

# THE GLQO WATERSHED JOURNAL



*The Gull Lake Watershed includes Gull Lake, Little Long Lake, Grassy Lake, Little Gull Lake, Miller Lake, Bullhead Lake, Duck Lake, Backus Lake, Dake Lake, Elliston Lake, Mud Lake, Wintergreen Lake, and Prairieville Creek.*

## Cooperative Lakes Monitoring Program Reports Are In!!!!

According to MiCorps' website, "The Cooperative Lakes Monitoring Program (CLMP) has been an important component of Michigan's inland lakes monitoring program for over 40 years, which makes it the second oldest volunteer monitoring program for lakes in the country. The primary purpose of this cooperative program is to help citizen volunteers monitor indicators of water quality in their lake and document changes in lake quality over time."

For 11 years, volunteers have been monitoring Gull Lake and Little Long Lake. They begin monitoring the water each year, within two weeks of "ice out." Measurements are taken from this time to September. Volunteers measure the following:

- Transparency/Secchi Disk
- Total Phosphorus
- Chlorophyll *a*
- Dissolved Oxygen and Temperature
- Aquatic Plants
- Shoreline Health: Score the Shore

Observing long-term trends of these parameters can help us understand if the amount of algae (lake eutrophication) is increasing in the lake over time. High phosphorus, high chlorophyll, and low transparency can be signs of:

- Undesirable algae blooms
- Poor boating and swimming
- Low dissolved oxygen which can cause fish kills

The CLMP uses Carlson's Trophic Status Index to classify lakes. The following three pages provide the CLMP results for each lake and an explanation of the Trophic Status Index. The complete reports for 2019 can be found at [glqo.net](http://glqo.net).

## Spring 2020

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*The Gull Lake Quality Organization is an all-volunteer organization. Our mission is to address concerns and provide education regarding the use of natural resources of the Gull Lake Watershed.*

*This year, the Cooperative Lakes Monitoring Program was not funded through the State of Michigan. On a positive note CLMP did receive state funding for the 2020-2021 through the 2020-2025 seasons.*

**GLQO is continuing to monitor both Gull and Little Long Lakes.** *Because of the generosity of the GLQO members, the necessary testing equipment was purchased by the organization. An independent lab will analyze the results from this season's water samples.*

# Cooperative Lake Monitoring Program – Gull Lake

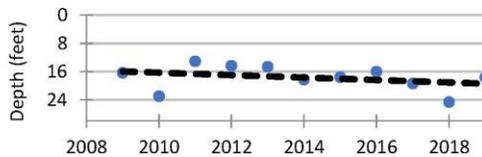
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## Gull Lake, Kalamazoo County 2019 CLMP Results



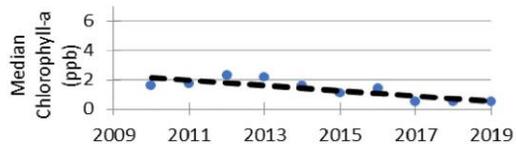
### Secchi Disk Transparency (feet)

Year	# Readings	Min	Max	Average	Std. Dev	Carlson TSI
2019	13	8.5	37.0	17.6	9.4	36
2014-2018	70	7.0	42.5	17.6	8.6	35
2009-2013	98	6.5	36.5	16.2	7.1	37
2019 All CLMP Lakes	3392	1.5	50.0	12.8	5.8	42



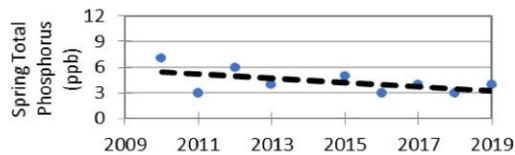
### Chlorophyll-a (parts per billion)

Year	# Samples	Min	Max	Median	Std. Dev	Carlson TSI
2019	5	<1.0	2.3	<1.0	0.9	<31
2014-2018	25	<1.0	3.0	1.1	0.6	32
2010-2013	17	<1.0	3.4	1.1	0.9	37
2019 All CLMP Lakes	635	< 1.0	42.0	2.2	3.4	39



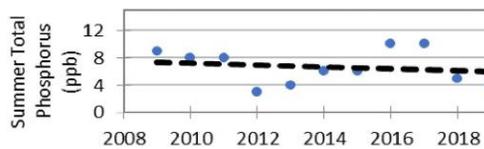
### Spring Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev
2019	1	<5 T	<5 T	<5 T	NA
2014-2018	4	<=3 V	5.0	3.8	1.0
2010-2013	4	<=3 V	7.0	5.0	1.8
2019 All CLMP Lakes	220	<= 3	100.0	14.9	11.0

