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Section I: Application Type

Check one:

- Education, Prevention & Planning Early Detection & Response Established Infestation Control

Legislative District Numbers		To determine your legislative district, go to http://165.189.139.210/WAML/ Type in complete address, next screen shows information.
Senate	Assembly	
10	28	

Section II: Applicant Information

Applicant Balsam Lake Protection and Rehabilitation District			Type of Eligible Applicants		
Waterbody Name Balsam Lake			<input type="checkbox"/> County	<input type="checkbox"/> Tribe	<input type="checkbox"/> Other Gov't Unit
Project County/Township/Section/Range Polk County			<input type="checkbox"/> City	<input type="checkbox"/> Sanitary Dist.	<input type="checkbox"/> Nonprofit Org.
Authorized Representative Named by Resolution Ray Sloss			<input type="checkbox"/> Village	<input checked="" type="checkbox"/> Dist.	<input type="checkbox"/> College, School, etc.
Authorized Representative Title Chairman			<input type="checkbox"/> Town	<input type="checkbox"/> Assoc.	<input type="checkbox"/> Federal
Address PO Box 202			Project Contact Name Carl Holmgren		
City Balsam Lake			Project Contact Title Secretary/Treasurer		
State WI			Address 105 Indianhead Point Road		
ZIP Code 54810			City Balsam Lake		
Daytime Phone (area code) (612) 965-6455			State WI		
Evening Phone (area code)			ZIP Code 54810		
E-mail Address slsr01@comcast.net			Daytime Phone (area code) (715) 485-9241		
			Evening Phone (area code)		
			E-Mail Address holmgren@lakeland.ws		

Mail Check to: (if different from applicant)

Name and Title		Address	
Organization		City	State
		ZIP Code	

For DNR Use Only

Application Type	Date Received	Date Reviewed (AIS/LC/RC)	AIS/Lake /River Coordinator Approval /Date
Waterbody ID#	Adequate Public Access <input type="checkbox"/> Yes <input type="checkbox"/> No	Environmental Grants Specialist Approval / Date	
Eligible Project <input type="checkbox"/> Yes <input type="checkbox"/> No	Eligible Applicant <input type="checkbox"/> Yes <input type="checkbox"/> No	Project Priority Rank	Research / Demo Project <input type="checkbox"/> Yes <input type="checkbox"/> No
Prior Grant Award(s) <input type="checkbox"/> Yes <input type="checkbox"/> No	Fiscal Year(s)	Amount Received To Date \$	Project Awarded <input type="checkbox"/> Yes <input type="checkbox"/> No

Aquatic Invasive Species (AIS) Control Grant Application

Form 8700-307 (12/11)

Section III: Project Information

Project Title Balsam Lake Point Intercept and Plan Update	Proposed Ending Date 12/31/15
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Other Management Units	Letter of Support	Other Management Units	Letter of Support
1. Polk County LWRD	<input checked="" type="checkbox"/>	4.	<input type="checkbox"/>
2. Polk County Sheriff	<input checked="" type="checkbox"/>	5.	<input type="checkbox"/>
3.	<input type="checkbox"/>	6.	<input type="checkbox"/>

Section IV: Public Access

Number of Public Vehicle Trailer Parking Spaces Available at Public Access Sites:	46
Number of Public Access Sites Including Boat Launches and Walk-ins:	6

Section V: Cost Estimate and Grant Request

Section V must be completed or application will be returned. Details in support of Section V are welcome.	Project Costs		
	Column 1 Cash Costs	Column 2 Donated Value	<i>DNR Use Only</i>
1. Salaries, wages and employee benefits		1,296.00	
2. Consulting services	19,754.00		
3. Purchased services--printing and mailing	175.00		
4. Other purchased services (specify):			
5. Plant material			
6. Supplies (specify)			
7. Depreciation on equipment			
8. Hourly equipment use charges			
9. State Lab of Hygiene (SLOH) Costs			
10. Non-SLOH Lab Costs			
11. Other (specify)			
12. Subtotals (sum each column)	19,929.00	1,296.00	
13. Total Project Cost Estimate (sum of column 1 plus sum of column 2)	21,225.00		
14. State Share Requested (up to 75% of total costs may be requested)	15,918.75		

Subject to the following maximum grant amounts:

- Education, Prevention and Planning Projects--up to \$150,000
- Early Detection and Response Projects--up to \$20,000
- Established Infestation Control Projects--up to \$200,000

Use of Federal funding as match: (check box below if applicable)

We are using or planning to apply for Federal funds to be used as match.

