Appendix A. Current and historical Park Lake aerial views

Image from Google Earth, October 2016 (accessed 9 March 2016)

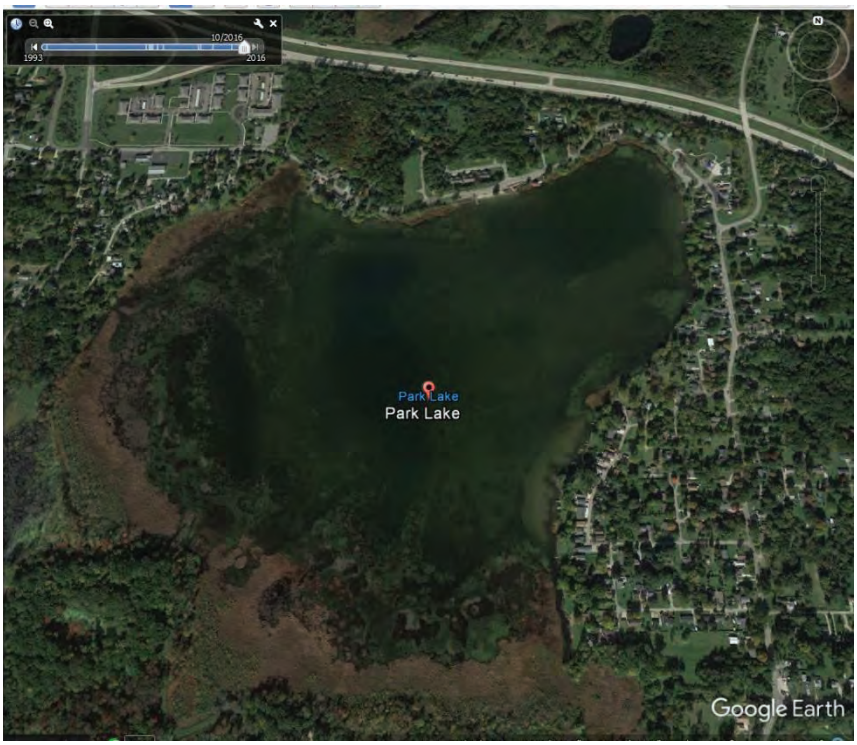
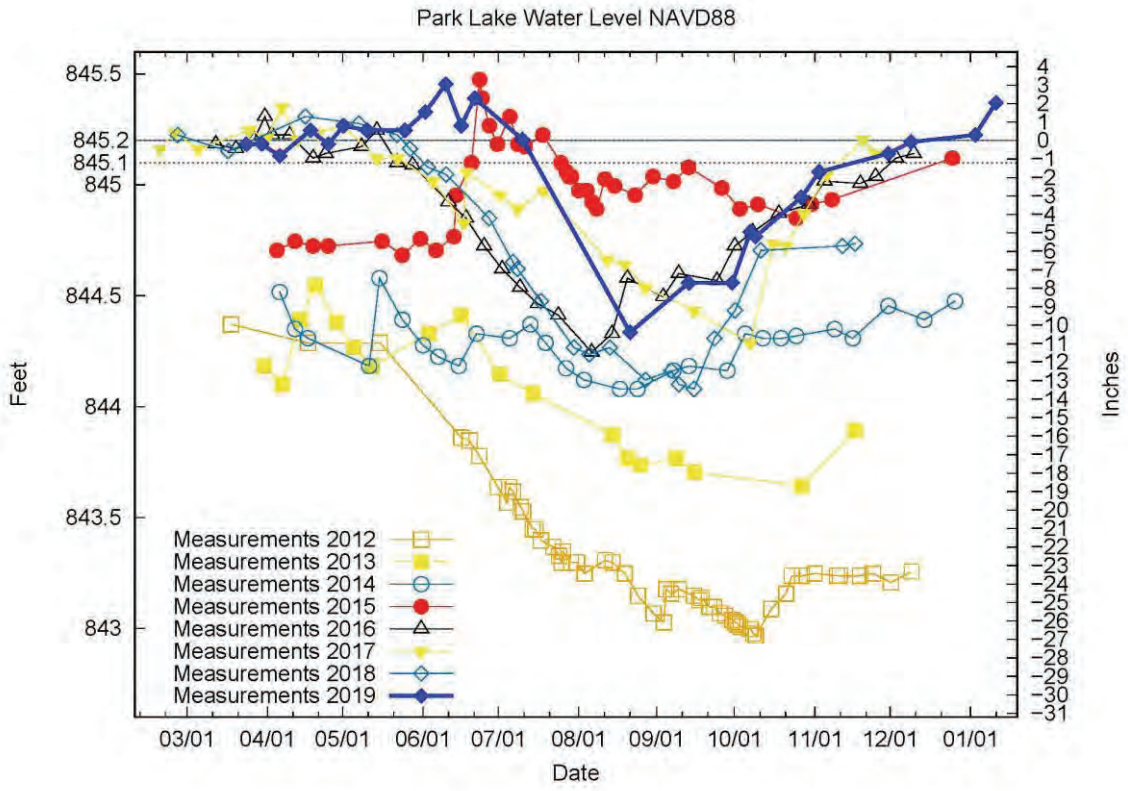


Image from Google Earth, April 2013 (accessed Feb 2015)

Image from Google Earth May 2005 (accessed Feb 2015)

Appendix B. Park Lake water levels and water loss (data provided by John Yurkon).



