



Sawyer County

Agenda

Land, Water, & Forest Resources Committee Meeting
Wednesday, June 12, 2019 @ 8:30 AM
Assembly Room

Page

-
1. **CALL TO ORDER**
 2. **CERTIFICATION OF COMPLIANCE WITH THE OPEN MEETINGS LAW**
 - a. [current meeting notice](#)
 3. **PLEDGE OF ALLEGIANCE**
 4. **PUBLIC COMMENTS**
 5. **MINUTES FROM PREVIOUS MEETING**
 - a. [5-8-19 minutes](#)
 6. **EVENTS - DISCUSSION AND POSSIBLE ACTION**
 - a. 24th Annual Seeley Lions PreFat Mountain Bike Race- August 17th 2019
 - b. Chequamegon 100- June 15th 2019
 7. **SAWYER COUNTY TREASURERS DEPARTMENT**
 - a. Over the Counter Land Sale (Action Item)
[Town of Bass Lake Tax ID#994](#)
 8. **LAND RECORDS AND COUNTY SURVEYOR DEPARTMENT REPORT**
 9. **SAWYER COUNTY FORESTRY DEPARTMENT**
 - a. Recreational Trails Report
 - Motorized
 - Non-motorized

9 - 11

- b. County Forestry Report
[May 19 forestry report](#)
- c. DNR Forestry Report

10. ZONING/ CONSERVATION DEPARTMENT

12 - 16

- a. Transferring Wildlife Damage Program to APHIS (Discussion & Action Item)
- b. Billy Boy Dam Inspection (Discussion Only)
[Billy Boy 2018 Inspection Concurrence Letter](#)
- c. County Report
- d. USDA report
- e. LCO report

11. OTHER TOPICS FOR DISCUSSION

12. FUTURE TOPICS

- a. Well Head Protection Ordinance

13. ADJOURNMENT

A quorum of the County Board of Supervisors or of any of its committees may be present at this meeting to listen and observe. Neither the Board nor any of the committees have established attendance at this meeting as an official function of the Board or committee(s) or otherwise made a determination that attendance at the meeting is necessary to carry out the Board or committee's function. The only purpose for other supervisors attending the meeting is to listen to the information presented. Neither the Board nor any committee (other than the committee providing this notice and agenda) will take any official action with respect to this noticed meeting.

Land, Water, and Forest Resources Committee Mission Statement:

"Develop, guide and implement policies that protect and ensure the sustainability of our bio-diverse community."

Carol Williamson
Sawyer County Clerk
10610 Main Street, Suite 10
Hayward, Wisconsin 54843
cwilliamson@sawyercountygov.org
telephone 715.634.4866
toll free 877.699.4110



May 31, 2019 2:05 pm)

Note: The following committees, commissions, and boards may take action on any or all items listed on the agendas for the meetings included in this notice.

Sawyer County Record pkilian@sawyercountyrecord.net	WRLS Radio j.irvine@cheqnet.net	WOJB Radio frontdesk@wojb.org
Sawyer County Gazette gazette@centurytel.net 4866	WHSM Radio radio@whsm.com	members – Sawyer County Board of Supervisors

The **Public Works Committee** of the Sawyer County Board of Supervisors will hold a special meeting on Wednesday; June 5, 2019; at 6:00 p.m.; in the Assembly Room of the Sawyer County Courthouse. The agenda will include Sawyer County Airport Negotiations. **Closed Session**, pursuant to Section 19.85 (1)(e) to negotiate the terms of the Sawyer County Airport Fixed Base Operator Agreement, the Management Agreement, and the Sawyer County Municipal Airport Minimum Standards and Procedures Ordinance; Open Session: Airport-Possible Discussion and Possible Action on the Sawyer County Airport Fixed Base Operator Agreement, Management Agreement, and the Sawyer County Municipal Airport Minimum Standards and Procedures Ordinance.

