

The General Meeting was held in Shirley Moore's garage and was called to order approximately at 5:45 p.m. by Jean Chadwick, President.

**Attending:** Jean Chadwick, President; Bill Johnson, Treasurer; Bruce Bjerke, Board Member (loons); JoLynn Chadwick, Secretary–Webmaster; Roz Johnson, Board Member (Lady Slipper Project), and Fred Sundquist, Board Member.

**Absent:** Skip Anderson, Vice President (loons)

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### General Meeting Agenda:

- I. Call to Order
  - II. Guest Speaker – Corey Hanson, Water Quality Coordinator with the Red Lake Watershed District
    - a. Clearwater River Watershed Restoration & Protection Strategy Project
  - III. Secretary Report – Jo Lynn
  - IV. Treasurers Report – Bill
  - V. Old Business
    - a. Loons - Bruce
    - b. Water Testing - Bruce
    - c. Ladyslippers - Rox
    - d. AIS
      - i. Nicole Kovar, MN DNR, Northwest Region, AIS Specialist, is open to coming to discuss AIS to our membership.
      - ii. She spoke at a BCLARA meeting that Fred Sundquist attended and was very informative.
      - iii. There is a sign-up sheet for those interested. If there is enough interest this will be scheduled and we will contact you with the date, time and place.
      - iv. There is also a sign-up for AIS Volunteer training. We do not schedule you to be at the public access. If there is enough interest the group that participates can let each other know when they'd be able to support our efforts.
      - v. There are paid inspectors at our public access from 8 am through 8 pm every Saturday and Sunday throughout the summer. There will also be a 3pm to 7 pm shift one night during the week. The evening they are present will vary.
      - vi. You Tube video of proper boat inspection – hand out web site addresses
    - e. Membership Drive
      - i. For those of you present that would like to join our Lake Association, the dues you pay today will be good through August of 2018.
      - ii. Applications available
    - f. Roadside clean-up
  - VI. New Business
    - a. Enbridge Ecofootprint Grant
      - i. \$75,000 actual grant from the Enbridge Ecofootprint Grant
      - ii. \$26,250 in Government grants
      - iii. \$7,500 Individual contributions
        1. If rip rap is used material costs alone are \$180 per linear foot of shoreline, this does not account for design or permitting.
        2. For a 75-foot lot material alone would be \$13,500 for rip rap.
        3. If rip rap is used they estimate 10 lots would be addressed by the grant. Individual cost would vary depending on the footage of shoreline. Cost would be calculated according to the number of lots being protected and the footage of shoreline. We wouldn't expect individual costs to exceed \$1,200, but could be less depending on the number of lots and material used. What a savings. We have a sign-up that is for attendance and discussion for the grant and another for you to indicate your interest in being selected for Shoreline Stabilization so when decisions are made we'll be able to contact you.
        4. Each person in attendance for the discussion needs to sign the form, not just one person in the family or cabin occupant
        5. Bio engineered material may be an option, this would allow for more parcels to be protected and reduce individual contributions.
        6. This week or next a technical crew will tour the lake and begin with their recommendations to receive the most bang for our buck.
          - a. The lots selected will be done by the professionals.
          - b. It would be more beneficial to have the lots in succession; however, it will be up to the individual property owner if they want to participate.
      - iv. \$3,750 for In-Kind support
        1. Hours counted towards this are: Project Planning; Hosting Meetings; Getting involvement
          - a. We will be tracking time spent discussing the grant and having sign ups to track the number of people present.
        2. Individual property owners will not have any physical labor, all work will be hired out by Beltrami County Soil and Water.
      - v. The total project with all cost factors is \$112,500.
    - b. Beltrami Electric Cooperative Inc. Round up Grant
      - i. We were awarded \$500.
      - ii. Topic for distribution on board agenda - ? open for discussion
    - c. Clearwater-Polk Electric Trust Round-up Grant application
      - i. We've applied for \$1,400 to support a workshop for Lakescaping. This would be open to the public and enhance our Shoreline Stabilization grant by addressing the upland concerns of stabilization. These grants will be awarded in June and we would look for the workshop to be held in late summer or early fall. Roz is heading up this project and we have a sign up for those interested so we can contact you as the project progresses. If we do not receive the full amount the education will be streamlined and or an individual contribution towards the cost could be an option.
  - VII. Adjourn
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**Guest Speaker:** Corey Hanson, Water Quality Coordinator with the Red Lake Watershed District.

Topic: Clearwater River Watershed Restoration/Protection Project. (hand-outs provided)

The project is to collect data and to access this data...then figure out a plan to maintain or restore the streams in the watershed.

The Clearwater River, downstream of Clearwater Lake, has the clearest water that is found in any river within the Red Lake Watershed District with an average total suspended solids concentration of just 1.78 mg/L. The lowest concentration that RMB Environmental Laboratories, Inc. can report is 1 mg/L.

Mann-Kendall statistical analysis shows some positive and some negative trends in water quality conditions within Clearwater Lake, but not many.

