



## 2018 Winter Membership Meeting Notes

Meeting Called by: Gary Nereson, President

Date: Thursday, Feb. 15, 2018

Attendance: Approximately 28 residents

Location: Crooked Lake Elementary School

CLAA board members:

Paul Martin  
 Angel Prom  
 Amy Mulvihill  
 Patti Friday  
 Joel Friday  
 Dan Anderson  
 Jerry Piche  
 Julie Jared

Guests: Justine Dauphinais, Coon Creek Watershed District

Meeting Called to Order at: 7:00 pm

Jessica Abarca, Anoka County

Meeting Adjourned at: 8:45 pm

James Johnson, Freshwater Scientific

Notes by: Julie Jared

Topic	Discussion	Decisions
Call to Order	Gary Nereson, CLAA President, hosted meeting.	Informational.
Attendee Introductions	Gary Nereson introduced guest speakers and the members of the Crooked Lake Association board.  Gary Nereson welcomed all guests and invited them to introduce themselves. Lake residents introduced themselves stating how long on lake.	Informational.
Open Microphone	Open Microphone was offered.	Informational.
Approval of minutes of Winter General Mtg of Feb 23,	Julie Jared briefly read minutes from the Feb 23, 2017 WGM meeting. Copies are available on website.	Minutes were approved.

2017		
Treasurer's Report	Treasurer's Report was prepared and read by Paul Martin. Paul discussed delta since 2017 WGM report, explaining checks issued and deposits made. Gary thanked Paul for his many years of service as CLAA Treasurer, and volunteering to continue in the role after moving a block off the lake this year.	Treasurer's Report was approved.
Audit Report	<p>Julie Jared read the 2017 CLAA Audit Report which was prepared by Paula Foley-committee volunteer. The report stated that on January 23, 2018, from 10-11:30 am, volunteer audit committee members Paula Foley and Anne Lindenberg conducted an informal audit of CLAA's financials for the period of January 1, 2017 to December 31, 2017. Also present were Paul Martin-Treasurer and Julie Jared-admin assistant.</p> <p>The committee reviewed the check register, duplicate checks, invoices, deposit slips, bank statements and financial statements. Current account balances were confirmed from bank statements.</p> <p>The committee found a transaction that was omitted from the financial statement because of the net zero effect on the bank balance. The Treasurer was asked to adjust the financial statement to show both the income and the expense side of the net zero transaction.</p> <p>The audit committee found all monies accounted for and records to be organized and easy to follow, and no changes in record keeping were suggested.</p>	Audit Committee Report was approved.
Elections	<p>Multiple CLAA board positions were up for re-election. The following board members were elected for a two-year term:</p> <p>President – G. Nereson (re-elected)  Vice-President – Dan Jared  SE Quadrant Leader – Brian Graves  SW Quadrant Leader – Melissa Sundeen  NE Quadrant Leader – Amy Mulvihill (re-elected)  Andover City Watchdog – Dan Anderson (re-elected)</p>	Approved (and applauded) by audience
Brief Treatment History (Gary Nereson)	<p>Gary Nereson provided a brief overview of the history of the CLAA. Gary and CLAA has continued to partner with Coon Creek Watershed District, Anoka County, and the cities of Andover and Coon Rapids on the health of Crooked Lake. Gary highlighted the phenomenally successful experimental spot treatment of the lake in 2016. Granular fluridone was applied to the lake in low dose. Due to wind and wave action and 2 bump treatments during the 2016 summer*, we had great success, and the results were of a whole-lake treatment.</p> <p>*The first granular fluridone treatment was May 24, 2016 at a relatively low rate of 2 - 4 ppb. After that the CLAA collected regular water samples to be evaluated by Sepro and by the DNR. Based on those samples, and previous experience with fluridone, PLM did 'bump' treatments on June 28, 2016 and August 16, 2016.</p>	Informational.