The **Public Safety Committee** of the Sawyer County Board of Supervisors will meet on Thursday; June 6, 2019; at 8:30 a.m.; in the Assembly Room of the Sawyer County Courthouse. The agenda will include: Meeting agenda; Public Comments; Minutes of May 2, 2019 meeting; Judge's report; Clerk of Court's Office reports; District Attorney's Office report; Child Support Department Report; Sheriff's Department report, including Jail report and Animal Control report; Coroner's report; Emergency Management Department report, including Communications System Report; Criminal Justice Coordinating Council update, Ambulance Service Department report; Future Agenda Items; Correspondence, Reports from Conferences and Meetings, other matters for Discussion Only.

The **Public Works Committee** of the Sawyer County Board of Supervisors will hold a special meeting on Wednesday; June 12, 2019; at 4:00 p.m.; in the Assembly Room of the Sawyer County Courthouse. The agenda will include a presentation from Adventure Architects on options for expanding courtroom facilities.

The **Public Works Committee** of the Sawyer County Board of Supervisors will meet on Wednesday; June 12, 2019; at **6:00** p.m.; in the Assembly Room of the Sawyer County Courthouse. The agenda will include a **PUBLIC HEARING** in the matter of State and Federal Aid for the Improvements at the Sawyer County Airport. Additional agenda items will be added at a later date.

Carol Williamson, Sawyer County Clerk

Any person wishing to attend whom, because of a disability, requires accommodation, should call the Sawyer County Clerk's Office (715.634.4866) at least 24 hours before the scheduled meeting so appropriate arrangements can be made.

Copies (by email) to Sawyer County Record, Sawyer County Gazette, WRLS, WHSM, WOJB, and the Hayward Library and Village of Winter for posting

**Minutes of the May 8th 2019 meeting of the Sawyer County
Land, Water and Forestry Resources
Committee Sawyer County Board of Supervisors
Assembly Room; Sawyer County Courthouse**



Committee Members Present:

Bruce Paulsen, Brian Bisonette, Elaine Nyberg, Marc Helwig, James Bassett

County Personnel Present:

Jay Kozlowski, Kyle Cummings, Jessica Kujala, Tim Seidl, Carol Williamson

Also Present:

Roy Zubrod, Don Stover, Linda Zillmer, Terrell Boettcher, David Zemaitis, Jan Holms, Don Mrotek, Katie Sly, Jerry Wright

Call to Order- Bruce Paulsen calls meeting to order 8:30 am.

Approval of April 10th Meeting Minutes- Motion by Bisonette, 2nd by Bassett to approve April minutes.
Motion carried

Events— *Birkie Youth Mt. Bike Camp, CAMBA Women's Weekend, Borah Epic Mt. Bike Race-* Motion by Bassett, 2nd by Helwig to approve events. Motion Carried

Sawyer County Treasurers Department- *NONE*

Land Records and County Surveyor Department - *NONE*

Sawyer County Forestry Department

Approval of 2019 Spring Timber Bids- Kyle Cummings presents the results of the 2019 spring timber sale bid opening, and recommends approval. Motion by Helwig, 2nd by Bassett to approve the bid results. Motion carried.

Recreational Trails Report- Done Mrotek give a brief statement about the trails in the area.

County Forestry Report- Cummings gives an overview of last month's activities.

Zoning/Conservation Department

Carlson Rd Dam- Tim Seidl speaks about the Carlson Rd Dam project, and state that he is working on putting the bid packet together for the project. (Information Only)

Tiger Cat Dam Update- Tim Seidl give a report on the grant for this project and gives an update on the numbers. (Information Only)

County Report- Jay Kozlowski give country report.

NRCS/ USDA report- *NONE*

LCO- Brian Bisonette gives an update.

