

Horsehead Lake Protection and Rehabilitation District #1

Commissioner Minutes as of 4/9/2022

The Horsehead Lake Protection and Rehabilitation District (HLPRD) commissioner meeting was called to order by Chairman Deb Bursik at 10:13 AM.

Members present:

Chairperson:	Deb Bursik
Treasurer:	David Averbeck
Secretary:	Kevin Collins
Town Board Commissioner:	Absent
County Board Commissioner:	Absent

This meeting was conducted electronically via Zoom. All referenced documents in the meeting notes can be found on the web shared storage Google Drive (https://drive.google.com/drive/folders/1RA8z41p8N2j6ki0GRgYItwa5_oJLbOwW?usp=sharing). You can request access to the files by contacting Kevin Collins and providing your email address.

- Motion to approve the meeting agenda by Dave Averbeck, seconded by Kevin Collins, approved unanimously.
- Motion to approve the minutes of the November 20th commissioner meeting by Dave Averbeck, seconded by Deb Bursik, approved unanimously.

Reports:

- Chairperson:
 - Deb referenced the emails that she had received showing pictures of fish killed during the winter this year. Several residents took pictures and reported fish kills by their shoreline. Chad Leanna, our new DNR fisheries rep, also reported via email that he had seen dead fish near the aerator system. Discussion ensued over addressing this problem.
 - Deb cancelled the fish stocking for this year based upon DNR recommendations and board approval.
 - Deb indicated that she was ready to contract TSB for weed harvesting this summer. This year, they are asking for a deposit of \$705. An alternative provider, Aquatic Plant Management, was determined to be unacceptable due to their tentative availability. Deb also pointed out there is a potential risk for of aquatic invasive species using either vendors equipment.

- Secretary:
 - Kevin reported that he had received some interesting videos from the DNR concerning dams. There was an introduction to dams followed by videos outlining the process of inspecting a dam for potential problems. Kevin posted the email to the google drive under the folder “DAM”. Our last inspection was in 2014 and the dam is generally re-inspected every 10 years.
 - Kevin also participated in a webinar on algae. <https://www.youtube.com/watch?v=3rLXM0aDxE> Kevin reported that the video provided insight on types of algae and other plants that look like algae. There was a couple of simple tests that lake owners can do to determine the types of algae.
 - Kevin also announced that he will not be seeking re-election as a commissioner in August.
- Treasurer:
 - Dave provided that latest Treasurer’s balance sheet (attachment A). Dave has been having trouble with Nicolet Bank, where they have charged him with interest and other charges. He is working through the issues but is not happy with the way Nicolet changes their electronic banking web sites without notification or user instruction.

Citizen’s Input Opportunity:

- None

Business items

- Lake Water Quality – Kevin presented a table of water quality testing that was conducted from April 2021 to present (attachment B). The lake water testing consists of 4 tests conducted for the DNR thru the Citizen’s Lake Monitoring Network (CLMN) and additional tests provided to Dr. Paul McGinley (UWSP). He will continue to conduct the CLMN tests this summer. A question was raised about conducting additional phosphorous and chlorophyll tests around the lake. Kevin will research this option. Attachment C contains the one winter dissolved oxygen that was done in 2022. Kevin stated HLPRD should be looking for a new person to conduct the winter tests as he is not able to get out during the winter to do these tests.
- Discussion of Ty Krajewski Presentation – It was agreed that the web zoom meeting was a great opportunity to discuss weed harvesting pros

and cons with the members of the HLPRD. We were expecting a little more direction from Ty as to best practices which did not occur. Deb was pleased with the number of participants at the meeting. It was agreed that we should try to provide future informational meetings, if the opportunity presents itself.

- Aerator - Dave has maintained that our aerator is undersized for the size of the lake, this year winter kills seems to validate his opinion. Discussion ensued of options. Assuming that the current system is undersized, determining the proper size is necessary. Also of concern, is the siting of a new system further north on the lake. Locating an aeration system on private property runs the risk of the property owner deciding that they no longer want to house the system. Another concern is finding “volunteers” to maintain the systems throughout the year. Dave agreed to put together a draft project requirements. Deb suggested that we get put together a committee to research the project.
- Comprehensive Plan – As part of the plan, we will be having two plant surveys conducted this year. An ESAIS study in late spring and a point intercept study during the summer. Deb will provide more information when it becomes available. Kevin has prepared a septic system flyer for the spring newsletter.

