

AGENDA

WALLED LAKE LAKE IMPROVEMENT BOARD MEETING

November 14, 2017
10:00 AM

Novi Civic Center
45175 Ten Mile Road

- I. Call Meeting to Order
- II. Roll Call
- III. Public Comment
- IV. Approval of Minutes of September 19, 2017 meeting
- V. Treasurer's Report
- VI. Discussion 2017 Treatment and 2018 Budget
- VII. Public Comment
- VIII. Other Business
- IX. Adjournment

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

WALLED LAKE
LAKE IMPROVEMENT BOARD
MEETING MINUTES
September 19, 2017

The meeting of the Lake Improvement Board for Walled Lake was held in the Mayor's Conference Room at the Novi Civic Center at 45175 10 Mile Road on September 19, 2017. The meeting was called to order by Dave Galloway, Chairperson, at 2:35 p.m.

Present:

Casey Ambrose, City of Walled Lake Representative
Hugh Crawford, Oakland County Board of Commissioners's Representative
Dave Galloway, Riparian Owner Representative (Chairperson)
Megan Mikus, City of Novi Representative (Secretary-Treasurer)
Karen Warren, Oakland County Water Resource Commissioner's Representative

Also Present:

Mark Roberts (Attorney, Secrest Wardle)
Cortney Hanson, City of Novi City Clerk

Ambrose arrived after agenda item III (2:43 PM).
Warren arrived after agenda item IV (2:45 PM).

Chairperson Galloway opened the meeting to public comment. Three residents were present. Two Walled Lake residents- Gabriel Costanzo of 815 Bluffton St. and Edwin Dodson of 141 Leeds St.- commented they are interested in the Lake Board's activities as they have concerns with the lake conditions, specifically the weeds, and how the treatments are affecting the lake's ecosystem.

Moved by Crawford, Supported by Mikus; CARRIED 4-0 (Warren- Absent): To approve the Minutes of April 11, 2017 meeting.

Secretary-Treasurer Mikus presented the Treasurer's Reports for the second quarter of 2017. The balance on hand as of June 30, 2017 is \$230,064.18.

The Q2 2017 Treasurer's report was accepted by the Board.

Mikus explained that the statute requires the Board to certify delinquent assessments each year in September. We received a report from City of Novi, but did not receive one from Walled Lake.

Moved by Crawford, Supported by Ambrose; CARRIED UNANIMOUSLY: To certify delinquent assessments received from the City of Novi.

Agenda VII

Mikus presented Novi Resident Kathy Kennedy of 2023 West Lake Drive had contacted her regarding possibility of treating of lily pads and weeds along the shoreline in her subdivision- Bentley. Galloway commented that currently there are not enough weeds to justify the risk and if treatment is to be done it should be considered the following year.

Agenda Item VIII

Galloway presented a summary of treatment activity from Savin Lake. A water quality and visual survey was completed in May. As a BioBase survey was not needed this May, \$3,100 has been credited to the Board. Three herbicide treatments have taken place this summer. It was reported

by Savin Lake the lake looks the best it has since treatment began. A systematic herbicide treatment for Eurasian watermilfoil is planned for this fall. Currently, the Board is below budget for treatments this year.

Agenda Item IX

Galloway requested the Board endorse Michigan Waterfront Alliance's White Paper regarding the strategies to address the impact, spread, and control of Aquatic Invasive Species. The purpose of the endorsement is to help the Michigan Waterfront Alliance and its lobbyist to encourage action by the Michigan Legislature, the Michigan Waterways Commission, the DNR and Governor.

Moved by Crawford, Supported by Ambrose; CARRIED UNANIMOUSLY: Endorse Michigan Waterfront Alliance's White Paper regarding the strategies to address the impact, spread and control of Aquatic Invasive Species.

Agenda Item X

Galloway reported his findings from the Michigan Lake and Streams Association Conference. He said starry stonewort is a pressing issue throughout the state and nothing practical has been found to take care of it. It was recommended that portable boat cleaning devices be utilized at fishing tournaments to stop the spread of invasive species.

Agenda Item XI

The Board approved in the previous meeting of April 11, 2017 to provide financial support to Galloway to attend the Michigan Lakes and Streams Association Conference in Thompsonville, Michigan on April 21 and 22. The Board acknowledged that the previous approval was for a maximum of \$700; however, as this was an estimate, the Board would support the total reimbursement amount of \$764.43 for mileage, hotel, and conference fee.