Adjourned – Bruce Paulsen declares meeting adjourned

Northwoods Beach Land Sale List – 2018

legacy parcel identification number	abbreviated legal description	section township range	approx. acreage	minimum bid \$
	TOWN OF BASS LAKE			
02. 002-103-13 2000	Abendpost Beach Subdivision, Lot 20 Block 13	30.40.8	.069	300
03. 002-106-07 4000	Abendpost Beach Subdivision 1 st Addition, Lot 40; Block 7	31.40.8	.069	300
04. 002-106-11 1300	Abendpost Beach Subdivision 1 st Addition, Lots 13 and 14; Block 11	31.40.8	.138	600
05. 002-109-02 1900	Abendpost Beach Subdivision, 2 nd Addition, Lots 19-28, Incl, Block 2	31.40.8	.689	\$9,600
06. 002-109-13 2400	Abendpost Beach Subdivision 2 nd Addition, Lot 24; Block 13	31.40.8	.069	300
07. 002-109-39 1500	Abendpost Beach Subdivision, 2 nd Addition, Lots 15-26, Incl Block 39	31.40.8	.826	\$11,600
08. 002-109-42 3500	Abendpost Beach Subdivision 2 nd Addition, Lots 35 and 36; Block 42	31.40.8	.161	700
09. 002-136-06 0400	Dixon Beach Subdivision, Lots 4 & 5 Block 6	30.40.8	.138	600
10. 002-136-08 2600	Dixon Beach Subdivision, Lot 26; Block 8	30.40.8	.069	300
11. 002-136-09 3500	Dixon Beach Subdivision, Lots 35 and 36; Block 9	30.40.8	.138	600
12. 002-136-10 2100	Dixon Beach Subdivision, Lots 21 and 22; Block 10	30.40.8	.138	600
13. 002-145-15 2300	Janesville Beach Subdivision, Lots 23, 24, and 25; Block 15	30.40.8	.207	900
14. 002-145-15 2900	Janesville Beach Subdivision, Lot 29; Block 15	30.40.8	.069	300
15. 002-157-04 0900	Malar Beach Subdivision, Lots 9, 10, and 11; Block 4	30.40.8	.207	900
16. 002-157-05 1500	Malar Beach Subdivision, Lots 15 and 16; Block 5	30.40.8	.138	600
17. 002-157-17 0800	Malar Beach Subdivision, Lot 8; Block 17	30.40.8	.069	300
18. 002-157-17 2800	Malar Beach Subdivision, Lot 28; Block 17	30.40.8	.069	300
19. 002-169-03 3100	Rockford Beach Subdivision, Lot 5A; Block 3	30.40.8	.069	300

Real Estate Sawyer County Property Listing
 Today's Date: 5/7/2019

Property Status: Current
 Created On: 2/6/2007 7:55:02 AM

Description Updated: 8/24/2017

Tax ID:	994
PIN:	57-002-2-40-08-30-5 15-162-060400
Legacy PIN:	002136060400
Map ID:	-8.6.4 & 5
Municipality:	(002) TOWN OF BASS LAKE
STR:	S30 T40N R08W
Description:	DIXON BEACH LOTS 4 & 5 BLK 6
Recorded Acres:	0.138
Calculated Acres:	0.138
Lottery Claims:	0
First Dollar:	No
Zoning:	(RR2) Residential/Recreational Two
ESN:	445

Tax Districts Updated: 2/6/2007

1	State of Wisconsin
57	Sawyer County
002	Town of Bass Lake
572478	Hayward Community School District
001700	Technical College

Recorded Documents Updated: 9/8/2016

JUDGMENT	
Date Recorded: 9/16/2015	397639
WARRANTY DEED	
Date Recorded: 6/2/1960	109422 100/88

Ownership Updated: 8/24/2017

SAWYER COUNTY	HAYWARD WI
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Billing Address:	Mailing Address:
SAWYER COUNTY	SAWYER COUNTY
10610 MAIN ST STE 10	10610 MAIN ST STE 10
HAYWARD WI 54843	HAYWARD WI 54843