If known, indicate source of funding:

Section VI: Attachments (check all that are included)

A. For all applicants: (Refer to instructions for applicability.)

- 1. Authorizing resolution
- 2. Letters of support
- 3. Map of project location and boundaries
- 4. Lake map or river segment with public access sites identified (per Section IV of this application and page 20 of the guidelines)
- 5. Itemized breakdown of expenses
- 6. For projects that entail sending samples to the State Laboratory of Hygiene (SLOH) only: a completed SLOH Projected Cost Form
- 7. Project scope/description:
 - a. Description of project area
 - b. Description of problem to be addressed by project
 - c. Discussion of project goals and objectives
 - d. Description of methods and activities
 - e. Description of project products or deliverables
 - f. Description of data to be collected, if applicable
 - g. Description of existing and proposed partnerships
 - h. Discussion of role of project in planning and/or management of lake
 - i. Timetable for implementation of key activities
 - j. Plan for sharing project results
 - k. Other information in support of project not described above

B. For applicants that are Lake Management Organizations (LMOs), River Management Organizations (RMOs) or Qualified Non-profit Organizations:

- 1. For first time applicant LMOs/RMOs only: A completed Form 8700-226 (Lake Association Organizational Application) or 8700-287 (River Management Organization Application)
- 2. For first time applicant Qualified Nonprofit Organizations only: Copy of IRS 501(c)(3) determination letter and copies of your Articles of Incorporation and Bylaws
- 3. List of national and/or statewide organizations with which you are affiliated
- 4. List of board members' names, including municipality and county of residence. Designate officers
- 5. Documentation of current financial status
- 6. Brochures, newsletters, annual reports or other information about your organization

C. Education, Prevention and Planning Projects: (No additional attachments required.)

D. Early Detection and Response Projects:

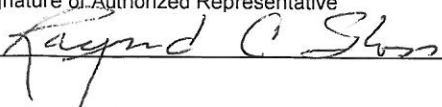
- 1. APM Permit application

E. Established Infestation Control Projects:

- 1. Management Plan
- 2. APM Permit application

Section VII: Certification

I certify that information in this application and all its attachments are true and correct and in conformity with applicable Wis. Statutes.

Print/Type Name of Authorized Representative Ray Sloss	Title of Authorized Representative Chairman
Signature of Authorized Representative 	Date Signed 01/21/2014

**Balsam Lake Protection and Rehabilitation District
Board Resolution**

RESOLUTION of the Balsam Lake Protection and Rehabilitation District

County of Polk, Wisconsin

WHEREAS Balsam Lake is an important resource used by the public for recreation and enjoyment of natural beauty: and

WHEREAS public use and enjoyment of Balsam Lake is best served by protection of Balsam Lake from infestation of aquatic invasive species; and

WHEREAS we recognize the need to provide information and education about aquatic invasive species; and

WHEREAS we are qualified to carry out the responsibilities of the aquatic invasive species project.

IT IS THEREFORE, RESOLVED THAT:

The Balsam Lake Protection and Rehabilitation District requests the funds and assistance available from the Wisconsin Department of Natural Resources under the “Aquatic Invasive Species Grant Program;” and

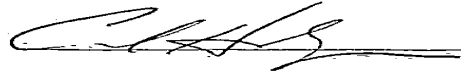
HEREBY AUTHORIZES, the Balsam Lake P&R District Chair, to act on behalf of the Balsam Lake Protection and Rehabilitation District to: submit an application to the State of Wisconsin for financial aid for aquatic invasive species grant purposes; sign documents; and take necessary action to undertake, direct, and complete an approved AIS grant. Grant reimbursement forms along with necessary supporting documentation will be submitted within six months of the project completion date.