Next meeting is July 2nd, 2022 at the Sloan Community Center in Lake Tomahawk at 10:00AM.

The meeting was adjourned at 11:38am

Respectfully submitted,

Kevin Collins

Secretary

Horsehead Lake P&R District #1

Attachment A – Treasurers report

..\treasurer\20220409 HLPD 20220331 Treasurers Report.pdf

Income & Expenses Period 2 - Nov 18 - March 31

Treasurer's Report – April 2022

Horsehead Lake Protection & Rehabilitation District No.1

Period 2 = November 18 to March 31

Assets

Assets	Period Start	Period End	Change	Comments
Checking	\$1,863.13	\$427.66	-(1,435.48)	
Money Market	\$43,090.29	\$48,054.36	\$(4,964.07)	
Other – credit on credit card due to penalty reverse		\$28.00	\$28.00	due to auto-pay payment timing issue
Total Assets	\$44,953.42	\$49,009.02	\$4,055.60	

Income

Income this Month	Date	Via	Period	Comments
1 st tax settlement	02/04/22	Dep Checking	\$5,436.76	
2 nd tax settlement	02/18/22	Dep Checking	\$3,154.70	
Interest – Nov	11/06/21	Dep MM	\$0.91	
Interest – Dec	12/03/21	Dep MM	\$0.91	
Interest – Jan	01/03/22	Dep MM	\$0.91	
Interest – Feb	02/08/22	Dep MM	\$0.91	
Interest – March	03/03/22	Dep MM	\$0.91	
Other	02/09/22	Check	\$48.00	Workman's Comp insurance refund
Total Income this Period =			\$6,610.07	

Expenses

Administration and Operations Expenses	Date	Via	Period	Comments
Commissioners' Treasurer	12/01/21	2162	\$100.00	
Commissioners' President	12/09/21	E check	\$140.00	
Commissioners' Secretary	12/09/21	E check	\$100.00	
Total Administration & Operation Expense this Period =			\$340.00	

Information and Education Expenses	Date	Via	Period	Comments
web site	12/04/21	Credit Card	\$147.88	bluehost
Other – specify	02/22/22	Credit Card	\$157.46	Zoom yearly subscription
Total Information & Education Expense this Period =			\$305.34	

Lake Management Expenses	Date	Via	Period	Comments
Wisconsin Public Service – Dec	12/06/21	Online PMT	\$75.97	
Wisconsin Public Service – Jan	01/05/22	Online PMT	\$247.28	
Wisconsin Public Service – Feb	02/08/22	Online PMT	\$261.98	
Wisconsin Public Service – March	03/09/22	Online PMT	\$125.72	
Total Wisconsin Public Service - power for aeration system			\$710.95	
Rich stocking	04/07/22	E Check	\$81.98	catch and release signs
Deck Permit Application expenses	01/08/22	Credit Card	\$407.50	
Other – DO meter sensor membranes	12/24/21	E Check	\$81.98	DO meter sensor membranes
Total Lake Management Expense this Period =			\$1,227.41	

Contingency Expenses	Date	Via	Period	Comments
Other – specify	02/28/22	Credit Card	\$2.70	CC interest due to auto-pay timing issue
Total Contingency Expense this Period =			\$2.70	

Grand Total Expenses

Comments
Grand Total Expense this Period = \$1,941.45

Check for Balance This period

Comments
Grand Total Expense this Period = \$1,941.45
Income this period = \$6,610.07
Change in Assets this period = \$4,668.61
Check Income – Expense Must = Asset Change \$4,668.61 OK Balances