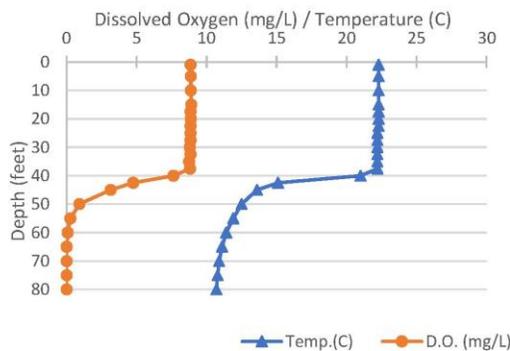


### Summer Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev	Carlson TSI
2019	1	<5 T	<5 T	<5 T	NA	<27
2014-2018	5	5.0	10.0	7.4	2.4	32
2009-2013	5	<=3 W	9.0	6.4	2.7	30
2019 All CLMP Lakes	281	<= 3	65.0	12.8	9.3	38



### Dissolved Oxygen and Temperature Profile 9/23/2019



### Summary

Average TSI	2019	2014-2018	2009-2013
Gull Lake	31	33	35
All CLMP Lakes	40	40	41

With an average TSI score of 31 based on 2019 Secchi transparency, chlorophyll-a, and summer total phosphorus data, this lake is rated as an oligotrophic lake.

The lake keeps some dissolved oxygen in the bottom waters through almost the entire summer, and stratification doesn't develop until the middle of September.

Long term monitoring shows slight downward slopes on the parameters, indicating a very slow movement toward lower nutrient levels in the lake.

\* = No sample received W= Value is less than the detection limit (<3 ppb) T= Value reported is less than the reporting limit (5 ppb).  
 <1.0 = Chlorophyll-a: Sample value is less than limit of quantification (<1 ppb).

# Cooperative Lake Monitoring Program – Little Long Lake

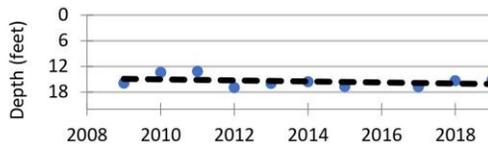
Site ID: 080279

## Little Long Lake, Barry County 2019 CLMP Results



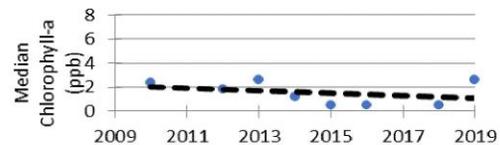
### Secchi Disk Transparency (feet)

Year	# Readings	Min	Max	Average	Std. Dev	Carlson TSI
2019	14	9.0	27.5	15.1	6.2	38
2014-2018	54	9.5	30.5	15.1	5.6	37
2009-2013	61	6.5	27.5	15.1	3.7	38
2019 All CLMP Lakes	3392	1.5	50.0	12.8	5.8	42



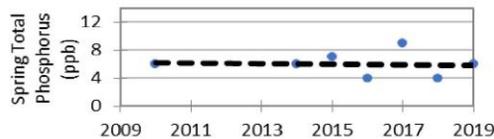
### Chlorophyll-a (parts per billion)

Year	# Samples	Min	Max	Median	Std. Dev	Carlson TSI
2019	5	<1.0	3.4	2.6	1.2	40
2014-2018	22	<1.0	4.5	<1.0	1.2	<31
2010-2013	15	<1.0	3.7	<1.0	1.0	39
2019 All CLMP Lakes	635	< 1.0	42.0	2.2	3.4	39



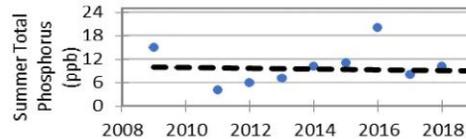
### Spring Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev
2019	1	6.0	6.0	6.0	NA
2014-2018	5	<5 T	9.0	6.0	2.1
2010	1	6.0	6.0	6.0	NA
2019 All CLMP Lakes	220	<= 3	100.0	14.9	11.0



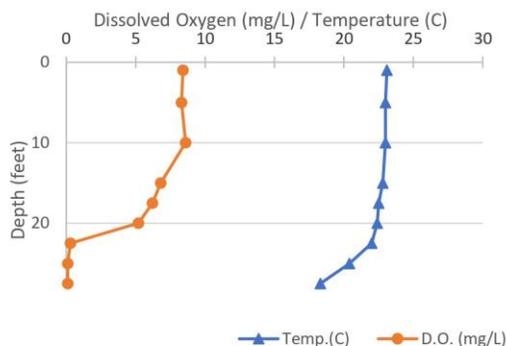
### Summer Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev	Carlson TSI
2019	1	<5 T	<5 T	<5 T	NA	<27
2014-2018	5	8.0	20.0	11.8	4.7	39
2009-2013	4	<5 T	15.0	8.0	4.8	32
2019 All CLMP Lakes	281	<= 3	65.0	12.8	9.3	38