Site Address * indicates Private Road

N/A

Property Assessment Updated: 6/16/2016

2019 Assessment Detail

Code	Acres	Land	Imp.
X3-EXEMPT COUNTY	0.138	0	0

2-Year Comparison

	2018	2019	Change
Land:	0	0	0.0%
Improved:	0	0	0.0%
Total:	0	0	0.0%

Property History

N/A

APPLICATION TO PURCHASE COUNTY-OWNED LAND

SAWYER COUNTY TREASURER'S OFFICE
P.O. BOX 935
HAYWARD, WI 54843-0935
715/634-4868

Gordon T Zimmerman Carla E. Zimmerman

PLEASE PRINT THE FULL NAME(S) AS YOU WANT IT LISTED ON THE DEED

7877 N Evergreen Ave Hayward WI
ADDRESS CITY, STATE, ZIP

715-558-7200
PHONE NUMBER

I HEREBY APPLY FOR THE PURCHASE OF ITEM NUMBER 9 ^{NWB} INDICATED ON THE SAWYER COUNTY LAND SALE LIST DATED 2018 DESCRIBED AS FOLLOWS:

DESCRIPTION	SECTION	TWNSHP	RANGE	ACRES
<u>DIXON Beach Subdivision</u> ^{LOTS} <u>4-5</u> ^{BLK} <u>6</u> <u>30</u> <u>40</u> <u>8</u> <u>14</u>				
<u>Town of Bass Lake</u>				
LEGACY PIN # <u>002136060400</u>				

I AM SUBMITTING PAYMENT, MADE PAYABLE TO THE SAWYER COUNTY TREASURER, OF \$ 630 ⁰⁰/₁₀₀ WHICH IS AT LEAST THE AMOUNT OF THE MINIMUM BID AT THE LAST ADVERTISED LAND SALE, PLUS A \$30.00 RECORDING FEE.

I have read and understand the NOTICE provision as printed below.

SIGNED: [Signature] DATED: 7 May 2019

NOTICE

The Land, Water and Forest Resources Committee of the Sawyer County Board of Supervisors reserves the right to accept or reject any and all bids. Parcels (and improvements thereto) are sold "as is" and are subject to any and all reservations, easements, and exceptions of record; and are subject to the provisions of Sawyer County zoning, sanitary code, and subdivision control ordinances and regulations, and to any and all federal, state and local government laws and regulations. By applying for purchase of parcels included in this list the successful applicant agrees to hold Sawyer County harmless for any and all costs and expenses that might be required for procurement of evidence of title, property boundaries, access rights and/or development of said access, and for the condition of the land and/or improvements thereto.

The buyer is responsible for inspection of property prior to the sale. Sawyer County does not guarantee title, acreage, access rights, location of property boundaries, or condition of the land and/or improvements thereto. Sawyer County will issue only quit claim deeds, conveying only whatever interest Sawyer County has in each parcel, upon sale of the parcels, and will reserve any existing road right-of-way and flowage easements. Acreage amounts listed for each parcel in the tax roll and on the land sale list, and tax parcel map depictions of parcels may not be accurate and are not guaranteed by Sawyer County.

1/16/2019 10:19 AM
W:\Treasurer\County Land Sale Lists & Forms\AND SALE OTC APPLICATION 2018.xls

Forestry Report May 2019

Active Sales

6 sales listed as active in month of May

Sale Date	# of Sales	Acres	Bid Value	Received	Est. Remaining
5/7/14	0	0	\$0	\$0	\$0
11/5/14	0	0	\$0	\$0	\$0
5/13/15	0	0	\$0	\$0	\$0
4/13/16	0	0	\$0	\$0	\$0
11/4/16	0	0	\$0	\$0	\$0
4/7/17	1	68	\$24,325.00	\$7,815.96	\$16,509.04
11/3/17	0	0	\$0	\$0	\$0
4/6/18	2	198	\$71,324.00	\$5,000.00	\$66,324.00
11/2/18	2	141	\$147,727.50	\$10,117.13	\$137,610.37
5/3/19	1	82	\$114,060.00	\$0	\$114,060.00
Totals	6	489	\$357,436.50	\$22,933.09	\$334,503.41