Moved by Crawford, Supported by Ambrose; CARRIED UNANIMOUSLY: To reimburse of Chairman Galloway \$764.43 for conference fee, housing and mileage to attend the Michigan Lakes Conference in April 21 and April 22.

Chairperson Galloway opened the meeting to public comment.

A Novi resident Jerry Ross of 1911 West Lake Drive commented at first he did not support the treatments, but he is pleased with the fishing and habitat improvements. Walled Lake resident Edwin Dodson of 141 Leeds St. said he was glad he came to the meeting as he was educated about the benefits of the treatments.

Other business

Galloway said he would like to see clarification of seawall ordinance from the City of Novi. Ambrose reported the City of Walled Lake is working on a comprehensive inspection of road runoff.

ADJOURNMENT: There being no further business to come before the Lake Improvement Board; the meeting was adjourned at 3:42 p.m.

The Board next meeting was tentatively scheduled for November 14, 2017 at 10:00 AM.

Megan Mikus, Secretary-Treasurer

**WALLED LAKE IMPROVEMENT BOARD
QUARTERLY TREASURER'S REPORT**

September 30, 2017

BALANCE ON HAND:	07/01/17	\$230,064.18
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INCOME	<u>Quarter</u>	<u>YTD</u>	<u>Budget</u>	<u>Variance</u>	<u>Notes</u>
Assessments (City of Novi)	\$ 257.78	\$ 43,164.08	\$42,014.79	\$1,149.29	1
Assessments (City of Walled Lake)	\$ -	\$ 25,421.39	\$25,421.00	\$0.39	2
TOTAL INCOME	\$ 257.78	\$ 68,585.47	\$ 67,435.79	\$1,149.68	

EXPENSES					
Harvesting and Herbicide Treatments	\$ 27,701.88	\$ 41,216.88	\$80,000.00	(\$38,783.12)	
Lake Management Consultant	\$ -	\$ -	\$5,000.00	(\$5,000.00)	
Permit Fee	\$ -	\$ -	\$2,000.00	(\$2,000.00)	
Administrative & Legal	\$ 816.43	\$ 816.43	\$1,050.00	(\$233.57)	
TOTAL EXPENSES	\$ 28,518.31	\$ 42,033.31	\$ 88,050.00	(\$46,016.69)	

BALANCE ON HAND:	09/30/17	\$201,803.65
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Notes

- 1 Novi payment includes assessments paid to date to Novi
- 2 Walled Lake has paid the assessment in full

EXPENSE DETAIL

<u>Description</u>	<u>Invoice No.</u>	<u>Vendor</u>	<u>Amount</u>
Herbicide Treatment	3711	Savin Lake Services	\$ 16,133.13
Herbicide Treatment	3750	Savin Lake Services	\$ 11,568.75
Attorney Fee	1316501	Secrest Wardle	\$ 52.00
Conference Reimbursement	20170929-123034	David Galloway	\$ 764.43

Submitted by _____

Megan Mikus, Secretary/Treasurer
Walled Lake Improvement Board

**WALLED LAKE IMPROVEMENT BOARD
PROPOSED 2018 ANNUAL BUDGET**

Description

Proposed Annual Budget

Income

City of Novi Assessments	\$42,014.79
City of Walled Lake Assessments	\$25,421.00
Use of Surplus Funds	\$20,064.21
TOTAL INCOME	\$87,500.00


