



Island, Lower Long and Forest Lake
Property Owner's Association (POA)

Newsletter

ANNUAL NEWSLETTER

Twenty-third Annual Edition! SPRING 2021

Welcome back, one and all! Last year we did not publish this newsletter. We hope that it's arrival in your mailbox is just one more indication we are returning to a life resembling that of pre-2020. As riparians on Island, Lower Long and Forest Lakes, let us look forward to getting back out and socializing with family and friends!

I want to share a story of my observations on Forest Lake from last year. I had to come back from South Florida early in March, 2020 and I was able to watch our longtime resident pair of adult swans hatch an unusually large brood of EIGHT cygnets of which an incredible SIX survived (at least until wife Lou Ann and I left for Florida on December 23). In forty years on Forest and Upper Long Lakes, I don't recall a swan family anything near this large! There are typically four or so births (with two or three survivors) max and sometimes only one—or even *none* survive! This, I decided, was worth watching and so I made every effort to observe our swan family throughout the 2020 season. The cygnets stayed glued to their parents and grew as summer lapsed in fall at which time it became difficult to tell parents from babies. From early October on, I noticed increasing distance between adults and offspring. The distancing became more pronounced until at Thanksgiving-time when the parents seemed to disappear altogether. The brood was on its own! I had never noticed this in prior years but it became more obvious as December progressed and I observed the young swans patrolling Forest Lake in a single file almost as if they were searching for their parents. Then on the day before we were to leave for Florida, I witnessed something out of a National Geographic documentary! I witnessed six young swans paddling along the eastern shore of Forest Lake and then I saw two swans flying east along the north shore and proceed to land on the lake's northeast corner. It was mom and dad! Then as if on cue, the young convoy turned on a dime and headed north across the lake. The reunion was brief. The parents landed and circled the brood, touching their children with their beaks. Then, after seemingly satisfied, mom and dad departed westward, from whence they came. The sibling swans reorganized and resumed their patrol of Forest Lake.

The bad news is I did not record a video of these 2020 events. The good news is that our very prolific adult swans have returned and have spawned six cygnets *this* year! Trust me, I am camera ready this season!

Be sure to check out this year's newsletter for more tips on taking advantage of lakeside living. I hope to connect you at our **POA Annual Meeting via ZOOM** scheduled for **Thursday July 8, 2021 at 7:00 pm**. To attend go to: [Zoom.com](https://zoom.us) and click on *Join A Meeting*. The Meeting ID is: 863 1952 2889 and the Passcode is: 984234. Or, use the Zoom meeting link on our website at ILFPOA.com.

Have a safe and enjoyable summer season on our lakes!

Annual Meeting!

THURSDAY, JULY 8TH AT 7 PM
VIA ZOOM



Please keep this newsletter as a reference to use throughout the year. Comments or suggestions can be forwarded to Terry Counihan at (248) 884-4163 or terrycounihan@att.net



POA WEBSITE: Check out our POA website at: ILFPOA.com
 The annual newsletter, water quality reports, Lake Committee reports and other periodic updates are available online for your convenience at ILFPOA.com

- WHAT DOES YOUR POA DO?** Following is a *partial* list of what your POA does for you:
- Establishes goose control policies and practices. Arranges and pays for goose egg retrieval and goose round ups.
 - Advocates for residents at Bloomfield Twp. Zoning Board of Appeals as necessary.
 - Maintains boat launch sites for each of our lakes and other common areas.
 - Provides for commercial liability and D & O insurance for owned property and for BOD directors.
 - Arranges and pays for circulation of *Oakland Lakefront* and *Michigan Riparian* magazines.
 - Liaises with legislative and citizen groups including United Bloomfield Homeowners, Michigan Lakes Streams, and MI Waterfront Alliance.
 - Coordinates lake water quality testing, analysis and publication of results.
 - Advocates on behalf of neighbors and our neighborhood regarding issues of local concern with Bloomfield Twp. executive offices and Police Department, Bloomfield Hills School Board, state legislature, etc.
 - Publishes this annual newsletter and coordinates our annual meeting.
 - Board members Ned Greenberg, Mike Vlasic and Steven Grekin also serve as Lake Board SAD reps for each of our lakes (see **LAKE MANAGEMENT BOARDS**)

DUES / FINANCES

As always, a financial report will be available at the **POA Annual Meeting via ZOOM on Thursday July 8, 2021 at 7:00PM**. Based on a preliminary report, your POA Board has authorized dues of \$100.00 per riparian residence and \$25.00 for non-riparians and Special Riparians for 2021 ***unchanged for over twenty (20) years!*** An invoice and self-addressed, stamped envelope are enclosed for your convenience. **Annual POA dues are due and payable NOW upon receipt.** Be a good neighbor and mail your dues in promptly.