Inactive Sales

Sale Date	# of Sales	Acres	Bid Value	Received	Est. Remaining
5/7/14	1	38	\$19,940.00	\$28,800.16	\$0*
11/5/14	2	281	\$187,356.95	\$166,809.85	\$21,740.30*
5/13/15	2	102	\$57,030.00	\$29,615.31	\$27,414.69
4/13/16	6	553	\$472,989.25	\$393,087.28	\$103,356.63*
11/4/16	7	732	\$469,091.85	\$273,679.19	\$195,412.66
4/7/17	7	829	\$382,121.20	\$109,637.27	\$277,483.93*
11/3/17	13	1118	\$773,111.88	\$250,978.25	\$524,571.73*
4/6/18	13	1017	\$829,224.50	\$330,550.92	\$521,609.86*
11/2/18	17	1357	\$1,000,805.05	\$3,550.05	\$997,255.00
5/3/19	17	1493	\$839,710.55	\$0	\$839,710.55
Totals	85	7520	\$5,031,381.23	\$1,586,708.18	\$3,508,555.35

* Sales having overruns
 ** Sales having underruns
 Two sales closed out in May

Timber Sale Value (sold contracts-uncut) on file = \$3,843,058.76

<u>Timber Sale Revenue</u>	<u>May</u>	<u>YTD</u>
	\$321,790.83	\$683,997.53
<u>Christmas Trees/Boughs</u>	<u>May</u>	<u>YTD</u>
	\$0	\$0
<u>Performance Bond Cashed</u>	<u>May</u>	<u>YTD</u>
	\$0	\$0
<u>Other Revenue</u>		
<u>Camping/Firewood/Access</u>	<u>May</u>	<u>YTD</u>
	\$0	\$0
<u>Event User Fees</u>	<u>May</u>	<u>YTD</u>
	\$0	\$0
<u>Park Reservations</u>	<u>May</u>	<u>YTD</u>
	\$300	\$300
		<u>Budget</u>
Gross Timber Sale Revenue	\$683,997.53	\$1,800,000
10% Payment to Towns	\$68,399.75	
Net Timber Sale Revenue	\$615,597.78	
Total Other Revenue	\$0	
Timber Sale Revenue Billed Out	\$153,455.95	

Timber Sale Inspections	<u># month</u>	<u>Goal</u>	<u>YTD</u>
	9	10	88

Comments: Goal for timber sale inspections is generally one inspection per week while sale is actively being harvested or wood is being hauled.

Tract Establishment	<u># sales month/ YTD</u>	<u>acres month/YTD</u>	<u>Goal</u>
	10/29	665/2129	3600

Comments:

<u>May</u>	<u>YTD</u>	<u>Annual Goal</u>
1727	3202	6,000 acres

Oak Wilt:

Nothing new to report

Mountain Bike Trails:

Nothing new to report.

Birkie Trail:

Nothing new to report.

ATV/UTV/Snowmobile Trails:

Preparing bid packets for trail projects.

Parks:

Hatchery Park: Nothing new to report.

Nelson Lake Park: Nothing new to report.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
West Central Region
1300 W. Clairemont Ave
Eau Claire, WI 54701

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



May 21, 2019

Field File #57.25

Tim Seidl
Assistant Conservationist
Sawyer County
10610 Main Street, Suite #49
Hayward, WI 54843

Subject: Dam Safety Inspection – Billy Boy Dam, Field File # 57.25, Sawyer County located in Township 39 North, Range 8 West, Section 19, of Sand Lake, Sawyer County, Wisconsin.

Dear Mr. Seidl:

Thank you for your cooperation with the Department's owner required dam safety inspection. We have reviewed the inspection report prepared by Larry Gotham, P.E. from Morgan & Parmley, LTD which was submitted to the Department of Natural Resources on November 9, 2018. The report and recommendations meet the requirements of Ch. 31.19, Wis. Statutes for owner-responsible inspections of large dams. The report included specific recommendations for the dam.

