

# Land, Water and Forest Resources Committee Agenda

Sawyer County Courthouse  
10610 Main Street, Suite 100; Hayward, Wisconsin 54843  
email address – forestry@sawyercountygov.org  
telephone numbers 715.634.4846



Wednesday, July 13th, 2016, 8:30 a.m.  
Assembly Room, Sawyer County Courthouse  
7/7/2016

1. Call to order
2. Certification of Compliance with open meetings law (see bottom of page)
3. Approval of agenda
4. Approval of June 8<sup>th</sup>, 2016 LW&FR Committee Minutes
5. Public Comments
6. Event dates: None
7. Register of Deeds Department
8. Land Records and County Surveyor Department
9. Sawyer County Forestry Department
  - A. Direct Timber Sale to ABSF- "OO" Trailhead (Committee Action Needed)
  - B. 2016-2017 Snowmobile/ATV Maintenance Contract (Committee Action Needed)
  - C. Special Use Recreational Permit (Possible Committee Action)
  - D. Recreational Trails Report (Information Only)
  - E. County and DNR forestry reports
10. Zoning/Conservation Department
  - A. Fishtrap Dam Status Update (Information Only)
  - B. Report from WI County Code Administrators Training (Information Only)
  - C. NRCS report
  - D. LCO report
11. Next Meeting Date and Future Topics

Next Meeting Date will be: Wednesday August 10<sup>th</sup> at 8:30 Am  
Future agenda items:
  - 1) Committee Mission Statement
12. Other topics for Discussion
  - A. Other Topics for discussion
13. Adjournment

Meeting Schedule (all meeting are held at 8:30 Am at the Sawyer County Court house in the assembly room)

2016

August 10<sup>th</sup>, September 7<sup>th</sup>, October 12<sup>th</sup>, November 9<sup>th</sup>, December 7<sup>th</sup>.

Tentative Schedule for 2017

January 11<sup>th</sup>, February 8<sup>th</sup>, March 8<sup>th</sup>, April 12<sup>th</sup>, May 10<sup>th</sup>, June 14<sup>th</sup>

Emailed To: Sawyer County Record, Sawyer County Gazette, WRLS, WHSM  
WOJB, Hayward Library & Village of Winter for posting.

Date: July 6<sup>th</sup>, 2016

Time: 10:00 AM

By: Carol Williamson

Notice Posted at Courthouse:

Date: July 6<sup>th</sup> Time: 10:00AM

By: Carol Williamson

Any Person Wishing to attend this meeting who, because of disability, requires accommodations, 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.

**Minutes of the meeting of the Sawyer County Land, Water and Forestry Resources  
Committee Sawyer County Board of Supervisors  
June 8<sup>th</sup> 2016; Assembly Room; Sawyer County Courthouse**



**Committee Members Present:**

Bruce Paulson, Jim Bassett, Brian Bisonette, Elaine Nyberg, Ron Buckholtz

**County Personnel Present:**

Tom Hoff, Dan Pleoger, Carol Williamson, Greg Peterson, Jessica Kujala, Dale Olson, Paula Chisser, Tim Seidl

**Also Present:**

James Kujala, Pat Zimmer, Josh Washlow, Don Mrotek, Jan Holmes, Ben Popp, Jerry Wright, Frank Dallam, Cheryl Treland, Phil Nies, Mike Sheol

**Call to Order-** Bruce Paulson Calls meeting to order at 8:30 AM

**Approve Agenda-** Motion by Bassett 2<sup>nd</sup> by Bisonette to approve Agenda Motion Carried

**Approve Minutes-** Motion by Nyberge 2<sup>nd</sup> by Bassette to approve meeting minutes from May 11<sup>th</sup> Meeting, Motion Carried

**Event Dates-** CAMBA Longass Ride July 23<sup>rd</sup> 2016, Motion by Bisonette 2<sup>nd</sup> by Buckholtz to approve event contingent on receiving proper insurance. Motion Carried

**Register of Deeds Department-** (See agenda materials for report)

**Land Records and County Surveyor Department-** Nothing to report

**Sawyer County Forestry Department**

**A. 15 year Plan Policy options regarding for-profit activities on county land**

Greg Peterson, County Forest Administrator presents an example of business use on County forests, based on DNR legal opinion (*see materials*), as a starting point for creating a new policy for for-profit activities on County land. Peterson and Duffy are in the process of reviewing the legal issues that will need to be addressed in the policy and will be preparing a draft to present to the committee for review.

**B. Application for special Recreational Use Permit**

Josh Washlow explains his Up North Guided Tour business and discusses his application for a special recreational use permit. Washlow requests the Committee grant him this permit to have his business open for tours by August 13<sup>th</sup> 2016. Motion by Bassette 2<sup>nd</sup> by Buckholtz to grant a 90 day Temporary permit, to allow Washlows to move forward with his business, (*during that 90 day period a permanent policy will draft and approved.*) at the end of the 90 days Washlow and his business will need to make any changes necessary to comply with the new policy. Motion Carried

**C. Proposal for Gravel Pit Road Trailhead Upgrade**

Ben Popp executive director of the American Birkebeiner Ski Foundation discusses the proposed trail upgrades and building addition to the Gravel Pit Road Trailhead. The updates will help to better serve year-round trail activities with the addition of a shelter building, on site drinking water system and the widening of a portion of trail along the shelter. All improvements and the building will be open to the public year round and be of no cost to the county. Motion by Bassette 2<sup>nd</sup> by Buckholtz to approve the trailhead upgrades. Motion Carried. (*Information only*)- Ben Popp also discussed some minor upgrades to the OO trailhead.

**D. Recreational Trails Report**

Don Mrotek gives update on Sawyer County trails; he states that despite all of the recent rain most of the trails are still in good shape.

**E. County and DNR Forestry Report**

(See materials for County Forestry Report)

James Kujala from DNR- Nothing to report, Pat Zimmer from DNR- introduces himself to the committee as the new Rusk/Sawyer Team Leader

### **Zoning/Conservation Department**

#### **A. Short Term Rental Committee**

Zoning and Conservation Administrator, Dale Olson discusses the importance of getting a temporary committee in place to deal with the issue of short term rentals. Cheryl Treland and other community members also share their concerns about short term rentals with the committee and urge them to bring the temporary committee proposal back to the County Board. Olson presents the list of members for the short term committee for approval, as well as the opportunity to present the temporary committee to the county board. Motion by Buckholtz 2<sup>nd</sup> by Nyberg to send the proposed temporary committee to the County Board along with a detailed explanation and background on the purpose of the committee and why it is needed. Motion Carried

#### **B. Cost Share Transfer From Washburn County**

*(Information only)*- Sawyer County is able to receive extra funding through the Cost Share transfer from Washburn County.

