

Caribou Lake Property Owners' Association

Newsletter

E-mail: CLPOA.MN@gmail.com

Website: <https://caribou.mnlakesandrivers.org>



Southwest Outlook - Photo by Sarah Schwab

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Greeting from the CLPOA board. With Covid -19 preventing us from having in person membership meetings, we are attempting to keep our membership informed of lake matters through the use of newsletters. Our March, May and July newsletters have been saved on our website in case you missed one. In this issue we will present reports that would have been given at the annual fall meeting which was cancelled through an abundance of caution over the rise of the Delta variant. The board remains engaged on lake issues utilizing video conferencing and email correspondence.

The results of our recent board member elections are in. We are pleased to announce the addition of three new board members, **Jeanne Anderson, Charlie Austin and Mike Nicklow**. Returning board members Fred Morris, Julie Bittinger, Bill Dunn, Sharon Hexum-Platzer and Larry Mullen were re-elected for another term. Board members whose terms were not up were Tom Rider, Karl Karst and Bob Reid. That gives us a healthy board of eleven members.

CLPOA is working to continue the Subordinate Service District (SSD), outlined in our July newsletter. The September 14 public hearing on the matter was moved to December 14. The county needs the additional time to dissolve the existing SSD and create a new one, due to boundary changes. The SSD funds our water sampling and aquatic invasive species (AIS) prevention & detection activities.

Notes from the Board

Cook County Coalition of Lake Associations

By Irene Mullen, CCCoLA Chair

Preserving, Protecting Participating the lakes of Cook County

Website: <https://cookcountycola.mnlakesandrivers.org>

Some of the highlights of this year for CCCoLA

- Matt Weberg, DNR fisheries, shared "Lake Summary" updates for our members lakes which are posted on the CCCoLA website.
- John Craddock, Geology Professor, Macalester College, presented how the calcium in our lakes is being produced by humans, not by the soil or rocks of Cook County. The how and why in the use of calcium chloride on our gravel roads information was shared by the Cook County Highway Department. See the Q&A at: <https://cookcountycola.mnlakesandrivers.org/wp-content/uploads/2018/03/Calcium-application-on-county-roads.pdf>. Calcium is tested twice each summer on Caribou.
- Amanda Weberg, Cook County AIS reported out boat inspection data for the last five years. This information is posted on the CCCoLA website.
- Justin Mayne, Arrowhead Electric, met with and answered questions regarding Right of Way clearing and herbicide spraying. See Q&A: <https://cookcountycola.mnlakesandrivers.org/wp-content/uploads/2018/03/8-30-21-Arrowhead-Questions-CCCoLA.pdf>
- Amy Wilfahrt, USFS, presented on the large wood project which is creating fish habitat with fallen trees in Pike Lake (other lakes have included Wilson, Claire, and Swamper). Amy's presentation can be viewed at: https://youtu.be/ebVi_q701-Q

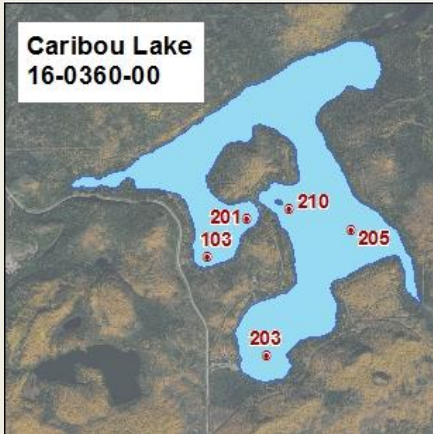


- Ilena Hansel, Cook County Soil & Water Conservation District, reported that with the help of numerous volunteers, Cook SWCD continued to monitor lakes this summer including Bearskin, Birch, Clara, Clearwater, Devil Track, East/West Twin, Gunflint, Hungry Jack, Loon, Pike, Poplar, Tom, and Ward Lakes. Cook county SWCD is grateful for the volunteers' continued efforts in monitoring and keeping the waters clean. As always, please reach out to the SWCD, if you have questions about water quality, erosion issues, forestry, and general conservation questions. The District is reorganizing staff assignments and will be assessing needs of lake associations.
- Karen Evens, MN Pollution Control Agency, highlighted a number of issues to be aware of including: the Rainy River Watershed report which is open for public comment, and a public meeting on October 5, 2021, regarding the Lutsen Ski Hill development/expansion plan. MPCA received \$75,000 in federal funding for the Lake-wide Assessment Management Program (Lake Superior/inland lakes) that will focus on Two Harbor's near shore bacteria pollution.
- Information was shared from Susan Perrine Schubert about concerns relating to MN DNR contracting with an entity to develop a system of state touring routes and trails for off-road vehicles that includes part of Cook County. It is challenging to get information from the DNR about specifics of this arrangement but they state they will develop a management plan.

Lake Sample Results

by Larry Mullen

Water Quality Sub-Committee



Our lakes samples were again taken four times this year at our five historical sites.

Phosphorus, chlorophyll-a and secchi readings all are within our set goals

Oxygen levels remain good and are consistent with other years.