POA BOARD OF DIRECTORS:

Name	E-mail	Address	Ph (248)	Lake
Andria Bojrab	aboj5@comcast.net	1670 Kirkway	302-0522	I
Warren Brandes	Sweettooth1492@aol.com	1492 Long Lake	851-9195	I
Terry Counihan	terrycounihan@att.net	1361 Club Dr.	884-4163	F
Ned Greenberg	NGreenberg@dqs.com	1577 Island Lane	757-2350	I
Steven Grekin	sg222@aol.com	1350 Lochridge	333-2310	F
Assad Mazhari	AsadMaz2001@gmail.com	1645 Kirkway	855-8135	I
Mary Pardi	MaryPardi@comcast.net	1433 Kirkway	626-0678	I
R. Bart Sangal	sangalrb@moneal.net	1370 Kirkway	539-0888	L
Larry Smith	ls@larrysmith.com	1660 Apple Lane	865-2015	L
Mike Somand	msomand@umich.edu	1560 Indianwood Ct.	332-7049	F
Satish Tummala	satish@motorwerksgoup.com	1555 Island Lane	761-0791	I
Mike Vlastic	Vlastic.mike@gmail.com	1211 Club Dr.	335-3161	L

BOAT DOCKAGE

Bloomfield Twp ordinances also provide for a single dock per riparian (lakeside) lot and up to two (2) boats (no motorboats) moored thereon. Seasonal (summer) storage is on the water only, and not on land, whether on either a riparian or non-riparian lot.



CLUB DRIVE SAFETY PATH

Bloomfield Township has approved this concept as part of its Master Plan. However, at this time the project is on hold given neighborhood objections and the complexity of constructing a sidewalk along Club Dr. adjacent to the golf course. Will stay apprised of the status via our website at ILFPOA.com.



KIRKWAY ROAD RECONSTRUCTION

We are anticipating a response/budget on this subject at any time from Oakland County Roads Commission. At that time, public hearings will be convened by Bloomfield Township aimed at establishing an SAD to cover Kirkway Rd reconstruction costs.



Phragmites

This is an exceptionally invasive nuisance plant which has begun to invade some of the lakes in our area. This predator plant is known to choke out wide swaths of native aquatic plant life in SE Michigan and has been identified on all three (3) of our lakes. Phragmites grow very quickly up to a rate of nearly fifteen (15) feet per year! Like invasive purple loosestrife, the stalky, plumed top plant is quite attractive especially when it flows gracefully in a gentle breeze. But it spreads rapidly and is very difficult to control. A good example of phragmites run amok is along the west side of southbound Telegraph just south of the Bloomfield Township campus. For more information of about phragmites, please refer to: www.invasivespeciesinfo.gov.



ENVIRONMENTAL HOTLINE

A 24 hour hotline is available to report unusual water and sewer related incidents.
Call (248) 858-0931 if you witness:

- Leaky septic systems or other runoff from storage piles.
- Suspicious lake conditions or activities on or around our lakes.
- Dead or distressed fish or animals.
- Sedimentation.
- An unusual or suspicious discharge in a catch basin or waterway.
- Dumping of animal waste or other liquid or solid waste on or near our lakes.



Public Safety will direct the call to the appropriate agency. The Drain Commissioner's Office will be notified if the situation will affect water resources. The Drain Office will insure that these complaints are addressed. If you witness an environmental violation taking place, do not attempt to approach the offenders, call Oakland County Public Safety 24/7 at (248) 858-0931.



WINTER DAMAGE:

If you believe that your mailbox or other personal property was damaged by a Bloomfield Township snow plow truck, call the Bloomfield Township Road Department at (248) 433-7709.

MICHIGAN LAKES AND STREAMS ASSOCIATION (MLSA): For over 60 years, MLSA has promoted the interests of riparians in Michigan. From conservation to riparian rights to watershed management to educational outreach to legislative initiatives, MLSA has been a strong advocate for the rights of lake-front residents and their POA's.