### Dissolved Oxygen and Temperature Profile

8/30/2019



### Summary

Average TSI	2019	2014-2018	2009-2013
Little Long Lake	35	36	37
All CLMP Lakes	40	40	41

With an average TSI score of 35 based on 2019 Secchi transparency, chlorophyll-a, and summer total phosphorus data, this lake is rated as an oligotrophic lake.

Long term trends indicate that the trophic status parameters have not changed beyond minor year-to-year variation since monitoring began.

\* = No sample received W= Value is less than the detection limit (<3 ppb) T= Value reported is less than the reporting limit (5 ppb).  
<1.0 = Chlorophyll-a: Sample value is less than limit of quantification (<1 ppb).

## What is Trophic Status Index?

In 1977, limnologist Dr. Robert Carlson developed a numerical scale (0-100) where the numbers indicate the level of nutrient enrichment. Using the proper equations, we can convert results from Summer Total Phosphorus, Secchi Depth, and Chlorophyll-a to this Trophic Status Index (TSI). The TSI numbers are furthermore grouped into general categories (oligotrophic, mesotrophic, eutrophic, and hypereutrophic), to quickly give us a way to understand the general nutrient level of any lake.

**Oligotrophic:** Generally deep and clear lakes with little aquatic plant or algae growth. These lakes maintain sufficient dissolved oxygen in the cool, deep-bottom waters during late summer to support cold water fish, such as trout and whitefish.

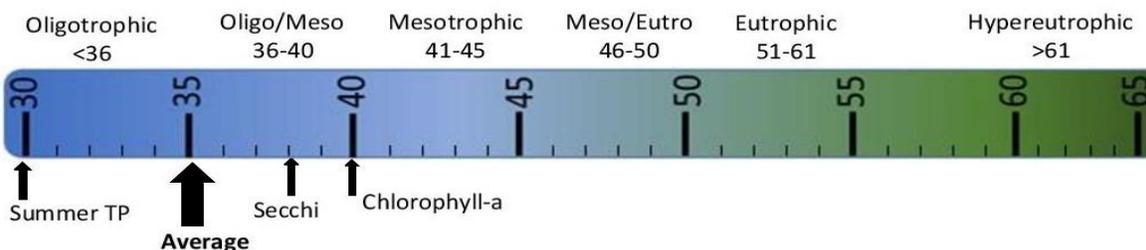
**Mesotrophic:** Lakes that fall between oligotrophic and eutrophic. Mid-ranged amounts of nutrients.

**Eutrophic:** Highly productive eutrophic lakes are generally shallow, turbid, and support abundant aquatic plant growth. In deep eutrophic lakes, the cool bottom waters usually contain little or no dissolved oxygen. Therefore, these lakes can only support warm water fish, such as bass and pike.

**Hypereutrophic:** A specialized category of eutrophic lakes. These lakes exhibit extremely high productivity, such as nuisance algae and weed growth.



TSI for Gull Lake in 2019	
Average	31
Secchi Disk	36
Summer TP	<27
Chlorophyll-a	<31



TSI for Little Long Lake in 2019	
Average	35
Secchi Disk	38
Summer TP	<27
Chlorophyll-a	40

## *GLQO . . . A Membership Reminder*

Recently, reminders were mailed and emailed to all of the members who have yet to renew their membership in 2020. We encourage your continued support for the work of GLQO. Please consider reaching out to your friends and neighbors to invite them to become members as well. Thanks to all of you who are lifetime, annual or corporate members of GLQO.

**To be listed in the summer newsletter, please renew your membership by July 1, 2020.**

*Gregg*

Gregg Pierce, Membership Chair

## **Boater Safety Reminders** *from the Department of Natural Resources*

**All Boaters:** Must stay at least 100 feet from all docks, swimmers, moored boats and swimming beaches except when operating at a slow or no wake speed and when picking up and dropping off water skiers.

**Waterskiing:** Skiers should be towed in a counterclockwise direction. In addition to the boat operator, one other person must be in the boat who is capable of communicating with the operator.

