

Description of Discussion

1. **Introduction:** The virtual Zoom meeting started at 7:18 pm. It was not possible to determine exactly how many board and other MLA members participated in the meeting. The presentation deck used for the discussion is attached as Exhibit #1. See the slides in the deck for further information about each subject. Those details are not repeated below in these notes. Nick Romenesko #140, the MLA president, led the meeting which started with the introductions of the 9 MLA board members:

Name	Property	Title	Status
Mark Emerick	117	Past President	Present
Joel Hartjes	84	Member at Large	Present
Corbin Keller	103	Member at Large	Present
Bob Kemps	33	Legal Advisor	Present
Barb Kleiber	64	Member at Large	Present
Joe Michel	16	Treasurer	Present
Steve O'Shea	114	Vice President	Present
Nick Romenesko	149	President	Present
Gary Sturtevant	126	Secretary	Present

2. **2019 Annual Meeting Minutes:** Jane Sturtevant #126 moved to accept the minutes. Donna DeGroot #146 seconded the motion. The motion passed unanimously. **Action: Gary Sturtevant #126 to post the final minutes on the MLA website.**
3. **New Property Owners:** The new property owners are shown on slide #4.
4. **Neighbors we've lost:** The group held a moment of silence to remember the neighbors that we've lost over the past year: Robert Fischer, Ginny O'Shea, Dick Brantmeier, Janice Claire Geimer, LaVerne Schmidt and Maggie Ort (who was not listed on the slide).
5. **Financial Update:** Joe Michel #16 provided a financial update for the MLA. The currently has a surplus of \$49,042.59 which is more than the budgeted balance \$42,647.85. The excess is due to the fact that we could not run the DASH unit in 2020 so we did not incur most of the DASH unit expenses. Donna DeGroot #146 moved to accept the financial update. Joel Hartjes #84 seconded the motion. The motion passed unanimously.
6. **MLA Website:** The site URL is <https://moshawquitlakeassociation.org/> The site does not contain contractor recommendation information collected from MLA members due to a decision made at a previous board meeting. That information can be obtained by contacting Gary Sturtevant, the MLA secretary.
7. **Eurasian Water Milfoil (EWM) Treatment and DASH Programs:** Nick reviewed the 2019 EWM treatment program (see the attached slides for more details).

We had a successful DASH program in 2019 but could not operate the DASH unit in 2020 due to the COVID-19 pandemic. We were not able to hold the MLA annual meeting during the Memorial Day weekend which is when we make the push for volunteers. We expect to restart the program in 2021 and will need volunteers for all positions and a space to store the DASH unit on the lake.

The 2019 chemical treatment program had some positive effect but did not meet expectations. Nick and Mark Emerick discussed the new chemical treatment program that we hope to implement in 2021. This will use a new system where the chemicals are contained within a “shower curtain” enclosure built around the treatment area. The MLA is working with the DNR to obtain a grant to fund this program. The EWM areas in the NW and SW corners of the lake are part of the program. Marks described 3 others areas off or properties #103 and #118 and the Menominee beach that we hope to also include in the 2021 treatment program.

Slide #21 shows a picture of EWM. Count the number of fronds attached to one side of a steam. EWM has 12 or more fronds.

8. **Fish Survey:** Ryan Wehse, the Menominee Indian Tribe Fish Biologist, completed a fish survey earlier this year. He offered to present his findings at a future MLA meeting.
9. **Dam Damage:** The damage to the dam is under investigation by the DNR. The first step is to determine who owns the dam and is accountable to get it fixed. The damage could lead to erosion at the dame especially when the lake level is high.
10. **Yard Waste and Composting:** Two options exist to dispose of yard waste – the Legend Lake compost site and the Shawano county landfill. There is a \$50 annual fee to use the Legend Lake facility. The Shawano county landfill will take leaves and general yard waste for free but may charge a small fee for branches.

Dumping yard waste on the other side of Moshawquit Lake roads onto tribal land is illegal and cannot be tolerated. Several MLA members have reported this problem. If necessary, you can file a report with the Menominee County sheriff. **Action: Gary Sturtevant #126 will send another reminder to the MLA about this subject.**

11. **Garbage at the Boat Landing:** The boat landing has a garbage can but overflow is often a problem. Victor Murphy has picked up the garbage (with our thanks) but this is not a long-term solution. A better solution is to get a real garbage can installed at the boat landing and have the garbage truck empty it when they make their usual rounds. **Action: Nick Romenesko #149 will follow up with the county during his next discussion about the dam.**
12. **Boater Safety:** Please review the Safe Boating and Boat Landing Rules especially if you have guests who might not be familiar with those rules. We've had many reports of unsafe practices this year. Some of the offenses were traced to Menominee beach users who were not familiar with the rules. Users of that beach are supposed to follow the lake rules. We are not aware of a sign at the beach that lists the rules. If possible, please just have a friendly discussion with any offenders that you encounter.

