MUD HEN LAKE REHABILITATION DISTRICT MEETING

6/13/2020

Meeting was called to order at the Daniels Town Hall on Saturday, 6/13/2020 at 10:00 am by Mike Huber with 30 members in attendance.

Secretary's report was read by Mary Sagstetter. Motion was made to approve Secretary's report by Russ Unger. Motion was seconded by Steve Hampton. Motion carried.

Treasurer's report was read by Kandy Unger.

Current balances: Checking: \$979.69 Savings: \$11,689.34 Total of \$12,669.03

See Quarterly Report is posted on Town of Daniels website in meeting minutes.

Motion was made to approve Treasurer's report by Jacky Enke. Motion was seconded by Russ Unger. Motion carried.

Old Business:

1. **Purple Loosestrife** – Guest Speaker from Burnett County Land and Water Department - Tom Boisvert. Tom shared a slide presentation about Purple Loosestrife. Tom answered questions from attendees regarding if Purple Loosestrife is on our lake – yes was the answer. He also shared the options for addressing the maintenance (with Beatles) or eradication of his invasive species. He explained about the spray used. Presentation and handout are posted on Town of Daniels website in meeting minutes.

Discussion occurred as to the best date to remove the Purple Loosestrife from the lakeshore and surrounding areas. It was decided that Aug 8, 2020 before the Mudhen Lake Annual meeting would be a good time. The Annual meeting will be moved to 1 PM in the afternoon and the removal will take place at 8 AM in the morning on Aug 8th. Email notification and reminders will be sent to the landowners that have provided emails to the Board.

Tom also mentioned that MudHen Lake has another invasive species – Curly Pond Leaf. This information is contained in the MUDHEN Aquatic Plant Management Plan and is due to be renewed in 2023. This report can be viewed online.

- 2. Lake Landing Update Mike Huber shared that the concrete pads (4 ft x 12ft) laid side by side appear to be working well as boats have been able to get in and out of the lake with little complaints coming to him.
- 3. **Elect Member to the Board** Ryan Tjader stated interest in being a member of the Board. Kandy Unger Nominated Ryan. The nomination was seconded. We welcomed Ryan Tjader to the MudHen Lake Rehab board.
- 4. **Planning Committees** Discussion occurred for building Committees to work on projects such as the Purple Loosestrife and the Aquatic Plant Management. It was suggested an email be sent out to see who would be interested in being on the committee and that the responsibilities be listed.

New Business:

1. Lake Level – Discussion occurred regarding the current lake level. Residents are concerned as the water is currently literally running out of the lake. It was mentioned that MudHen lake was the only lake in the area that was low. Other lakes are full, and residents are worried about flooding and MudHen is low.

Mike Huber shared the Tamarac Land Surveying report that is done each year from 1984 – 2019 that shows the fluctuation of the lake level. Survey is posted on Town of Daniels website in meeting minutes.

Others offered that we had light snow this year and very little rain to date.

The topic of the beaver damn came up and Mike shared the history of taking out a portion of the beaver damn pursuant to the recommendation from the Burnett County DNR. This was initiated by residents worried about ice heaves in the spring and it was brought to Mike attention and this was the solution the DNR recommended. It was mentioned that at one time, the residents voted for an acceptable level of the lake, which is hard to manage if there is no structure /damn to regulate.

Discussion continued about building a control structure to hold the water in the lake. Mike shared that he had contacted the DNR to get more information about a water control structure, sharing that it is very costly, and many approvals would be needed to obtain. Email communications are posted on Town of Daniels website in meeting minutes.

Mike asked Craig Duran to share his perspective as he is the landowner whose land is on either side of the waterway of the damn. Craig mentioned that someone has been back in that area on different occasions putting boards on and then taking boards off. Mike reminded everyone that that is trespassing on private property. Craig shared that he has recently put up cameras to watch the area. Mike also shared that someone had place sandbags, rocks and sticks in the culvert on MudHen Lake Road to prevent the water from running out. He reminded everyone that this is a Federal Offense. Also, this will not stop the water from running out it will mostly likely just cause more damage at the culvert – there is the potential this could wash out the culvert.