BE IT FURTHER RESOLVED that the Balsam Lake Protection and Rehabilitation District will meet the obligations of the AIS project including timely publication of the results and meet the financial obligations under this grant including the prompt payment of our 25% commitment to aquatic invasive species project costs.

Adopted this 21st day of January 2014

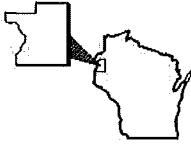
By a vote of six (6) in favor, zero (0) against, one (1) abstain.

By: _____



Carl Holmgren, Secretary

Balsam Lake Protection and Rehabilitation District



POLK COUNTY LAND & WATER RESOURCES DEPARTMENT
100 POLK COUNTY PLAZA—SUITE 120 BALSAM LAKE, WI 54810
PHONE: 715-485-8699 FAX: 715-485-8601
TIM RITTEN, DIRECTOR: 715-485-8631

January 21st, 2014

Alex Smith
WDNR
810 W. Maple St.
Spooner, WI 54801

Re: Balsam Lake Protection and Rehabilitation District AIS Grant Application

Dear Mr. Smith,

The Polk County Land and Water Resources Department supports the Balsam Lake Protection and Rehabilitation District in their application for an Aquatic Invasive Species grant.

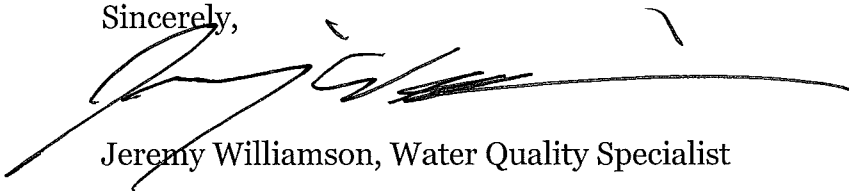
This grant will allow the District to conduct a full lake system point intercept survey and update the Balsam Lake Aquatic Plant Management Plan.

The support of this grant application allows LWRD to advance the following goal of the Polk County Land and Water Resource Management Plan, adopted by the County Board and approved by the state:

- Goal 1. Protect the water quality of our groundwater, lakes, streams, rivers, creeks, and associated ecosystems
 - Objective 1D. Monitor water quality to ascertain conditions and alleviate problems before they impact the resource or human health
 - 1. Inventory and perform water quality studies of chemical, physical, and biological features to ascertain conditions of local water bodies

Polk County Land and Water Resources Department staff will participate on the committee for the update of the aquatic plant management plan.

Sincerely,



Jeremy Williamson, Water Quality Specialist

POLK COUNTY SHERIFF'S OFFICE

"Integrity, Honor, and Courage"

1005 WEST MAIN, SUITE 900, BALSAM LAKE, WI 54810 -4403

PETER M. JOHNSON, SHERIFF
STEVEN B. MOE, CHIEF DEPUTY

BUSINESS OFFICE TELEPHONE (715) 485-8350
BUSINESS OFFICE FAX NUMBER (715) 485-8355
DISPATCH TELEPHONE NUMBER (715) 485-8300
DISPATCH FAX (715) 485-8300

Alex Smith
Department of Natural Resources
810 W. Maple Street
Spooner, WI 54801

Dear Alex:

I understand that the Balsam Lake Protection and Rehabilitation District (BLPRD) is applying for a grant to prevent aquatic invasive species introduction and to develop a plan for aquatic plant management in Balsam Lake. I am writing to support this application.

The Polk County Sheriff's Office is a partner in the Balsam Lake Protection and Rehabilitation District's efforts to prevent the introduction of invasive species into Balsam Lake. We will continue to take appropriate enforcement action under the Do Not Transport Ordinance when warranted based on information provided by the BLPRD.