13. **Meeting Adjournment:** Mark Emerick #117 moved to adjourn the meeting. Steve O'Shea #114. The motion passed unanimously. The meeting adjourned at 8:04 pm.

Submitted by:

Gary C. Sturtevant
Sept 5, 2020

Attached Exhibits:

1. Moshawquit Lake Association 2020 Annual Meeting agenda
2. Moshawquit Lake Association 2020 Annual Meeting presentation deck

Exhibit 1

Annual MLA Meeting

September 3, 2020

***Being held virtually on Zoom due to COVID-19 concerns**

- Introduction of Moshawquit Lake Association Board Members
- Motion to approve notes from 2019 annual meeting
 - <https://moshawquitlakeassociation.org/meeting-notes/>
- Introduce our new neighbors
- Moment of Silence for neighbors lost
- Financial Review
- Moshawquit Lake Website
 - <https://moshawquitlakeassociation.org/>
- Moshawquit Lake EWM Update from 2019
 - Integrated Management Plan
 - 2019 Treatment Review
 - 2019 Treatment Results
 - DASH Summary Report
- 2020 DASH Plans 😞
- Looking forward: 2021 Chemical treatment and DASH plans
- Review of Grant for Herbicide Enclosure Study
- EWM Education
- WAMSCO Membership
- Fyke Net Fish Survey
- Dam discussion
- Composting options
- Safe Boating and Lake Rules
- Adjourn

*If anyone would wish to have copies of the presentation after the meeting, feel free to reach out to our Secretary Gary Sturtevant

Exhibit 2

Moshawquit Lake Annual Meeting 2020

September 3, 2020

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Introductions

- ▶ Nick Romenesko - President
- ▶ Steve O'Shea - Vice President
- ▶ Gary Sturtevant - Secretary
- ▶ Joe Mitchel - Treasurer
- ▶ Corbin Keller - Member at large
- ▶ Joel Hartjes - Member at large
- ▶ Barb Kleiber - Member at large
- ▶ Bob Kemps - Legal Advisor
- ▶ Mark Emerick - Past President

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Past year's meeting

- ▶ Meeting minutes from last year are available on our new website
<https://moshawquitlakeassociation.org/meeting-notes/>
- ▶ Motion to approve

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Warm Welcome to our new neighbors!

- ▶ Trevor and Dawn Smithin - #14-15
- ▶ Jim and Jackie Trunk - #80
- ▶ Gene Finn and Laura Pyzybylinski-Finn - #145
- ▶ Pat and Carrie Hawley - #25

- ▶ *If you are looking to sell your cottage, feel free to contact the board or Gary and we will inform our members. If someone knows of a potential buyer, we can help grow our community and save on costly realtor fees.



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Neighbors we've lost

- ▶ Rober Fischer - Martha's husband #109
- ▶ Ginny O'Shea - Steve O'Shea's mother #114
- ▶ Dick Brantmeier - Jan Brantmeier's husband #105
- ▶ Janice Claire Geimer - Jack Fenske's wife #129
- ▶ LaVerne Schmidt - Ray Schmidt's wife #116