Appendix C. Park Lake water clarity, 2012 - 2019. The Secchi disk depth is the depth at which the disk disappears from sight as it is lowered into the lake. Deeper Secchi disk readings (meaning more negative numbers) indicate clearer water. Data collection sponsored by Friends of Park Lake. Data collected by Don Parkey, Dan Hayes, John Yurkon, Emily Galassini, J. B. McCombs and Corey Higley.

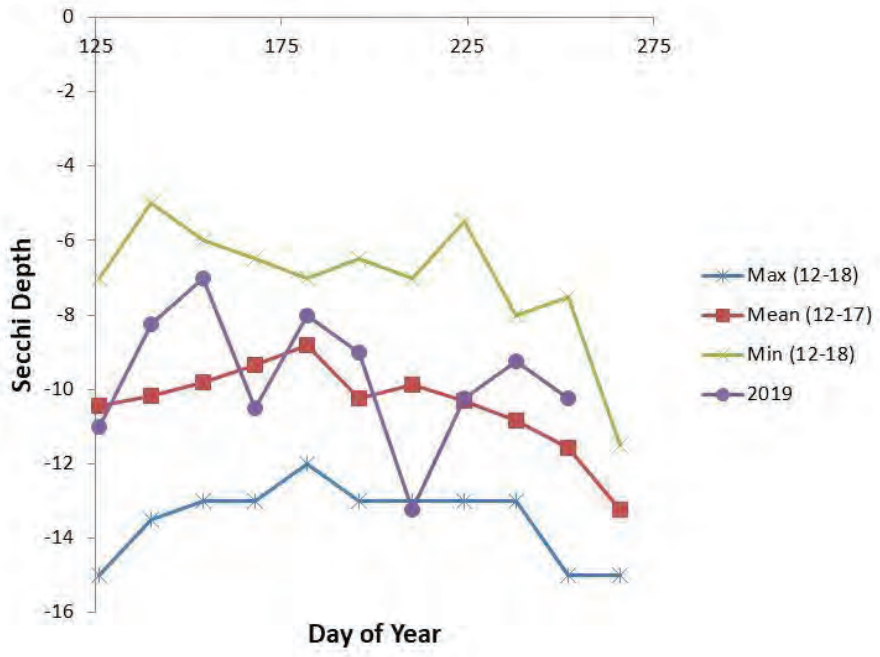


Table of mean Secchi clarity (ft), May 15 – Sept 15.

Year	Mean clarity (ft)
2012	9.8
2013	9.7
2014	11.1
2015	11.1
2016	8.5
2017	9.9
2018	10.1
2019	9.6

Appendix D. Aquatic Plants observed in Park Lake as part of exotic plant watch survey as part of the Citizen's Lake Monitoring Program, Friends of Park Lake. Conducted by Don Parkey and Dan Hayes, 1 July 2012; Dan Hayes, Elle Gulotty, and Chaoqun Su 14 August and 8 September 2013; Dan Hayes, John Yurkon, Emi Fergus, Angela DePalma-Dow 4-6 August 2014; Dan Hayes, Hollie Lane, Tim Klifman, Erick Elgin, Dwight Washington 8-10 August 2016; Dan Hayes, Dwight Washington, Mike Vasievich 15 August, 2017; Dan Hayes, Hollie Lane, Gary Schafer 23 July, 2018; Dan Hayes, Seth Gibson, Hollie Lane 6 August, 2019.

		Percent of sites						
Common Name	Genus	2012	2013	2014	2016	2017	2018	2019
Muskgrass	Chara	65%	71%	75%	83%	69%	71%	86%
White water lily	Nymphaea	63%	32%	29%	31%	36%	45%	40%
Pondweed	Potamogeton	60%	59%	86%	35%	77%	78%	79%
Eelgrass	Valisneria	52%	71%	32%	33%	38%	22%	36%
Bladderwort	Utricularia	33%	8%	39%	50%	21%	31%	24%
* Eurasian water milfoil	Myriophyllum	29%	59%	21%	0%	15%	49%	0%
Yellow water lily	Nuphar	17%	4%	11%	10%	3%	6%	5%
* Spiny naiad	Najas (minor?)	8%	3%	0%	0%	5%	6%	2%
Coontail	Ceratophyllum	4%	-	14%	0%	3%	8%	7%
* Starry Stonewort	Nitellopsis	2%	26%	18%	65%	85%	80%	62%
Bushy pondweed	Najas (gracillima?)	2%	45%	50%	0%	21%	12%	2%
Native milfoil	Myriophyllum	-	8%	43%	6%	18%	33%	5%
Elodea	Elodea	0%	1%	0%	0%	3%	4%	19%
Water bulrush (?)	Schoenoplectus subterminalis	-	-	18%	17%	15%	12%	7%
*Curly-leaf pondweed	Potamogeton crispus	0%	0%	0%	0%	0%	0%	2%

Notes:

* Non-native species highlighted in yellow.

Extensive growth of water lilies in all years prevented some areas with particularly heavy growth of white and yellow water lilies from being sampled, and thus may lead to an under estimate of the prevalence of these species.