Attachment B

2021 Lake Water Testing

SAMPLE DATE	LOCATION	LONG	LAT	TEMP (F)			SECCHI	CHLOROPHYLL µg/L	PHOSPHOROUS mg/L	NOTES
				@3 ft	@ 6 ft	@ 9 ft				
10-Apr	deep hole	45.47918	-89.3512	54.6	53.7	53.4	6			
19-Jun	deep hole	45.47918	-89.3512	75.5	75.2	71.6	6.00	8.41	0.0371	
19-Jun	test 1	45.78473	-89.5863	75.0	75.0	74.8	6.00			
19-Jun	test 2	45.78177	-89.5833	75.9	75.3	75.0	7.00			
19-Jun	test 3	45.78172	-89.5882	75.2	75.0	74.6	6.25			
19-Jun	test 4	45.46745	-89.3515	75.2	75.0	74.6	6.25			
1-Jul	deep hole	45.47918	-89.3512	77.0	74.1	70.1	4.00			
1-Jul	test 1	45.78473	-89.5863	76.2	73.9	69.9	4.50			
1-Jul	test 2	45.78177	-89.5833	78.8	76.2	72.6	4.75			
1-Jul	test 3	45.78172	-89.5882	77.7	75.2	71.9	5.00			
1-Jul	test 4	45.46745	-89.3515	75.9	74.1	70.5	4.25			
13-Jul	deep hole	45.47918	-89.3512	79.5	76.8	72.6	5.25			2:45pm CLEAR WIND sw 10mph (variable) 80 F
13-Jul	test 1	45.78473	-89.5863	79.5	77.0	74.1	5.25			
13-Jul	test 2	45.78177	-89.5833	78.8	76.2	72.6	4.75			
13-Jul	test 3	45.78172	-89.5882	77.7	75.2	71.9	5.00			
13-Jul	test 4	45.46745	-89.3515	78.8	75.2	71.9	4.50			
23-Jul	deep hole	45.47918	-89.3512	75.5	75.2	74.1	6.50	6.30	0.0367	10:30 OVERCAST/CLEARING WIND s <5MPH 76 F
23-Jul	test 1	45.78473	-89.5863	75.5	75.2	74.4	6.75			
23-Jul	test 2	45.78177	-89.5833	75.7	75.3	74.4	7.00			
23-Jul	test 3	45.78172	-89.5882	75.2	75.0	74.6	6.50			
23-Jul	test 4	45.46745	-89.3515	75.3	75.3	74.8	7.00			
15-Aug	deep hole	45.47918	-89.3512	76.1	73.7	72.6	5.00			3:00PM clear, wind 10-15 mph from south, 80 deg F
15-Aug	test 1	45.78473	-89.5863	76.1	74.1	71.9	5.25			
15-Aug	test 2	45.78177	-89.5833	75.7	73.4	72.3	5.25			
15-Aug	test 3	45.78172	-89.5882	75.7	73.5	72.6	4.50			
15-Aug	test 4	45.46745	-89.3515	76.2	73.4	72.6	5.00			
30-Aug	deep hole	45.47918	-89.3512	73.0	73.0	72.3	4.00	22.50	0.0411	
30-Aug	test 1	45.78473	-89.5863	73.2	72.8	72.5	5.00			
30-Aug	test 2	45.78177	-89.5833	73.0	72.6	72.5	4.00			
30-Aug	test 3	45.78172	-89.5882	72.8	72.5	72.3	4.50			
30-Aug	test 4	45.46745	-89.3515	72.8	72.8	72.5	4.25			

Attachment C.

[2022 ICE DO Testing](#)

2022 ice testing						
date	Lat	Long	Date	Depth	DO mg/L	T (deg F)
Deep Hole	45.78360	-89.58540	1/4/2022	1	7.72	35.2
				3	7.27	37.1
				5	5.09	39.3
				8	0.86	41.3
				10	0.13	43
Deep Hole - South ~ 580 ft s of deep hole	45.78199	-89.58550		1	7.99	33.9
				3	7.19	37.1
				5	6.32	39
				8	1.99	40.9
				10	0.26	41.5
Collins 1 ~ 370 ft east deep hole south	45.78174	-89.58417		1	8.29	33.9
				3	6.46	36.7
				5	3.5	39.1
				8	1.06	41.2
				10	0.15	41.5