#### **C. Billyboy Dam Operation**

*(Information only)*- Citizens express their concerns with the water levels on LCO and Grindstone lakes, which are affected by the bullyboy dam. Several community members spoke to the committee sharing their views and hopes for a continued discussion on dam regulations. Olson discusses the procedures of controlling water levels with the dam and ensures the Committee that the County is within operating levels.

#### **D. NRCS report- none**

#### **E. LCO- None**

**Closed Session-** Pursuant to Section 19.85(1) (g) for discussion and review of possible litigation involving Sawyer County. Motion by Bassette 2<sup>nd</sup> by Buckholtz to Convene into closed session Motion carried- unanimous.

**Adjourned-** Motion by Bassette 2<sup>nd</sup> by Buckholtz to adjourn. Motion Carried.

Jessica Kujala, Recorder



# Register of Deeds

Fiscal Year to Date 06/30/16  
Include Rollup Account and Rollup to Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% used/ Rec'd	Prior Year Total
Fund 100 - General Fund										
REVENUE										
Department 23 - Register of Deeds										
41230	Co. Share/RE Transfer Fees	65,000.00	.00	65,000.00	7,909.32	.00	33,989.76	31,010.24	52	89,545.12
46130	Register of Deeds Fees	125,000.00	.00	125,000.00	9,585.49	.00	52,932.54	72,067.46	42	118,517.63
46135	Laredo Program Revenue	13,000.00	.00	13,000.00	1,622.50	.00	8,662.00	4,338.00	67	16,887.53
Department 23 - Register of Deeds Totals		\$203,000.00	\$0.00	\$203,000.00	\$19,117.31	\$0.00	\$95,584.30	\$107,415.70	47%	\$224,950.28
REVENUE TOTALS		\$203,000.00	\$0.00	\$203,000.00	\$19,117.31	\$0.00	\$95,584.30	\$107,415.70	47%	\$224,950.28
EXPENSE										
Department 23 - Register of Deeds										
State Account 51710 - Register of Deeds Expenses										
50111	Regular Salaries	104,139.00	585.00	104,724.00	7,896.05	.00	45,439.67	59,284.33	43	98,523.14
50144	Term Life Ins./Employer's Share	34.00	.00	34.00	3.09	.00	17.94	16.06	53	35.32
50147	Workers Comp	282.00	.00	282.00	18.93	.00	109.00	173.00	39	151.98
50151	FICA-Employer's Share	7,967.00	.00	7,967.00	547.82	.00	2,979.50	4,987.50	37	6,695.73
50152	Retirement-Employer's Share	6,873.00	.00	6,873.00	521.15	.00	2,999.06	3,873.94	44	7,157.18
50154	Hospital and Health Insurance	56,920.00	.00	56,920.00	1,364.02	.00	32,946.62	23,973.38	58	49,153.04
50155	Flex Administration Fees	150.00	.00	150.00	14.85	.00	89.10	60.90	59	132.00
50157	Employee Education and Training	500.00	.00	500.00	.00	.00	.00	500.00	0	.00
50225	Telephone	500.00	.00	500.00	28.52	.00	113.31	386.69	23	338.11
50242	Document Imaging Maint.	13,000.00	.00	13,000.00	.00	.00	2,343.60	10,656.40	18	11,520.60
50242-312	Document Imaging Maint.	13,000.00	.00	13,000.00	.00	.00	2,343.60	10,656.40	18	11,520.60
50242 - Document Imaging Maint. Totals		\$13,000.00	\$0.00	\$13,000.00	\$0.00	\$0.00	\$2,343.60	\$10,656.40	18%	\$11,520.60
50311	Postage	1,200.00	.00	1,200.00	74.77	.00	431.67	768.33	36	1,140.55
50312	Office Supplies	1,500.00	.00	1,500.00	.00	.00	555.80	944.20	37	1,879.26
50313	Printing	1,200.00	.00	1,200.00	230.23	.00	1,381.38	(181.38)	115	2,428.57
50314	Small Items of Equipment	600.00	.00	600.00	.00	.00	.00	600.00	0	898.30
50315	Books/Indexes	1,200.00	.00	1,200.00	.00	.00	.00	1,200.00	0	358.71
50315-313	Books/Indexes	1,200.00	.00	1,200.00	.00	.00	.00	1,200.00	0	358.71
50315 - Books/Indexes Totals		\$1,200.00	\$0.00	\$1,200.00	\$0.00	\$0.00	\$0.00	\$1,200.00	0%	\$358.71
50325	Registration Fees	100.00	.00	100.00	.00	.00	.00	100.00	0	.00
50329	Dues/Subscriptions	150.00	.00	150.00	.00	.00	100.00	50.00	67	100.00
50339	Travel	500.00	.00	500.00	.00	.00	.00	500.00	0	111.58
50513	Public Liability Insurance	.00	.00	.00	.00	.00	129.50	(129.50)	+++	129.50
State Account 51710 - Register of Deeds Expenses Totals		\$196,815.00	\$585.00	\$197,400.00	\$10,699.43	\$0.00	\$89,636.15	\$107,763.85	45%	\$180,753.57
State Account 51715 - Laredo Expense										
50000	Miscellaneous Expense	5,500.00	.00	5,500.00	526.40	.00	2,146.60	3,353.40	39	6,221.92
State Account 51715 - Laredo Expense Totals		\$5,500.00	\$0.00	\$5,500.00	\$526.40	\$0.00	\$2,146.60	\$3,353.40	39%	\$6,221.92
Department 23 - Register of Deeds Totals		\$202,315.00	\$585.00	\$202,900.00	\$11,225.83	\$0.00	\$91,782.75	\$111,117.25	45%	\$186,975.49
EXPENSE TOTALS		\$202,315.00	\$585.00	\$202,900.00	\$11,225.83	\$0.00	\$91,782.75	\$111,117.25	45%	\$186,975.49