Sampling in 2014 was focused somewhat on the southern and western side of the lake, and as such percentages may not be directly comparable to other years.

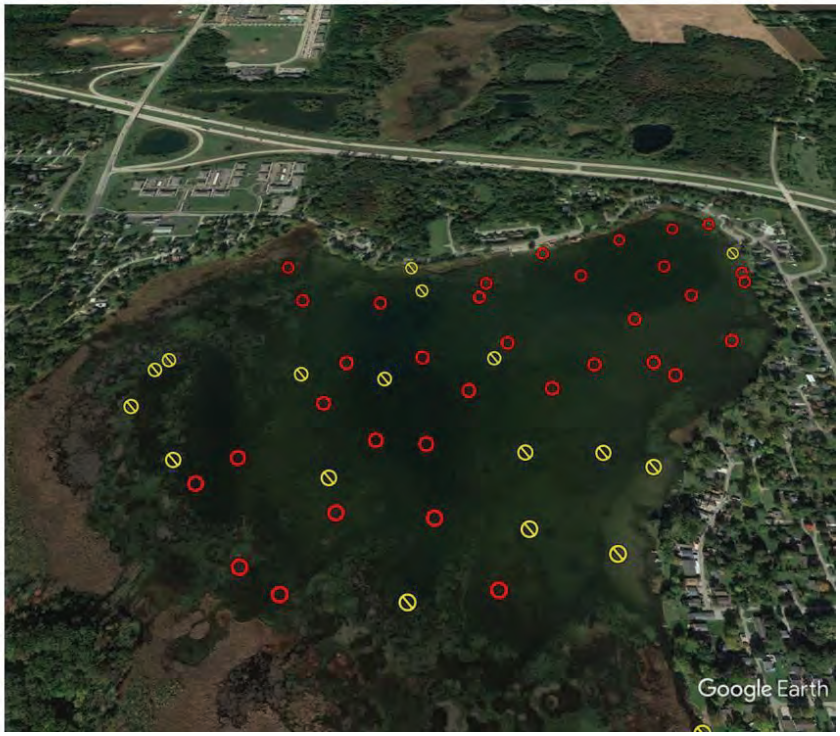
Appendix E. Map of starry stonewort distribution 2012-2018. Note that no substantial change was observed in 2019, so data from that year are not mapped.

Starry Stonewort Distribution (red circles) 2012

Starry Stonewort Distribution (red circles) 2013

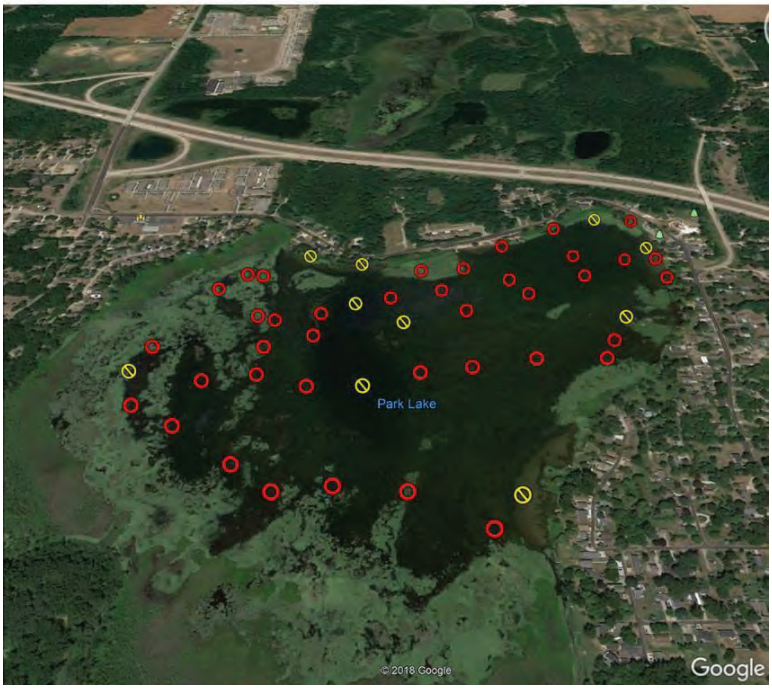
Starry Stonewort Distribution (red circles) 2014

Starry Stonewort Distribution (red circles) 2016



Starry Stonewort Distribution (red circles) 2017

Starry Stonewort Distribution (red circles) 2018



Appendix F. Results of water quality sampling conducted by Friends of Park Lake as part of the MICorps program (Michigan Clean Water Corps)

Date Sampled		Phosphorus (ug P/L)
2006-09-16	Late Summer	18
2012-04-07	Spring Overturn	33
2012-09-15	Late Summer	22
2013-04-21	Spring Overturn	18
2013-09-12	Late Summer	15
2014-05-05	Spring Overturn	15
2014-09-22	Late Summer	15
2015-04-01	Spring Overturn	14
2015-09-21	Late Summer	13
2016-03-20	Spring Overturn	17
2016-09-19	Late Summer	17
2017-04-02	Spring Overturn	26
2017-09-19	Late Summer	13
2018-05-17	Spring Overturn	14
2018-09-15	Late Summer	17
2019-04-10	Spring Overturn	20
2019-09-14	Late Summer	16