Discussion moved on to creating a Lake Level Committee research and then presenting options as to potential solutions. Deb Luziniski agreed to lead the Lake Level Committee and requested Mike's email communications with the DNR be provided to her. Ryan Tjader has a MudHen Lake Community FACEBOOK page that Deb will use for getting volunteers to be on the committee with her.

Mike Huber adjourned the meeting.

Respectfully Submitted,

Mary Sagstetter

Secretary

Upcoming Meetings: August 8, 2020 / October 10, 2020

MUDHEN LAKE ILIDS (lake Camera) report located at:

https://drive.google.com/open?id=16ts2jBHGSaZ7TccjX5dKI9bXGwpX3-t5947VKtJveZQ

MUDHEN Aquatic Plant Management Plan: 2018 – 2023:

https://www.burnettcounty.com/DocumentCenter/View/7374

MUDHEN LAKE REHAB DISTRICT QUARTERLY REPORT

5/31/20			Total Beginning \$10,575.80	g Balance	Checking Baland	ce	Savings Balance \$9,596.11	2
Date	Description of Deposit or Expense	Check #	Received	Expense	Received	Expense	Received	Expense
				-		-		<u>-</u>
03/03/20	Taxes		\$2,092.96				\$2,092.96	
03/31/20	Interest		\$0.09				\$0.09	
04/30/20	Interest		\$0.09				\$0.09	
05/31/20	Interest		\$0.09				\$0.09	
	Takal		62.002.22	to oc	60.00	¢0.00	£2.002.22	\$0.00
	Total		\$2,093.23	\$0.00	\$0.00	\$0.00	\$2,093.23	\$0.00
	Total				Checking		Savings	
	Beginning Balance		\$10,575.80		Beginning	\$979.69	Beginning	\$9,596.11
	+ Total Receipts		\$2,093.23		+ Receipts	\$0.00	+ Receipts	\$2,093.23
	Sub total		\$12,669.03		Sub total	\$979.69	Sub total	\$11,689.34
	- Total Expenses		\$0.00		- Expenses	\$0.00	- Expenses	\$0.00
			\$12,669.03		Ending Bal.		Ending Bal.	\$11,689.34



Purple Loosestrife (Lythrum salicaria L.)

Description: Purple loosestrife is a perennial wetland plant in the Lythraceae family, growing to about 8 feet tall. Stems are woody, and 4-sided (rarely 6-sided in very large plants). Leaves are opposite or occasionally in whorls of 3, with smooth margins and no leaf stalk. Each flower has six petals, and many whorls of these flowers bloom at the same time. Large plants may have many pink-purple flower spikes. Fruit capsules contain thousands of seeds each.

North American Distribution: Nearly all U.S. states and the southern Canadian provinces. Reported as far north as 65°N latitude.



Purple loosestrife flowers have six wrinkled, pink-purple petals.



Golden Sands
Resource Conservation
& Development Council, Inc.

Purple loosestrife produces tall flower spikes and stands up to 8 feet tall.

Dispersal Vectors: Purple loosestrife seeds probably arrived in North America from Europe, in heaps of soil used for ship ballast. It also may have been intentionally imported for ornamental use, medicinal use, or use by beekeepers. Large purple loosestrife plants can produce over two million wind-dispersed seeds per year.

Ecological Impacts: Purple loosestrife can rapidly colonize new areas, displacing native vegetative communities. In many wetlands, purple loosestrife has become the dominant species. Nesting habitat quality can decrease as the result of purple loosestrife introduction, reducing the waterfowl and shorebird communities. Some cultivars of purple loosestrife can also hybridize with our native winged loosestrife (*Lythrum alatum*), reducing the native's genetic integrity.

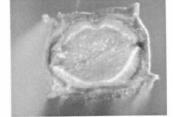
Control Options: Manual removal of small stands of purple loosestrife can be very effective. Plants in moist, soft substrate can often be pulled out by hand, including the roots. Very large plants may require some digging to remove the entire plant. Cutting flowerheads or seedheads can prevent seed dispersal in the short term, but plants will re-sprout from the roots and may produce new flower spikes.