Sincerely,



Peter M. Johnson
Polk County Sheriff

	In-kind hours	In-kind value	Consulting	Services	Printing and mailing	
Point Intercept Survey (w/CLP bed mapping)			\$ 5,850.00			
APM Plan Update 12 X 3 mtgs X 3 hours	108	\$1,296.00	\$ 8,500.00			
Plan Copies (5 @ \$35)					\$ 175.00	
Pre- and post-treatment monitoring			\$ 4,904.00			
Map CLP beds (2015)			\$500			
		\$1,296.00	\$ 19,754.00	\$ -	\$ 175.00	\$21,225.00
					DNR Grant	\$ 15,918.75
					BLPRD Match	\$ 5,306.25

Balsam Lake Point Intercept and Plan Update

AIS Education, Prevention, and Planning

Balsam Lake Protection and Rehabilitation District
February 1, 2014

Project Area and Background

Balsam Lake and its watersheds are located in central Polk County, Wisconsin in the towns of Milltown, Georgetown, Balsam Lake, and Apple River. The watershed also includes the village of Milltown and the village of Balsam Lake. Balsam Lake is a drainage lake that flows to the Balsam Branch from the Mill Pond at the lake's southern edge. The Balsam Branch eventually flows to Lake Wapogasset.

Balsam Lake has a surface area of 2,054 acres and a maximum depth of 37 feet. **(Point B1b)**. The average depth is 16.8 feet. Little Narrows in the northwestern part of the lake and Big Narrows in the eastern part separate the lake into three basins. The areas of the northwestern basin (Little Balsam Lake), the main basin, and the eastern basin are about 86 acres, 1,270, and 550 acres respectively.¹ The main basin of Balsam Lake is a mesotrophic lake with moderate fertility.² The northwest basin of the lake or “Little Balsam” and the East Basin are upper mesotrophic to lower eutrophic.

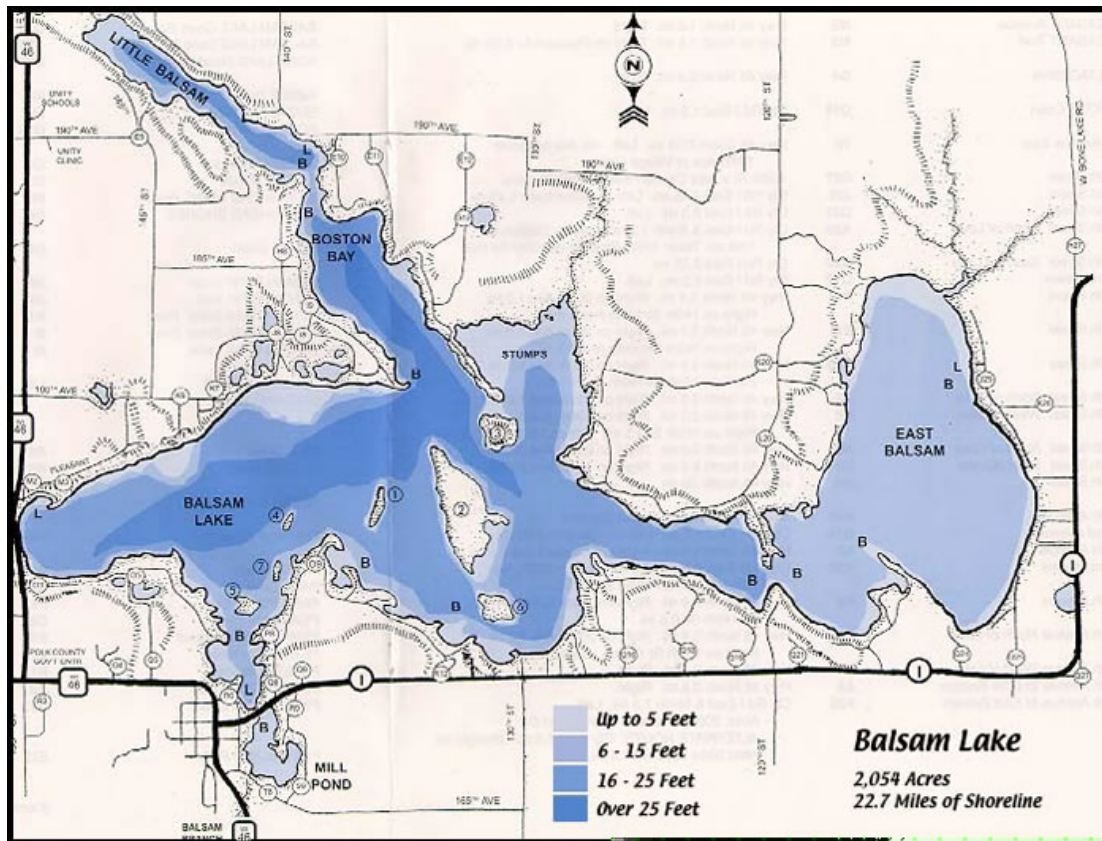
Balsam Lake is a highly used lake for fishing, including as the location for professional and amateur fishing tournaments (10 – 12 per year). There are four main boat landings for public use: the Highway 46 landing just north of the Village of Balsam Lake, the County I landing in the Village of Balsam Lake, the East Balsam landing off of County I heading north, and the Town of Milltown landing on Little Balsam. All of these landings are marked with an “L” on the map on the following page. There are a total of 46 parking spaces for boats and trailers at these landings. **(Point F1)**

