

AGENDA

WALLED LAKE LAKE IMPROVEMENT BOARD MEETING

June 11, 2019
2:00 PM

Novi Civic Center
45175 Ten Mile Road
Novi, Michigan 48375

- I. Call Meeting to Order
- II. Roll Call
- III. Public Comment
- IV. Approval of Minutes of February 12, 2019 meeting
- V. Treasurer's Report
- VI. BioBase Survey & Treatment Update
- VII. Chairman Report regarding Michigan Lake and Stream Associations Conference
- VIII. Public Comment
- IX. Other Business
 - a. New laws about boating on inland lakes
 - b. Lakeshore and Pavilion Shore Parks erosion projects update
- X. Adjournment

Please visit www.cityofnovi.org/lakeboard for additional information

**WALLED LAKE
LAKE IMPROVEMENT BOARD
MEETING MINUTES
February 12, 2019**

I. Call Meeting to Order

The meeting of the Lake Improvement Board for Walled Lake was held in the Council Conference Room at the Novi Civic Center at 45175 10 Mile Road on February 12, 2019. The meeting was called to order by David Galloway, Chairperson, at 2:02 P.M.

II. Roll Call

Present:

Casey Ambrose, City of Walled Lake Representative
David Galloway, Riparian Owner Representative (Chairperson)
Gwen Markham, Oakland County Board of Commissioners' Representative
Megan Mikus, City of Novi Representative (Secretary-Treasurer)
Karen Warren, Oakland County Water Resource Commissioner's Representative
Member Warren arrived at 2:11 PM.

Also, Present:

Jeff Muck, City of Novi Director of Parks, Recreation and Cultural Services
Mark Roberts, Attorney, Secrest Wardle

III. Public comment

One Walled Lake resident was present, Gabriel Costanzo of 815 Bluffton Street, but he had no comments at that time.

IV. Approval of Minutes of September 12, 2018 meeting

Moved by Ambrose, Supported by Markham; CARRIED 4-0: To approve the Minutes of September 12, 2018 meeting.

V. Treasurer's Reports

Secretary-Treasurer Mikus presented a budget amendment was needed to increase the administrative and legal line item \$137 to cover all 2018 administrative and legal costs. There is one outstanding invoice for legal services through 9/30/18, which had not been paid due to insufficient funds in the 2018 budget of the administrative & legal line item.

Moved by Ambrose, Supported by Markham; CARRIED 5-0: To increase the 2018 budget for the administrative & legal line item to \$1137.

Secretary-Treasurer Mikus presented the 2018 Q3 and Q4 reports, and the 2018 annual report. The balance on hand at the year's end was \$142,732.26.

Moved by Ambrose, Supported by Galloway; CARRIED 5-0: To approve the third 2018 Treasurer's report, the fourth quarter 2018 Treasurer's report; 2018 Annual Report.

Chairperson Galloway said he would like the Board to encourage more involvement from residents by supporting training for water quality and invasive species monitoring and possibly addressing milfoil in each municipality's ordinance. Member Markham

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suggested looking into the programs offered by the Oakland County Healthy Lakes Initiative and recommended working the neighboring homeowner's associations to encourage participation.

VI. 2018 End of the Year and Water Quality Report from Savin Lake Services
Chairperson Galloway present the 2018 End of the Year and Water Quality Report from Savin Lake Services. Member Markham questioned why the conductivity grade was F, while all other tests had results in As or Bs. There was discussion by the members of possible contributions to the high conductivity, such as the close proximity of the roads around the lake can contribute to debris running off into the lake, and salt applications by area winter operations and residents can lead to salt runoff. Member Ambrose suggested sending a letter to notify municipalities of the high conductivity of Walled Lake.

Moved by Ambrose, Supported by Markham; CARRIED 5-0: To send a letter to the City of Novi and the City of Walled Lake regarding the high conductivity of Walled Lake.