Glyphosate or 2,4-D-based herbicides can be used; they should be approved for aquatic use to avoid unnecessary

harm to the ecosystem. For scattered plants, herbicide is best applied with a small bottle and a wicking tip that can be used to "paint" herbicide onto the plants.

Cutting the stem near the base and "painting" the cut stem is often effective. Most states require chemical use permits for any herbicide treatments in standing water or wetland situations.

Biological control of purple loosestrife is a widely used, effective method of control. Galerucella beetles feed on purple loosestrife without negatively affecting native wetland plants. Many states and organizations offer free assistance to volunteers looking to raise Galerucella beetles for local release into infested wetlands.



Purple loosestrife stems are woody and nearly square.

Additional Information:

Mai, T.K., Lovett-Doust, J., Lovett-Doust, L., and Mulligan, G. A. 1992. The biology of Canadian weeds. 100. *Lythrum salicaria*. Can. J. Plant Sci. 72: 1305-1330

Wisconsin Department of Natural Resources. Purple loosestrife biocontrol. http://dnr.wi.gov/topic/invasives/loosestrife.html

Photo credit: Paul Skawinski

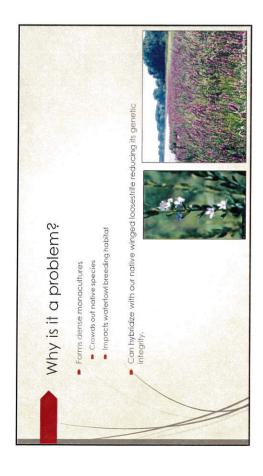
This Quick Guide is part of a series on aquatic invasive species, and may be reproduced for educational purposes. Visit us at www.uwsp.edu/uwexlakes/clmn or www.goldensandsrcd.org/our-work/water to download this series of handouts.

Developed by Golden Sands Resource Conservation & Development (RC&D) Council, Inc. as part of an aquatic invasive species (AIS) education program, supported by an AIS grant from the Wisconsin Department of Natural Resources.

PL-1-14



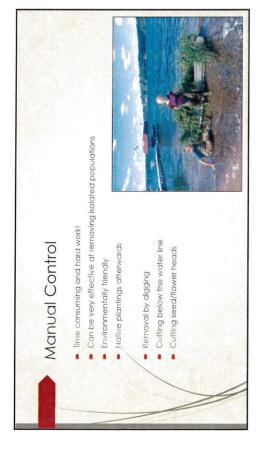








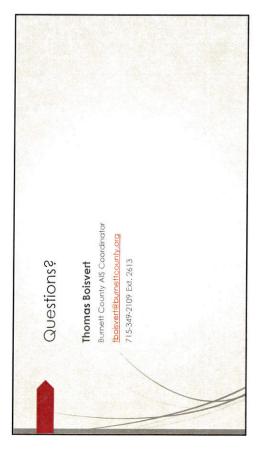












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DATE	LAKE ELEV. (LOCAL DATUM)	NAVD88 LAKE ELEV.
July 17, 2019	97.5	969.7
July 3, 2018	97.7	969.9
July 5, 2017	97.6	969.8
July 5, 2016	97.6	969.8
July 9 2015	98.1	970.3
July 4 2014	97.8	970.0
July 11 2013	97.8	970.0
July 3 2012	97.9	970.1
June 30 2011	97.9	970.1
July 5 2010	97.9	970.1
July 2, 2009	97.7	969.9
July 3, 2008	97.9	970.1
June 27, 2007	97.1	969.3
July 25, 2006	98.3	970.5
June 30, 2005	98.4	970.6
July 2, 2004	98.0	970.2
August 21, 2003	97.9	970.1
July 11, 2002	98.1	970.3
June 30, 2001	98.1	970.3
July 19, 2000	98.4	970.6
July 2, 1999	97.9	970.1
June 30, 1998	97.7	969.9
June 27, 1997	97.8	970.0
July 3, 1996	98.4	970.6
June 27, 1995	98.0	970.2
July 1, 1994	98.3	970.5
July 9, 1993	97.7	969.9
July 3, 1992	97.8	970.0
July 3, 1991	98.1	970.3
June 29, 1990	97.9	970.1
June 28, 1989	97.7	969.9
July 7, 1988	96.9	969.1
June 8, 1987	97.1	969.3
July 1, 1986	97.3	969.5
June 8, 1985	98.1	970.3
July 21, 1984	97.6	969.8