# Register of Deeds

Fiscal Year to Date 06/30/16  
Include Rollup Account and Rollup to Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% used/ Rec'd	Prior Year Total
Fund 100 - General Fund Totals										
	REVENUE TOTALS	203,000.00	.00	203,000.00	19,117.31	.00	95,584.30	107,415.70	47	224,950.28
	EXPENSE TOTALS	202,315.00	585.00	202,900.00	11,225.83	.00	91,782.75	111,117.25	45	186,975.49
	Fund 100 - General Fund Totals	\$685.00	(\$585.00)	\$100.00	\$7,891.48	\$0.00	\$3,801.55	(\$3,701.55)		\$37,974.79
Fund 212 - Land Information Grant										
REVENUE										
Department 00 - General										
41245	Land Information Grant Award	60,000.00	.00	60,000.00	.00	.00	58,080.00	1,920.00	97	57,296.00
43514	State Grant - General Government	.00	(50,000.00)	(50,000.00)	.00	.00	25,000.00	(75,000.00)	-50	.00
43517	Educational Grant Award	1,000.00	.00	1,000.00	.00	.00	1,000.00	.00	100	1,000.00
48130	Interest-Land Information Grant	.00	.00	.00	.00	.00	.00	.00	+++	89.76
	Department 00 - General Totals	\$61,000.00	(\$50,000.00)	\$11,000.00	\$0.00	\$0.00	\$84,080.00	(\$73,080.00)	764%	\$58,385.76
	REVENUE TOTALS	\$61,000.00	(\$50,000.00)	\$11,000.00	\$0.00	\$0.00	\$84,080.00	(\$73,080.00)	764%	\$58,385.76
EXPENSE										
Department 00 - General										
State Account 51268 - Land Information Grant Expenses										
50000	Miscellaneous Expense	60,000.00	.00	60,000.00	.00	.00	18,325.00	41,675.00	31	93,033.02
50112	Salaries Overtime	.00	10,000.00	10,000.00	906.62	.00	1,555.43	8,444.57	16	.00
50147	Workers Comp	.00	.00	.00	39.80	.00	68.28	(68.28)	+++	.00
50151	FICA-Employer's Share	.00	.00	.00	60.93	.00	106.14	(106.14)	+++	.00
50152	Retirement-Employer's Share	.00	.00	.00	59.84	.00	102.66	(102.66)	+++	.00
50154	Hospital and Health Insurance	.00	.00	.00	247.80	.00	247.80	(247.80)	+++	.00
50157	Employee Education and Training	1,000.00	.00	1,000.00	.00	.00	478.00	522.00	48	.00
50220	Contracted Expenses	.00	40,000.00	40,000.00	3,415.38	.00	11,953.83	28,046.17	30	.00
	State Account 51268 - Land Information Grant Expenses Totals	\$61,000.00	\$50,000.00	\$111,000.00	\$4,730.37	\$0.00	\$32,837.14	\$78,162.86	30%	\$93,033.02
	Department 00 - General Totals	\$61,000.00	\$50,000.00	\$111,000.00	\$4,730.37	\$0.00	\$32,837.14	\$78,162.86	30%	\$93,033.02
	EXPENSE TOTALS	\$61,000.00	\$50,000.00	\$111,000.00	\$4,730.37	\$0.00	\$32,837.14	\$78,162.86	30%	\$93,033.02
Fund 212 - Land Information Grant Totals										
	REVENUE TOTALS	61,000.00	(50,000.00)	11,000.00	.00	.00	84,080.00	(73,080.00)	764	58,385.76
	EXPENSE TOTALS	61,000.00	50,000.00	111,000.00	4,730.37	.00	32,837.14	78,162.86	30	93,033.02
	Fund 212 - Land Information Grant Totals	\$0.00	(\$100,000.00)	(\$100,000.00)	(\$4,730.37)	\$0.00	\$51,242.86	(\$151,242.86)		(\$34,647.26)
Grand Totals										
	REVENUE TOTALS	264,000.00	(50,000.00)	214,000.00	19,117.31	.00	179,664.30	34,335.70	84	283,336.04
	EXPENSE TOTALS	263,315.00	50,585.00	313,900.00	15,956.20	.00	124,619.89	189,280.11	40	280,008.51
	Grand Totals	\$685.00	(\$100,585.00)	(\$99,900.00)	\$3,161.11	\$0.00	\$55,044.41	(\$154,944.41)		\$3,327.53

2016-2017

**SAWYER COUNTY ATV & SNOWMOBILE TRAIL MAINTENANCE CONTRACT**

This agreement was made between Sawyer County, a nonprofit political subdivision of the State of Wisconsin, party of the first part, and the **Sawyer County Snowmobile/ATV Alliance, P.O. Box 163, Hayward, WI 54843**, hereinafter called party of the second part.

**WHEREAS**, Sawyer County, Wisconsin has approximately 385.3 miles of snowmobile trails, 149.8 miles of winter ATV trails, 144.9 miles of summer ATV and UTV trails, within its boundaries for use by the public for recreational purposes, and

**WHEREAS**, Sawyer County desires to have these snowmobile and ATV trails maintained and leveled for the safety and convenience of the public,

**NOW, THEREFORE**, in consideration of the mutual covenants herein contained, said **Sawyer County Snowmobile/ATV Alliance** bargains, agrees and contracts with Sawyer County to perform said maintenance and leveling under the following conditions and terms. It is hereby agreed between the parties:

First: Said **Sawyer County Snowmobile/ATV Alliance** agrees to maintain the snowmobile and ATV/UTV trails using their own equipment, and remove any limbs or trees which have fallen on said trails. Sawyer County agrees to pay up to Two Hundred Fifty Dollars (\$250.00) for each and every mile of snowmobile trail, **Four Hundred Fifty Dollars (\$450.00) for each and every mile of summer ATV trail**, One Hundred Dollars (\$100.00) for each and every mile of winter ATV trails, and One Hundred Dollars (\$100.00) subject to Department of Natural Resources approval of said work being performed in a satisfactory manner. **The remaining One Hundred Fifty Dollars (\$150.00) per mile of ATV funding will be used by Sawyer County to perform maintenance and repairs outside of the scope of this agreement.**

Second: It is further understood and agreed that the **Sawyer County Snowmobile/ATV Alliance** will perform said maintenance and leveling on the snowmobile trails as often as requested by the County or its representative, but at least one time each week during the snow season (beginning December 1, 2016 and ending March 31, 2017) and year round for ATV trails as funded.

Third: It is further understood and agreed that the **Sawyer County Snowmobile/ATV Alliance** shall clear away from said trail snowbanks left by a snowplow wherever trails cross a plowed road, in a manner which will not create a hazard to vehicular traffic.

Fourth: It is further understood and agreed that said maintenance shall be performed as shown on the snowmobile trails list marked "Exhibit A", and ATV trails list marked "Exhibits B & C" which is hereby incorporated into and made part of this document.