The Billy Boy Dam is owned, operated, and maintained by Sawyer County. The dam is assigned a high hazard rating as a result from a Dam Failure Analysis (DFA) approved by the Department on June 7, 2012. This hazard rating was assigned due to lack of downstream zoning in place. The Department is currently in the process of evaluating hazard rating as zoning has been adopted and Sawyer County has determined development in the flood shadow has not occurred. The dam, as currently configured, is capable of passing 910 cfs through all spillways. This meets NR 333 requirements of passing the 100-year storm which is approximately 320 cfs for the Couderay River.

The Department has an approved Emergency Action Plan dated May 21, 2019 and no Inspection, Operation and Maintenance Plan on file for the Billy Boy Dam.

The Billy Boy dam maintains the Billy Boy Flowage, which is approximately 74 acres in size. The dam has a structural height of approximately 13 feet and has a maximum storage of approximately 53,600 acre-ft. The dam consists of an approximately 300' long earthen embankment with a concrete gated structure. There are five - 5' wide metals gates. Four of the gates are 2' in height and the other gate is 4' in height.

This concurrence letter includes the recommendations and timeframes in the directives to bring the dam into compliance with NR 333, Wisconsin Administrative Code. The directives are as follows:

DIRECTIVES**DATE DUE****1. Inspection, Operation, and Maintenance Plan****November 21, 2019**

An Inspection, Operation and Maintenance Plan (IOMP) is required for all large dams in Wisconsin. The Department does not have an IOMP on file for the Billy Boy Dam. Please note that the Department had previously extended the deadline to submit an IOMP to March 1, 2016, for compliance with NR 333 Wis. Admin. Code, since the inspection completed in 2014. The Department will extend the deadline one last time. Further delinquency may initiate the enforcement process to ensure compliance with NR 333 Wis. Admin. Code.

An IOMP should be developed and submitted to the Department for review and approval. The following are the guide book and template which may be used to assist you in developing an IOMP.

<http://dnr.wi.gov/topic/dams/documents/finaliomguidebook.pdf>
<https://dnr.wi.gov/topic/dams/documents/FinalIOMTemplate.pdf>

2. Vegetation**November 21, 2019**

Vegetation growth was observed on the upstream and downstream sides of the embankment. Some of the vegetation observed is woody in nature compared with the desired herbaceous plants that should be growing on a dam. This woody vegetation needs to be mowed or maintained in another fashion on a regular basis. This will enable monitoring of seepage or other future conditions that jeopardize slope stability.

Using the 2018 inspection photos, it is difficult to see if trees have been removed from the embankment as indicated should be done in the 2015 concurrence letter. All trees observed at or above the toe of the downstream embankment need to be removed. Tree root penetration loosens the soil of an embankment and creates a condition more conducive to surface water penetration and slope failure.

The trees and their associated root mass must be removed from the embankment. The holes left by the stump removal must be filled in with firmly compacted clayey soil, subsequently, covered with topsoil and grass seed to reestablish a grassy vegetative cover. The embankment will need to be mowed on a routine basis to prevent reoccurring growth of undesirable plants.

3. Soil Loss**November 21, 2019**

The inspection report indicates sediment losses adjacent to the wing wall tips and scouring occurring on west upstream embankment. These cavities should be filled with clayey soil to match adjacent existing grades, covered in geotextile fabric, and stabilized with rip-rap to prevent future erosion.

The top of the embankment appears to be settling over time causing a depression. Fill in the depressions with again clayey non-porous type soils, cover with topsoil to match the concrete deck elevation, and re-establish grassy vegetative cover. Monitor the depressional areas to determine if soil losses are occurring around the concrete cut off wall. The access road appears to be in almost impassible condition and should be repaired. Adequate access to the dam is essential for monitoring and emergency scenarios.

Seepage was noted during the previous 2014 inspection and was directed to be analyzed by an engineer and monitored. During the 2018 consulting engineer's inspection, it was concluded that the water is likely a result of the wetland adjacent to the toe of the downstream left embankment (facing downstream). During the time of the inspection there did not appear to be flow coming from the embankment area where the pooled water is located.