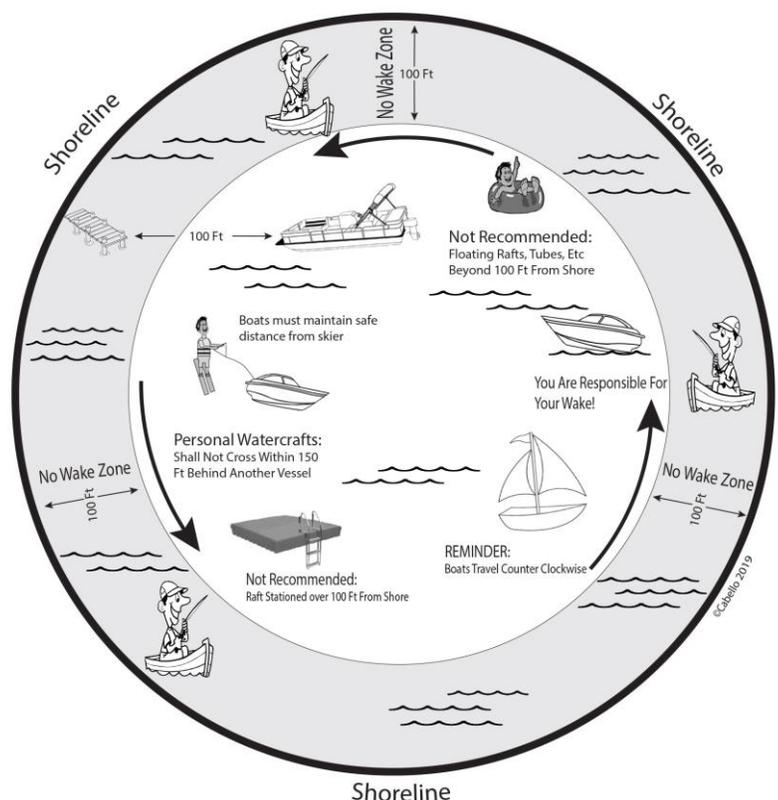
**Personal Watercraft:** No wake jumping within 150 feet of the boat making the wake. No weaving in heavy boat traffic or coming unreasonably close to other boats. They also must comply with the rules for all watercraft.

**Life Jackets:** All boats must have a personal flotation device for each person on board or being towed. Kids less than six years old must wear a Type I or Type II PFD when riding on the open deck area of the boat underway. Each PFD must be in good condition, readily available and the proper size for the intended wearer. Boats, 16 feet or longer, also must carry a throwable device (Type IV PFD), such as a flotation seat cushion.

**No Trespassing:** Do not trespass on privately owned property, including docks and rafts.

**Alcohol/Drugs:** It is unlawful to operate a vessel if you are under the influence of alcohol or drugs.

**Boating Courses:** Boating safety courses are offered by the County Sheriff's Office and the Department of Natural Resources.



*The image on the right is an artist's rendering and not intended for legal interpretation*

## Inland Lakes High Water Levels

*Reprinted with permission of EGLE*

High water levels and flooding have been a common experience across Michigan since 2019. As a result, flooding has negatively affected residents and businesses, including homes, well and septic systems, farms, and roads. The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has been collaborating on projects associated with both short-term and long-term solutions to flooding and responding within our statutory authorities. Water Resources Division (WRD) has the responsibility to ensure that projects are completed in a manner that avoids and minimizes negative impacts to neighbors and the public trust resources of the state, including wetlands, inland lakes and streams. For further information on our wetlands, lakes and streams permitting process please refer to [www.mi.gov/jointpermit](http://www.mi.gov/jointpermit) and the [High Water Levels Wetlands, Inland Lakes and Streams Permitting Fact Sheet](#).

Due to the widespread and prolonged nature of the flooding, many citizens are left questioning why this is happening, what they can do to prepare and/or what they can do to respond when high water or floods affect their homes and businesses. The webpage, [Michigan.gov/WRD](http://Michigan.gov/WRD) is intended to provide some resources for understanding what is happening and how WRD can assist.

Several factors contribute to high inland water levels:

- A wetter than usual summer and fall in 2018 caused higher than normal soil moisture content which limited the infiltration of rain events in the spring of 2019 (i.e., rain could not soak into the ground).
- Larger volume of snow melt-waters in 2019 because of above-average winter snow-pack depths in and higher than normal water content within the snow.
- Above-average spring 2019 rainfall totals, including larger total volume of rainfall, prolonged rainfall events, and very intense individual rainfall events. These occurrences can cause flooding even when pre-existing water levels are normal.
- Record-high water levels on the Great Lakes cause a backwater effect on the rivers that flow into them which in turn back up into the streams, lakes and wetlands that lie upstream of them. The US Army Corps of Engineers in Detroit monitors water levels on the Great Lakes. Weekly updates and water level forecasts can be seen at [www.lre.usace.army.mil](http://www.lre.usace.army.mil). These levels are expected to trend upward.
- All of the above has resulted in higher groundwater levels, higher stream flows, and higher lake levels overall. All of this means water has less places to go, and frequency and magnitude of flooding events can increase.