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Financial Update

Preliminary 2020 - 2021 Budget		Moshawquit Lake Association							
4/20/2016		2018 - 2019		2019 - 2020		2018- 2019		2020 - 2021	
		May 2018 through January 2019	May 2019 through January 2020	Fiscal Year 2018	Fiscal Year 2019	Forecast	Budget	Budget	Proposed Budget
Income									
Dues	6,725.00	8,975.00	6,725.00		8,975.00	8,575.00	400.00	12,862.50	
Interest					626.71	625.00	1.71	156.68	
Transfer From CD				15,750.16				625.00	
Meeting Refund	250.00	250.00	250.00		250.00		250.00	250.00	
Insurance Refund		521.00			521.00		521.00		
Lake Maintenance - refund		33.00			33.00		33.00		
Grants		-			-		-	-	
Totals	6,975.00	9,779.00	22,725.16		10,405.71	9,200.00	1,205.71	13,894.18	
Expenditures									
Dues	150.00	100.00	150.00		100.00	100.00	-	100.00	
Filings	10.00	0.00	10.00		10.00	10.00		10.00	
Lake Maintenance - Wages	1,685.37	1,876.50	1,685.37		1,876.50	5,000.00	(3,123.50)	2,000.00	
Lake Maintenance - Insurance	2,528.00	2,795.00	2,528.00		2,795.00	901.00	1,894.00	2,872.85	
Lake Maintenance - Other	500.00	22,904.26	500.00		22,904.26	21,186.00	1,718.26	2,345.26	
Meetings	484.54	477.50	484.54		477.50	250.00	227.50	480.00	
Donations		250.00			250.00		250		
Supplies	-	-	-		-	200.00	(200.00)	200.00	
Capital Outlay	2,768.33	-	2,768.33			1,000.00	(1,000.00)	1,000.00	
Total Expenditure	8,126.24	28,403.26	8,126.24		28,413.26	28,647.00	(233.74)	9,015.11	
Gain/Loss	(1,151.24)	(18,624.26)	14,598.92		(18,007.55)	(19,447.00)	1,439.45	4,879.07	
Assets									
Checking			31,303.04		12,668.78		17,547.85		
CD			25,000.00		25,625.71		25,000.00		
Gas Cards			400		200.00		100.00		
Grants									
Dash Unit									
Total Assets			56,703.04		38,495.49		42,647.85		
Liabilities									
Dash Unit (Owed Mark)									
Surplus			56,703.04		38,495.49		42,647.85		
						Change in surplus	4,152.36		

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Moshawquit Lake Association Website

► <https://moshawquitlakeassociation.wordpress.com/>



[Home](#) [Contact](#) [Board Members](#) [Lake Rules](#) [Meeting Notes](#) [Other Information](#) [Links](#)



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Moshawquit Lake EWM 2019 Treatment Update

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Ais - Integrated Management plan

- **Integrated Management Plan** which includes continuing the **systematic monitoring** of aquatic plant life which began 5 years ago, **education** of our residents regarding how to prevent the spread of EWM, **selective low-dose treatment with herbicides** when EWM exceeds established limits, and **maintenance** of acceptable levels of EWM following herbicide treatment **via proven non-chemical means** including the use of Diver Assisted Suction Harvesting (DASH).

Moshawquit Lake

Aquatic Invasive Species Integrated Management Program

Progress Report and Plan Update

Prepared by:

Mark F. Schmidt, President-Moshawquit Lake Association;
Secretary-Watershed Association of Marquette & Chequamegon
Counts

Timothy J. Eberle, Chairman Conservation Committee – Moshawquit Lake
Association

Produced in Cooperation with, and endorsed by:

Mark Pankowski, Water Resource Specialist, Marquette Indian Tribe of
Michigan
Glenda Morris, Lake Biologist – Water Resource Survey Water Resources
Commissioner Department of Natural Resources
Jeremy Johnson, Marquette County, Conservation Forestry, Landfill
Director
Hamilton Harvey, Owner, SustaiN's Assets, LLC

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2019 Herbicide treatment recap

- i. Spring survey (May 9, 2019) of 71 sampling locations comprising of 14.8 acres was completed by Onterra to compare pre-treatment numbers to post-treatment numbers.
- ii. Schmidt's Aquatic spot treated the lake with Aquastrike May 17, 2019
- iii. DASH utilization was executed about 2 days per week throughout the summer.
- iv. Whole lake survey was completed August 12, 2019 by Onterra
- v. Replication of sub point-intercept survey from Spring was completed on September 6, 2019 by Onterra

10 year DNR study reveals that without follow-up maintenance, EWM rebounds in 3-5 years following large scale treatment !

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2019 Treatment Results

- i. EWM population was modest in NW corner (site A-19) with a small scattered colony and a number of small plant occurrences.
- ii. EWM in SW corner (site B-19) contained sizable colonies of EWM with more dense colonies.
- iii. Herbicide spot treatment in 2019 showed some level of suppression, but fell short of expectations.
- iv. Challenges were attributed to not achieving sufficient concentration exposure times in a spot treatment scenario
- v. Hand harvesting likely helped attribute to the lower EWM population in target areas

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DASH Summary Report for 2019

We had a significant impact in treatment areas - thanks to all of those that volunteered!