The Village of Balsam Lake landing includes a picnic area and swimming beach. There are resorts, condo associations, and camping facilities on the lake. Resorts include Thirsty Otter Resort, Wards Balsam Beach Resort, and Lakeview Park. Sunnyside Marina is located east of the Village of Balsam Lake on Highway I. **(Point F2)**

The shoreline of Balsam Lake is largely developed for residential use with about 825 residences including many large homes constructed for year-round use.

¹ *Water and Phosphorus Budgets and Trophic State, Balsam Lake, Northwestern Wisconsin*. 1987 – 1989. U. S. Geological Survey. Water Resources Investigations Report 91-4125.

² *Balsam Lake Polk County. Feasibility Study Results: Management Alternatives*. Wisconsin Department of Natural Resources. Office of Inland Lake Renewal. 1979.



Sensitive Area Study

The Wisconsin Department of Natural Resources completed an Aquatic Plant Management Sensitive Area Assessment in 1989. The assessment identified 26 areas on the lake with aquatic plant values and management requirements for each sensitive area. These areas are mapped in the sensitive area assessment and in the Balsam Lake Aquatic Plant Management Plan. **(Point C2)**

The BLPRD purchased two properties along Park Drive to protect one sensitive area and the 18.5-acre Peterson property to protect another significant sensitive area. The acquisition of this parcel carried out a recommendation specifically mentioned in the DNR **Balsam Lake Sensitive Area Study**.²⁶

This large, mostly undeveloped bay provides great aesthetic and fish and wildlife value to the Balsam Lake ecosystem. It should be zoned conservancy and should be considered for acquisition by the lake district or a conservation organization to ensure it remains in its present state.

There are sensitive areas surrounding or very near each of the lake's four boat landings identified above. Educational efforts and watercraft inspections currently take place at the boat landings. The BLPRD-owned Peterson conservancy property is near the boat landing on East Balsam. The BLPRD also owns an adjacent 34-acre parcel on Stump Bay. **(Point G2)**

The 38 plants identified to species during the point intercept survey produced a mean Coefficient of Conservatism (C) of 6.2 and a **Floristic Quality Index of 38.4**. Nichols (1999) reported an average mean C for the Northern Central Hardwood Forests Region of 5.6 putting Balsam Lake well above average for this part of the state. The FQI was also nearly double the mean FQI of 20.9 for the Northern Central Hardwood Forests Region (Nichols 1999). **(Point C2)**

Balsam Lake Protection and Rehabilitation District (BLPRD)

The Balsam Lake Protection and Rehabilitation District has been active in water quality monitoring and implementing water quality improvements for Balsam Lake since its formation in 1976. A timeline of BLPRD activities is included on the following page.