Expenses

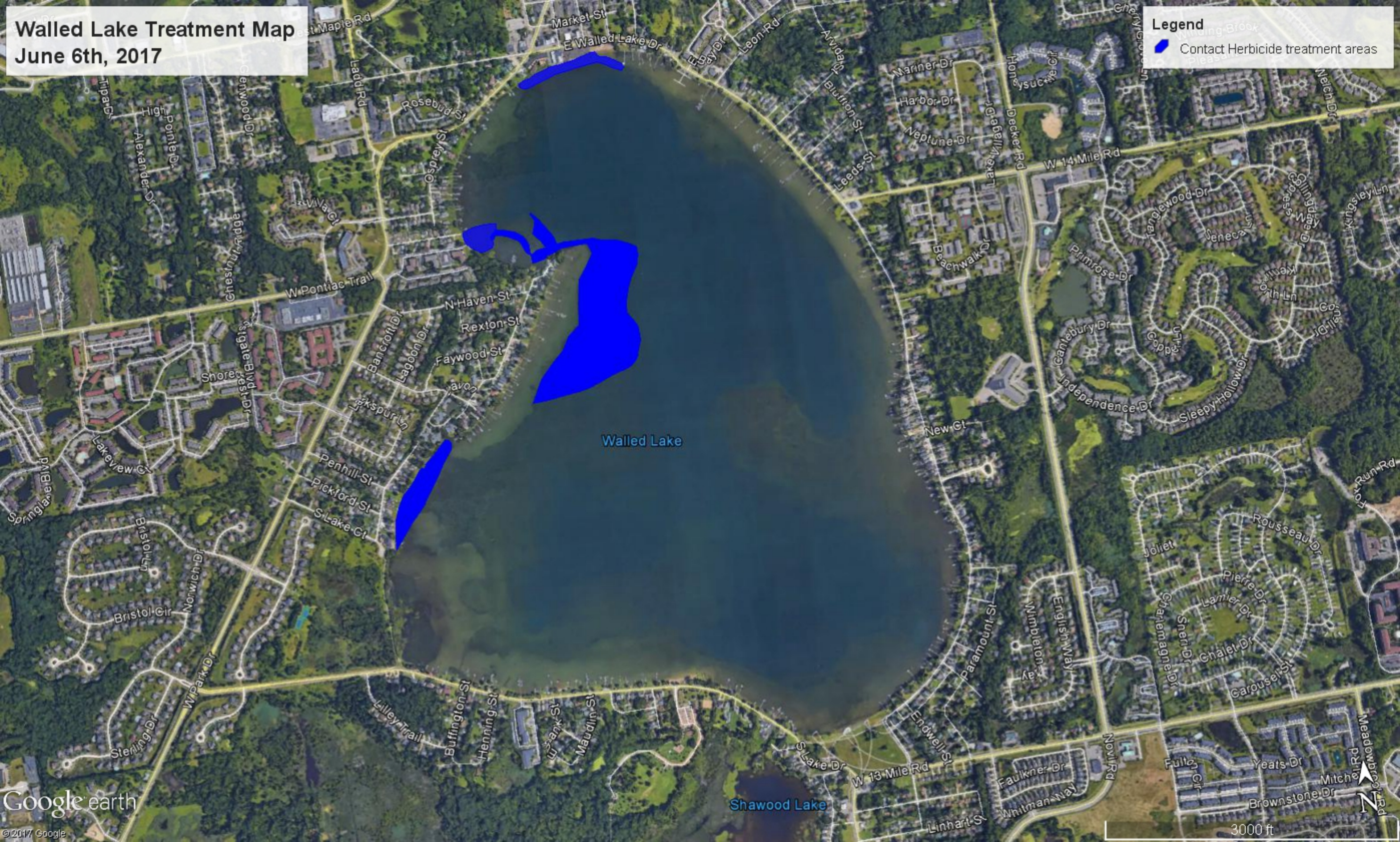
Harvesting and Herbicide Treatments, including BioBase Survey	\$80,000.00
Lake Management Consultant	\$5,000.00
Permit Fee	\$1,500.00
Administrative & Legal	\$1,000.00
TOTAL EXPENSES	\$87,500.00

