring Lake
vacant

Wilke Lake
Tom Payne

Carstens Lake Filtration Project, Sarah Majerus, Stantec — Slag research update

- Mesocosm experiments are continuing to determine the amount of phosphorous slag can remove.
- Under constant exposure the slag bags can absorb phosphorous for 30 days.
- The slag in this project will not be under constant exposure.
- Depending on rain and snow events the bags may only have to be changed once per year. This will be determined during the 2 year field study. Best would be to change slag bags in fall of the year.
- Bags may weigh 30 pounds when wet.
- This project is completely different than other projects.
- If the project doesn't do what is supposed to, the slag bags are removed and the two sedimentation ponds stay.
- End use of the slag is part of the research process. The hope is that it can be applied to fields as fertilizer.
- DNR has reviewed reports and have feel is should be good for field application.
- Second round of testing should confirm this.
- Slag comes from blast furnaces in foundries.
- Slag is tested before used in the filtration process.
- There may be a total of 48 to 64 slag bags in the two absorption structure.
- Optimistic that slag will be a low cost tool to remove phosphorous.

Carstens Lake Filtration Project, Sarah Majerus, Stantec — Project Schedule

- 2022 Trial mesocosm experiment, UWSP.
- 2022 – 2023 Construction, revegetation and restoration of project site.
- 2023 – 2024 Field monitoring, USWP
- 2024 - ? Slag replacement, invasive species control, monitoring.
- The hope is that 2024 - ? Will be done by volunteers.

General Business Meeting

- **Secretaries Report**
 - Reading of the last meeting minutes waived. They are on the MCLA website.
- **Treasures Report**
 - \$7,656.66 balance in general account
 - \$19,781.15 balance in grant account
 - 69 members, 12 paid associate members & \$350 misc. donations
 - \$5,000 MCLA money to come out of the grant account to help with the first 2 years field monitoring.
 - Gene Weyers made the motion to accept the reports. Second by Dick Jens.
- **Newsletter**
 - MCLA and Dave Pozorski are still looking for lake related articles. Please get them submitted soon. MCLA would like to publish the newsletter by the end of July.
- **Annual Banquet**
 - Maria Lynch will work on behalf of Little Pigeon as a sponsor.
 - Looking of a co-sponsor. Contact person at Pigeon will be out of town
 - Maria has talked to Autumn Ridge regarding dates and possible food.
 - Maria will reach out to Cedar Lake for help as co-sponsor.
 - Annual banquet is commonly on a Friday evening.
- Gene Weyers is cutting way back on the lakes he has been testing for water quality. Looking for someone to help with Shoe Lake. Manitowoc County Soil and Water may have the monitoring graphs.
- Next meeting planned for 9/1/2022. Topic will be shoreline zoning. Venue to be determined.

(continued)

LAKE REPORTS:

Bullhead Lake: No Report

Carsten's Lake: Phosphorous Project

Cedar Lake:

- The Lake is kind of green
- Treated an approximate 5 acre area for milfoil just recent
- Milfoil treatment for last years was successful and the Lake is happy with the results.
- Clean boat, clean water program is working good for Cedar
- DNR Fisheries did a lake survey in 2022 with fyke nets and electro fishing
- Wake surfing concerns still and issue

English Lake: No Report

Gass Lake:

- High fishing pressure for the size of the lake
- Lake is green
- Could use some more shore fishing piers.

Harpt Lake: No Report

Hartlaub Lake: No Report

Horseshoe Lake:

- Boat landing silting in is a continued issue. There are no good ideas or answers to the problem.
- No place to put sediment
- Recently completed a fish stick project
- Manitowoc County Fish and Game are planning to plant perch

Kasbaum Lake: No Report

Lake Michigan: No Report

Long Lake:

- Lake is getting green
- DNR Fisheries did a lake survey in 2022 with fyke nets and electro fishing
- Crappies are larger this year
- Township has an ordinance on weights and ballasts
- Looking into limiting parking for vehicles and trailers

Pigeon Lake: No Report

Little Pigeon:

- Private 14 acre lake
- Very little activity

Shoe Lake: No Report

Silver Lake: No Report

Spring Lake: No Report

Sy Lake: No Report

Tuma Lake: No Report

Twin Lake: No Report

Weyers Lake: No Report

Wilke Lake:

- Morning kayaker ladies have been picking up the aluminum cans in the lake
- Lake Resident has noticed that the number of aluminum cans are down
- One of the morning kayaker ladies had a northern jump into her kayak
- Water clarity has been good
- Conditions have been windy

Motion was made and seconded to adjourn the meeting.

Respectfully Submitted.
Scott Umland, MCLA Secretary