- ▶ Project started June 24, 2019 and ended August 30, 2019
- ▶ Harvest locations consisted of a little more than 2 acres
- ▶ 11384 lbs of plant material was removed, 93.96% was EWM
- ▶ Next is the summary of native plants harvested by location

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Big Thanks to our Volunteers

- ▶ **Here is a list of those who answered the call in 2019**
- ▶ **Mike & Barb Kleiber** - who again provided storage for the DASH during the off-season
- ▶ **Nick Romenesko** - took care of Workman's Compensation insurance & payroll for the divers
- ▶ **Bob Kemps** - provided a dock to allow us to keep the DASH on the lake instead of pulling it in & out each week.
- ▶ **Lynn Murphy** - set up the Signup Genius App to allow online scheduling of volunteers.
- ▶ **Joe Michel** - bought gas cards, and made sure that suppliers got paid
- ▶ **Mark Emerick** - program coordination - DASH Permit application, permit record keeping, end of season reporting, Personnel Training (Operations Manual & training sessions), maintenance, repairs, winterization, post season clean-up, obtaining gas, schedule coordination,
- ▶ **Divers** - Zach Dobberstein, Mark Emerick, Dave Van Hoof, Carl Rippi
- ▶ **Topside Workers** - Bob Weiske, Zach Dobberstein, Mark Emerick, Victor Murphy, Jim Kirk, Dennis Stadler,, Joe Chojnacki , Kathryn Giemer-Chojnacki, Vickie Dobberstein, Tom Harris, Corbin Keller, Jeff Leshuk, Michael & Chelsea McDowell, Gary Sturtevant
- ▶ **Kayakers** - Victor Murphy, Jeff Leshuk, Kristi Kirk, Cathy Palesse, Alice Emerick, Tom Harris
- ▶ **Weed transport** - Mark Emerick, Joe Chojnacki , Kathryn Giemer-Chojnacki, Victor Murphy, Alice Emerick
- ▶ **This summer we operated the DASH unit on 16 days. We logged 89 hours of DASH operation. We surveyed and/or operated the DASH at 30 different locations on the lake, and removed 10,626 Lbs of EWM.**

2020 DASH Plans Fell Apart

- ▶ Due to lack of volunteers and a full time diver in addition to COVID-19, DASH utilization was essentially shut down. There were a few people who were hoping to get some dives in, but summer never really panned out as all of us hoped.
- ▶ We do plan on resuming DASH activities in 2021. We are in need of a 2 day per week paid diver who can commit to help to take the weight off finding lake members who are willing and able to dive. We will also be looking for top side, non diving roles, to fill.
- ▶ Not having the annual meeting in Spring made it difficult to recruit volunteers as well as the pandemic. 2021 will be a fresh start.

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2021 Chemical Treatment Option

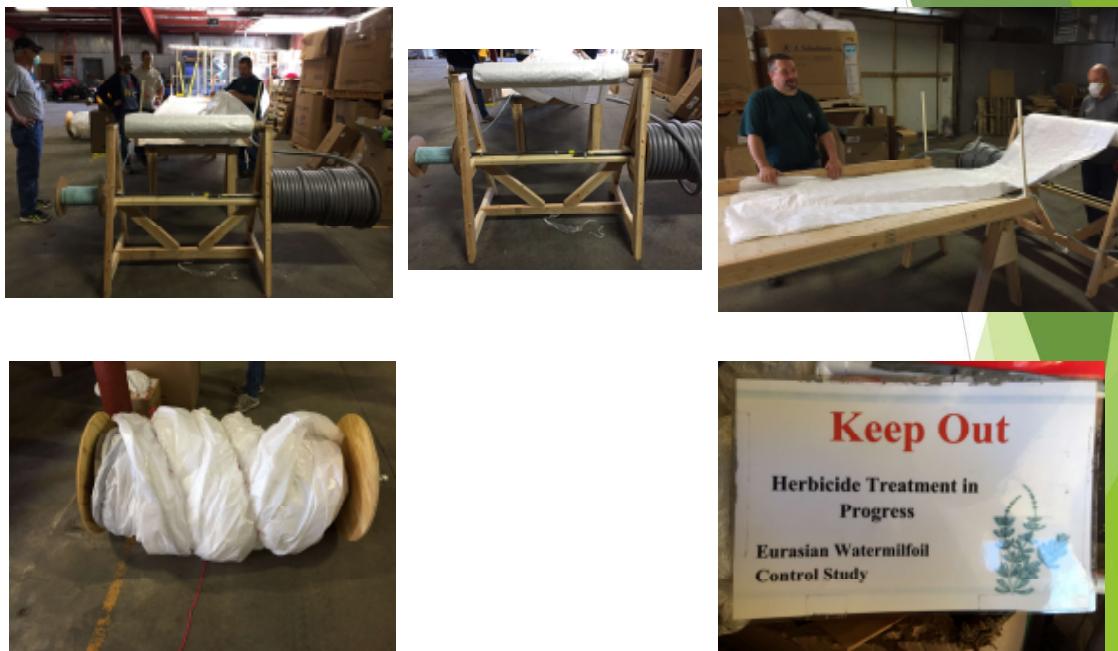
- ▶ Grant program for Herbicide Enclosure Study - a study is being done on the deploying, efficacy, retrieval, and decontamination of a curtain barrier enclosure to help contain herbicide treatment to treatment area to achieve more predictable and better results.
- ▶ Barriers are left in place for 1-3 days
- ▶ Current studies have been completed on Thunder Lake. Concentration levels were more accurate at hitting target levels and maintained the levels better. Herbicide noted outside the barrier remained low. There was a 45% reduction in one area and 75% reduction in the other area.