Many projects have been installed under the BLPRD waterfront runoff project. They include 5 shoreland buffers, 5 rain gardens, and 7 rock infiltration pits. All of these projects were installed from 2009-2013. An example project at the Village of Balsam Lake boat landing is a rock infiltration pit installed in 2012 shown in the photo below. **(Point G2)**



Balsam Lake Highway 46 Landing Rock Infiltration Pit. The diversion across the road was installed in 2013.

A Timeline of BLPRD Efforts

- 1974 Balsam Lake Homeowners Association formed
- 1976 Balsam Lake Protection and Rehabilitation District established
- 1977 Aquatic plant harvesting began – contract with Aquatic Nuisance Control
- 1983 BLPRD spent \$9,000 to assist with clean-up of Glenna Farm³
- 1985 Sanitary sewer feasibility study (SEH, Inc.)
- 1986 Sanitary sewer study completed. Board decided not to proceed with sewer system
- 1988 Portable toilets installed at boat landings
Boat and boat lift purchased for water safety patrol
- 1994 80 acre Glenna Farm purchased and named property Balsam Acres
Animals removed from farm and ended farming operations
(reduced nutrient and sediment loading to Rice Creek and Balsam Lake)
- 1995 Balsam Acres uplands seeded to prairie
Dockside newsletter began
- 1998 Sewer feasibility study completed (Cedar Corporation)
- 1999 Flyover study completed (A.W. Research)
Sanitary district formed within boundaries of the lake district
Sediment basin constructed on Balsam Acres
- 2000 Water quality testing of some streams initiated
Ground-truthing for flyover study completed
Web site established
Macrophyte management plan (Barr Engineering) adopted
Application of herbicide to lake navigational channels began; ended harvesting
Cost-share plan with Village of Balsam Lake for dam operation began
- 2002 Sewer feasibility study results presented(Cedar Corporation)
Sanitary sewer system proposal rejected at annual meeting
Four survey monuments to monitor lake levels and better manage dam installed
Five contiguous Deaver Trust parcels on south shore of Balsam Lake acquired
Water quality testing around lake completed
Phosphorus-free fertilizer \$2 coupons distributed
- 2003 Lake level monitoring began
Acquisition of Stumps properties pursued
Grant for acquisition of lot next to Deaver property received
Auto sampler on Harder Creek installed
Portion of the cost to install conservation practices provided:
1) stabilized two gullies on Little Balsam
2) cleaned-up gravel pit on Otter Creek
3) fenced cattle from pond adjacent to East Balsam
- 2004 Park Drive (Lot 77) property acquired
- 2005 Peterson property acquired in the Stumps area
- 2007 Clean Boats, Clean Waters Program began
- 2008 Waterfront Runoff Program began

³ The property was eventually purchased by the BLPRD, and conservation practices were installed here.

Aquatic Plant Management

The Department of Natural Resources approved the October 2010 Balsam Lake Aquatic Plant Management Plan in December 2010. The plan has guided APM activities since that time. It was funded with a grant awarded October 1, 2009. The Point Intercept survey was not included in this grant project.

Curly Leaf Pondweed⁴

Curly leaf pondweed (CLP) and native plants were surveyed according to point intercept methods in June and July of 2009. Curly leaf pondweed beds were also mapped in June of 2009, 2011, 2012, and 2013. Beds were defined as areas where CLP growth resulted in greater than 50% of coverage and CLP topped out so that it wasn't possible to navigate a boat through the area. Matt Berg of Endangered Resource Services completed these surveys under contract with BLPRD.

Curly Leaf Pondweed Survey Results

Curly leaf pondweed was present in 212 out of 757 littoral zone rake sample locations in the 2009 point intercept survey. The littoral zone makes up about 70% of the lake area or 1438 acres. (Point B1c)

Balsam Lake CLP Beds		
Year	Acres	% Littoral Zone
2009	41.2	3
2011	61.2	4
2012	28.21	2
2013	80.58	6

A total of 41.2 acres of CLP beds were mapped in 2009 and 61.2 acres in 2011. This represents an increase of 48.5% in 2 years and an overall coverage in the littoral zone of 4%.