Date Sampled	Chlorophyll (mg/L)
2013-05-19	< 1.0
2013-06-19	3.9
2013-07-11	4.3
2013-08-11	3.5
2013-09-12	2.8
2014-05-14	1.1
2014-06-18	3.3
2014-07-15	5.7
2014-08-13	3.1
2014-09-22	1.9
2015-06-15	2.4
2015-07-15	9.7
2015-08-19	2.1
2015-09-21	2.5
2016-05-11	4.9
2016-06-17	4.0
2016-07-13	1.0
2016-08-14	3.4
2016-09-18	4.2
2017-05-10	1.7
2017-06-17	<1.0
2017-07-11	1.1
2017-08-10	1.3
2017-09-14	<1.0
2018-05-16	4
2018-06-16	5.1
2018-07-11	3.1
2018-08-13	17.0
2018-09-11	1.8
2019-05-17	2.3
2019-06-13	3.0
2019-07-10	4.2
2019-08-16	10
2019-09-12	3.2

Appendix G. Michigan DNR Fisheries Division prescription for Park Lake

Michigan Department of Natural Resources
Fisheries Division

Printed: 02/17/2011
Page: 1

FISHERY MANAGEMENT PRESCRIPTION

Watershed	**Grand**	Water	**PARK LAKE**
Sub-Watershed	**Looking Glass River**		
PRESCRIPTION IDENTIFICATION		WATER IDENTIFICATION	
Unit	**Southern Lake Michigan**	Primary County	
Number	**2330**		**Clinton**
Date	**01/05/2011**		
Prepared By	**Scott Hanshue**	T / R / S	**05N 01W 29**
Valid From	**02/01/2011**		
Expires	**01/31/2017**	Area (Ac)	**185.0**
Status	**Approved**		
Replaces No.	**1205**	Last Yr. Surveyed	**2004**
Dated	**11/22/2004**		

I. PROBLEM/OPPORTUNITY LIST

1. Bluegills in Park Lake were historically very small with slow growth rates. Since the introduction of channel catfish the bluegill population size structure has improved. Opportunity to further improve the bluegill fishery and provide angling opportunities for channel catfish.

II. ACTION LIST AND SCHEDULE

	Begin Date	End Date	EA Excl	GL Issue	Mark/ Tag
A. Continue to stock yearling channel catfish at the rate of 10/acre on an alternate year basis.	01/01/2011	12/31/2016	Y	N	N

III. EXPECTED RESULTS, BENEFITS, AND LONGEVITY

Park Lake is a 185 acre lake located in Clinton County east of the City of Lansing in an area with few fishing lakes. It has a maximum depth of 25 feet, but half of the lake is less than 5 feet deep. It has a long history of small, slow growing bluegills. In 1994, adult channel catfish were transferred into the lake to control the stunted bluegill population. This management action was followed by alternate year plants of yearling catfish starting in 1999. Since the introduction of channel catfish the growth rates of bluegill have increased and the population size structure has improved. Bluegill collected during the 2004 survey included ages 0-IX and ranged in size from one to eight inches. Bluegill growth rates were slightly less than the state average.

The 2004 survey also showed that other fish species are doing well. The channel catfish ranged in size from 8 to 27 inches. Largemouth bass caught were 3-15 inches and northern pike were 19-31 inches. Black crappies were 5-12 inches and pumpkinseed sunfish were 2-8 inches.

It is unlikely that the channel catfish will reproduce naturally. But the survival of the planted fish appears to be good and their introduction has had a positive effect on the fish community and the fishery. Continuation of the alternate year stocking is recommend to maintain the fishery.

IV. ALTERNATIVE ACTIONS AND REASONS NOT SELECTED

A. Discontinue stocking of yearling channel catfish.

Reason Not Selected:
The size structure of the bluegill population would decline and a popular channel catfish fishery would be lost.

V. RESOURCE REQUIREMENTS - Fish Stocking, Capital Outlay, Other

Activity	Cost (All Years)
Capital Outlay	$0.
Fish Stocking	$833.

FISHERY MANAGEMENT PRESCRIPTION

Watershed **Grand**

Water **PARK LAKE**

Sub-Watershed **Looking Glass River**

PRESCRIPTION IDENTIFICATION

Unit **Southern Lake Michigan**

Number **2330**

Date **01/05/2011**

WATER IDENTIFICATION

Primary County **Clinton**

V. RESOURCE REQUIREMENTS - Fish Stocking, Capital Outlay, Other

Activity	Cost (All Years)
Other	$0.

VI. ENVIRONMENTAL CONSIDERATIONS

1. Threatened/Endangered Species	N	11. Farm and Forest Land	N
2. Designated Wild or Scenic Area	N	12. Federal Land	N
3. Historical	N	13. Habitat Alteration	N
4. Socio-Economic Considerations	N	14. Flood Plain	N
5. Public Opposition or Concern	N	15. Wetland	N
6. Health & Safety	N	16. Bottomland/Shoreland	N
7. Construction or Modification	N	17. Discharge	N
8. Toxicant	N	18. Energy	N
9. Species Introduction	N	19. Cumulative Impacts	N
10. Land Manager Approval Needed	N	20. State Forest Implication	N

VII. ENVIRONMENTAL ASSESSMENT

Prescription is Categorically Excluded (Y/N?): Y

Public Involved and Supportive (Y/N?): Y

VIII. COORDINATION OR OUTSIDE ASSISTANCE NEEDED (Specify and Describe)

Will need to coordinate with an out-of-state hatchery in St. Marys, Ohio.