For example, MLSA successfully blocked public access initiatives in the Michigan legislature and many other issues of importance to riparians. The *Michigan Riparian* magazine is a publication of the MLSA and MLSA is a regular contributor to the *Oakland Lakefront* magazine. While your POA is a member of MLSA, individual memberships are also available with significant benefits not otherwise available to organizations. For more information about MLSA, check out their website at www.mlswa.org

LAKE MANAGEMENT BOARDS:

Each of our lakes has its own separate Lake Management Board (LMB) which oversees lake management practices including weed harvesting, chemical applications and water quality analysis. Each lake LMB has its own “special assessment district” (SAD) established by Bloomfield Twp. for purposes of assessing and collecting an assessment each summer for your pro rata share of the cost of that year’s lake management activities. Please be advised that ***Your POA is separate and distinct from your Lake Management Board.*** Each LMB meets as necessary but at least once every four years and each resident receives notice of these meetings. It is the responsibility of the LMB to decide what kind of weed control to use and how much. As a riparian, you can have a voice in this process by attending your lake’s LMB meeting or by contacting the members of your lake’s LMB (below).

The following are members of all the Lake Boards in Bloomfield Township:

Dani Walsh, Bloomfield Township Supervisor (dwalsh@bloomfieldtwp.org)
Martin Brook, Bloomfield Township Clerk (mbrook@bloomfieldtwp.org)
Jacy Garrison, Oakland County Drain Commission (GarrisonJ@oakgov.com)
Chuck Moss, Oakland County Commissioner (mosscc@oakgov.com)

In addition, POA Board members of the respective LMBs are:

<u>Lake</u>	<u>Name</u>	<u>Address</u>	<u>Phone (248)</u>
Island	Ned Greenberg	1577 Island Ln	757-2350
Lower Long	Mike Vlastic	1211 Club Dr.	760-0174
Forest	Steven Grekin	1350 Lochridge	705-9102

If you have a question or concern about weed harvesting (especially when harvesting is occurring), you should contact your local resident member above or the harvester indicated below.

WEED HARVESTING: There are many types of naturally occurring weeds in our lakes. However, left alone even naturally occurring weeds tend to take over shallow areas in lakes through a process known as eutrophication in which weeds grow in summer and then die in the fall with dead weeds accumulating as muck on the lake bottom which is a natural fertilizer perpetuating the cycle.

Good lake management practices include removing as much of this bio mass matter, and weed harvesting is a primary method of doing so. However, to maintain a healthy environment for fish and other aquatic life, which depend on aquatic weeds for nutrition and nesting, not every area of our lakes is harvested. Instead, we concentrate on shorelines and other shallow areas and leave ample areas un-harvested to help support healthy aquatic life.

Lake weeds will continue to grow as long as water temperature is in the mid 50's or higher and ambient sunlight is around twelve hours per day both of which typically occur in late September. Accordingly, it is still beneficial to harvest after the traditional boating season ends (i.e., Labor Day) since the objective of lake weed harvesting is to remove as much bio-mass as possible.

Following is this year’s approximate weed harvesting schedule. (Dates are tentative and subject to weather and other conditions):

	Island Lake	Lower Long Lake	Forest Lake
1st Harvest	June 1-8	1st week in June	Early June
2nd Harvest	July 19-26	3rd week in July	Mid / late July
3rd Harvest	Aug. 30 - Sept. 7	1st week in Sept.	Late August
Harvester	Ty at Oakland Harvesters	Ty at Oakland Harvesters	Mike Mogle
Contact	(248) 886-4465 or (248) 767-7822		(239) 272-8219

Prior to each harvest, please plainly mark at the deep water end all sprinkler intake pipes, hoses, filters or any other area that the harvester should avoid such as something manmade or floating in or on the water or on the lake floor. Please remove any tree limbs or other debris that may have fallen in the water from your property that may obstruct access to shallow water areas to be harvested.

The harvester is not obligated to harvest closer than five (5) feet from any raft, dock, boat, platform or other obstruction. Harvesting is not effective in less than 18”-24” of water typically found near shorelines.