Mike Huber

From:

Hoffman, Steven R - DNR <Steven.Hoffman@wisconsin.gov>

Sent:

Friday, May 29, 2020 1:37 PM

To:

Mike Huber

Cc:

Hart, Jacob R - DNR; Hawley, Andrew C - DNR; Druffner, Jacob D - DNR; Anderson, Kyle

O - DNR; Roberts, Craig M - DNR

Subject:

RE: Olson Flowage

Mike:

You had also asked about water issues on Mud Hen Lake.

Another DNR source of information may be Jake Druffner ((715) 461-0159) the water regs and zoning engineer located in Spooner.

If you are looking at some sort of water control structure on the lake Craig Roberts ((715) 416-0351) is the Fisheries Biologist who covers Burnett County.

Craig would be able to provided input on fish passage impacts of a structure.

Both Jake and Craig are copied on this message.

Best of luck with all the water issues.

Please feel free to call back if you have any additional questions.

Steve

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Steven R. Hoffman

St. Croix Area Wildlife Supervisor Wisconsin Department of Natural Resources 325 State Hwy 70; Grantsburg, WI 54840 Phone: 715-463-2899 Cell Phone: 715-431-0748

Cell Phone: 715-431-0748 steven.hoffman@wisconsin.gov



From: Anderson, Kyle O - DNR < Kyle O. Anderson@wisconsin.gov>

Sent: Friday, May 29, 2020 1:28 PM

To: mhuber@wsbeng.com

Cc: Hoffman, Steven R - DNR <Steven.Hoffman@wisconsin.gov>; Hart, Jacob R - DNR <Jacob.Hart@wisconsin.gov>; Hawley, Andrew C - DNR <Andrew.Hawley@wisconsin.gov>
Subject: Olson Flowage

Hi Mike nice talking with you today. As discussed on the phone Olson Road Flowage is own by Burnett County Forestry. I can have one of my employees check the structure and remove any boards that may be left in the tube. If you need to manipulate the end of the structure to make it more accessible for debris removal that makes sense to me. Hope the project goes well.

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Kyle Anderson Wisconsin Department of Natural Resources Glacial Lake Grantsburg Property Supervisor 102 East Crex Ave. Grantsburg, WI 54840

Phone: (715) 463-2896 Cell Phone: (715)-410-8320 KyleO.Anderson@Wisconsin.gov



Mike Huber

From:

Druffner, Jacob D - DNR < jacob.druffner@wisconsin.gov>

Sent:

Thursday, June 11, 2020 3:37 PM

To:

Hoffman, Steven R - DNR; Mike Huber

Cc:

Hart, Jacob R - DNR; Hawley, Andrew C - DNR; Anderson, Kyle O - DNR; Roberts, Craig

M - DNR; Ferris, Dave - DATCP; Harrington, Dan - DNR

Subject:

RE: Olson Flowage

Hi Mike,

Thanks for reaching out. As Steve stated, ownership and water level desires are always significant details associated with construction of a dam.

If the proposed dam is located on a navigable body of water (as typically determined by the Regional Water Management Specialist) a permit and plan approval will be needed. If the proposed dam will be located on a non-navigable body of water, just a plan approval is needed. A plan approval would consist of hydrology and hydraulic calculations and plans and specs designed by a professional engineer in the State of Wisconsin.

The application may need to include items such as impacts on wild rice (if present), fisheries wildlife, wetlands, endangered and threatened resources, historical and cultural resources, and floodplains (if present).

Proof of financial capability would need to be provided to ensure the dam could be maintained in good condition for no less than 10 years.

Flowage and potentially flooding easements would also be needed from land owners above the dam.

The desired water level will affect the hydraulic and structural heights of the dam and how much water is being impounded. Dams are considered small or large based on the structural height of the dam and the maximum storage impounded. NR 333.02 describes large dam specifications.

If the dam is considered large, a dam failure analysis, emergency action plan, and inspection operation and maintenance plan would also be needed.