IX. ATTACHMENTS

Stocking Request Number	984
E.A.R. (Y/N)	N
Public Involvement Plan (Y/N)	N
Maps (Y/N)	N
Plans (Y/N)	N
Other (List)	N/A

XI. APPROVALS

Approval Level	Approved By	Approval Date
FMU Approval	Jay Wesley	02/01/2011

FISHERY MANAGEMENT PRESCRIPTION

Watershed **Grand**

Water **PARK LAKE**

Sub-Watershed **Looking Glass River**

PRESCRIPTION IDENTIFICATION

Unit **Southern Lake Michigan**

Number **2330**

Date **01/05/2011**

WATER IDENTIFICATION

Primary County **Clinton**

PRESCRIPTION COMMENTS

FMU Review Comments III. EXPECTED RESULTS, BENEFITS, AND LONGEVITY SOM_waybranlj 01/10/2011 10:04:00

I recommend approval.

Statewide Comments X. PRESCRIPTION COMMENTS SOM_lesagec 01/27/2011 16:46:00

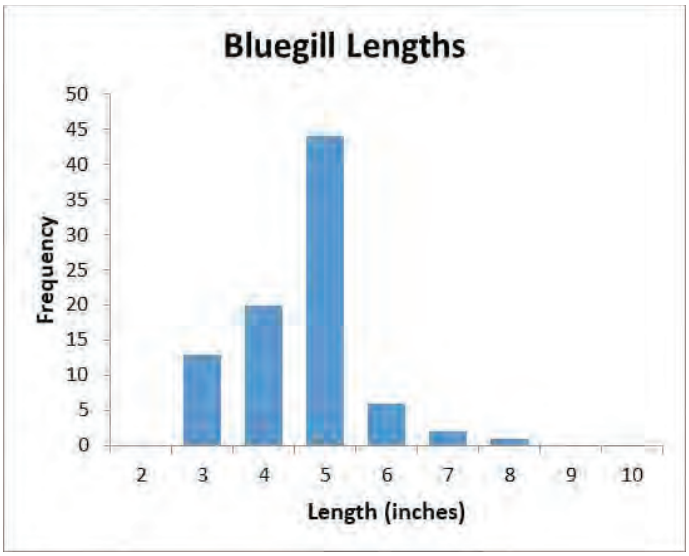
Sounds like a good plan. In other places, channel cat survival has been so good that eventually a stocking reduction has been needed because of the high predation on panfish. Just something to consider.

Statewide Comments X. PRESCRIPTION COMMENTS SOM_lesagec 01/28/2011 16:47:00

All set. I recommend approval.

Appendix H. Summary of fish seen or captured in Park Lake by MSU students in FW101L (Introduction to Fish and Wildlife Lab) and FW474 (Field Techniques in Fisheries and Limnology). Length-frequency of Bluegill in 2019, based on samples from netting.

Fish Species	2011	2012	2013	2014	2015	2016	2017	2018	2019
Black chinned shiner					X				
Black Crappie	X	X	X	X	X	X		X	X
Bluegill	X	X	X	X	X	X		X	X
Bowfin	X		X	X	X				
Brown Bullhead					X	X			X
Channel Catfish	Seen	Seen	X	Seen	X	X		X	X
Common Carp	X	Seen	X	Seen	Seen			X	X
Golden Shiner	X				X				
Grass Pickerel	X		X	X	X	X		X	X
Iowa Darter					X				
Lake Chubsucker	X				X	X		X	X
Largemouth Bass	X	X	X	X	X	X		X	X
Minnows		X	X	X		X		X	X
Northern Pike	X	X			X	X		X	X
Pumpkinseed	X	X	X	X	X	X		X	X
Spot-tailed shiner								X	
Warmouth	X	X	X	X	X	X		X	X
White Sucker					X	X			
Yellow Bullhead	X				X			X	X
Yellow Perch	X	X	X	X	X	X		X	X