If you believe that damage has been done to your property by the harvesting operation, please contact the appropriate harvester contact per the above. The contractor may not be responsible for damage or repairs not reported in a timely manner. Finally, please be advised that ***launch sites are not available for resident’s use during harvesting.***

FERTILIZER USE

FERTILIZER USE: State law restricts the use of phosphorus based fertilizers to new lawns and golf courses only. In addition, Bloomfield Twp Ordinance 621 monitors commercial fertilizer applicators in compliance with the new state law. For more information including a listing of lake-safe fertilizer applicators and retail outlets, visit the Bloomfield Twp. website at www.bloomfieldtwp.org and follow the FLOW or FERTILIZER links. Or contact the Bloomfield Twp. Water & Sewer Dept. at (248) 433-7731.

Please be aware that as riparians, the absolute best eco-friendly answer to the question of lawn fertilizer use is **NOT TO USE ANY LAWN FERTILIZER AT ALL** as its inevitable run-off into our lakes undoubtedly contributes to weed growth, lesser water quality and algae blooms. Using lake water to irrigate your lawns and gardens assures a natural nutrient rich fertilization every time you water and it's very cost effective! However, if you must use fertilizer, choose a no phosphorus/slow nitrogen release formula.

One way to avoid irrigation and rain water runoff into our lakes is to have a natural barrier or "greenbelt" along the water front at least to ten (10) to fifteen (15) feet wide instead of grass. Greenbelt alternatives include: natural grasses (which should not be mowed), wildflowers, plant groundcovers, ferns, perennials and shrubs.



NO MOTOR BOATS ON OUR LAKES

NO MOTOR BOATS ON OUR LAKES: Bloomfield Twp. Ordinance 211 prohibits the use of gas motorboats on lakes in Bloomfield Twp. If you see a gas powered motor boat or jet ski or other gas powered boat or personal water craft on our lakes, write down the registration number of the boat (usually on the upper front hull) and contact the Bloomfield Twp. Police at (248) 435-7755. Both Bloomfield Twp. Supervisor Leo Savoie and the Police Department have given us assurance that complaints **will be investigated** but the boat registration number **is necessary** in order for the police to complete the identification process and to initiate an investigation. Also, if you navigate our lakes in a new higher powered electric, try to stay at least 100 feet off-shore due to the increased danger to swimmers and damage to shorelines from wakes posed by faster boats. Please boat safely at all times!



The advent of high speed electric powered boats has raised issues such as speed limits, no wake zones, etc. on our lakes. Please be advised that your POA Board is actively working with the Bloomfield Twp Board of Trustees in addressing these issues. More information will be forthcoming and available on the POA website at ILFPOA.com and possibly at our **Annual POA ZOOM Meeting Thursday, July 8, 2021 at 7PM.**



UNPAID DUES

Pursuant to a vote of the POA Board and the POA general membership in 2002, the POA may file a lien for unpaid dues on residences for which annual dues are unpaid for at least three years through 2019. In addition, the POA Board and general membership have agreed to publish the names and addresses of chronic non-payers. If you are interested in knowing which of your neighbors has not consistently paid dues over the last few years and/or for whom a lien has been filed at the Oakland County Clerk's office, please contact Terry Counihan.

OUTSIDE NOCTURNAL LIGHTING & ALGAE

(from: *MLSWA Newsletter, March 2008*) Recent studies show that light pollution around lakes (i.e., night illumination on lake surfaces) inhibits zooplankton (small water borne invertebrates that ordinarily rise to feed at night) from eating surface algae, causing algae blooms that kill off aquatic life and lower water quality. So, do your part for the environment and your lake by using lights that never shine or reflect across a lake surface. Make sure your outdoor lights are only on when needed. Finally, reduce the wattage of exterior bulbs near the lake front.

LAKE RIGHTS

Our lakes are our private property and are intended to be for the enjoyment of resident riparians and their families and guests. There is no public access on any of our lakes. Nevertheless, it has happened in the past that unauthorized individuals have gained access to our lakes. If you see someone you don't recognize using our lakes, or if you see anyone abusing the lakes in any way, be sure to write down the license number or boat registration number (see: **NO MOTOR BOATS ON OUR LAKES**) and then contact Bloomfield Twp. Police at (248) 433-7755. Our complaints will be investigated, but it is up to us to assist the police in the process of identifying the perpetrators. Also, after using your lake's launch site to put in or take out your boat, be sure to close and lock the gate when you are finished.