VII. Discussion of Geese Management
Chairperson Galloway discussed the need to address the geese issue around the lake as it can result to exposure to E. coli. Member Warren asked if there was budget request for this. Chairperson Galloway said there is none at this time. Jeff Muck, City of Novi Director of Parks, Recreational and Cultural Services, said the City of Novi had worked with the DNR (Michigan Department of Natural Resources) to implement preventative measures but no permanent fixes had been found.

No action was taken.

VII. Discussion of 2019 Treatment
Chairperson Galloway presented the 2019 treatments recommended by Savin Lake Services. He said there will be a better picture of necessary treatment after the annual spring vegetation survey in late May/ early June, dependent on weather.

No action was taken.

IX. Discussion of 2019 Budget
Secretary-Treasurer Mikus presented the proposed 2019 budget. She explained the budget for the "Other" line item was based on previous years' miscellaneous expenses, such as the costs associated for Board members to attend educational seminars. She pointed out, for example, the Board had approved the Chairperson to attend the annual Michigan Lake & Stream Conference in the previous years.

Moved by Mikus, Supported by Ambrose; CARRIED 5-0: To approve the 2019 budget as proposed.

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X. Public comment

Gabriel Costanzo of 815 Bluffton Street in Walled Lake commented that as an outdoorsmen he had concern the lake was being over treated. He thought the fish had not rebounded since the fish kill from several years ago, and the weeds are killed too deep. Also, Gabriel Costanzo had questions regarding the public notification of treatment. Chairperson Galloway clarified the process required by the contractor to post. Mr. Costanzo also asked questions regarding the sunset of the Board. Attorney Roberts explained the Board can only be dissolved by Resolution, which required a petition by both municipalities.

ADJOURNMENT: There being was no further business to come before the Lake Improvement Board; the meeting was adjourned at 3:27 PM.

The Board next meeting was tentatively scheduled for June 11, 2019 at 2:00 PM

Megan Mikus, Secretary-Treasurer

**WALLED LAKE IMPROVEMENT BOARD
 QUARTERLY TREASURER'S REPORT
 March 31, 2019**

BALANCE ON HAND:	12/31/18	\$142,732.26
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INCOME	<u>Quarter</u>	<u>YTD</u>	<u>Budget</u>	<u>Variance</u>	<u>Notes</u>
City of Novi Assessments	\$ 38,153.65	\$ 38,153.65	\$42,014.79	\$ (3,861.14)	1
City of Walled Lake Assessments	\$ -	\$ -	\$25,421.00	\$ (25,421.00)	
TOTAL INCOME	\$ 38,153.65	\$ 38,153.65	\$ 67,435.79	\$ (29,282.14)	

EXPENSES	<u>Quarter</u>	<u>YTD</u>	<u>Budget</u>	<u>Variance</u>
Harvesting and Herbicide Treatments	\$ -	\$ -	\$85,000.00	\$ (85,000.00)
Lake Management (surveys, studies, etc.)	\$ -	\$ -	\$5,000.00	\$ (5,000.00)
Permit Fee	\$ -	\$ -	\$1,500.00	\$ (1,500.00)
Administrative & Legal	\$ 463.80	\$ 463.80	\$1,500.00	\$ (1,036.20)
Other	\$ -	\$ -	\$1,000.00	\$ (1,000.00)
TOTAL EXPENSES	\$ 463.80	\$ 463.80	\$94,000.00	\$ (93,536.20)

BALANCE ON HAND:	03/31/19	\$180,422.11
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Notes

1 Novi payment includes assessments paid to date to Novi

EXPENSE DETAIL

<u>Description</u>	<u>Invoice No.</u>	<u>Vendor</u>	<u>Amount</u>
Legal Fees through 2/28/19	1356580	Secretst Wardle	\$ 463.80

Submitted by _____
 Megan Mikus, Secretary/Treasurer
 Walled Lake Improvement Board



3088 Hottis Rd. Hale, MI 48739 Hale: 989.728.2200 Clare: 989.386.0600 Fax: 989.516.5900

February 5, 2019

Walled Lake Improvement Board
Attn: David Galloway/ Megan Mikkus
c/o City of Novi Clerk's Office
45175 W Ten Mile Road
Novi, MI 48375