Continue to monitor the location and contact the Regional Water Management Engineer (Jacob Druffner) immediately if seepage flows are apparent and are increasing or become cloudy.

4. Spillway and Concrete Repairs

May 21, 2020

The spillway's gate chains had little tension and therefore gates appear to have been opened likely by hydrostatic pressures and flow overtime. One gate chain also was missing during the time of inspection. Replace gate chain and exercise gates 2 or more times per year. As stated in the inspection, the dam failure analysis (DFA) assumes the gates to be closed. Gates should be operated according to the order describing water levels and operations from 2-WP-929 from September 1, 1955.

Spalling and cracking previously repaired needs repair again. One example is the crack midway down the concrete walkway. This should also be monitored over time.

5. Benchmarks

November 21, 2019

Historical information about benchmarks from our field file and correspondence reveals that two permanent benchmarks still need to be established for the Billy Boy Dam. One of the benchmarks should be installed on the dam and one off the dam. The benchmark off the dam is not to be associated with anything installed in a tree due to movement or land use changes overtime.

There are four benchmarks listed for the dam in our database (803-A, 803-C, 803-H, and 803-I) (Geomarks table below). Benchmark 803-A appeared to be the only benchmark on the dam structure itself. However, the 1994 inspection report reveals this brass monument on the west end of the walkway was destroyed. The Billy Boy Dam hydrology, and Regional Flood Elevation (RFE) determination for lakes upstream of Billy Boy Dam was approved in March 12, 2009. This document lists the RFE based upon benchmark 803-A and vertical datum NGVD29 (Table 7).

In previous inspection reports including the 2018, it was observed that there is an X located on the dam (pink paint in photo 0030010181806). We do not have documentation of the elevation or whether it is a surveyed benchmark. If there is information about this chiseled X location, please provide it to the Department.

The two benchmarks to be installed must be surveyed by a professional surveyor or engineer in the State of Wisconsin. The benchmarks must also be tied into the NGVD29 datum used in the dam failure analysis and RFE study, the water level gauge, and any other benchmarks with local datums in the general vicinity of the dam.

The directive to establish benchmarks has been ongoing since 1994. Please complete this directive as it is essential for all enforceable and construction related elevations associated with the dam.

Geomarks							
Mark ID	Mark ID - New	Elevation	Datum	Status	Status Date	Description/Location	Action
803-A		1,290.26	MSL			BM 803-A IS A BRONZE TABLET MARKED PUBLIC SERVICE COMMISSION OF WISCONSIN, SET IN TOP OF WEST END OF WALKWAY OVER BILLY BOY DAM.	Change
803-C		1,292.22	MSL			BM 803-C IS A SPIKE IN 9 IN. TREE ON W BANK OF RIVER. BM IS ON E SIDE OF TREE AT FISH TRAP.	Change
803-H		1,303.23	MSL			BM 803-H IS A BRASS TABLET STAMPED DEPARTMENT OF NATURAL RESOURCES, SET IN THE TOP OF A CONCRETE POST. IT IS LOCATED 28 FT. SE OF CENTERLINE OF A TOWN ROAD BETWEEN LAC COURT OREILLES AND LITTLE LAC COURT OREILLES, 115 FT. NE OF THE LEFT DOWNSTREAM CORNER OF THE BRIDGE OVER THE CHANNEL, 54 FT. NE OF THE CENTERLINE OF A PRIVATE DRIVEWAY, AND 9 FT. N OF A CORNER POST OF A FENCE.	Change
803-I		1,291.62	MSL			BM 803-I IS A SQUARE CHISEL CUT IN THE RIGHT UPSTREAM END OF A CONCRETE CURB ON THE BRIDGE AT THE OUTLET OF LITTLE LAC COURT OREILLES LAKE, COUNTY HIGHWAY E.	Change
							Add