LAKE WATER QUALITY TESTING

Since 2002, we have hired an independent laboratory to conduct qualified professional testing of each of our lake's water. Our lake's water is tested five (5) times each summer season for pH, electrical conductivity, dissolved oxygen, dissolved solids, fluoride, chloride, nitrates, nitrites, phosphates, sulfates, and chlorophyll-A. You can view the archived copies from prior years at the Bloomfield Twp. Library. Or for a complete view of 2019 and 2020 test results, see our website at ILFPOA.org. A summary of Lake Pro's report for each of our lakes is included elsewhere in the newsletter. For 2021, *LakePro Inc* has again this year been hired to evaluate our lake(s) water quality. A representative from *LakePro*, will attend our **Annual POA Meeting on Thursday July 8, 2021 via ZOOM at 7PM** to provide insights and to address any concerns you may have about the quality of our lake water.

BOAT STORAGE

Bloomfield Twp. Ordinance 265/394 prohibits the winter storage of boats outside on residential property. Please be advised that this ordinance will be enforced and that violators will be subject to a \$50.00 fine levied by the Bloomfield Twp. Police Department.

LAKEFRONT LANDSCAPING

To prevent runoff of potentially harmful discharges, leaves, grass clippings etc. into our lakes, a lakeside greenbelt is recommended. A greenbelt is a strip of land along the lakeshore of at least ten (10) feet wide made up of your choice of natural grasses, wildflowers, plant groundcovers, ferns, perennials as well as bushes and shrubs. For more information, visit:
www.mlswa.org.



ZEBRA MUSSELS

In the late fall of 2011, Zebra Mussels were identified in Lower Long Lake for the first time along the south, east and northeast shorelines.



Zebra Mussels are an invasive species that have now spread throughout the Great Lakes and many inland lakes in Michigan and elsewhere. Zebra Mussels are voracious *filter feeders* and their presence creates two main concerns: first, they will effectively filter so much microscopic food out of a lake that it can change a lake's ecosystem as a whole. Second, they will attach themselves and clog your irrigation inlet pipe as they need hard surfaces to cling to.

Unfortunately, there are no practical ways to prevent or control the spread of Zebra Mussels. They seem to be here to stay. If you encounter Zebra Mussels, handle with care as their shells can be sharp. After removal from your dock posts, boat bottom or other hard surface, be sure to dispose of Zebra Mussels as you would any other yard waste (i.e., leaves, grass clippings, etc.). For more information see: http://fl.biology.usgs.gov/Zebra_musselFAQzebra_mussel_faqs.html

Lake Launch Sites

When launching or removing your boat on Island Lake, contact Ned Greenberg for outlot gate lock combination. For Lower Long Lake, contact Mike Vlasic. The Forest Lake boat launch is at Forest Lake Country Club. The key is held by the Club General Manager, Jackie Polly who can be contacted at 248-332-8300. If you have trouble reaching any of the above, call POA Board member Terry Counihan. Please be sure to close and re-lock the gate after using it. Also, please be reminded that launch sites are not marinas and must not be used for boat storage of any type. Any boats or other equipment left at any of our launch sites will be removed at the owners expense.

For your information, the POA owns and maintains the Lower Long Lake launch site. The POA has an easement and a management contract to maintain the Island Lake launch site. Forest Lake Country Club (FLCC) which is a member of our POA, owns the Forest Lake launch site. Although the POA helps to maintain all three of these launch sites, it is important to treat all of these areas as if they were your own and to remember that as far as the Forest Lake site is concerned, we are able to use the launch site due to the good and beneficial nature of our neighbors. Please, do not do anything to jeopardize this!

This year, your POA is planning on rebuilding the Island Lake and Lower Long Lake launch sites. Please excuse the inconvenience of non accessibility to those sites for a few days later this summer.



ROAD MAINTENANCE & REPAIR

Needless to say, the exceptionally harsh winter we recently endured has taken its toll on our roads. Please be patient, however, as repairs are in the works! As to *Who Fixes Which Roads*, let me explain: (1) major thoroughfares such as Square Lake Rd., Long Lake Rd., Franklin Rd. and Telegraph are the responsibility of the Oakland County Road Commission. Questions or concerns can be called in to Oakland County Customer Service at (248) 858-4804. (2) Bloomfield Twp. maintains most streets in our area; at least all of those streets identified with green signs and white lettering. For these, Noah Mechalski is BT Public Works director and he can be reached at (248) 433-7700. (3) All other roads are considered private roads and are the responsibility of resident homeowners, and not Bloomfield Twp. or Oakland County.