## The Dam at Gull Lake – An Update

*By Jeff Price, GLDA*

The Gull Lake Dam Association began a capital campaign in May of 2019 to raise funds to replace the 137-year-old dam that regulates the water level of beautiful Gull Lake. The Association contracted with Prein & Newhof, an engineering firm with extensive experience in the design and construction of other dams in Michigan. As part of their initial work, Prein & Newhof prepared a cost estimate of \$670,000, which included a 10% contingency factor. From that estimate, the Association established its initial fundraising goal of \$700,000 and set out to raise those funds.

*Continued on Page 7*

## The Dam at Gull Lake *(Continued)*

Through an extensive volunteer effort, which, most notably, is visible by all of the yard signs around the Lake, the Association succeeded in securing donations from 82% of lake front homeowners and surpassed its original \$700,000 goal (and is still working on the other 18% who have yet to donate!) Although some homeowners have been more generous, the Association accomplished this without asking anyone on the Lake to contribute more than their fair share of \$10/frontage foot.

In December, Prein & Newhof completed the engineering design and put the project out for public bid to obtain hard construction costs for the dam rebuilding project. Unfortunately, their original estimate of cost was significantly less than the lowest of the five actual bids received. In the 19 months between the original estimate and the actual (lowest) bid, the cost increased 41.8%. This increase is largely due to the increased pressure on construction labor costs. As such we currently have a **shortfall of approximately \$267,000 necessary to fund this project**. To lock in even the most reasonably priced bid, **we have to respond to the bid by June 30, 2020**, after which time we will need to re-bid the project. This means that the Gull Lake Dam's capital campaign continues on and it needs the continued support of all homeowners and users.

NEW: Given the adverse impact of the COVID 19 pandemic on the local economy, we are in discussions with Prein & Newhof to reassess the construction bids with the intent of reducing the cost of the project.

## Ross Township Park Transformation

*By Kathy Gallagher*

Recently, I drove by Ross Township Park and saw dozens of "safely distanced" volunteers raking, sweeping, picking up litter, sticks and overall "freshening up" the township park for the summer. Affixed to the fencing was the sign to the right.

My curiosity was piqued.

So, I went directly to the source and Donna Tellam, Chair of the Ross Township Parks Committee, was very willing to share the project scope and progress thus far.



It started in 2014, with the formation of a Parks Committee. Its focus was "on facilitating the development of bike paths. In 2019, the Parks Committee received a new mandate and a dedicated budget to address certain problems related to the safe use of Ross Township Park and repair of park facilities, to improve the quality of Park recreational activities for visitors of all ages, and to restore accessibility."\*

***Did you know that the 5-acre park includes 1 acre of woodlands to hike and 300 feet of beach frontage?***

Donna shared that more than 600 volunteer hours have been invested in addressing maintenance needs at the Park. So far, according to Ross Township's website "a new well and pump were installed, the beachfront

*Continued on Page 8*

## Ross Township Park Transformation *(Continued)*

area was excavated to reduce beachfront erosion, the pump house in disrepair was removed, all picnic tables were refurbished, new swim buoys were purchased, dead and fallen trees were removed, and a nature trail was installed.”

The Ross Township Parks Committee’s efforts have been buoyed by multiple partnerships including a grant through Irving S. Gilmore Foundation for park improvements. The committee also developed partnerships with area organizations, such as Gull Lake Area Rotary Club and Boy Scouts of America (via Eagle Scout projects) which will allow further enhancements to the park to take place.

Future plans\* include:

- A 50-foot beachfront rehabilitation, with seawall, new access points and approximately 10 to 15 foot wide beach area, with barrier-free access at south end of beach and dock
- Providing barrier-free access and ADA accessibility through accessible benches, tables and sidewalks
- Offering play/exercise opportunities and accessibility to attract and serve people of all ages and abilities including a play structure for youth
- Developing a more efficient dock/launch area for kayaks, canoes, and other portable craft
- Building a new pavilion for township residents for family, club and organizational events
- Providing lifesaving flotation devices (e.g., rings), installing (2) safety lighting in the parking area and establishing emergency protocols for park attendants

Other Parks Committee members are Alex Harris, Peggy Sattler, Diana Langshaw and David Senkewitz

*\*Ross Township Master Plan 2020-2025*



*“I thank all of our volunteers and encourage residents to get involved. We are excited about the summer partnerships for the playground and the Eagle Scout Projects. Anyone interested in making a donation for the Scouts can call our Township Hall for more information.”*

Donna Tellam, Chair

Editor’s Note: Consider Donating a Memorial Bench (Pictured Left)

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## EGLE Announces Changes for CAFOs

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has issued a revised general permit for Concentrated Animal Feeding Operations (CAFOs). The permit enhances protection of the public and Michigan's waters from excessive nutrient pollution while maintaining flexibility allowing large farms to cost-effectively manage animal wastes.