Beds treated in 2010 totaled 8.2 acres in 2009. Treated beds decreased by 7.2 acres as measured in 2011. This is an 88% decrease in treated bed extent. However, there was also a reduction of an additional 15.7 acres in beds that were not treated. The greatest increase occurred in a bed in the north bay of East Balsam which went from 5.3 to 43.1 acres.

A total of 13 CLP beds were mapped in 2013 (down from 20 in 2012) ranging in size from <0.01 acre to 40.83 acres. All combined, these beds covered a total of 80.58 acres or 3.9% of the lake's 2,054 total acres and 6% of the littoral zone. This represented a 52.37 acre (286%) increase over the 2012 total of 28.21 acres.

Curly Leaf Pondweed management is not part of this grant application, but will be continued during the grant project period.

⁴ Endangered Resource Services. June 2009 and June 2013.

Clean Boats Clean Waters (Point A4)

The CBCW program inspects boats for invasive species, educates boaters on invasive species and the local and state AIS rules, monitors boat landings for potential new AIS introduction, and gathers data.

The BLPRD completed its seventh year of the Clean Boats and Clean Waters (CBCW) program in 2014 at all four public landings on the lake. BLPRD uses a group leader who assists the AIS Lead. The group leader makes the schedule (or re-schedule) and collects forms (time sheets and data sheets). Schedules vary through the week for each landing with hours scheduled Saturday, Sunday, and various times on weekdays. **The schedule will include participation in the 4th of July Landing Blitz (Point A1)**

The program is a cooperative effort between BLPRD, Unity High School, Polk County, and the Village of Balsam Lake. High school students are compensated approximately 50% of the hours, and the remaining hours are volunteer. Unity High School teachers Jeanne Alling and Brian Collins recruit students, the Village of Balsam Lake manages payroll, and Polk County Land and Water Resources Department assists with orientation and training. Highlights from the program are included in the table below. In 2013 873 hours were spent at the landings. A CBCW report from 2013 is included as a grant attachment.

Landing	Station ID	Boats Inspected 2010	Boats Inspected 2011	Boats Inspected 2012	Boats Inspected 2013
Village Beach	10018112	327	717	798	508
Little Balsam	10018226	148	108	152	87
46 Landing	10018322	896	751	636	595
East Balsam	493219	298	234	239	217

Sheriff’s Office Enforcement

Polk County Sheriff, Peter Johnson is taking an interest in enforcement of the Polk County Do Not Transport ordinance. Carl Holmgren has been coordinating with the Sheriff’s Office for effective enforcement of the local ordinance and state regulation. The letter of support from the Sheriff’s Office confirms this partnership. **(Point A1)**

Water Guard Boat Washing

The BLPRD will invite the DNR Water Guard to demonstrate boat washing at Balsam Lake Landings. CBCW crews will provide support that may be needed. **(Point A5)**

Problems to be Addressed

The Aquatic Plant Management Plan needs to be updated.

- A full point intercept survey is due for the lakes
- CLP management efforts need to be reviewed and other management options considered
- Navigation concerns due to native plants are unresolved
- Ongoing AIS prevention and monitoring programs will be reviewed.

Project Goals and Objectives

The goal of this grant project is to update the Balsam Lake Aquatic Plant Management Plan.

Objectives under this goal include:

- Conduct a full lake system point intercept survey
- Complete an APM that meets requirements of both aquatic plant management planning (NR 198.43(1) (**Point C1a**))
- Involve lake volunteers and county staff in the planning process

Goals in the aquatic plant management plan are included below. The 2010 plan goals will be reviewed as part of the APM planning process.