Walled Lake Treatment Map

June 6th, 2017

Legend

-  Contact Herbicide treatment areas

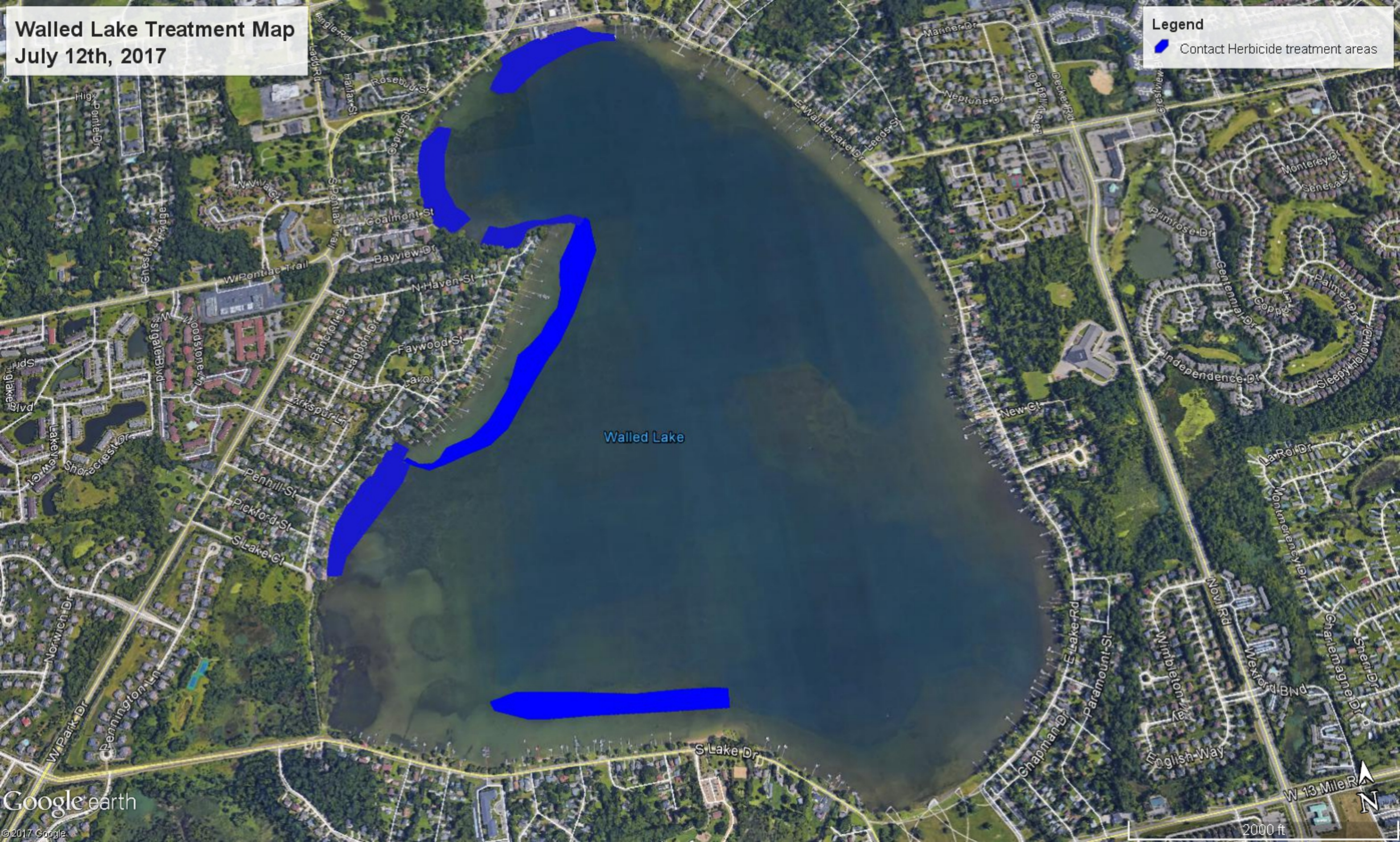


Walled Lake Treatment Map

July 12th, 2017

Legend

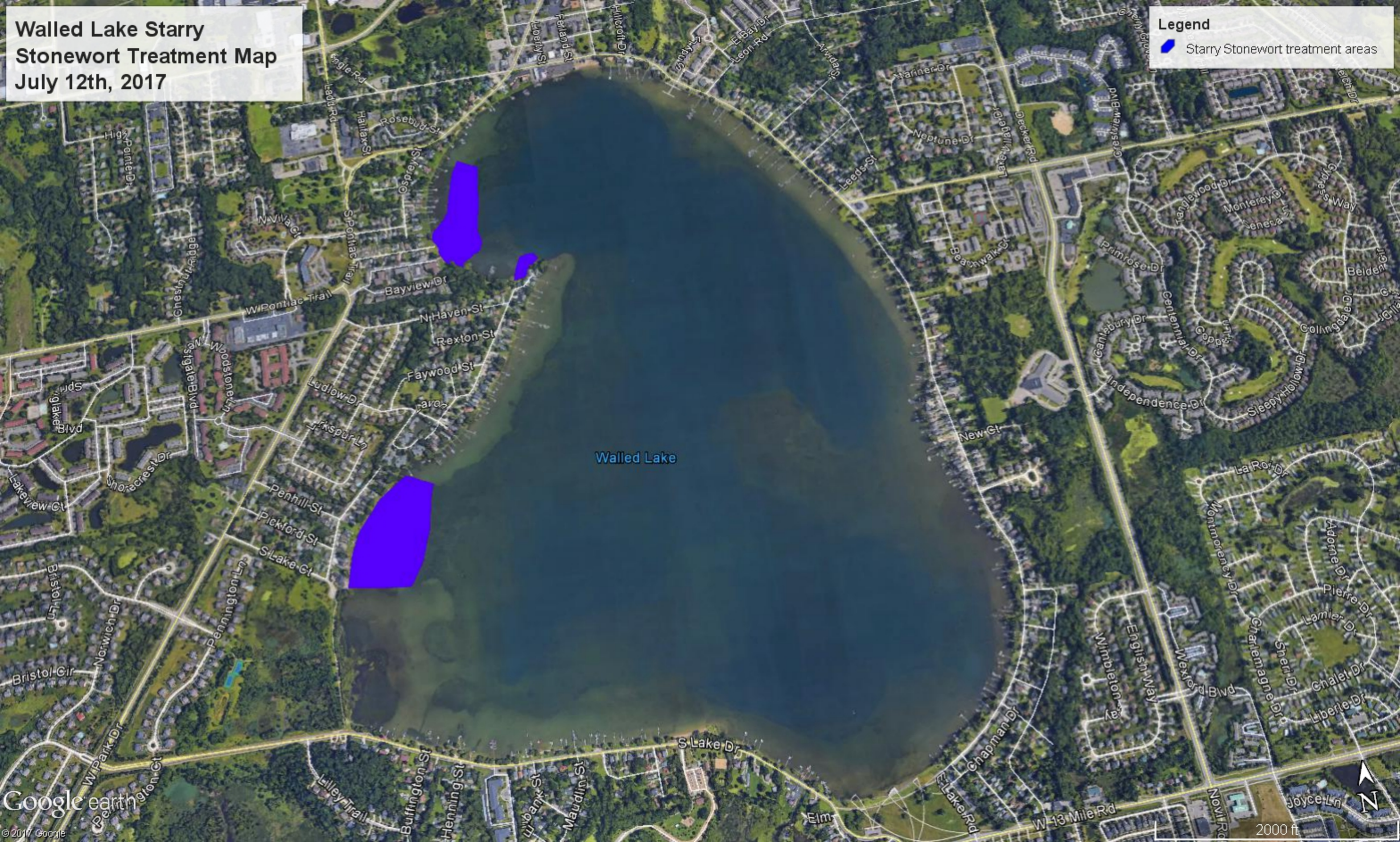
- Contact Herbicide treatment areas



Walled Lake Starry Stonewort Treatment Map
July 12th, 2017

Legend


- Starry Stonewort treatment areas

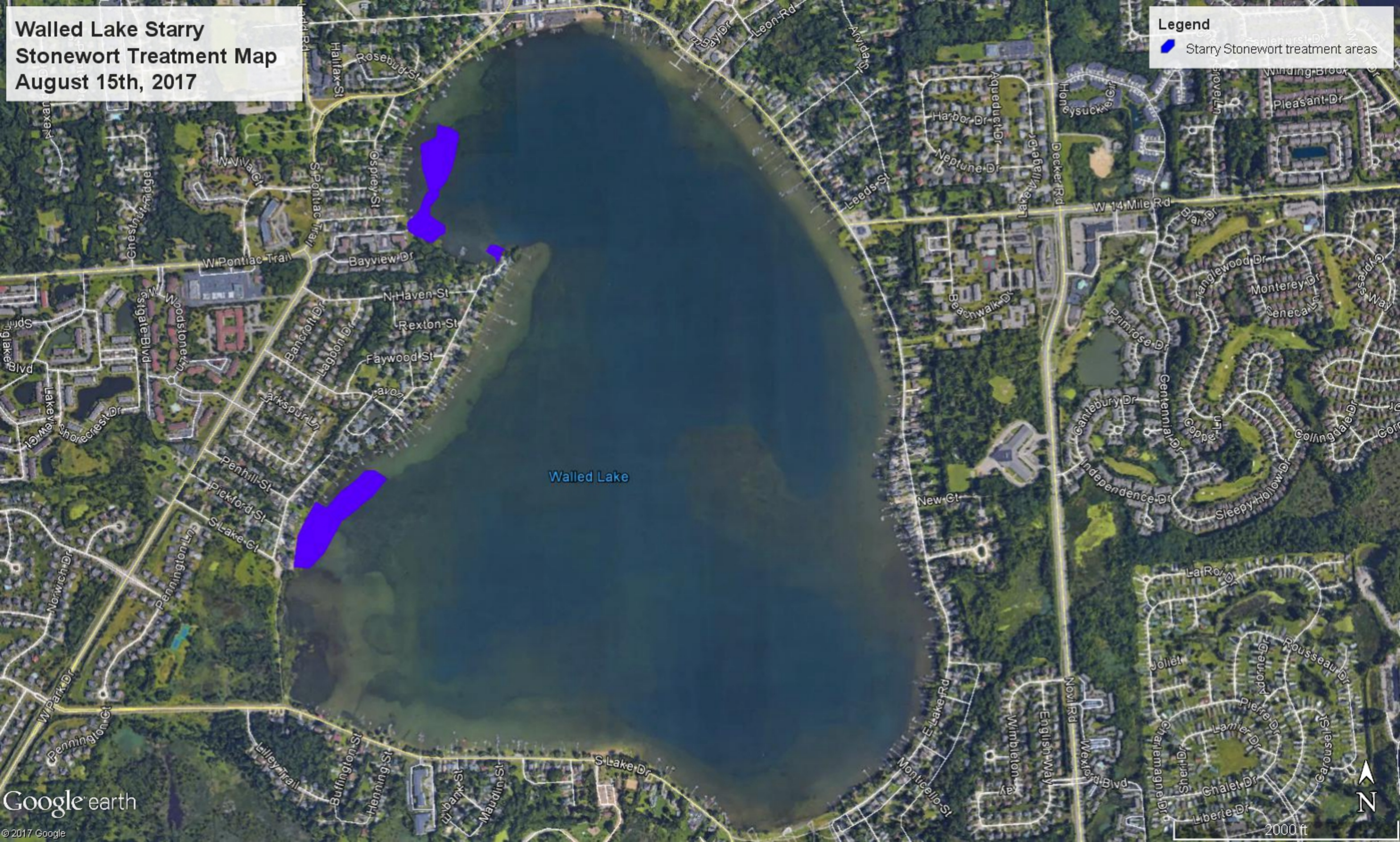


Walled Lake

Walled Lake Starry Stonewort Treatment Map
August 15th, 2017

Legend

-  Starry Stonewort treatment areas

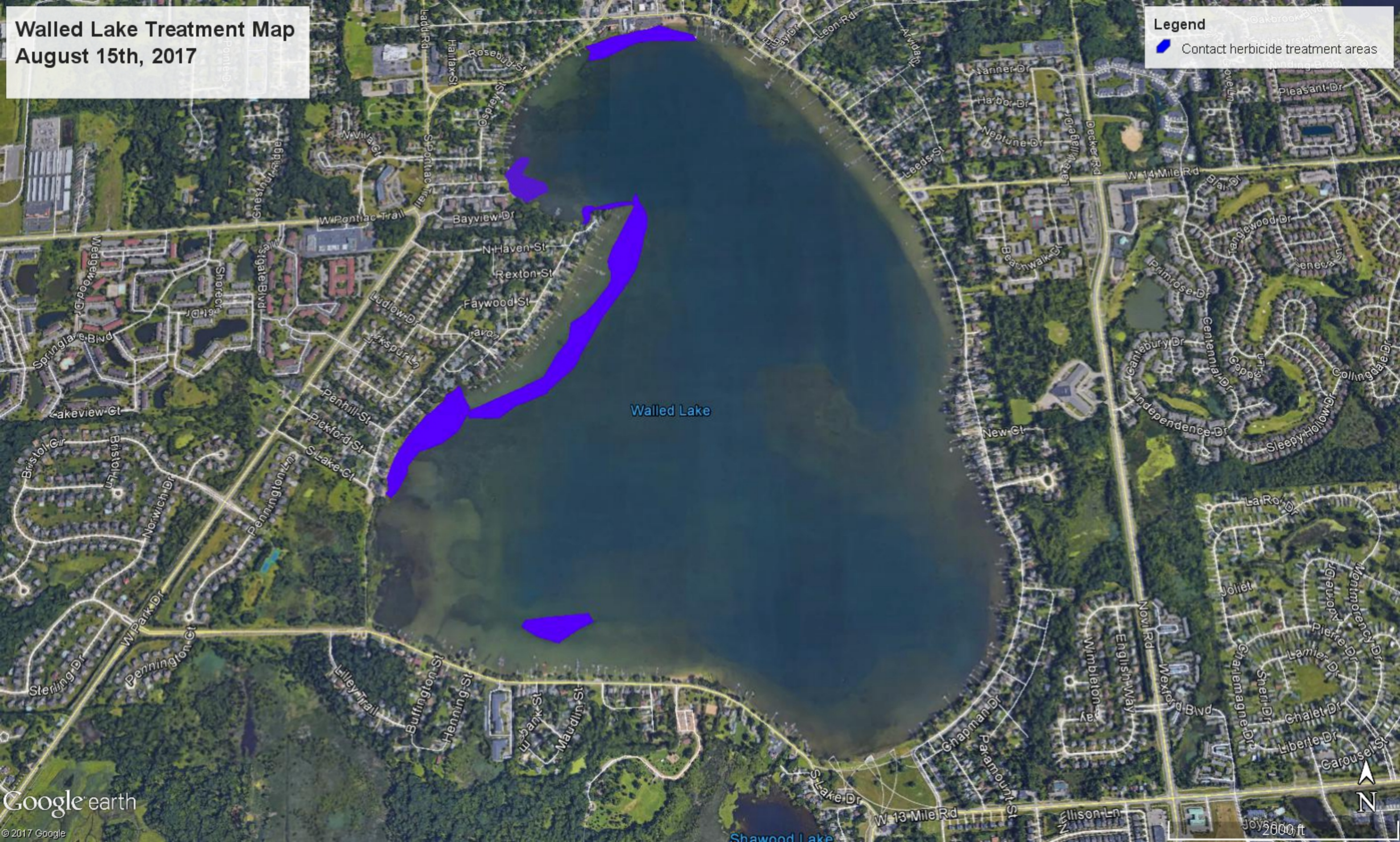


Walled Lake Treatment Map

August 15th, 2017

Legend

- Contact herbicide treatment areas




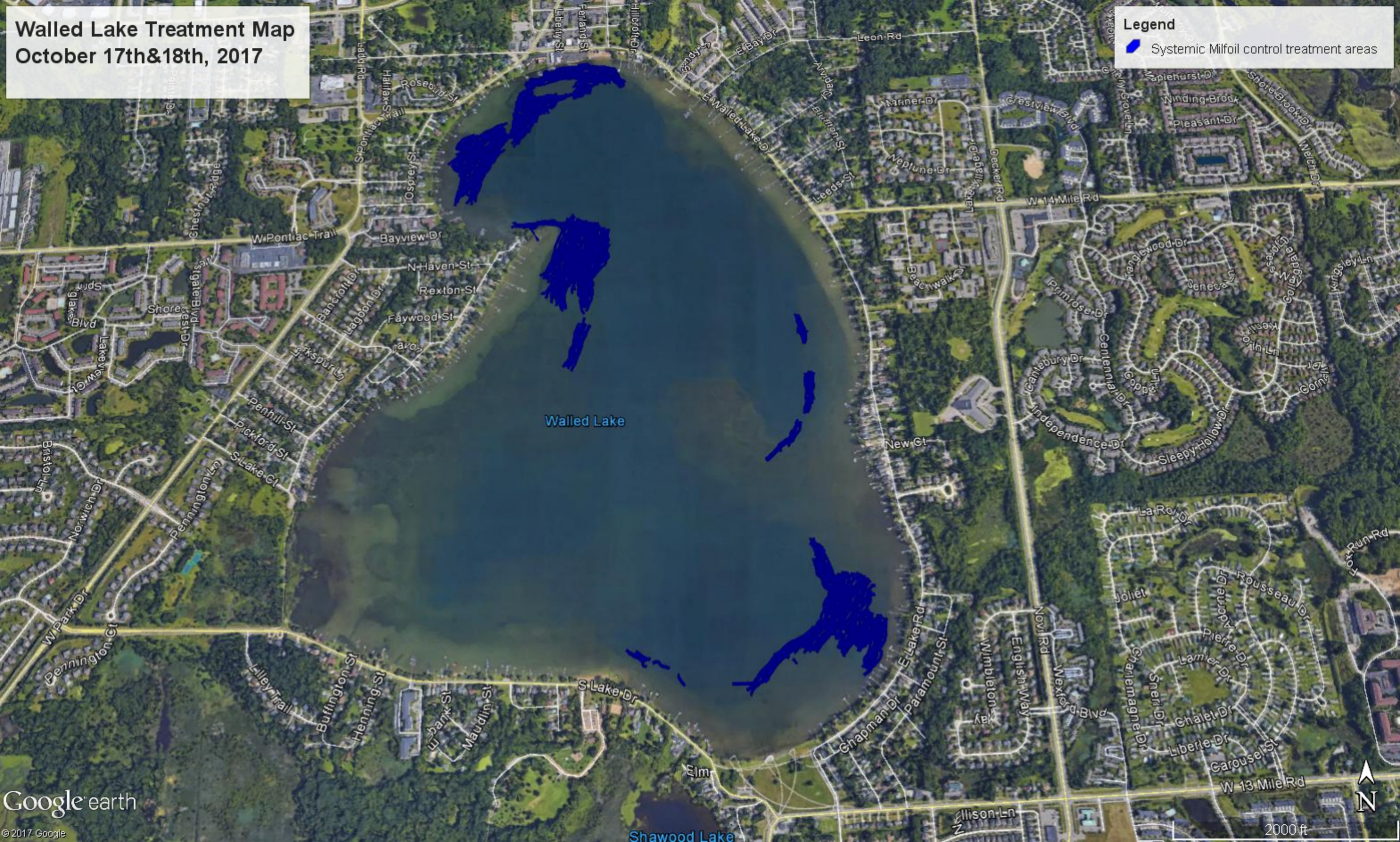
2000 ft

Walled Lake Treatment Map