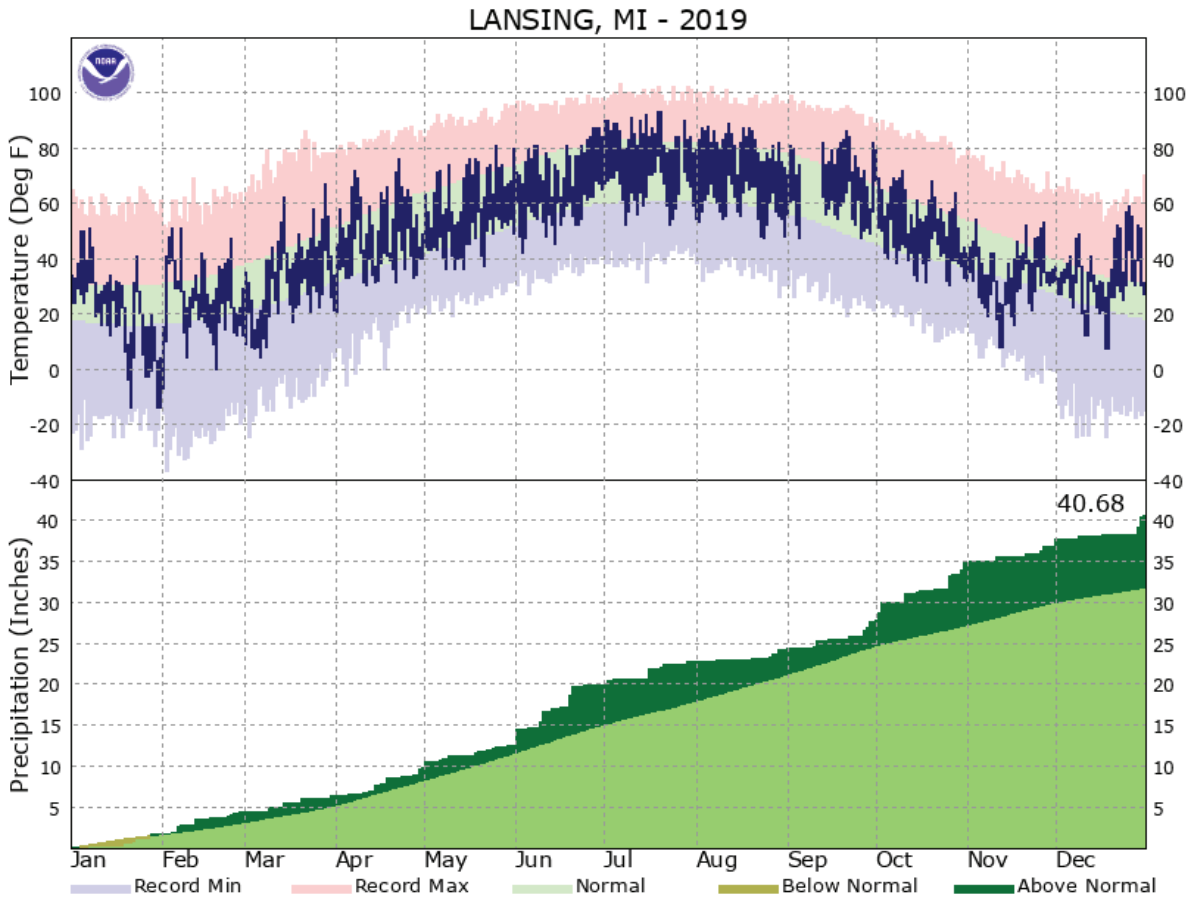
Appendix I. Roster of the Park Lake Advisory Board.

Year	Chair	Secretary	Committee Members
2012	Rick Price	Dan Hayes	Ray Kotke, Don Parkey, Leon Puttler, John Yurkon
2013	Dan Hayes	Cheryl Murphy	Ray Kotke, Don Parkey, Rick Price, Leon Puttler, John Yurkon
2014	Dan Hayes	Cheryl Murphy	Ray Kotke, Don Parkey, Rick Price, Leon Puttler, John Yurkon
2015	Dan Hayes	Emi Fergus	Ray Kotke, Don Parkey, Rick Price, Leon Puttler, John Yurkon
2016	Dan Hayes	Emi Fergus, Cheryl Murphy	Ray Kotke, Don Parkey, Rick Price, Leon Puttler, John Yurkon
2017	Dan Hayes	Cheryl Murphy	Ray Kotke, Don Parkey, Rick Price, Denise McCrimmon, John Yurkon
2018	Dan Hayes	Cheryl Murphy	Ray Kotke, Don Parkey, Rick Price, Denise McCrimmon, John Yurkon
2019	Dan Hayes	Cheryl Murphy	Ray Kotke, Don Parkey, Rick Price, Denise McCrimmon, John Yurkon