<p>2016 Treatment Results, Transplanting and Next Steps (James Johnson)</p>	<p>James Johnson shared that Crooked Lake is a poster child that is talked about at other lake meetings and that CLAA should be very proud. The granular fluridone product team flew in and were extremely excited to see the dying invasive plants and success of our treatment! EWM went from 60% to 1%! Musky cabbage improved (Illinois pondweed/sago pondweed).</p>  <p>There is very little EWM at the moment, and the expectation is that we will receive a recommendation in 2018 to manually pull the plants that are found this spring, as the means to manage and contain it. Volunteers will be sought!</p> <p>Native plants/transplanting: it is best to not have bare sediment in the lake; we need native plants for resilience. Part of our plan was to transplant and bring back the native plants that were lost in the 2002 treatment. Justine Dauphinais researched and found Norris Lake, which was named our donor plant lake.</p> <p>Freshwater Scientific, CCWD, DNR and volunteers including Mike Larson got in the water and assisted with the transplant. Burlap was used to help root the plants. Multiple lakeshore residents volunteered to have nurseries with netting above the water placed in the lake just off their lakeshore to allow the plants to take root and grow. You may have seen some of them (see right)!</p>	<p>Informational</p> 
<p>AIS Prevention and Control (Zebra mussel spotters, EWM treatment, Transplanting), Water Quality Data, Water Level, CLMP Update (Justine Dauphinais)</p>	<p>Justine Dauphinais provided a brief history of the Crooked Lake Comprehensive Management Plan, which was developed in 2008, public input obtained in 2013, a revision created in 2014, and we are now at the 5 year mark. In 2008, the four main priorities were 1) AIS, 2) Native Aquatic Vegetation, 3) Nonpoint Source Pollution/Trash, and 4) Lake Levels.</p> <p><b>Priority 1 AIS</b> action plans were Watercraft inspections (Anoka Co) AIS early detection surveys (CCWD/ACD), Zebra Mussel Spotters Program (CCWD/Anoka Co), Invasive Plan Delineation Surveys (CLAA) and Invasive Plant controls (CLAA/Cities)</p> <p>AIS Early Detection Surveys: Visual inspections are performed once in spring and once in Fall following DNR protocols. No new AIS.</p>	<p><b>Contact:</b> Justine Dauphinais <a href="http://www.cooncreekwd.org">www.cooncreekwd.org</a> Coon Creek Watershed District 12301 Central Avenue NE Suite 100 Blaine, MN 55434 Phone: 763.755.0975 Fax: 763.755.0273 or email: <a href="mailto:info@cooncreekwd.org">info@cooncreekwd.org</a></p>

Zebra Mussel Spotters Program: 11 Plates are monitored by volunteers. We have 59 monthly reports with no zebra mussels found. Now if they do show up, we have better odds at getting a permit for rapid response and successful treatment.



Controlling established AIS Populations: 1990 Eurasian milfoil first discovered in Crooked Lake. 1992 and 2002 experimental whole-lake *liquid* fluridone treatment (got all the milfoil and all the native plants), 2008-2014 annual herbicide treatments (<15% littoral zone)

Native plants were suffering during the annual herbicide treatments 2008-2014, and they were only offering temporary AIS relief and were not sustainable long term.

2016: Experimental whole-lake *granular* fluridone treatment – AWESOME RESULTS!! EWM went from 60% to 1% occurrence AND our Native Plant community was unharmed and rebounding!! VERY EXCITING for all involved, CCWD, freshwater scientists, the lake community, etc.

**Priority 2 Native Plants:** 2017: Experimental native transplanting. Goal is to protect native plants, the integral component of healthy lake ecosystems...provide habitat for fish, waterfowl, and protect water quality. CCWD, DNR, James Johnson and CLAA volunteers transplanted 5 species of non-infested donor lake plants from Norris Lake into Crooked Lake. Results: 30%-90% survival in fall of 2017.

**Priority 3: Nonpoint Source Pollution:** Actions were water quality monitoring, managing storm water, educational outreach (shoreline practices, fertilizer and salt use), trash/waste clean-up. Results are that water quality has been improving over time and is doing quite well compared to other area lakes.

Water Quality Parameter	Metro Lake Grade			
	1985	1995	2005	2015
Total Phosphorus	C	C	B	B
Chlorophyll-a	C	B	B	A
Clarity	D	C	C	B
Overall	C-	C+	B-	B+

Parameter	2008	2009	2011	2012	2014	2015	2017
Total Phosphorus	B	C	B	A	A	B	B
Chlorophyll-a	A	A	A	A	A	A	A
Clarity	B	B	B	B	B	B	B
Overall	B+	B	B+	A-	A-	B+	B+

**Priority 4 Lake Levels:** CCWD coordinates annual lake level monitoring with lakeshore resident Carol Buzelli. CCWD inspects lake outlet, and DNR does regional surface water/groundwater studies. Prior to the first lake management plan in 2008, water levels were declining and were a primary issue identified in the plan development workshop. Lake levels appear to have rebounded and stabilized over the past several years! There were actually a couple wet springs that resulted in a no wake ordinance when lake reaches 861.6 feet.

At end of presentation, the 2018 CLAA winter general meeting attendees next provided feedback in a questionnaire.