Clearwater Lake meets the Northern Lakes and Forest ecoregion water quality standards that have been established by the State of Minnesota for the protection of aquatic recreation.

Some areas of concern for our lake: shoreline stabilization and lakescaping. Both of these would improve the water quality.

Trends of Seasonal Averages Using Seasonal Mann-Kendall Analysis				
Clearwater Lake (04-0343-00)	Chlorophyll-a	Secchi Disk Depth	Total Phosphorus	Trophic State Index
Years	1993-2016	1989-2016	1992-2016	1989-2016
Annual Avg (All Months)	X	X	+	X
Annual Max (All Months)	X	X	+	X
Annual Min (All Months)	X	X	X	-
June - September Avg.	X	X	-	X
April	Data <10	Data <10	Data <10	Data <10
May	X	X	X	X
June	X	X	X	+
July	X	X	X	+
August	X	X	X	+
September	X	X	-	X
October	Data <10	X	Data <10	X

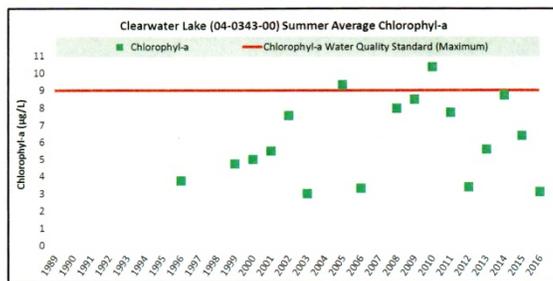
X = No Trend  
 + = Strong Downward Trend (Getting Significantly Better)  
 - = Downward Trend (Improvement)  
 + = Strong Upward Trend (Getting Significantly Worse)  
 + = Upward Trend (Getting Worse)

One member asked about the cattail issue. Have they been increasing or is this a natural progression of the lake. Another member asked if anything should be done where the river enters and exits the lake. Upstream erosion is an issue.

What can lake owners do? Pay attention to the lake quality and continue to monitor. CLAA has been doing water testing since 1992 and Corey said we are doing an excellent job.

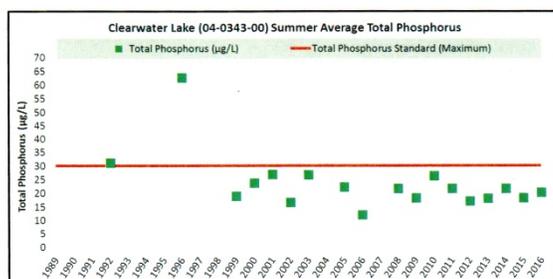
Phosphorus coming from the upstream is still an issue. Continuous monitoring of the phosphorus levels and other nutrients are being done. Corey said all of us can do little things to protect our streams from run-offs.

Les Torgerson (member) brought up the subject of retention ponds and how a placement of a retention pond above the lake (north) to control water in the event of flooding like we had in 1997 would greatly benefit the lake. Les asked if anyone owning land and would show an interest in the possibility of participating in such a project should contact him or the Red Lake Watershed District.



Engineers would access the land and would establish how many acres would be needed to install the pond. This retention pond would work similar to the function of a large rain garden.

Check the Red Lake Watershed District web site for a link to pages about each watershed. (Red Lake Watershed.org)



The Red Lake Watershed is sampling the lake to map vegetation also.

**Shoreline Lakescaping:** Roz Johnson

Using natural plants for shoreline restoration which provides a natural filter for run off and stabilizes the shoreline.

A possible workshop...sign-up sheet passed around for interested people to sign.

**Meeting Minutes:** Jean asked for an approval to omit the reading of the fall 2016 minutes. A new approach would be for people to view on the web site prior to the meeting and come to the meeting with any changes and/or corrections.

All were in favor.

**Treasurer's Report:** Bill Johnson

Bills recapped the report and reminded everyone about our status of being a 501 c 3 organization. This annual report will be posted on our website.

**2016 FINANCIAL REPORT**

**BANK ACCOUNT SUMMARY**

	Starting Balance 1/1/2016	Ending Balance 12/31/2016	Net Gain (Loss)
Checking	\$ 520.98	\$ 770.75	\$ 249.77
Money Market	\$ 2,928.57	\$ 2,432.84	\$ (495.73)
<b>TOTAL</b>	<b>\$ 3,449.55</b>	<b>\$ 3,203.59</b>	<b>\$ (245.96)</b>

**REVENUE**

Date	Item	Amount
6/1/2016	Dues Deposit Checks	\$ 50.00
6/1/2016	Cash Donation Deposit Cash	\$ 6.00
9/19/2016	Dues Deposit Checks	\$ 600.00
9/19/2016	Dues Deposit Cash	\$ 25.00
9/19/2016	Donation Deposit Memorial Donation	\$ 125.00
9/19/2016	Deposit Transfer from Money Market Acct	\$ 500.00
11/2/2016	Dues Deposit Checks	\$ 50.00
12/31/2016	Deposit 2016 Money Market Interest	\$ 4.27