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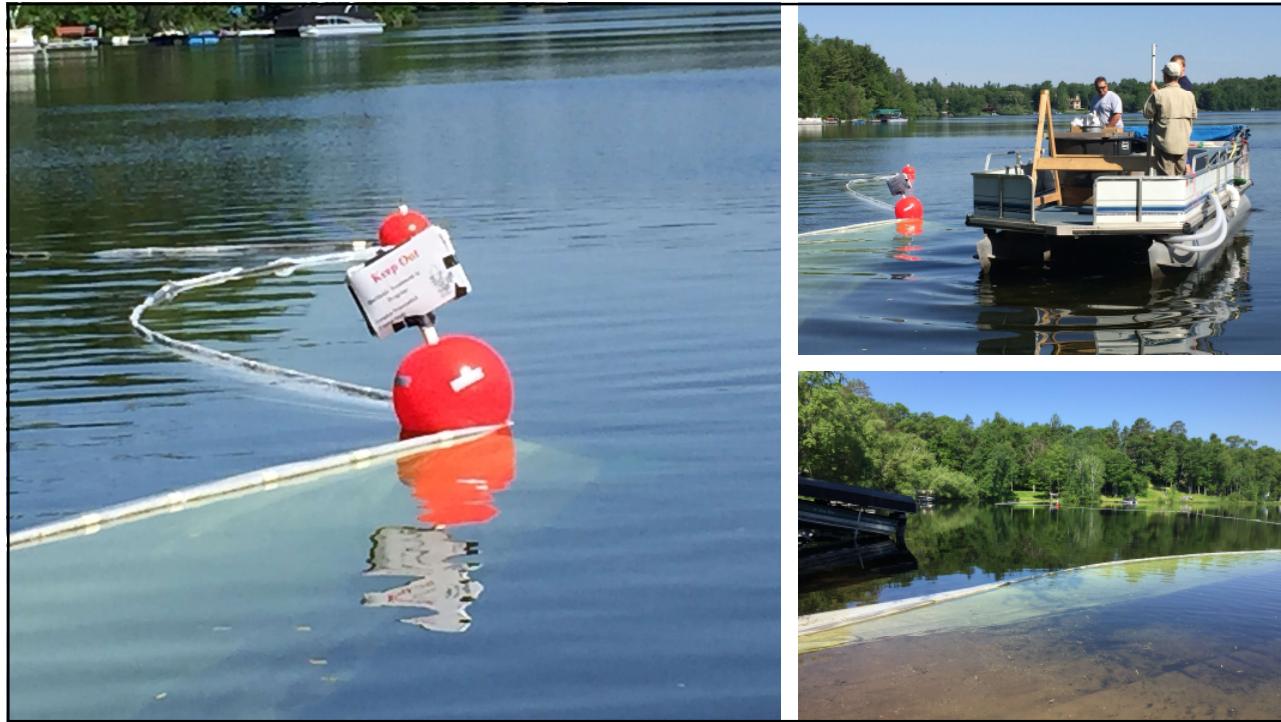
MLA is applying for a grant

- ▶ Brenda Nordin is submitting an application on our behalf to obtain grant funds. Applications are due in November and selections will be made at the beginning of 2021.
- ▶ She believes we have a very strong chance of receiving grant funds. Funds would cover pre and post survey, cost of materials and chemicals. The project would be of no cost to the lake with the exception of labor time constructing the barriers.
- ▶ There is a hopeful new chemical on the market that selectively targets EWM and is effective at a larger scope of conditions. Also, a fraction of the chemical is needed.
- ▶ Steve O'Shea, Gary Sturtevant, and Mark Emerick are prepared to construct the barriers before spring if we are selected for the grant.