Plan Goals

1. Manage established invasive species and eradicate newly introduced invasive species to reduce their impacts to the lake.
2. Prevent the introduction of aquatic invasive species.
3. Maintain navigation for fishing and boating in problem areas, access to lake residences, and comfortable swimming at the village beach.
4. Increase lake residents' and visitors' understanding of aquatic plants and management.
5. Preserve the diverse native aquatic plant community in Balsam Lake.

Project Methods and Activities

The Point Intercept Survey and CLP Pre and Post Monitoring will be completed by project consultant, Matt Berg of Endangered Resource Services according to standard DNR protocol. Endangered Resource Services will also conduct the CLP bed mapping. **(Point A3)**

Aquatic Plant Management Plan Update (Point C1a)

The planning consultant will work with a volunteer citizen's advisory committee and county and state advisors to develop the APM to meet the specifications of NR 198.43(1). Background information from the plan surveys and previous plans and studies will be gathered and provided to the committee. Committee members will review drafts and provide input at a series of committee meetings focused on aquatic plant management and prevention efforts. The planning consultant will facilitate the meetings, draft meeting results, and incorporate them into draft documents for committee review. Final draft will be provided for public then DNR review. The committee will be involved in incorporating resulting comments. **(Point C1a)**

Products or Deliverables / Data Collected

- ✓ Point Intercept Survey
- ✓ CLP Pre and Post Monitoring
- ✓ CLP Bed Mapping
- ✓ Aquatic Plant Management Plan

Existing and Proposed Partnerships

The Lake District will use local, state and federal resources and work together with available agency staff to implement this project. Polk County Land and Water Resources Department staff will participate on the committee for the update of the aquatic plant management plan. **(Point H3)**

The project will also hire and train student interns for boat landing monitoring. The BLPRD will work with teachers from **Unity School District** to recruit, train, and schedule student interns. BLPRD will continue to make classroom presentations to encourage student involvement. The school district does not receive compensation from the grant. The **Village of Balsam Lake** will provide payroll services for students.

Existing Plans or Management Efforts (how is project consist with these)

Invasive aquatic species prevention through education is priority of the **Polk County Land and Water Resource Management Plan 2009** as shown in the goal, objective, and activities below.

Goal 1. Protect the water quality of our groundwater, lakes, streams, rivers, creeks, and associated ecosystems

Objective 1A. Prevent, control or eliminate aquatic invasive species to protect the integrity of our surface water resources.

1. Educate water users, lake groups, and special parties (fishing groups) of the impact, spread, and peril of AIS
2. Monitor water bodies for the presence/absence or extent of invasion
3. Create a plan for invasive species management
4. Use volunteers and interns whenever possible
5. Employ strategies to keep native ecosystems intact
6. Work with other agencies to coordinate programs and provide information

Objective 1D. Monitor water quality to ascertain conditions and alleviate problems before they impact the resource or human health

1. Inventory and perform water quality studies of chemical, physical, and biological features to ascertain conditions of local water bodies.

Polk County has a local **Do Not Transport Ordinance** and has placed signs at public landings to remind lake users about its requirements. It is illegal to transport aquatic vegetation on boats and equipment in Polk County.

The **Balsam Lake Protection and Rehabilitation District Long Range Plan (August 2012)** includes descriptions and budgets for educational efforts and summarizes the Balsam Lake 2009 Aquatic Plant Management Plan. Eurasian water milfoil prevention/boat inspections and benefits of native plants are priority topics in the long range plan.

Project Timeline

Point Intercept Aquatic Plant Point Intercept Survey (Summer 2014)

CLP Pre and Post Monitoring and Bed Mapping (Summer 2014)

Aquatic Plant Management Plan Update (Winter 2014-15)

Plan for Sharing Project Results

All project deliverables will be shared with DNR in print and pdf format. Documents will also be made available on the BLPRD website. Newsletter articles and presentations at the organization's annual meetings will report project results to lake residents.

Memberships

The BLPRD is a member of the Polk County Association of Lakes and Rivers (PCALR) and the Wisconsin Association of Lakes.

Attachments

2013 CBCW Summary

Balsam Lake 2013 CBCW Statistics