Appendix J. Climatological record for Lansing area, 2018. Accessed through https://w2.weather.gov/climate/index.php?wfo=grr , selecting for annual climate report (CLA).

```
...THE LANSING MI CLIMATE SUMMARY FOR THE YEAR OF 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1864 TO 2019

WEATHER         OBSERVED          NORMAL  DEPART  LAST YEAR`S
                 VALUE   DATE(S)  VALUE   FROM    VALUE  DATE(S)
                                          NORMAL
.............................................................
TEMPERATURE (F)
RECORD
 HIGH             103   07/06/2012
 LOW              -37   02/02/1868
HIGHEST            93   07/20        MM      MM       95  08/05
                        07/19                             07/04
LOWEST            -14   01/31        MM      MM       -8  01/05
                        01/21
                        01/30
AVG. MAXIMUM       MM              57.5      MM     57.7
AVG. MINIMUM       MM              39.1      MM     40.0
MEAN               MM              48.3      MM     48.9
DAYS MAX >= 90      8               7.0     1.0       17
DAYS MAX <= 32     53              51.0     2.0       44
DAYS MIN <= 32    143             131.0    12.0      154
DAYS MIN <= 0       9               7.6     1.4        5

PRECIPITATION (INCHES)
RECORD
 MAXIMUM        48.41   1883
 MINIMUM        18.50   1930
TOTALS          40.68             31.77    8.91    37.77
DAILY AVG.       0.11              0.09    0.02     0.10
DAYS >= .01       159             136.8    22.2      148
DAYS >= .10        82              69.0    13.0       76
DAYS >= .50        27              19.3     7.7       25
DAYS >= 1.00       10               5.2     4.8        6
GREATEST
 24 HR. TOTAL    1.92   06/01 TO 06/01

SNOWFALL (INCHES)
RECORDS
 TOTAL           86.3   2008
 24 HR TOTAL     15.4   01/26/1967
 SNOW DEPTH        27   01/27/1978
                        01/28/1978
TOTALS           33.5              51.1   -17.6     48.7
SINCE 7/1        12.2              16.8    -4.6     13.2
SNOWDEPTH AVG.      0                MM      MM        1
DAYS >= TRACE      49              44.7     4.3       81
DAYS >= 1.0        10              16.3    -6.3       15
GREATEST
```

```
 SNOW DEPTH         8   02/13                        11  02/12
                                                        02/11
 24 HR TOTAL      5.6   11/11 TO 11/11

DEGREE_DAYS
HEATING TOTAL       0              6711   -6711     6670
 SINCE 7/1         MM              2552      MM       MM
COOLING TOTAL       0               623    -623      922
 SINCE 1/1          0               625    -625      922

FREEZE DATES
RECORD
 EARLIEST     08/03/1894
 LATEST       07/15/1863
EARLIEST                        10/01
LATEST                          05/10
..............................................................

WIND (MPH)
AVERAGE WIND SPEED              8.7
RESULTANT WIND SPEED/DIRECTION   3/242
HIGHEST WIND SPEED/DIRECTION    41/260    DATE  02/24
HIGHEST GUST SPEED/DIRECTION    57/250    DATE  11/27

SKY COVER
POSSIBLE SUNSHINE (PERCENT)   MM
AVERAGE SKY COVER           0.50
NUMBER OF DAYS FAIR          121
NUMBER OF DAYS PC            127
NUMBER OF DAYS CLOUDY        117

AVERAGE RH (PERCENT)    150

WEATHER CONDITIONS. NUMBER OF DAYS WITH
THUNDERSTORM             36     MIXED PRECIP                0
HEAVY RAIN               38     RAIN                       59
LIGHT RAIN              139     FREEZING RAIN               3
LT FREEZING RAIN         11     HAIL                        1
HEAVY SNOW                3     SNOW                       14
LIGHT SNOW               70     SLEET                       3
FOG                     207     FOG W/VIS <= 1/4 MILE      21
HAZE                     72

-  INDICATES NEGATIVE NUMBERS.
R  INDICATES RECORD WAS SET OR TIED.
MM INDICATES DATA IS MISSING.
T  INDICATES TRACE AMOUNT.
```


LANSING, MI - 2019
Temperature (Deg F)
Precipitation (Inches)
40.68
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Record Min
Record Max
Normal
Below Normal
Above Normal

Appendix K. Water quality testing results from samples collected in 2014-2019.

Date	Geometric Mean E. coli /100 ml
11 June 2014	75.2
6 July 2016	53.0
27 June 2017	32.9
5 July 2018	89.9
22 July 2019	135.2

Environmental &Molecular Microbiology Laboratory

MICHIGAN STATE UNIVERSITY

Joan B. Rose, Ph.D
Michigan State University
College of Agriculture and Natural Resources
Department of Fisheries and Wildlife
East Lansing, MI 48824
Tel: (517) 432-8185
Fax: (517) 432-1699

Summary Report: July 23, 2019 *Esherichia coli (E.coli)*

Sample ID	Site Location	Date Collected	Organism	Total Organisms Detected MPN/100ml	95% confidence interval	
					Lower	Upper
1	Park Lake Beach – East	7-22-2019	*E.coli*	178.0	130.3	235.5
2	Park Lake Beach – Center	7-22-2019	*E.coli*	115.3	86.7	150.0
3	Park Lake Beach – West	7-22-2019	*E.coli*	120.3	92.8	154.7

[a] ″ > ″ symbol indicates that the concentration of the sample exceeds the detection maximum of the method.

Note: DEQ guidance is that water is safe for swimming as long as no count is greater than 300, and the geometric mean is less than 130. http://www.michigan.gov/deq/0,4561,7-135-3313_3681_3686_3730-11005--,00.html

Appendix L. Approximate annual payments for Park Lake management by Bath Township

Year	Cost	Notes
2009	$9,731	Includes plant harvesting and vegetation survey, but not DEQ permit
2010	$17,069	Includes plant harvesting and vegetation survey, and DEQ permit
2011	$11,097	Itemized listing not available
2012	$10,888	Includes treatment, vegetation suvery, and DEQ permit
2013	$15,767	Includes treatment, vegetation suvery, and DEQ permit
2014	$15,630	Includes treatment, vegetation suvery, and DEQ permit
2015	$7,338	Includes treatment, vegetation suvery, and DEQ permit
2016	$20,409	Includes regular treatment plus whole-lake milfoil treatment, veg. survey, and DEQ permit
2017	$3,352	Includes treatment, vegetation suvery, but not DEQ permit. Costs much lower due to whole lake treatment previous year
2018	$6,303	Includes costs of treatment, vegetation survey, and DEQ permit paid to PLLM, and cost of lake survey by Restorative Lake Sciences.
2019	$25,000	Township budget allocated

Appendix M. Water temperature and dissolved oxygen profiles, 15 August 2018. Sampling conducted by Daniel Hayes and Susan Macias.