Fifth: It is further understood and agreed that **Sawyer County Snowmobile/ATV Alliance** shall be responsible for providing all equipment necessary for performance of trail maintenance.

**Page 2 - SAWYER COUNTY SNOWMOBILE/ATV TRAIL MAINTENANCE CONTRACT**

Sixth: It is further understood and agreed that Sawyer County has the right to terminate this contract at any time on the following conditions:

1. That the County determines the trail maintenance to be unsatisfactory.
2. That **Sawyer County Snowmobile/ATV Alliance** be notified in writing, at least twice, of this dissatisfaction.

Seventh: It is understood and agreed that both parties hereto this contract acknowledge that all work pursuant to this contract by **Sawyer County Snowmobile/ATV Alliance** is done so by them as an independent contractor, and not as an employee of Sawyer County, and that the County does not have any authority to direct hours of work, nor to direct who is to work, or when. It is hereby further acknowledged by both parties hereto that Sawyer County shall not be liable in any way for Workmen's Compensation, or unemployment insurance, or for vacation or vacation pay. It is further acknowledged by both parties hereto that the County shall in no way be liable for damages sustained as a result of injury to **Sawyer County Snowmobile/ATV Alliance** or any of its' employees, or that the County shall not be responsible for damages to property whether public or private, done by **Sawyer County Snowmobile/ATV Alliance** while maintaining trails under this contract. The operator shall carry his/her own liability insurance as well as insurance for property damage. The operator shall see that any damage is repaired as quickly as possible and the landowner be notified immediately of any damage when it occurs.

Eighth: It is further understood and agreed that no sub-contracting of grooming and/or maintenance shall be allowed without approval from Sawyer County.

Ninth: It is further understood that the **Sawyer County Snowmobile/ATV Alliance** shall purchase and place stop signs, stop ahead signs, snowmobile and ATV trail signs of reflective materials along said trails so as to provide for safe travel.

Tenth: It is further agreed that the **Sawyer County Snowmobile/ATV Alliance** shall conduct a maintenance program to assure that the trails are free of logs, rocks, brush, and other similar debris. If an active logging job is along the trail, the logger will be responsible for debris he may have caused.

Eleventh: Sawyer County agrees to advance 50% of the allowable grooming and brushing monies to **Sawyer County Snowmobile/ATV Alliance** for both snowmobile and ATV/UTV.

Eleventh: **Monthly expense vouchers should be filed by the 1st of the month.**

Signed:

\_\_\_\_\_  
Sawyer County Forestry Committee

\_\_\_\_\_  
Sawyer County Snowmobile Alliance  
President

\_\_\_\_\_  
Sawyer County Snowmobile Alliance  
Secretary

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

**EXHIBIT A  
SAWYER COUNTY SNOWMOBILE TRAILS**

<b><u>Trail and Location</u></b>	<b><u>Miles</u></b>
Bayfield Trail/Frog Creek Trail - Nelson Lake to Bayfield County line and Washburn County line to Smith Lake to Nelson Lake to Bayfield County line	20.5
Blueberry Trail - from Couderay to Blueberry Hill Resort	8.7
Chetac Trail - connects Stone Lake-Edgewater-Birchwood	8.0
Couderay Loop/Exeland Trail - off Tuscobia Trail south of Couderay to Exeland Trail and back to Tuscobia Trail	18.2
Dead Horse Connector Trail - from Tuscobia Trail to Ashland County line	8.6
Fish Trap Trail - from CTH B to Fish Trap Road	6.0
Fish Trap Trail North - from Fish Trap Road to junction of Trail 18	13.0
Fish Trap Trail - From Tuscobia to Fish Trap Road	13.5
Grade Trail - From Trail 31 Corridor to Stone Lake	3.0
LCO Connector/Little Round Trail - from Trail 30 to Ike's Motel and back to Corridor 31 near Chippewa Trail Road east and south ending at LCO shopping/government area	11.8
Loretta-Draper Trail - from Tuscobia south to Flambeau Forest	6.0
Lost Land Lake Trail - from STH 77 to Bayfield County line	14.5
Moose Lake Trail - from CTH B north to the intersection of CTH A and STH 77	12.0
Moose Lake/Ghost Lake Trail - from Moose Lake, Trail #21 north to junction of Trail 3	12.0
Musky Tail Trail - from Trail #21 and #3 to Trail 18	8.5
Ojibwa Trail - from Trail #10 Corridor to Chippewa River Boat landing	14.0
Rusk County Trail - from Tuscobia Trail in Edgewater south to Rusk County line	5.0
Seeley Connector - from Corridor #3 and #31 junction west to junction of Trail #63 to Sawyer/Bayfield County line	6.9
Seeley Hills Trail - Sawyer County Forest east of Seeley and Phipps	48.6

**Exhibit "A" - Continued**

Spider Lake Trail - from Spider Lake Country Club north to Trail #77	5.1
Stone Lake-Edgewater-Birchwood Trail - Birchwood through County Forest	17.0
Stone Lake/Whitefish Trail - from Hayward to Stone Lake, then north to Robin Lane, Beechmoor and back to Trail 31	17.2
Tally Ho Trail - from Musky & Snow Country groomer shed parallel to Old Hwy 77	7.5
Trail 40 North - Tuscobia in Loretta north to Trail 25	10.5
Trail 63 North - Hayward to Seeley Connector	6.5
Trail 63 South - from City of Hayward south and west to Washburn County line	6.2
Tuscobia to Rusk County line	26.0
Tuscobia Trail from Price County Line to Washburn County Line	<u>50.5</u>
Total Snowmobile Miles-----	385.3

**EXHIBIT "B"**

**SAWYER COUNTY ATV TRAILS**

**Winter Maintenance**

<b><u>Trail and Location</u></b>	<b><u>Miles</u></b>
Dead Horse Connector - Tuscobia Trail to Ashland County line	8.6
Louie's Landing - from Forest Road 174 to Louie's Landing	16.0
Trail 31 to Barnes - from Seeley Firelane to Bayfield Co. line	.8
Nine Mile Loop - off Tuscobia Trail south of Couderay	9.0
Phipps to Seeley - old railroad grade starting at Porkys Road to Seeley	5.6
Seeley Hills/Trail 15 - Hayward Power Sports to Seeley Hills and from loop by Hayward Fire Tower to Rock Lake Road, Rock Lake Road south through Camp Smith Lake Road to Janet Road	27.0
LCO Day Use Trail	.6
Stone Lake to Birchwood - Birchwood through County Forest	15.0
Trail 5/3 - from Fire Road 319 to 320 to CTH S	7.0
Trail 6 - from Aborne Road to end of Dam Road	9.7
Tuscobia Trail from Price County Line to Washburn County Line	<u>50.5</u>
Total Winter ATV miles-----	149.8