**Table 7
Proposed Regional Flood Elevations by Lake**

	Water Body	Regional Flood Elevation	Benchmark Information		
			Datum	Name	Location
1	Little Sissabagama Lake	--	NGVD29		SE-SE, S. 7, T38N, R9W
2	Mud Lake	--			
3	Sissabagama Lake	--			
4	Round Lake	1346.98	NAVD88	BM 1127C	N side of road, bridge @ outlet of Little Round L.
5	Little Round Lake	1346.98			
6	Osprey (Squaw) Lake	1346.60			
7	Sand Lake	1303.76			
8	Upper Holly Lake	1302.91	NAVD88	USGS BM on dam @ outlet of Sand L.	NE 1/4 S. 22, T39N, R9W
9	Whitefish Lake	1290.61	NGVD29	5 DWB 1971	S. 8, T39N, R8W
10	Grindstone Lake	1289.51	NGVD29	7 DWB 1971	S. 16/17, T40N, R8W
11	Little Grindstone Lake	1289.35	NGVD29	7 DWB 1971	S. 16/17, T40N, R8W
12	Lac Courte Oreilles	1289.27	NGVD29	5 DWB 1971	S. 8, T39N, R8W
13	Little Lac Courte Oreilles	1289.27	NGVD29	5 DWB 1971	S. 8, T39N, R8W
14	Billy Boy Flowage	1289.27	NGVD29	803-A	S. 19/30, T39N, R8W
-- = Lakes with established RFEs					

6. Signing

June 21, 2019

Install dam warning signs as indicated since the 1994 inspection. This is essential for compliance with NR 330. As stated the signs need to be visible atleast 300' upstream of the dam.

REVIEW OF OWNER DIRECTIVES**DATE DUE**

- | | |
|--|-------------------|
| 1. <u>Inspection, Operation, and Maintenance Plan</u> | November 21, 2019 |
| 2. <u>Vegetation</u> | |
| a. Mowing | Ongoing |
| b. Tree and root removal and fill associated | November 21, 2019 |
| 3. <u>Soil Loss</u> | |
| a. Wing walls and upstream embankment scour repair | November 21, 2019 |
| b. Embankment crest depression repairs | November 21, 2019 |
| c. Seepage/wet area monitoring | Ongoing |
| d. Repair access road | November 21, 2019 |
| 4. <u>Spillway and Concrete Repairs</u> | |
| a. Replace chains and operate gates according to most recent order | May 21, 2020 |
| b. Spalling and cracking repairs and monitoring | May 21, 2020 |
| 5. <u>Benchmarks</u> | |
| a. Install 2 permanent benchmarks and tie into datums | November 21, 2019 |
| 6. <u>Signing</u> | June 21, 2019 |

If you are unable to meet the schedule for the completing the directives listed above, please submit a revised schedule to the Department by June 13, 2019. If we do not hear from you by then, the schedule listed above will be in effect. If the schedules are not met, the Department may have to consider other alternatives to ensure the safety of the dam is maintained.

This concurrence letter contains a sufficiency rating based on Departmental guidance dated September 18, 2012. The rating is only intended to reflect the Department's interpretation of the physical conditions on the day of the inspection outlined in the report prepared by your consultant. The rating is not required by State Statute and does not imply any regulatory significance. The rating is not a Departmental certification of the overall safety, structural adequacy, hydraulic capacity or operation of the dam during any loading conditions. Departmental staff has been requested to assign sufficiency ratings to be in compliance with Federal grant requirements for the State Dam Safety Program. The Billy Boy Dam has a sufficiency rating of **Conditionally Fair**.

If you have any questions concerning this letter or the operation and maintenance of your dam, or you are uncertain how to proceed with the directives above, please contact me at jacob.druffner@wisconsin.gov or 715-461-0159.

Sincerely,



Jacob Druffner
Water Management Engineer
Spooner Service Center

Cc: Mark Stephenson, PE – Water Management Engineer (WDNR)