We envision a world where every heart experiences God's transforming love. This is what our mission statement tells you but we are also a part of your community and we invite you to learn more about us!

The Kirk in the Hills pastors and staff are thrilled to have in-person worship getting back to normal! We have a Communion service at 8:00 am, a Garden Service and Sunday School at 9:00 am and a Sanctuary service at 10:00 am on Sundays. We also have coffee hour which runs from 9:30-11:30 am which is a great way to socialize and meet people. We welcome you to join us and encourage you to call the church at (248) 626-2515 if you have any questions.

If you would like to sample our worship services from home, please check out our streaming options. Go to our website—kirkinthehills.org—and look for the *Worship From Home* box on the Homepage (under the Worship tab) or you can watch from your Facebook page.

Our much-anticipated *Carillon Series* begins on June 19. We will have Saturday Drive-in concerts from 7:00-7:30pm through August 28. On Sundays, the concerts will run from June 20-August 29 from 9:35-10:00 am.

We have Bible studies, youth groups, a wonderful choir program for children, youth and adults, groups for seniors and numerous opportunities to participate in mission work. If any of these appeal to you, feel free to pop on over, call or check the website for more information. The church is open!

Exciting things are happening over here these days! We have two new pastors; Rev. Kelsey Sorge, and Rev. Edwin Estevez joining Senior Pastor, Nate Phillips and Senior Associate Pastor, Angela Ryo. The church is abuzz with energy, new ideas and activities.



LAKE MANAGEMENT UPDATE:



LakePro continues to provide lake management services on Island, Lower Long, and Forest Lakes. The following is a summary of the lake management efforts on each lake:

ISLAND LAKE

On April 30th, 2021, LakePro completed the Spring Water Quality Analysis on Island Lake. During this visit, we performed field tests and collected water samples for analysis in the lab.

Notes

We had a 16' aluminum boat on site and launched from the association's launch. We were on the lake from 2:15 PM until 3:10 PM. It was 52°F and sunny with high winds during testing.

The parameters tested were: Temperature, Dissolved Oxygen, Transparency, Total Phosphorus, Phosphate, Nitrate-nitrogen, chlorophyll a, pH, Total Dissolved Solids, Conductivity, Alkalinity, Sulfate, Fluoride, and Chloride.

With the exception of transparency, all parameters within the target range.

Transparency was lower than the target range, measuring an average of 3.3 feet. Although low, this reading is typical for Island Lake this time of year. We know the transparency typically improves into the target range over the course of the summer and continues to show an improvement each of the last two years.

Historical Comparison

We are happy to see that the overall water quality results have shown a relatively flat trend for each parameter since 2018. While this trend is a positive, total phosphorus and transparency have always been two items that we have kept a close eye on.

Total phosphorus has tested toward the higher end of the target range, even surpassing the target range in the past, but levels have remained flat since 2017. High phosphorus levels can lead to eutrophication and undesirable algal blooms. The best way to reduce phosphorus levels is to prevent them from entering the lake. One way to mitigate this is to encourage responsible land use among the lake residents, especially when it comes to the use of fertilizers. Maintaining a minimum distance of 30 feet from the waterbody during applications, avoiding fertilization of steep slopes, and letting natural vegetation buffer strips grow along the shoreline are all recommended methods to reduce fertilizer runoff.

Even with the transparency improving the past two years, overall, the annual average has been on a downward trend since 2002. One large contributing factor to the low transparency in the spring is the chlorophyll produced by planktonic algae and cyanobacteria in the lake. This is a direct relation to the higher phosphorus levels as those also contribute to the growth of cyanobacteria and planktonic algae.

LOWER LONG LAKE

On April 30th, 2021, LakePro completed the Spring Water Quality Analysis on Lower Long Lake. During this visit, we performed field tests and collected water samples for analysis in the lab.

Notes

We had a 16' aluminum boat on site and launched from Forest Lake Country Club at 11:40 AM. We were on the lake from 11:50 AM until 12:50 PM. It was 50°F and sunny with high winds during testing.

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The parameters tested were: Temperature, Dissolved Oxygen, Transparency, Total Phosphorus, Phosphate, Nitrate-nitrogen, chlorophyll a, pH, Total Dissolved Solids, Conductivity, Alkalinity, Sulfate, Fluoride, and Chloride.