We have been taking calcium readings for the last 6 years. Readings show a slight steady rise. (15mg/l is needed to support Zebra Mussels)

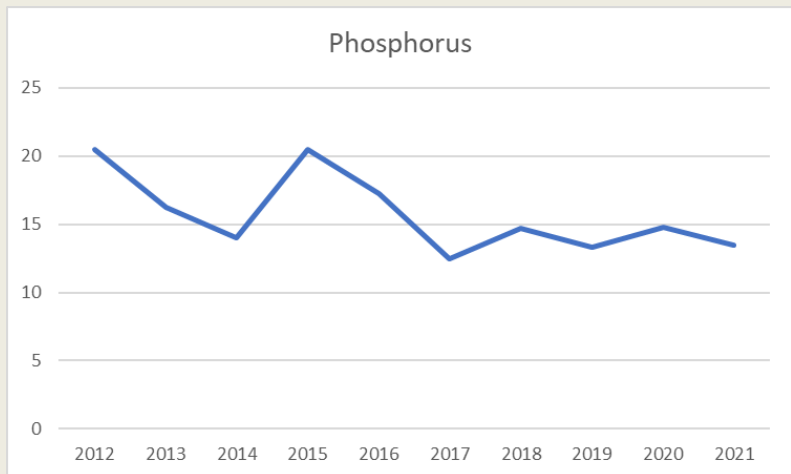
Calcium mg/l

2016	7.2
2017	7.5
2018	7.4
2019	7.9
2020	8.6
2021	8.8

Phosphorus (PPB) Goal = 15 PPB or less					
Site	2-Jun	7-Jul	4-Aug	8-Sep	Ave
203 (Camp)	12.1	11.7	17.0	14.0	13.7
210 (Island)	10.6	14.8	17.0	14.0	14.1
205 (Fosters)	11.6	9.3	17.0	12.0	12.5
103 (Landing)	17.7	11.3	14.0	18.0	15.3
201 (Isthmus)	9.7	10.5	11.0	17.0	12.1
Average	12.3	11.5	15.2	15.0	13.5

Chlorophyll-a (PPB) Goal = 8 or less					
203 (Camp)	2.0	3.0	2.0	6.2	3.3
210 (Island)	2.0	4.0	2.0	6.8	3.7
205 (Fosters)	2.0	6.0	4.0	8.0	5.0
103 (Landing)	3.0	4.0	2.0	8.9	4.5
201 (Isthmus)	3.0	4.0	4.0	7.1	4.5
Average	2.4	4.2	2.8	7.4	4.2

Secchi (Feet) Goal is 6 or more					
203 (Camp)	9.0	9.0	8.5	7.0	8.4
210 (Island)	9.0	9.5	7.5	7.0	8.3
205 (Fosters)	8.5	9.5	8.5	7.5	8.5
103 (Landing)	7.0	7.5	7.0	7.0	7.1
201 (Isthmus)	7.0	7.0	7.5	7.0	7.1
Average	8.1	8.5	7.8	7.1	7.9



Oxygen Levels

Date 7/21/2021 Time 11

Site	Btm.	3 feet			6 feet			9 feet			12 feet			24 feet		
		Temperature		Oxy	Temperature		Oxy	Temperature		Oxy	Temperature		Oxy	Temperature		Oxy
		Celsius	Fahre	mg/L	Celsius	Fahre	mg/L	Celsius	Fahre	mg/L	Celsius	Fahre	mg/L	Celsius	Fahre	mg/L
203 (COP)	15 ft	23.1	74	8.65				22.7	73	8.5						
205 (Fosters)	28 ft	22.4	72	8.41							22.1	72	7.55	19.6	67	1
210 (Island)	7ft	22.4	72	8.51												
103 (Landing)	7 ft	21.9	71	8.99												
201 (Isthmus)	8 ft	22.1	72	8.59	22.0	72	8.75									

Highway Cleanup Recap

The annual highway 61 clean up, conducted on September 3, was again a success. All had a good time afterword socializing and enjoying the burgers. Thanks goes out to volunteers Bob and Bev Reid, Sharon Hexum-Platzer, Tom Rider, Larry Mullen, Charlie Austin, Carrie Nicklow, Sandy & Jack McHugh, Judy Sillman and Jon Westby, with special thanks going out to Connie Noterman and Fred Morris for organizing the event and providing and preparing the food.

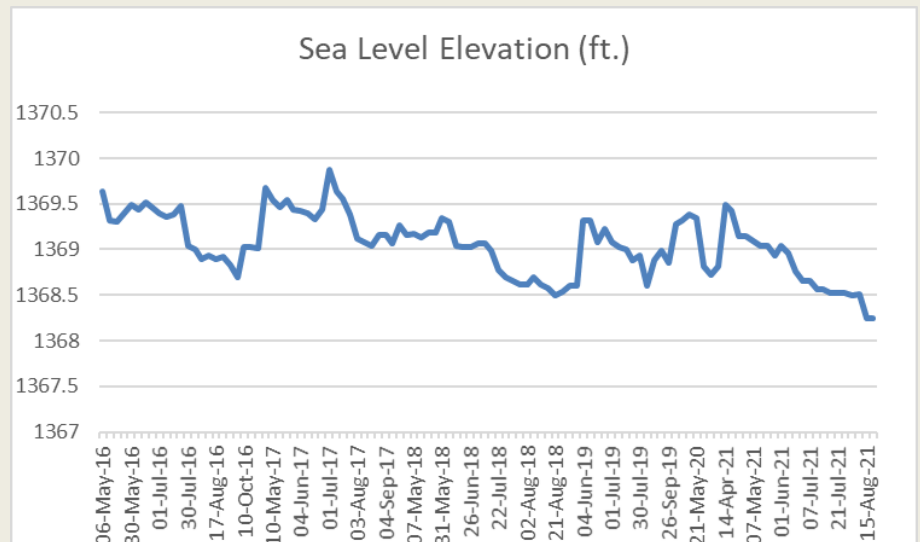
Lake Levels

2016-2021

Readings taken by Sally Westby,

Highest Level :1369.88 (7/01/2017)

Lowest Level : 1368.25 (8/15/2021)



Membership dues annually are \$30 per property and can be sent to P.O. Box 11, Lutsen, MN 55612 or paid at the membership meetings. Thank you