EGLE will delay issuance of Certificates of Coverage for the revised general permit for at least 60 days from its effective issuance date of April 1, due to the COVID-19 pandemic. The general permit regulates roughly 260 of Michigan's largest livestock operations.

Excessive runoff to waterways from CAFO waste, applied to farm fields as fertilizer, can contribute to public and environmental health concerns such as algal blooms and bacteria contamination. To protect the public and waters, the state is required to update the National Pollutant Discharge Elimination System (NPDES) general permit covering CAFOs every five years.

The updated requirements aim to reduce the impact animal waste has on the health of the Great Lakes, inland lakes, and rivers. The revised general permit was developed with extensive input from the public. EGLE held three stakeholder meetings, three public information sessions, individual meetings with 50 CAFO permit holders and received more than 2,400 comments during a seven-week comment period. The process included input and guidance from the Michigan Department of Agriculture and Rural Development (MDARD).

Many changes were made to the general permit as a result of important and detailed feedback from interested parties and the public. Among the changes:

- Waste cannot be applied to farm fields in January, February or March when ground is typically frozen and runoff to waterways is more likely.
- The transportation of waste for composting, treatment, or to out-of-state recipients is allowed during January, February and March as long as the waste is not applied to land during those months.
- Electronic quarterly reporting of land application of wastes is required, whether the waste is applied to fields, sold, given away or transferred.
- Waste generators must obtain soil tests from waste recipients before applying it to land to ensure that waste applications to fields are necessary. Allowable levels of phosphorus have been reduced to protect waterways.
- A permit holder can use either the numerical Bray P1 phosphorous limits, with additional permit requirements that protect water quality, or the Michigan Phosphorous Risk Assessment (MPRA) tool to evaluate fields for manure application.
- The level of residual solids in storage structures was changed from 12 inches to six inches. The change is consistent with the United States Department of Agriculture's Natural Resource Conservation Service standards for waste storage structures.
- The permit allows for evaporation in the calculation of waste storage capacity as allowed for in federal regulation.

CAFOs, where hundreds or thousands of animals are raised in a concentrated area, need an NPDES permit to operate.