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Education

we can all play a part in preventing the spread of ewm

Here are a few tips....

- ▶ Know how to identify EWM, and distinguish it from other aquatic plants
- ▶ Clean your boat, motor, and trailer to remove aquatic hitchhikers whenever you launch or remove your boat from the water
- ▶ Pick up floating fragments, each fragment can re-root, and form a new plant
- ▶ Avoid areas where EWM is near the surface, fragments cut by propellers will float and re-root. Last year colored buoys were placed at sites to mark dense patches and surface EWM.
- ▶ Monitor your lakefront, and pull any new EWM plants you find growing there

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Education - Know how to identify EWM, and distinguish it from other aquatic plants



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Dash - diver assisted suction harvesting



A proven non-chemical means of maintaining post-treatment EWM levels

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WAMSCO Membership and Goals

Waterways Association of Menominee and Shawano Counties

- ▶ MLA is still participating in WAMSCO and it has provided a wealth of knowledge in our efforts to combat EWM.
- ▶ Website: wamsco.org

“To facilitate education, research, cooperative sharing of resources and best practices between organizations, individuals, government bodies and the general public of Menominee and Shawano Counties inland water bodies, environs, groundwater, wetlands, and watersheds for now and future generations, including, but not limited to: esthetic beauty, water quality, shoreline protection, wildlife habitat, and fisheries.”

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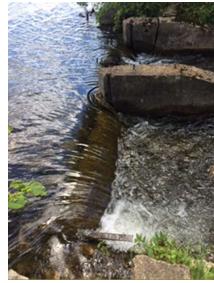
Fish Survey was completed this spring

Species	Number of fish	Average Length (in.)	Smallest (in.)	Largest (in.)
Black crappie	77	8.7	5.7	11.7
Bluegill	326	6.6	3.5	10.3
Bluegill x Pumpkinseed	1	6.5	6.5	6.5
Bowfin	45	21.7	14.3	27.6
Lake chubsucker	19	7.7	5.5	9.3
Largemouth bass	6	14.5	8.0	21.7
Northern pike	123	15.4	9.2	29.1
Pumpkinseed	64	6.9	3.6	8.5
Rock bass	128	7.4	3.5	10.3
White sucker	25	14.3	7.4	22.2
Yellow bullhead	31	9.0	4.3	11.8
Yellow perch	1	8.3	8.3	8.3
Grand Total	846	9.4	3.5	29.1



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Dam damaged at outlet to Lindsay Creek



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Jeremy Johnson was Contacted

- ▶ Jeremy and Miles Winkler of the WDNR looked the dam over.
- ▶ Miles is investigating background information on the dam as to who has ownership of the dam.
- ▶ If the Bureau of Indian Affairs owns it, it may be a Tribal matter which would be brought to Jeremy Pyatskowit's attention.
- ▶ If it is a federal matter, the Army Corps of Engineers would be involved.
- ▶ According to Jeremy Johnson, he hopes the issue is addressed next spring or summer

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Compost Sites

- ▶ Legend Lake's compost is the closest - Saturday 10-2 through sept
 - ▶ Oct.-Nov Saturdays 9-4 & Wednesdays 10-4
 - ▶ \$50 fee for year. Free fill and compost (shovel only).
- ▶ Shawano county landfill is free for leaves, possibly a fee for branches. You can get top soil there as well. It is located on the south shore of Shawano on Rusch Rd off of Green Bay (Hwy 22).
- ▶ Don't dump across the road, that is tribal land and we want to respect our neighbors

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Safe Boating and Lake Rules

Moshawquit Lake does have county ordinances that apply to our lake and differ from state laws.

- Wake and towing hours 10am to 7pm
- Must stay 200' from the shoreline when towing or creating a wake
- Drive in the counter clockwise direction around the lake to help keep the flow.
 - Reminder:
- Towing behind a PWC: Must be a three person PWC and include a spotter.

There were unfortunate occasions in the past of near misses and inattentive drivers looking back at who they are towing and not where they were going. Please use a spotter and drive carefully!

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Motion to Adjourn?

- ▶ Any questions or comments?