Deep Site: Latitude 42.790961 Longitude 84.441035					
	Dissolved Oxygen (ppm)			Temperature (°F)	
Depth (ft)	6:00 AM	6:00 PM		6:00 AM	6:00 PM
0	8.5	8.9		79.3	82.8
-3	8.4	8.7		80.4	82.8
-6	8.2	8.6		80.8	82.4
-9	5.3	4.7		79.7	79.9
-12	0.2	0.3		75.4	76.5
-15	0			71.4	
Shallow Site: Latitude 42.792083 Longitude 84.435203					
	Dissolved Oxygen (ppm)			Temperature (°F)	
Depth (ft)	6:00 AM	6:00 PM		6:00 AM	6:00 PM
0	9.3	10.1		80.8	82.8
-3	9.2	10.9		81.5	82.9

Appendix N. Results of genetic testing of watermilfoil for hybridization

Michigan Hybrid Watermilfoil Project

2018 Report for Park Lake, Clinton County

Thank you for participating in this research project! Our goals are to better understand the extent of hybrid watermilfoil in Michigan's inland lakes, and to develop effective management strategies. By collecting and submitting samples from your lake, you have helped us towards those goals. In return, we are providing these genetic analysis results for the samples you submitted.

Below, you will find a table summarizing the genetic analyses, and a map showing the locations and identity of each analyzed sample. Map points may represent multiple occurrences of a species from a single location. Locations of samples that were submitted but not analyzed, or that failed analysis, may not be included.

Hybrid watermilfoil is a cross between invasive Eurasian watermilfoil (*Myriophyllum spicatum*) and native Northern watermilfoil (*M. sibiricum*). In some cases, other native milfoil species were identified, such as variable watermilfoil (*M. heterophyllum*) or whorled watermilfoil (*M. verticillatum*). Some lakes submitted samples that were not watermilfoils at all. Occasionally, genetic analysis failed for unknown reasons; this could mean that the sample was not handled appropriately in the field, or the sample was not a milfoil. To minimize these failed analyses, careful adherence to the sampling protocol is important, including ensuring that only milfoils are submitted for analysis. Finally, for lakes that submitted many samples, we chose to analyze only a subset. That subset was enough for us to understand the extent of hybrid watermilfoil in that lake.

2018 Milfoil Genetic Analysis Summary for Park Lake, Clinton County.	
No. of samples submitted	39
No. of samples analyzed	21
Total Eurasian watermilfoil	15
Total hybrid watermilfoil (Eurasian x Northern)	0
Total Northern watermilfoil	0
Total Variable watermilfoil	0
Total Whorled watermilfoil	0
Total Failed analyses	6

Appendix O. Information on goose, swan, and sandhill crane nests along Park Lake, 2019.

Nest summary - all nests (or broods) visible from kayak. Dan Hayes. 28 April 2019

Nest_ID	Latitude	Longitude
Swan_A	42.787664	-84.436578
Sandhill_Crane_A	42.786353	-84.443358
Goose_2019_A	42.787664	-84.436578
Goose_2019_B	42.785606	-84.437492
Goose_2019_C	42.784881	-84.440506
Goose_2019_D	42.785511	-84.441628
Goose_2019_E	42.785869	-84.442489
Goose_2019_F	42.786522	-84.442178
Goose_2019_G	42.793503	-84.449111
Goose_2019_H	42.789250	-84.446517
Goose_2019_I	42.791961	-84.432358

Appendix P. Annual planning calendar.

Park Lake Advisory Board Annual Planning Cycle 2020

Month	Planned Priority
January	Start preparations for annual report
February	Annual report
March	Finalize annual report
April	
May	Generally cancel meeting
June	
July	
August	Submit budget request for following year Discuss results of plant survey
September	
October	
November	Plan for issues in upcoming year
December	Generally cancel meeting

Appendix Q. Approximate dates of continuous ice on and ice out on Park Lake.

Approximate dates of continuous ice on and ice out on Park Lake.

Ice on	Ice out
	30-Mar-05
	19-Mar-11
	24-Feb-12
	29-Mar-13
	8-Apr-14
	25-Mar-15
2-Jan-16	8-Mar-16
10-Dec-16	21-Feb-17
10-Dec-17	25-Feb-18
11-Jan-19	24-Mar-19
8-Jan-20	9-Mar-20

Appendix R. Total of boat counts and percent of images with a boat present on Park Lake, May-Oct 2019 (counts completed only through July as of March 2020). Counts conducted via game camera mounted at 15486 Park Lake Road, images captured every ½ hour 6 am to 8:30 pm daily. Summaries exclude photographs where light conditions were too dark, or too foggy to see boats on the lake.

Count of Total Watercraft								
Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
5	93	46	22	28	14	47	42	292
6	235	36	90	103	47	109	233	853
7	288	140	105	137	174	115	184	1143
8	221	84	61	52	100	177	205	900
9	70	102	20	31	28	11	67	329
10	8	9	7	9	24	19	24	100
Grand Total	915	417	305	360	387	478	755	3617

Month	Total Number of Photographs Evaluated
5	927
6	891
7	929
8	883
9	766
10	670
Grand Total	5066

Month	Percent of Time with Boat Present
5	20.2%
6	46.8%
7	60.7%
8	52.3%
9	27.8%
10	12.7%
Grand Total	38.1%