## *We thank the 2020 GLQO Individual and Family Members*

Anonymous - 8	Todd and Ruth DeNooyer	Janeth Hinchman	Dave and Carolyn Mitchell
Scott and Holly Allen	Maxine DeVrou	Byron and Carol Hodgson	Kay Gross and Gary Mittelbach
Mike and Lou Ann Ambro	Pam Dewey	Susan Houseman and Curtis Hall	Ron and Joan Molitor
Charlotte Ashton	Laurel and Mark Disney	Bruce Hutchinson and Betsy Bastien	William and Phoebe Moreo
Bud and Judi Baldwin	John and Susan Doster	Robert and Amy Isom	Christine L. Mueller
Jack Bargo and Patti Colasanti	Donald and Jeree Drake	Phil and Carey Isom	Michael and Susan Murphy
Anthony Bartalone	Lisa Duffy	Fred and Megan James	Markley Noel
David Battjes	Sid Durham	John and Judith Jereck	Jim and Kristin Nolin
Rick and Kathy Beauregard	Dr. David Dvorak	Steve and Peggy Johnson	Martha Nolin
Bryan and Courtney Beck	Kris and Claire Eager	Diane and Brooke Johnson	Nancy L. and James D. Nordlie
Mac and Susan Behnke	Trey and Becky Eldridge	Si and Shirley Johnson	Kim and Valerie Nuyen
Lynn and Tom Belco	Bonnie and Loyal Eldridge	Susanne Johnston	Amy and Jeff O'Brien
Margie and Bob Berres	Ron Elenbaas	James Clark and Courtney Jones	Billy and Amanda Ogden
Dr. Kevin and Mary Beyer	George Elsener Family	Michael Keenan	Jerry and Max Orum
Gordon and Sally Birdsell	Tom English	Richard and Joan Keilen	Craig and Sue Osborn
Garry Harris and Leigh Blackport	John and Janis Etcorn	Steve and Michalina Keith	Edward Overbeck
Randy and Jan Bonzheim	Carol Leet Fetterolf	John E. Kelly	Nick and Barbara Owings
Dick and Debbie Boris	Alice Fish	Dave and Karen Kempe	Christine McCarthy and Bob Paksi
Debbie Ball and Rod Borton	John and Lorelee Fisher	Rick King and Sue Markus	Don and Ann Parfet
Kappy Boudeman	Ed and Nancy Fitzgerald	Todd Kingma and Betsy Kingma	William and Barbara Parfet
Sherwood and Kathryn Boudeman	Ron and Judy Flachs	Fred and Pat Kinney	Preston and Barbara Parish
Sherwood and Sharon Boudeman	Jack and Patti Fleming	Wes and Susan Kolb	Donald and Sue Paulson
David and Heide Boutell	Dan and Mary Beth Gallagher	Garry and Claire Krouse	Michael and Frances Peikert
Jon and Susan Bowers	Mike and Kathy Gallagher	John and Martha Kuch	Karol Peterson
Brenda and Bob Brenner	Pat and Deb Gallagher	Denise and Mark Lancaster	Stephen E. Pew/ Kathleen M. Keelan Pew
Sharon Brignall	Tom and Mary Jo Gallagher	Lang Family Properties	Alison Pruitt
Joe and Jane Brogger	John and Sharon Garside	Stephanie Larsen	John and Susan Quertermus
Nancy L. Brookins	John Garside, Jr	Jim and Linda Lass	Martin and Carol Ranly
Judith and John Brown	Judy and Jamie Geary	Phyllis Lavene	Alison Thor and Gerald Rapp
Michael and Sara Brundage	Andrew and Kendra Geeslin	Patricia Lawrence	Ann and Jim Rawsky
Nick and Jane Bruns	Karen Geib	Camille Lawrence	Robert and Margo Rebar
Laurie Hanson and Tracy Buck	Jack S. Gesmundo	Suzanne Stimson Leech	Bob and Bina Reed
Fred and Sharon Buckley	Vicki Gesmundo and Mike Marcinek	Wendy and Allen Levy	Eric and Martha Reid
Roger Buddig	Elizabeth Getz	John and Rita Light	Dave and Shelly Reynolds
John and Miki Budnick	Steve and Elaine Ginsberg	Howard D. Linders	Robert D. and Mary Jo Rial
Keith Buell	Don and Janet Gladstone	Eric and Charlene Longman	Brian and Jackie Rice
Robert and Belinda Bullard	Jim and Bonnie Gordon	Mandy and Sue Lovelady	Mark and Marymarie Rice
Randy and Karen Byrd	Gary and Pam Granger	Joe and Madison Lukeman	James C Ritz
Janet and John Carrig	Joni Green	Judy Maier	Wendy and Doug Robbins
Richard and Joanne Chamberlin	Jim and Bonnie Grooters	Linda Markham	Robert Rowe
John and Susan Chrisman	David Gruss	Joe and Kristine Mauro	Bill and Jane Ryan
David and Kathy Christ	Frank and Diane Guarisco	Ed and Nancy McCarty	Brad and Rene Saar
Gary J. Cirulli	Gull Hills Tract Spring Channel Dock Assoc	Tom and Valli McDougle	Jim and Michelle Sahli
Wanda G. Clawson	Bill Gust	Russ and Connie McFee	Tom and Judy Schau
Bonnie Cleasby	William Guzy	JB and Alba McKay	Steve and Gina Schau
Linda Cohen	David and Michelle Halley	Bob and Mary Mellema	Charlene and Gregory Schofield
Jim Collier and Stuart Verseman	Pete and Margaret Hamlett	William and Joyce Melvin	Bill and Margie Schultz
Bob and Paula Cook	Jeff Price and Sue Harrison	James and Amy Melvin	Sam Sefton
Alison and Rob Credit	Henry B. Hawk	Nick and Julia Miladore	Mary Seyka
Sally and Randy Crockett	Pete and Jo Hawk	Robert Millard	Tom Shannon
James A. Cupper	Jim and Marsha Heath	Kate Miller	Michael P. Sharp
Jim and Barb DeKruyter	James and Patricia Heilenbach	Kevin and Elizabeth Miller	
Al and Lisa DeLucia	George and Arla Hillebrand		