**EXHIBIT "C"**

**SAWYER COUNTY ATV TRAILS**

**Summer Maintenance**

<b><u>Trail and Location</u></b>	<b><u>Miles</u></b>
Dead Horse Connector - Tuscobia Trail to Ashland County line	8.6
Island Lake Trail - Rock Lake Firelane to Bayfield County line	1.8
Louie's Landing Trail - from Forest Road 174 to Louie's Landing	26.0
Trail 31 to Barnes - from Seeley Firelane to Bayfield Co. line	.8
LCO Day Use Trail	.6
Nine Mile Loop - off Tuscobia Trail south of Couderay	9.0
Phipps to Seeley - old railroad grade starting at Porkys Road to Seeley	5.6
Seeley Hills/Trail 15 - Hayward Power Sports to Seeley Hills and from loop from Hayward Fire Tower to Rock Lake Road, Rock Lake Road south through Camp Smith Lake Road to Janet Road	27.0
Stone Lake to Birchwood - Birchwood through County Forest	15.0
Tuscobia Trail from Price County Line to Washburn County Line	<u>50.5</u>
Total Summer ATV Miles-----	144.9

**EXHIBIT "D"**

**SAWYER COUNTY UTV TRAILS**

**Summer Maintenance**

<b><u>Trail and Location</u></b>	<b><u>Miles</u></b>
Dead Horse Connector - Tuscobia Trail to Ashland County line	8.6
Island Lake Trail - Rock Lake Firelane to Bayfield County line	1.8
Louie's Landing Trail - from Forest Road 174 to Louie's Landing	26.0
Trail 31 to Barnes - from Seeley Firelane to Bayfield Co. line	.8
LCO Day Use Trail	.6
Nine Mile Loop - off Tuscobia Trail south of Couderay	9.0
Phipps to Seeley - old railroad grade starting at Porkys Road to Seeley	5.6
Seeley Hills/Trail 15 - Hayward Power Sports to Seeley Hills and from loop from Hayward Fire Tower to Rock Lake Road, Rock Lake Road south through Camp Smith Lake Road to Janet Road	27.0
Stone Lake to Birchwood - Birchwood through County Forest	15.0
Tuscobia Trail from Price County Line to Washburn County Line	<u>50.5</u>
Total Summer UTV Miles-----	144.9

February 12, 2016

Tim Seidl  
Assistant Conservationist  
Sawyer County Zoning & Conservation Department  
10610 Main Street Suite 49  
Hayward, WI 54843

Reference: Fish Trap Dam, Field File 57.12  
Morgan & Parmley Ltd. 2015-151

Dear Tim:

Thank you for requesting a report addressing the condition of Fish Trap Lake Dam. We inspected the overall condition of the dam but in particular, with respect to the deformation of the corrugated metal outlet pipes. Both outlet pipes are bent upward. The deformation was not reported on the DNR inspection report dated 09/22/2009. In addition to our visual inspection a soil boring was performed near the north edge of the north outlet pipe, plus a groundwater observation well was installed immediately south of the south pipe. Refer to the plan sheet for location.

#### PURPOSE

The purpose of this report is to: present the results of an interim inspection of the dam being precipitated by the tipped condition of the end wall and the deformation of the outlet pipes; provide a reason for the pipe deformation if possible; provide recommendations and cost estimates to correct the deficiencies found; and prepare a topographic site map of the existing dam.

#### EXISTING DAM

The plans for reconstruction of Fish Trap Lake Dam were approved by the DNR on April 17, 1969. The plans called for the replacement of an old log dam with a new two bay concrete structure, with stop logs and two 72" corrugated metal outlet pipes. The contributing watershed is reported as 14.6 square miles and the area of Fish Trap Lake is 216 acres. Structural height of the dam is 12' and the hydraulic height is 7'. The concrete outlet structure is located near the center of a 300' long earthen embankment. A one lane trail is centered on top of the embankment.

#### INSPECTION

The earthen embankment and outlet structure were inspected. The side slope of the embankment varies from near level to 2:1. The trail is gravel and approximately 2/3 of the berm is grass covered and mowed. The remainder of the berm, around the outlet structure, is covered with brush and trees. Toe seepage is present at the left downstream berm (left and right are referenced to standing on the dam and looking downstream). There were no holes in the berm or any evidence of settling of the embankment. There is some rip rap present on the upstream face of the dam along the outlet structure.

The outlet structure consists of a two bay concrete box. Each box is 7' wide by 10' deep by 10' – 6" high with 6' diameter asphalt coated 10 gage corrugated steel outlet pipe. The west face of each box contains a 7' wide, full height stop log bay. The stop logs are sound but there is leakage between the planks. All flow in both bays is leakage through the stop logs. The outlet pipes are approximately 32' long and discharge into the downstream stilling basin. A concrete wall originally supported the downstream end of the outlet pipes. That concrete wall has tipped outward and no longer fully supports the outlet pipes. Anchor bolts in the wall have torn the end of the outlet pipe.

Overall the concrete structure is in fair to good condition. There are small areas of concrete spalls; abrasion of concrete, up to  $\frac{3}{4}$ ' deep, has occurred along the nappe of the flow and on the floor; there are small cracks with efflorescence present; there are no exposed reinforcing rods. As previously stated, the concrete endwall has failed by tipping outward.

The two 6' diameter asphalt coated corrugated metal outlet pipes are of riveted construction. There is very little corrosion of the outlet pipes and much of the asphalt coating is still in place. There is no apparent leakage around the pipes. The top of the south pipe, on the inlet end, is bent downward as a result of passing debris. At approximately 16' downstream from the concrete drop box, both outlet pipes become out-of-round and distorted. The 72" diameter pipe is reduced to 64" in the north pipe and 58" in the south pipe. It appears that both pipes are also bent upward. The outlet works is protected by a chain link fence. The condition of the fence varies from good to complete failure.

## PHOTOGRAPHS



The downstream support wall has failed and is tipping out. The wall prevents undermining of the pipes but provides very little support. The rotation of the wall may have provided uplift on the end of the outlet pipes adding to the deformation of the outlet pipes. The deformation can be seen in the north pipe (the pipe on the right). The chain link fence is distorted. Trees and brush have overgrown the slope.