With the exception of Total Phosphorus, all parameters were within the target range.

Total Phosphorus was slightly high but not to a level of concern.

Historical Comparison

Over the last two years, water quality results have been good for Lower Long Lake. One area we continue to monitor closely is the total phosphorus. Although it has been within the target, it has been on the high end of the range. High phosphorus levels can lead to eutrophication and harmful algal blooms. The best way to reduce phosphorus levels is to prevent them from entering the lake. To do this, residents should use their land responsibly and use caution when applying fertilizers.

FOREST LAKE

On April 30th, 2021, LakePro completed the Spring Water Quality Analysis on Forest Lake. During this visit, we performed field tests and collected water samples for analysis in the lab.

Notes

We had a 16' aluminum boat on site and launched from Forest Lake Country Club at 11:40 AM. We worked on Lower Long Lake first and moved to Forest Lake from 12:50 to 1:40 PM. It was 50°F and sunny with high winds during testing.

The parameters tested were: Temperature, Dissolved Oxygen, Transparency, Total Phosphorus, Phosphate, Nitrate-nitrogen, chlorophyll a, pH, Total Dissolved Solids, Conductivity, Alkalinity, Sulfate, Fluoride, and Chloride.

With the exception of Total Phosphorus and Chloride, all parameters were within the target range.

Total Phosphorus and Chloride levels were both slightly high but not to a level of concern.

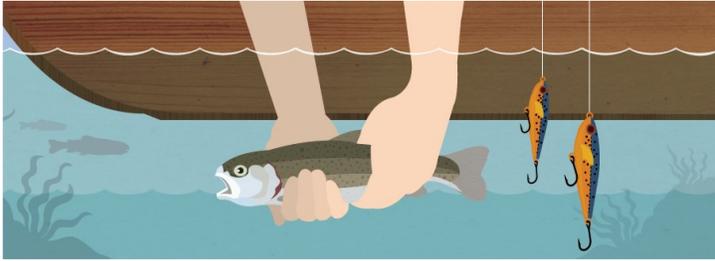
Historical Comparison

Both were also improved compared to this time last year. Historical Comparison Over the last two years, the water quality has improved for both total phosphorus and chloride. We will continue to watch both of these closely but they are trending in the right direction. All other parameters have remained relatively flat and inside their target range.



CATCH AND RELEASE

As you are probably aware, all three (3) of our lakes have an abundance of fish life, especially smaller species such as blue gills and crappies and not nearly enough larger fish including bass and pike. Be a good neighbor and abide by a catch-and-release policy as it relates to catching and releasing larger fish on our lakes. Be sure to advise your guests fishing on our lakes of our catch and release policy as well.



FOREST LAKE COUNTRY CLUB

FLCC is a long standing member of our community and a member in good standing of our POA paying dues and helping to maintain the Forest Lake boat launch site. A fair number of POA residents are already members. A variety of memberships are available this year at FLCC. To take advantage of FLCC's outstanding dining and recreational facilities (e.g., golf, tennis, swimming, exercise equipment, Jr. programs, etc.) feel free to contact Jackie Polly, FLCC GM at (248) 332-8300.



CONSTRUCTION & MAINTAINANCE HOURS OF OPERATION

Please be a good neighbor and restrict construction and lawn maintenance activities at your home to between the hours of 8am & 7pm Monday-Saturday.



GOOSE CONTROL



As in prior years your POA-BOD has hired an outside firm, **Goose-Busters** to conduct Michigan DEQ approved **goose egg retrieval** in late April. This year, Goose-Busters removed (via **retrieval**) a record 285 goose eggs! **Goose round-up** is also managed by **Goose-Busters** and occurs in mid/late June. Between the two goose control practices, we average about 200 geese taken annually with a high of

321 in 2016 and a low of 112 in 2005. With 285 already *in the bag* via goose egg retrieval, we can reasonably expect a record year in 2021 of geese harvesting!





DON'T FORGET!!!
OUR POA ANNUAL MEETING!
THURSDAY, JULY 8TH, 2021 at 7:00 pm
via ZOOM

To attend go to: Zoom.com and click on *Join A Meeting*. The Meeting ID is: 863 1952 2889 and the Passcode is: 984234. Or, use the Zoom meeting link on our website at ILFPOA.com.