2019 Recommendations and cost analysis

Permit fees, surveys, and studies:

2019 DEQ permit fee = \$1,500.00
2019 Water Quality study at (3) sites in spring and fall = \$1,325.00
Annual spring vegetation visual survey = \$ 475.00
Annual fall vegetation visual survey = \$475.00
Annual treatment/services report including maps and 2020 recommendations = \$775.00

Total recommendations costs for permit fees, surveys, and studies/reports = \$4,550.00

In late May to early June Savin Lake Services will plan a treatment for Curly Leaf pondweed and any remaining Eurasian Watermilfoil after the annual Spring vegetation survey is completed. We anticipate this treatment to be around 70 – 80 acres of Curly Leaf pondweed (based on treatment records in the past years) with contact herbicides. Also, during this treatment, we anticipate doing approximately 10-15 acres of systemic control of Eurasian Watermilfoil. If algal blooms are present during the spring survey, we will also treat them during the first application where they are present

70 – 80 acres of contact herbicides @ \$258.86/acre = \$18,120.20 - \$20,708.80
10 – 15 acres of systemic Milfoil control @ \$645.71/acre = \$6,457.10 - \$9,685.65
70 – 80 acres of algae control @ \$57.97/ acre = \$3,478.20 - \$4,057.90

Total projected cost range for first treatment in 2019 = \$28,055.50 - \$34,452.35

Then in late June – early July we recommend treating the entire shoreline with algaecides for filamentous algae if necessary. After treating large amounts of vegetation as they are dying off they can produce a lot of algal blooms that usually float into the shoreline areas. The water temperatures are rapidly warming during this time and can also be a contributing factor in the large amount of algal

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blooms. Also, during this timeframe, we would recommend providing some relief and completing a treatment for the riparian owners in the shoreline area of the lake for nuisance native weeds in and around their docks. During this treatment we will evaluate the Starry Stonewort and treat it also if needed.

80 acres of shoreline algae control @ \$57.97/acre = \$4,637.60
30 - 40 acres of contact herbicides @ \$258.86/ acre = \$7,765.80 - \$10,354.40
15 -20 acres of Starry Stonewort treatment @ \$300.50/acre = \$4,507.50 - \$ 6,010.00

Total projected cost range for second treatment = \$16,910.90 – \$21,002.00

In August, we will complete another treatment for Starry Stonewort if needed and complete a touch up treatment for nuisance native vegetation in shore line areas in and around docks again.

15 - 20 acres of Starry Stonewort treatment @ \$300.50/acre = \$4,507.50 - \$ 6,010.00
15 - 20 acres of contact herbicides @ \$258.86/acre = \$3,882.90 - \$5,177.20

Total projected cost range for August treatment = \$8,390.40 - \$11,187.20

If needed Savin Lake Services would like to conduct another late fall systemic treatment for Eurasian Watermilfoil. This treatment may not be necessary with the previous systemic Milfoil treatment being completed but for budgetary purposes I think it's a good idea to plan for it just in case.

15 - 20 acres of systemic Milfoil control @ \$645.71/acre = \$9,685.65 - \$12,914.20

Total projected cost range for 2018 = \$67,592.45 - \$84,105.75

Please keep in mind that these are approximate numbers based on treatment record in the past and survey evaluations completed this year. We expect the total overall cost to fall within these parameters. There are many variables in a lakes ecosystem that can change from year to year that make it hard to give an exact number. These figures should get us real close and should not exceed the higher end of the scale. Savin Lake Services will only recommend and treat what we feel is needed to improve the overall health of the lake, and make it more desirable for use by the riparian owners. Our goal is to keep the non-native and exotic plant communities in check throughout the entire lake and treat nuisance natives in and around riparian owner's docks and swim areas to make those areas more desirable for use.

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Savin Lake Services appreciates your business and we look forward to working with the Walled Lake Improvement Board to continuously improve the overall health of Walled Lake in the future. If you have any questions, comments, or require any additional information please feel free to contact us.

Sincerely,

Paul Barber – Operations Manager

Savin Lake Services Inc.

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Hale, Michigan 48739

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