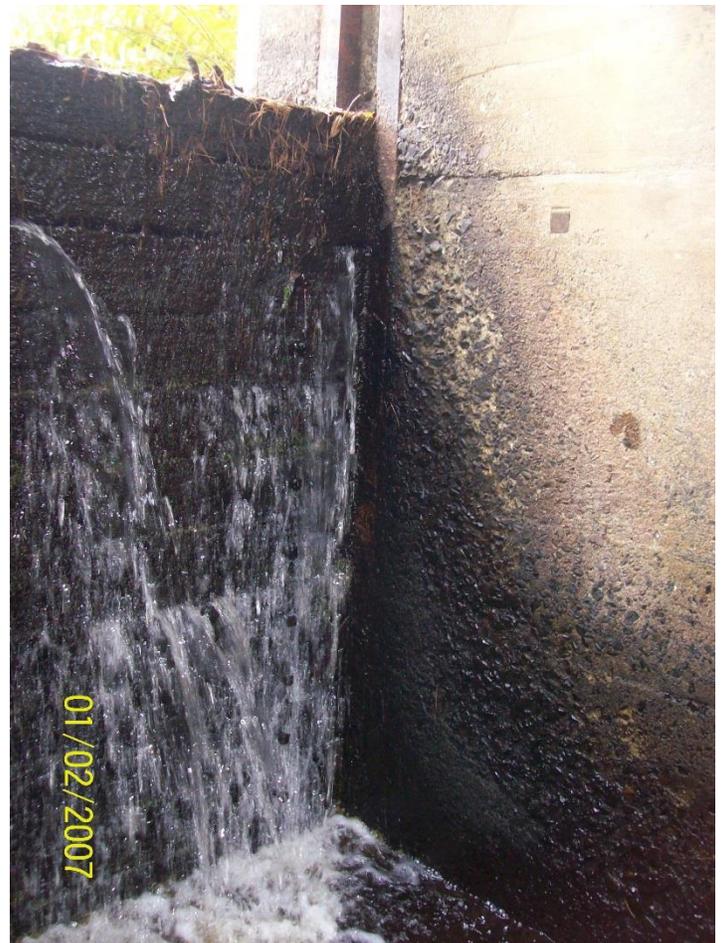
Looking down the top of the north pipe – showing the deformation approximately midway along the length of the pipe.



The outlet support wall has rotated downstream creating an upward force on the end of both outlet pipes.



The deformation in the south pipe is more than the north pipe. The pipe joints are still intact and are not leaking.



Looking from inside of the north stop log box, all flow is coming from leakage through the stop logs. The concrete surface has lost fine aggregate and cement paste from water abrasion. There is also concrete loss at the forming joint near the top of the stop logs.



This is the northeast corner of the north box. Cracks in the concrete are showing efflorescence caused by passage of moisture.



There is significant leakage through the stop logs in the south drop box.



The south drop box also has concrete surface abrasion and loss of concrete at the construction joint near the top of the stop logs.



The top of the south pipe at the inlet has minor damage from being impacted by debris.



This photograph was taken from inside the south pipe at the point of maximum deformation. Shown is the top of the pipe at the pipe joint. The joint is pulled upward but not leaking. The bow or bend in the top of the pipe can be seen very clearly in this photo.



The two drop boxes, located on the lake side, are shown in this photograph. At this location the security fence is in good condition. Trees and brush need to be cut and removed.



This is the right downstream berm. The downstream berm is steeper than 3:1 and trees are present on the slope. The shadow on the lawn is from the resort.



On the north bank seepage is present indicating flow of water through the berm. The yellow brown water results when the seepage is exposed to oxygen in the air.

## FINDINGS

The dam is almost fifty years old. Except for the downstream outlet wall, the concrete is in fair to good condition. There are cracks and surface abrasion that should be repaired. The stop logs leak and need to be replaced. The security fence needs to be maintained or removed. The earthen berm is in good condition but if work is done on the dam, the side slopes should be flattened to 3:1 slopes and a toe drain installed to intercept seepage. The trees and brush need to be removed. The roots of trees and brush cause two problems for dams: first the roots create conduits for the passage of water and ultimately soil, secondly if a tree is blown over; the root mat will lift up soil and can cause an immediate flow of water from the lake downstream, resulting in a breach of the dam. Structurally the outlet pipes show very little corrosion. But both pipes are deformed and bent upward. There does not appear to be a predominant reason as to why the two outlet pipes are deformed and bent upward other than the rotation of the concrete end wall lifted the end of the outlet pipes upward. The inspection completed by the DNR in 2009 does not mention any problems with the outlet pipes or the endwall. The photographs taken during that inspection do not explicitly show the endwall but the photographs appear to indicate that the top of the pipe was level at that point in time.

## ALTERNATES AND RECOMMENDATIONS

1. The first alternate considered is the “do nothing” alternate. Consequences of doing nothing are:
  - The concrete endwall will ultimately rotate into the stilling well. When that happens, undermining of both outlet pipes will occur causing the pipes to be cantilevered.
  - Stop log leakage will increase and the lake level will not remain constant.
  - The concrete will continue to deteriorate at an accelerated rate.
  - Routine maintenance items such as fence repair, removal of trees and brush will not be completed.
  - The next scheduled inspection is 2019. At that point in time the DNR will require that all deficient items be corrected.
2. The second alternate considered is “remove the dam”. Consequences of dam removal are:
  - Loss of fisheries.
  - Loss of wildlife habitat.
  - Reduction in tax revenue.
  - Economic loss to the resort by draining the lake.
3. The third alternate considered is to “repair” the existing dam. Positive and negative consequences of dam repair include:
  - Correction of deficiencies will extend the life of the dam.
  - Correction of deficiencies will improve dam safety.
  - Correction of deficiencies will maintain the benefits to fisheries, wildlife, tax basis, and the resort will continue to operate.
  - The negative consequence is the cost of the dam repair.
4. The fourth alternate considered would be “replacement” of the existing dam with a new structure. The consequences for Alternate 4 are the same as Alternate 3 with the exception that the cost of replacement would be greater than repair.

Alternate 1 was not selected because the deficiencies will remain and the work will be required at the time of the 2019 inspection. Alternate 2 was not selected due to the environmental and economic losses. Alternate 3 will correct the deficiencies presented in this report, at less cost than Alternate 4, and will continue to provide the benefits of Fish Trap Lake. This report recommends Alternate 3.

