

DUCK LAKE
LAKE IMPROVEMENT BOARD
INFORMATIONAL MEETING MINUTES

July 11th, 2022

An Information meeting of the Duck Lake, Lake Improvement Board was held at the Crystal Community Center, 217 West Park Street, Crystal, Michigan on the 12th day of July 2021.

The meeting was called to order by Chairman Dick Walthorn at 6:00 p.m.

PRESENT: Dick Walthorn, Chairman
Crystal Township Representative

David Wight, Secretary & Treasurer
Abutting Property Owners Representative

Chris Johnston, Vice Chairman
Montcalm County Board of Commissioners

Phillip Foster, Member
Crystal Township Representative

ABSENT: Todd Sattler, Montcalm County Drain Commissioner

Dick welcomed the new board member Phillip Foster. Phillip has been appointed to the board to replace Tony Spalsbury who recently resigned.

APPROVAL OF AGENDA

Chris moved to approve the agenda, seconded by David.
All members present voted aye, motion carried.

TREASURER REPORT

David presented the treasurer's report. The report shows a closing balance of \$90,721.08.
Motioned by Chris to accept the Treasurer's report as presented was seconded by David.
All members present voted aye, motion carried

CORRESPONDENCE

David reported that we have received to-date 3 invoices from S & R Environmental for herbicide treatments to the lake for a total of \$23,532.

WEED TREATMENT REVIEW AND PROGRAM DISCUSSION

David presented the results of the Spring Water Sampling conducted by PLM and compared them to the sampling conducted in 2014. The comparison showed that for the samples taken in the center of the lake, the Phosphorus has improved from .030 mg/L to .016 mg/L, and Nitrates have improved from .650 mg/L to .610 mg/L.

For the samples taken at the inlet the Phosphorus has improved from .0155 mg/L to .009 mg/L, however the Nitrates had gotten much worse going from .710 mg/L to 2.500 mg/L. It

was noted that the sample for this year may have been taken right after we had received significant rain and the inlet may have seen increased runoff from farming fertilizers. The fall water sample will provide additional data on the quality of the water entering from the lake inlet.

David also presented the results of the AVAS Survey conducted by PLM and noted that the results of the survey will be compared to this fall's survey to evaluate the effectiveness of this year's weed treatment program.

Phil reported that he felt the lake was in good condition compared to last year, but there was still a large amount of Starry Stonewort behind the island, and that S&R would be out later this week to do another application of herbicides.

PUBLIC COMMENT

There was a question about whether we were going to hold a hearing to increase the assessment to cover additional expenses going forward. It was explained that we are currently using some of the fund balance to cover this year's costs, and that we are going to wait to see what the total expenditures are this year before making the decision on whether to move forward with a hearing to revise the assessment.

A question was asked about whether EGLE was moving forward with their plans to dredge out the boat launch. Tony reported that the individual at EGLE had submitted the application to have it done but he did not know when they will do it.

With the success of treating the native weeds there was some concern expressed that the pilings are now more exposed to being hit by boaters. We will make another effort to contact someone at EGLE to obtain help in getting them removed.

Comments were made as to the severity of the algae in the lake and its early appearance this past spring. It was felt that it was brought on by the early warm weather and the applicator did not treat it early enough.

It was also noted that the area behind the island is covered by a large area of Starry Stonewort and will need special attention/treatments to keep it from getting worse.

The moderate success in treating the native weeds was noted. David then presented a series of photos that compared the change in the weeds in the treated area from 2021 to this year and a video of the weeds in that area taken this past weekend. The results are a significant reduction in native pond weeds with only a few dead weeds still standing up.

David also noted the expansion of the Robbins Pondweed along the southern side of the existing mud flats that we may want to have PLM harvest.

It was commented that there are small spots of Lilly pads showing up in the middle of the open water and that Water Shield had continued to spread in several areas. These issues will need to be addressed to limit their expansion into the boating areas.

ADJOURN

Chris motioned to adjourn, David seconded, all voted aye. Meeting adjourned.

State of Michigan)
)
) ss:
County of Montcalm)

I hereby certify that the foregoing is a true and complete copy of the minutes of a meeting of the Duck Lake Improvement Board, Montcalm County, Michigan held on July 11th, 2022 and that said minutes are on file at the Crystal Township Office and are available to the public.

I further certify that notice of the meeting was posted at least 18 hours before the meeting at the Crystal Township Office, which is the principal office of the Duck Lake, Lake Improvement Board.

David Wight, Secretary/Treasurer

Dated: July 14, 2022

DRAFT