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 Julie Shaw  
 Jennalie and Joel Shepherd  
 Richard and Johanna Shields  
 Linda Shierlaw  
 Bruce and Kathy Shurtz  
 Nick and Abby Skwiat  
 Michelle and Greg Smith  
 Pete and Diane Czuk Smith  
 Doug and Deidre Smith  
 Joyce Snow  
 Carl and Cherie Spinden  
 James Stahl  
 Spencer and Carolyn Stiles

Charles Stoddard  
 Harry and Tineke Stolt  
 William D. Johnston and  
 Ronda E. Stryker  
 Carol Tedrow  
 Gary and Karen Theisen  
 Ron and Edna Thompson  
 Bill and Carolyn Ticknor  
 David and Carol Ticknor  
 Isobel and Matt Tracy  
 Chris Tracy and Michelle Tracy  
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 Jerry and Margaret Trepanier  
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Roger and Jeanne Turner  
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 Bo and Mel Van Peenan  
 Amy Upjohn and  
 Brad Vandenberg  
 Jon and Courtney Vander Molen  
 John and Cathryn VanderSalm  
 Michelle and Peter VanWormer  
 Dan and Carol Vogt  
 Jay and Stephanie Walbridge  
 Barb Walker  
 Dana Walters

Molly and Tim Wang  
 Donna and Dan Weaver  
 David and Lee Weiss  
 Bob and Lori Wheelright  
 David and Cindy Wiedemer  
 Brook and Emily Wilke  
 David P. Wilson  
 Brian and Teri Winne  
 Stephen and Linda Winquist  
 Tammy Woodhams  
 Doug and Jackie Wunderly  
 Monica Yesh  
 Ron and Sonya Young

*We thank the 2020 GLQO Corporate Members*

- Bell Tower Lake House Living Co**
- Gull Lake Ministries**
- Hawks Hollow Builders**
- Michigan Lawn Services, Inc.**

**Not Yet A Member? Join GLQO on-line at [GLQO.net](http://GLQO.net)**

Every effort is made to report member's names as you have requested. If you see an error, please email [info@glqo.net](mailto:info@glqo.net).

**FREE FISHING WEEKEND RETURNS!**

Two days twice a year, families and friends can enjoy one of Michigan's premier outdoor activities, Michigan Fishing, for FREE! The 2020 Free Fishing Weekend for summer: June 13 & 14.



All fishing license fees will be waived for two days. A Recreation Passport will NOT be required for entry into state parks and boating

access sites during Free Fishing Weekend. Residents and out-of-state visitors may enjoy fishing on both inland and Great Lakes' waters for all species of fish. All fishing regulations will still apply.

**Happy 105<sup>th</sup> Birthday Betty McCarty!**



Thanks to everyone who joined the birthday parade on April 22 in honor of Mrs. McCarty! Mrs. McCarty has spent almost 105 years at Gull Lake!

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# The Gull Lake Quality Organization

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P.O. Box 144 / Richland, Michigan / 49083

Website: [glqo.net](http://glqo.net)

Contact: [info@glqo.net](mailto:info@glqo.net)



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## Upcoming Events

*Free Fishing Weekend*

*June 13 & 14*

*GLQO Board Meeting*

*Tuesday, July 14, 2020*

*Location: Virtual or Gull Lake Ministries*

*Annual Meeting - Tentative*

*Tuesday, August 4, 2020*



***The Annual "Welcome To Summer" Party is being postponed.***

***GLQO is hoping to host this fun event later in the summer, perhaps in conjunction with the GLQO annual meeting!***

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## 2019-2020 Board of Directors

Vicki Gesmundo Marcinek (20-2)

**President**

Sera Gesmundo (22-1)

**Vice President**

Gary Mittelbach (20-1)

**Secretary**

Don Paulson (20-2)

**Treasurer**

Bryan Beck (20-2)

John Etzcorn (22-2)

Kathy Gallagher (20-2)

Mike Gallagher (20-2)

Joe Lukeman (20-1)

Steve Keith (20-1)

Joe Mauro (22-1)

Dustin Perrin (22-1)

Gregg Pierce (20-1)

Margo Rebar (22-1)

Linda Shierlaw (22-2)

Doug Smith (23-1)

Brook Wilke (20-1)

*GLQO by-laws allow volunteers to serve as directors for two consecutive three-year terms. After each Director's name are two numbers: the **year** their current term expires, and the **number** of the current term.*

*We welcome you to volunteer for committee work (of your choice) and to participate in our board meetings.*

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***The Gull Lake Watershed includes Gull Lake, Little Long Lake, Grassy Lake, Little Gull Lake, Miller Lake, Bullhead Lake, Duck Lake, Backus Lake, Dake Lake, Elliston Lake, Mud Lake, Wintergreen Lake, and Prairieville Creek.***

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