Following are the work items proposed to be completed under Alternate 3:

- Repair the deteriorated concrete. Concrete repair will include: surface preparation, seal all cracks in the concrete, surface repair of all concrete abrasion.
- Remove and replace the stop logs.
- Straighten the top of the south outlet pipe (in the south drop box – see photo).
- Remove the security fence.
- Cut all brush and trees, removing the roots down to 1” diameter.
- Remove the downstream concrete endwall.
- Beginning on the downstream end, excavate and expose both outlet pipes up to the point where the pipes are bent upward and distorted. At that point cut and remove both of the exposed 6’ diameter outlet pipes, beveling the ends to match the side slope. Install heavy rip rap over geotextile fabric

on the newly sloped downstream face of the embankment. Extend the rip rap into the stilling well for energy dissipation.

- Install a toe drain on both sides of the downstream slope.
- Flatten the slopes to 3:1, beginning at the newly excavated pipes. Regrade the entire berm to a uniform cross-section and restore.
- Adjust the width of the trail as dictated by the top of the beveled outlet pipes. Install a short section of guardrail along the top of the trail at the outlet pipes.
- Place rip rap on each side of the stop log inlet.
- Install a new security fence around the concrete drop box.

ESTIMATE

The construction estimate to complete the repairs as outlined for Alternate 3 is:

	<u>DESCRIPTION</u>	<u>COST</u>
1.	Concrete Repair .....	\$ 5,000
2.	Remove and Replace Stop Logs .....	3,000
3.	Remove Downstream Concrete Wall.....	2,000
4.	Outlet Pipe Modifications .....	5,000
5.	Clearing and Grubbing.....	2,000
6.	Earthwork.....	10,000
7.	Rip Rap .....	7,000
8.	Site Restoration .....	4,000
9.	Erosion Control .....	3,000
10.	Guardrail and Security Fence.....	<u>5,000</u>
	ESTIMATED CONSTRUCTION TOTAL .....	\$46,000

Note: The estimate does not include any contingency or engineering. The DNR will require plan approval and a construction permit. A temporary easement may be required from adjacent landowners to complete construction. I do not have a copy of the complete Field File for this dam. There may be outstanding compliance items that were required to be completed from the 2009 DNR inspection.

Thank you for letting us prepare this report for the County. If you have any questions or need additional information please contact me.

Sincerely;  
  
 Larry Gotham P.E.

Enc: Site plan, Soil Boring Log, 2009 DNR inspection

**Project:** Fish Trap Lake Dam

**Project No.:** 0095455

**Location:** Winter, Wisconsin

**Drill Date:** 10/6/2015

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION GROUND SURFACE ELEVATION:	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
1 -1.0	0-7" BASE COARSE	1-AU	-				
2 -2.0	Brown and orangish brown mottled SILT, little to with sand, trace gravel, moist (FILL)	2-SS	5				
3 -3.0							
4 -4.0							
5 -5.0	Gray and brown mottled sandy SILT, trace gravel and cobbles, trace clay moist (FILL)	3-SS	11				
6 -6.0							
7 -7.0							
8 -8.0		4-SS	12				
9 -9.0							
10 -10.0							v
11 -11.0	Concrete (FILL)	5-SS	50/5"				v
12 -12.0							
13 -13.0							
14 -14.0							
15 -15.0							
16 -16.0	Reddish brown SILT, with sand, little gravel, wet	6-SS	2				
17 -17.0							
18 -18.0							
19 -19.0							
20 -20.0							
21 -21.0	Reddish brown SILT, with sand, little gravel, moist	7-SS	50/4"				
22 -22.0							
23 -23.0							
24 -24.0							
25 -25.0							
26 -26.0		8-SS	94/10"				
27 -27.0							
28 -28.0	END OF BORING @ 26.5± FEET						
29 -29.0							
30 -30.0							
<b>FIELD OBSERVATIONS:</b>		<b>ADDITIONAL COMMENTS:</b>					
Water Level during drilling: 10± feet below ground surface (EL ±) v							
Water Level upon completion: 11± feet below ground surface (EL ±) v							
Caved at upon completion: 14± feet below ground surface (EL ±)							
Delay Time: N/A							
Water Level delayed: N/A							
Caved at delayed: N/A							

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual.



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
John Gozdziński, Regional Director

Northern Region Headquarters  
810 W. Maple Street  
Spooner, Wisconsin 54801  
Telephone 715-635-2101  
FAX 715-635-4105  
TTY Access via relay - 711

September 15, 2015

Dale Olson  
SAWYER COUNTY  
SAWYER CO COURTHOUSE, BOX 89  
Hayward, WI 54843

Subject: Dam Inspection Report for FISHTRAP LAKE DAM, Field File No. 57.12, Key Sequence No. 299, Sawyer County.

Dear Mr. Olson:

This is the Department of Natural Resources' Dam Safety Report based on our inspection of the FISHTRAP LAKE DAM on 9/22/2009. This report identifies work that needs to be done on the dam and a schedule for when that work is to be completed. Please contact me if you have questions about the needed repairs or are uncertain how to proceed.

Wisconsin has an excellent record of safety regarding dams. Our safety standards are meant to protect the public and reduce the likelihood of dam failures; therefore, past failures have not resulted in death, injury, or significant property damage. However, I would like to caution you on one potential liability issue. Unfortunately, every year accidents are reported on or near code-compliant dams. My safety inspection does not address injury that could result from trespass or other inappropriate behavior on the dam site. Your insurance carrier may be able to assist you in protection from this type of liability.

The Fishtrap Dam is an embankment dam with a concrete spillway structure consisting of lift gates and corrugated metal pipe flow-ways. The structural height of the Fishtrap Dam is 12 feet and the hydraulic height is 7 feet.

### INTERIM EMERGENCY ACTION PLAN

**DATE: November 15, 2009**

An Emergency Action Plan (EAP) is required for the area downstream of the dam. This plan identifies affected downstream properties and resources available for responding to an emergency situation. It is required so that during flooding or imminent failure of the dam, a series of well-planned steps can guide the owner, operator, and emergency workers through a process to minimize the potential for loss of life or property damage.

Please complete an Interim Emergency Action Plan for the Fishtrap Dam to use until you have completed a dam failure analysis on which to base a Detailed Emergency Action Plan.

I am enclosing our Fact Sheet entitled "Emergency Action Plan", and an example outline to be used in the development of your Interim Emergency Action Plan. You may also visit the DNR Dam Safety web page to obtain a sample copy of an EAP.

Please submit your Interim Emergency Action Plan by November 15, 2009 to Frank Dallam for review and approval.