More information can be found at: https://dnr.wi.gov/topic/dams/newConstruction.html

Hope this is helpful for your meeting.

Jacob Druffner
Phone: (715) 461-0159
jacob.druffner@wisconsin.gov

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From: Hoffman, Steven R - DNR < Steven. Hoffman@wisconsin.gov>

Sent: Thursday, June 11, 2020 2:45 PM

To: Mike Huber < MHuber@

Cc: Hart, Jacob R - DNR <Jacob.Hart@wisconsin.gov>; Hawley, Andrew C - DNR <Andrew.Hawley@wisconsin.gov>; Druffner, Jacob D - DNR <jacob.druffner@wisconsin.gov>; Anderson, Kyle O - DNR <KyleO.Anderson@wisconsin.gov>; Roberts, Craig M - DNR <Craig.Roberts@wisconsin.gov>; Ferris, Dave - DATCP <dferris@burnettcounty.org> Subject: RE: Olson Flowage

Mike:

I talked to Dave Ferris, Burnett County Land and Water, today and copied him on this message.

Dave has not had any calls on Mud Hen Lake this year yet, but knows there has been a long history of discontent with water levels on the lake.

This is another no win situation as there are some residents who would like higher water levels and some who would like lower water levels.

Dave said there is a lake district in place for Mud Hen Lake so that entity could potentially be a dam owner and operator.

I agree with you that it would not be a good idea to go the route of a water control structure on the lake.

Someone else will have to speak to the permitting requirements and other pre-construction work that needs to be done before a dam could be placed on the lake if it decided to go that route.

Best of luck with the meeting.

Steve

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Steven R. Hoffman St. Croix Area Wildlife Supervisor Wisconsin Department of Natural Resources 325 State Hwy 70; Grantsburg, WI 54840 Phone: 715-463-2899 Cell Phone: 715-431-0748

steven.hoffman@wisconsin.gov



From: Mike Huber

Sent: Thursday, June 11, 2020 12:03 PM

To: Hoffman, Steven R - DNR < Steven. Hoffman@wisconsin.gov>

Cc: Hart, Jacob R - DNR < <u>Jacob.Hart@wisconsin.gov</u>>; Hawley, Andrew C - DNR < <u>Andrew.Hawley@wisconsin.gov</u>>; Druffner, Jacob D - DNR < <u>jacob.druffner@wisconsin.gov</u>>; Anderson, Kyle O - DNR < <u>KyleO.Anderson@wisconsin.gov</u>>;

Roberts, Craig M - DNR < Craig.Roberts@wisconsin.gov>

Subject: RE: Olson Flowage

Gentlemen,

Thanks Steve for putting me in contact with some of your fellow DNR employees. May be you could all add some information about our current conditions on Mudhen Lake The Lake is currently about 1 to 1.5 feet below normal water

level. I have been telling people the main reason is for the lack of precipitation since the middle of February. We did not have any snow in March/April and have not really had much rain since then either. We have our Lake Association meeting on Saturday and I know there will be questions about putting in a control structure. Please touch on that idea if you would by explaining the process. I am not in favor of such an idea as I work in the civil engineering field and know what the costs would be and have no idea how it could be paid for even if it could be done. I will share any information you provide with the people who attend the meeting if that is alright with you. Thank you for your time.

Town of Daniels chairman and board member of the Mudhen Lake Association



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Sent: Friday, May 29, 2020 1:37 PM

To: Mike Huber < MHuber@

Cc: Hart, Jacob R - DNR < <u>Jacob.Hart@wisconsin.gov</u>>; Hawley, Andrew C - DNR < <u>Andrew.Hawley@wisconsin.gov</u>>; Druffner, Jacob D - DNR < <u>jacob.druffner@wisconsin.gov</u>>; Anderson, Kyle O - DNR < <u>KyleO.Anderson@wisconsin.gov</u>>;

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Steve

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St. Croix Area Wildlife Supervisor
Wisconsin Department of Natural Resources

325 State Hwy 70; Grantsburg, WI 54840 Phone: 715-463-2899

Cell Phone: 715-431-0748 steven.hoffman@wisconsin.gov



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To: mhuber@

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