\$ 725.00 Dues collected 2016

\$ 1,360.27 REVENUE TOTAL

\$ 860.27 Revenue without Money Market transfer

**EXPENDITURES**

Date	Recipient	Item	Check Number	Amount
1/11/2016	Country Insurance	Liability Insurance	ACH	\$ (238.00)
5/15/2016	Marlys Skerik	Debs Roosevelt TWP Hall Rental	1036	\$ (10.00)
7/6/2016	Minnesota Conservation	Website Fee, Membership	1038	\$ (220.00)
7/6/2016	BCLARA	2016 Dues	1037	\$ (50.00)
7/13/2016	JoLynn Chadwick	Postage June 2016	1039	\$ (56.35)
9/6/2016	JoLynn Chadwick	Printing and Postage	1040	\$ (38.88)
9/19/2016	Checking Account	Transfer to Checking Account from Money market	ACH	\$ (500.00)
10/31/2016	IRS Form 1023-EZ	501(c)(3) Registration Fee	ACH	\$ (275.00)
12/18/2016	Country Insurance	Liability Insurance	ACH	\$ (218.00)
<b>2016 Net Gain (Loss)</b>				<b>\$ (245.96)</b>

\$ (1,606.23) EXPENDITURES TOTAL

\$ (1,106.23) Expenditures without Mney Market transfer

Checking Balance 5/15/2017	\$ 1,274.75
Money Market balance 5/15/2017	\$ 2,434.68
<b>Total</b>	<b>\$ 3,709.43</b>

**Member Drive:** Those individuals signing up today or this summer will be paid members until the fall of 2018.

**Loons:** Bruce Bjerke

It was an early ice out this year and the loons were present and active. However it then snowed and confused the loons. Bruce has one sitting on an artificial platform out from his cabin with one egg. Mike Mason has one sitting on a natural nest out from his cabin on Mason Island.

**Water Quality Testing:** Bruce Bjerke

Testing is done the end of each month. The testing is performed straight out from the north shore area and at 45' of water.

**Lady Slippers:** Roz Johnson

Spraying will be done the end of June. Roz may be contacting volunteers David Chadwick and Steve Chadwick for assistance.

**AIS:** Fred Sundquist

Fred attended the BCLARA meeting and represented our association. The guest speaker was Nicole Kovar the AIS expert for our NW region. She did a presentation on AIS giving guests ways to help identify invasives, what to look for from the shore and what to look for while out in the boat.

She would possibly come and do a presentation for those interested. A sign-up was passed around for people to sign if interested in participating in a seminar. One possible location could be at the Roosevelt Township building.

Our state was broke down into three regions. The lower one third is labeled as "unredeemable" waters; the middle third as "challenged" waters; and the upper third as "prestine"waters.

The middle third of the State began with AIS problems in 2007.

Steve and Jean Chadwick are AIS volunteers and will be there to supplement the paid AIS inspectors who will be at the public access from now through September 10. The hours for the paid inspectors will be from 8 a.m. to 8 p.m. on Saturday and Sunday, plus one night each week from 3 p.m. to 7 p.m.

A signup sheet was passed around for those showing interest to be an AIS volunteer and take the training class. We would need 12 to 20 interested people to hold a instructional class to be an AIS volunteer.

**New Business:** The Ecofootprint Grant

CLAA is receiving \$75,000 from the Enbridge Ecofootprint Grant for shoreline stabilization.

Two materials will be used: bio-engineering or rip-rap. The bio-engineered product will go much further in regard to dollar amount. Jean gave this example: rip-rap approximate cost: per 1 foot of shore would be \$180 (material only) per foot.

No physical labor involved. Anytime spent for talking about the project etc. will go towards in-kind hours amounting to \$3,750. We can bill this time at \$25 per hour.

The technical people will be touring the lake with Bruce Bjerke (providing the boat) on June 1. They will be doing the final selection of lake shore property. The Association/Board will not be involved. Selected property owners do not have to be Association members to participate if selected.

The purpose of this project is to preserve and maintain the quality of the lake.

A couple of questions were brought up and Jean said she will have Bruce ask the technical people on June 1. These questions were 1) if not one of the property owners selected, could they “piggy back” on this project to do work on their property and 2) if not selected, could they contact the engineers directly for input on specific shoreline work on their property.

CLAA has also been awarded \$500 from Beltrami Electric Round-up Grant Program. The use of the money has yet to be decided. Jean Chadwick has also applied for \$1,400 through Polk-Clearwater County Grant Program. As of this meeting date, CLAA is not aware if they have been granted this money. Bruce Bjerke stated that June 13 is the date of final selection. If awarded this money, this would go toward a lakescaping project. Two property owners would be selected and they would not have to be Association members.

**Other Business:**

Steve Chadwick asked if anyone present lost an item in the lake? It is a high value item. No one present seemed to be that person. So it was asked that if anyone talks to any and mentions an item lost, they should contact Steve.

Parade at Debs for the 4<sup>th</sup> of July. Are we participating? There was some interest and Bruce Bjerke said he would provide his car like prior years and Rochelle Ricke said she would provide the candy.

Meeting was adjourned.