**DAM FAILURE ANALYSIS AND DETAILED EAP**

**DATE: January 1, 2012**

In order to determine the extent of the dam failure floodplain (hydraulic shadow) for the dam, and determine the required hydraulic capacity for the hazard the dam creates, you must hire an engineer registered in the state of Wisconsin to perform a dam failure analysis. Please have the engineer contact Frank Dallam before he or she begins work. The analysis is to be completed by the date shown.

In addition to establishing the hazard rating and the required hydraulic capacity for the dam, we will utilize this dam failure analysis to determine the required downstream land use controls that must be implemented. Maps, profiles and floodway data tables necessary for the adoption of land use controls (floodplain zoning) must be submitted with the dam failure analysis that is used to develop the EAP.

A dam failure analysis will also provide the information necessary to develop a Detailed Emergency Action Plan (EAP) and determine whether or not there is a need for a flood warning system. This Detailed EAP identifies affected downstream properties based on the dam failure mapping. The Detailed EAP will ultimately replace the Interim EAP required above with a more detailed plan for responding to emergencies at the Fishtrap Dam.

**INSPECTION, OPERATION AND MAINTENANCE PLAN**

**DATE: January 1, 2010**

An Inspection, Operation and Maintenance plan (IOM) is required for all large dams in the State of Wisconsin. You will need to prepare a plan that includes water level orders and specifications, an operation schedule, a maintenance schedule, and the current names and telephone numbers of the operators and key people in the county and local municipalities. Maintenance should include all of those areas identified on the "Dam Inspection Checklists" which are included as part of this report.

Please prepare an Inspection, Operation and Maintenance Plan for the Fishtrap Dam and submit the plan to Frank Dallam for review and approval. If you need an example IOM plan, please contact Frank for a sample.

Because our inspection program only allows for a Department inspection of significant and high hazard large dams every ten years, you will need to have your engineer visually inspect your dam at least once every two years (for high hazard), every three years (for significant hazard), or every ten years (for low hazard), and after every major flood. Copies of the engineer's reports should be sent to the Spooner office.

**CONCRETE DAM REPAIRS**

**DATE: Ongoing**

The concrete of the spillway, while old, is still in fairly good condition. Some hairline cracks were observed in the abutments and headwalls for the culvert flow-ways (See Figure 4). Minor spalling was

also apparent. Please monitor the deterioration of the concrete and have your engineer make recommendations for repair as it continues to age.

**GATES** **DATE: On-going**

The stoplogs in both the left and right bays are leaking (See Figure 5). They did not appear to be structurally inadequate but you need to monitor them so that you can replace the logs before they fail.

**EMBANKMENT** **DATE: January 1, 2010**

The embankment of the dam is in fair condition. Some woody vegetation is growing on both the right and left, and this must be removed (See Figures 6 & 7). I saw no evidence of slope instability, such as slides or bulges. However, it will be easier to monitor the embankment with the vegetation managed. Please maintain a well-mowed grass embankment on both right and left, upstream and downstream.

A few small diameter trees are present on the embankment, and a large spruce tree on the downstream right side. Please have these removed by January, 2010. We discussed a white pine and a birch and these were far enough from the dam so that they can remain. Please monitor any woody vegetation growth and remove it before it develops extensive root systems. I am enclosing the fact sheet "Vegetation Control on Dams".

Seepage through the embankment has been noted in the past. Due to several years of drought, water levels in the impoundment are very low, so seepage is not currently a problem. However, we did note cattails growing on the toe of the downstream left embankment. Please have your engineer establish a seepage monitoring program so that you can record the amount and type of seepage coming through the dam. If the seepage increases, or you notice that the seepage becomes cloudy and is carrying fines, please notify the Department immediately.

**SUMMARY OF REQUIREMENTS** **DATE**

**INTERIM EMERGENCY ACTION PLAN** **November 15, 2009**

**INSPECTION, OPERATION AND MAINTENANCE PLAN** **January 1, 2010**

**CONCRETE DAM REPAIRS** **On-going monitoring**

**EMBANKMENT** **January 1, 2010**

**DAM FAILURE ANALYSIS AND DETAILED EAP** **January 1, 2012**

If you are unable to meet the schedule proposed above, submit your own schedule, in writing, for completing the required modifications and repairs. In order for us to consider a schedule other than the one we have determined, you must submit your alternative schedule by November 1, 2009. If we do not hear from you by then, the schedule we have determined will be in effect.

Wisconsin Statutes prohibit the sale of real estate containing a dam unless the Department issues a permit for a transfer for the dam. This includes transactions for dams on both navigable and non-navigable streams. Both the buyer and the seller must cooperate to complete the "Dam Ownership Transfer Application". Wisconsin Statutes also prohibit transferring a dam from a municipality to a private owner. Please contact the Spooner office or visit our website at <http://dnr.wi.gov/org/water/wm/dsfm/dams/> for a permit application if you are considering the sale of your property and dam(s).

If you have any questions concerning this report or the requirements and deadlines, please call me at (920) 787-4686, ext. 3010 or email me at [Linda.Hyatt@Wisconsin.gov](mailto:Linda.Hyatt@Wisconsin.gov). If you have general questions about the operation and maintenance of your dam, or about the Municipal Dam Grant program, please contact Frank Dallam by email at [Frank.Dallam@Wisconsin.gov](mailto:Frank.Dallam@Wisconsin.gov) or at the address above.

Thank you for your continued cooperation in maintaining safe dams in Wisconsin.

Sincerely,

Linda J. Hyatt, PE  
Watershed Supervisor

cc. Bill Sturtevant – WT/3  
Frank Dallam – Spooner

Enc. Fact Sheet – Dam Safety Emergency Action Plans  
Fact Sheet – Vegetation Control on Dams  
CD with Interim EAP (FishtrapEAP.doc) and Detailed EAP (FishtrapEAP2.doc)



**Figure 1**  
**Crest of Fishtrap Lake Dam**  
**Trees and Woody Vegetation must be removed**



**Left Figure 2**  
**Left Stoplog Bay**



**Figure 3**  
**Right Stoplog Bay**



**Figure 4**  
**Flow-Ways**



**Figure 5**  
**Leaky Stoplogs**



**Figure 6**  
**Outlets – Vegetation/Brush must be controlled**



**Figure 7**  
**Trees and Vegetation on both right and left sides should be maintained as a thick grass cover, mowed regularly. Woody vegetation around the concrete, pipes and within 20 feet of toe of slope must be removed.**



**Figure 8**  
**Trees upper left embankment**



**Figure 9**  
**Tailwater with view of woody vegetation around outlets**