Questionnaire	Questionnaires were distributed and collected by Justine Dauphinais and Gary Nereson. The questionnaire asked 1) What is your top concern facing Crooked Lake? 2) Rank concerns in order of highest to lowest management priority and 3) provide any comments regarding the management of crooked lake.	
Anoka County Update and Watercraft Inspections	Jessica Abarca provided a summary of 2017 watercraft inspections. She shared Crooked Lake is doing amazing!	Informational.

<b>Total Inspections</b>			
	Inspections	Entering	Exiting
May	143	85	58
June	422	229	193
July	673	376	297
August	243	135	108
September	19	12	7
<b>Total</b>	<b>1500</b>	<b>837</b>	<b>663</b>

2017 Crooked Lake boat plug violations figure is amazing – 0.48%!

<b>Boat Plug Violations</b>		
Month	Violations/ Entering Boats	%
May	0/85	0
June	3/229	1.31
July	1/376	0.27
August	0/135	0
September	0/12	0
<b>Total</b>	<b>4/837</b>	<b>0.48</b>

2017 Crooked Lake plant violations are less than County average!

<b>Plant Violations</b>		
Month	Violations/ Entering Boats	%
May	3/85	3.53
June	4/229	1.75
July	14/376	3.72
August	4/135	2.96
September	0/12	0
<b>Total</b>	<b>25/837</b>	<b>2.99</b>

Violations are decreasing. Education is working.

Year	2015	2016	2017
Hours	288	519	702
Inspections	533	956	1500
Inspections /Hour	1.85	1.84	2.14
Boat Plug Violations	35/302 11.59%	38/526 7.22%	4/837 .48%
Plant Violations	20/302 6.62%	39/526 7.41%	25/837 2.99%

Inspectors are needed. This is a paid position, 18 years and older. Search the county's job website, or reach out to a board member (Julie Jared) to help get you connected.

<p>Christmas Lighting Display Presentation</p>	<p>The CLAA Christmas Lighting Contest entries were displayed on the screen, and the winner by committee and by Facebook Likes count was announced to be the Bergan family! The Bergan family winning entry is depicted below. The Bergan family received a gift card to Menards, a CLAA t-shirt, official bragging rights, and a special, one-of-a-kind, homemade award that was created by CLAA member Dean Keller! The award can be enjoyed many ways: displayed as an ornament on a tree or as a trophy as seen to the right, or worn around one's neck like an Olympic gold medal. Ben was ultimately honored in a medal ceremony...the award hung on a blue ribbon and was placed around his neck to cheers!</p> 	
<p>Door Prizes</p>	<p>The door prize winner was the Bergan Family?!? The Bergan family did not accept the door prize and graciously insisted on a re-draw as they had won the prior competition. Upon a re-draw, Grant and Barb Schmalzer won the door prize. ☺</p> <p>The door prize, donated by Spire Credit Union, was two tickets to the AMC Theatre, two vouchers for small drinks, and a voucher for a small popcorn.</p>	<p>Informational</p>
<p>Save the date</p>	<p>2018 Summer Picnic/Meeting is tentatively, July 15, 2018, from 3-6 pm.</p>	<p>Informational</p>
<p>Adjournment</p>	<p>Adjourned at 8:45 pm.</p>	<p>Adjournment was approved.</p>

**Retired List of Officers and Phone Numbers:**

Gary Nereson	763-422-0682	President
	Cell 612-961-0358	
Angel Prom	763-244-0378	Vice-President
Paul Martin	763-427-5305	Treasurer
Patti Friday	763-355-2953	Quadrant Leader - SW
Amy Mulvihill	651-238-5359	Quadrant Leader - NE
Matt Waks	612-598-2635	Quadrant Leader - SE
Duane Ullrich	763-229-3344	Quadrant Leader - NW
Joel Friday	612-868-6287	Coon Rapids Watchdog
Dan Anderson	763-427-0964	Andover Watchdog
Julie Jared	763-229-7457	Administrative Assistant

**Current List of Officers and Phone Numbers:**

Gary Nereson	763-422-0682	President
	Cell 612-961-0358	
Dan Jared	612-280-7054	Vice-President
Paul Martin	763-427-5305	Treasurer
Melissa Sundeen	763.670.6457	Quadrant Leader - SW
(OPEN)Amy Mulvihill	651-238-5359	Quadrant Leader - NE
Brian Graves	612-282-8803	Quadrant Leader - SE
Duane Ullrich	763-229-3344	Quadrant Leader - NW
Joel Friday	612-868-6287	Coon Rapids Watchdog
Dan Anderson	763-427-0964	Andover Watchdog
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Respectfully submitted: Julie Jared