October 17th&18th, 2017

Legend

-  Systemic Milfoil control treatment areas





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

October 24, 2017

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

2018 Recommendations and cost analysis

Looking forward into the 2018 season Savin Lake Services recommends to do another whole lake BioBase survey in the Spring around the middle of May depending on how early the ice is out. This survey will be a helpful tool in identifying areas of the lake that have Eurasian Watermilfoil and Curly leaf pondweed. We also recommend continuing the water quality program for trending analysis.

2018 BioBase survey and water quality program = \$4,975.00

In late May to early June Savin Lake Services will plan a treatment for Curly Leaf pondweed and any remaining Eurasian Watermilfoil after the results of the Biobase survey are analyzed. We anticipate this treatment to be around 60 – 80 acres of Curly Leaf pondweed (based on treatment records in the past years) with contact herbicides. Also during this treatment, we anticipate to do approximately 10-15 acres of systemic control of Eurasian Watermilfoil.

60 -80 acre of contact herbicides @ \$251.32/acre = \$15,079.20 - \$20,105.60

10 -15 acres of systemic Milfoil control @ \$626.99/acre = \$6,269.90 - \$9,404.85

Total projected cost range for first treatment in 2018 = \$21,349.10 - \$29,510.45

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

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120 acres of shoreline algae control @ \$56.28/acre = \$6,753.60
30 - 40 acres of contact herbicides @ \$251.32/ acre = \$7,539.60 - \$10,052.80
15 -20 acres of Starry Stonewort treatment @ \$291.75/acre = \$4,376.25 - \$ 5,835.00

Total projected cost range for second treatment = \$18,669.45 – \$22,641.40

In August, we will complete another treatment for Starry Stonewort if needed, and complete a touch up treatment for native vegetation on the north and west shore lines in and around docks again.

15 - 20 acres of Starry Stonewort treatment @ \$291.75/acre = \$4,376.25 - \$ 5,835.00
15 - 20 acres of contact herbicides @ \$251.32/acre = \$3,769.80 - \$5,026.40

Total projected cost range for August treatment = \$8,146.05 - \$10,861.40

If needed Savin Lake Services would like to conduct another fall systemic treatment for Eurasian Watermilfoil. This treatment may not be necessary with the 2017 fall treatment and 2018 spring treatment being completed but for budgetary purposes I think it's a good idea to plan for it just in case.

10 -15 acres of systemic Milfoil control @ \$626.99/acre = \$6,269.90 - \$9,404.85

2018 DEQ permit cost = \$1,500.00

Total projected cost range for 2018 = \$60,909.50 - \$78,893.10

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.

3088 Hottis Road

Hale, Michigan 48739

Hale Office: 989-728-2200

Clare Office: 989-386-0600

Toll Free: 877-SAV-LAKE

Fax: 989-516-5900

Email: Paulbarber@LakeAndPond.com

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