

**Notice:** Use of this form is required by the DNR for any application filed pursuant to ch. NR 198, Wis. Adm. Code. Personal information collected on this form, including such data as your name, address, phone number, etc., will be used for management and enforcement of DNR programs, and is not intended to be used for any other purpose. Information may be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32-19.39, Wis. Stats.) and requirements.

**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 <a href="http://165.189.139.210/WAML/">http://165.189.139.210/WAML/</a> Type in complete address, next screen shows information.
Senate	Assembly	

**Section II: Applicant Information**

Applicant			Type of Eligible Applicants			
Waterbody Name			<input type="checkbox"/> County	<input type="checkbox"/> Tribe	<input type="checkbox"/> Other Gov't Unit	<input type="checkbox"/> Federal
Project County/Township/Section/Range			<input type="checkbox"/> City	<input type="checkbox"/> Sanitary Dist.	<input type="checkbox"/> Nonprofit Org.	<input type="checkbox"/> State
Authorized Representative Named by Resolution			<input type="checkbox"/> Village	<input type="checkbox"/> Dist.	<input type="checkbox"/> College, School, etc.	<input type="checkbox"/> Other
Authorized Representative Title			<input type="checkbox"/> Town	<input type="checkbox"/> Assoc.	_____	
Project Contact Name			Project Contact Title			
Address			Address			
City	State	ZIP Code	City	State	ZIP Code	
Daytime Phone (area code)	Evening Phone (area code)		Daytime Phone (area code)	Evening Phone (area code)		
E-mail Address			E-Mail Address			

**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 (5/09)

Page 2 of 3

## Section III: Project Information

Project Title	Proposed Ending Date
---------------	----------------------

Other Management Units	Letter of Support	Other Management Units	Letter of Support
1.	<input type="checkbox"/>	4.	<input type="checkbox"/>
2.	<input 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:

Number of Public Access Sites Including Boat Launches and Walk-ins:

## 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			
2. Consulting services			
3. Purchased services--printing and mailing			
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. <b>Subtotals</b> (sum each column)			
13. <b>Total Project Cost Estimate</b> (sum of column 1 plus sum of column 2)			
14. <b>State Share Requested (up to 75% of total costs may be requested)</b>			

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

**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)
- 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 affiliatec
- 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:**

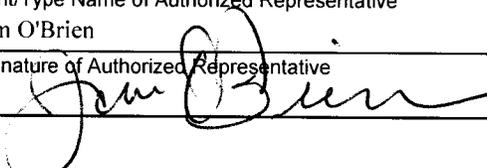
- 1. APM Permit application

**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 Jim O'Brien	Title of Authorized Representative President
Signature of Authorized Representative 	Date Signed Jan 5, 2012

**RESOLUTION of the Silver Lake Association**  
County of Barron, Wisconsin

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

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

WHEREAS we recognize the need to provide information or 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 Silver Lake Association requests the funds and assistance available from the Wisconsin Department of Natural Resources under the “**Aquatic Invasive Species Control Grant Program;**” and

HEREBY AUTHORIZES, the Lake Association President, to act on behalf of the Silver Lake Association to: submit an application to the State of Wisconsin for financial aid for aquatic invasive species grant purposes; sign documents; take necessary action to undertake, direct, and submit reimbursement request claims along with necessary supporting documentation with six months of project completion date.

BE IT FURTHER RESOLVED that the Silver Lake Association will meet the obligations of the aquatic invasive species control project including timely publication of the results and meet the financial obligations of an aquatic invasive species grant, including the prompt payment of our 25% commitment to aquatic invasive species control project costs.

Adopted this 6th day of December 2011.

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

By: Walter King 8 Dec 2011  
Walter King, Secretary / WATER QUALITY COMMITTEE  
Silver Lake Association

	<b>Total Cost</b>	<b>In-kind</b>	
<b>Salaries</b>			
Boat landing staff (2 years @ \$2,000)	\$4,000.00	\$240.00	
AIS Surveillance (2 years/ 40 hrs each)		960	
Point intercept survey (2012)	\$2,400.00		
Volunteer training expenses (20 hours)	\$500.00	\$ 240.00	
	<b>\$6,900.00</b>	<b>\$1,440.00</b>	\$8,340.00
		DNR Grant	\$6,255
		In-kind match	\$2,085
		Cash match	\$645

# Silver Lake AIS Education

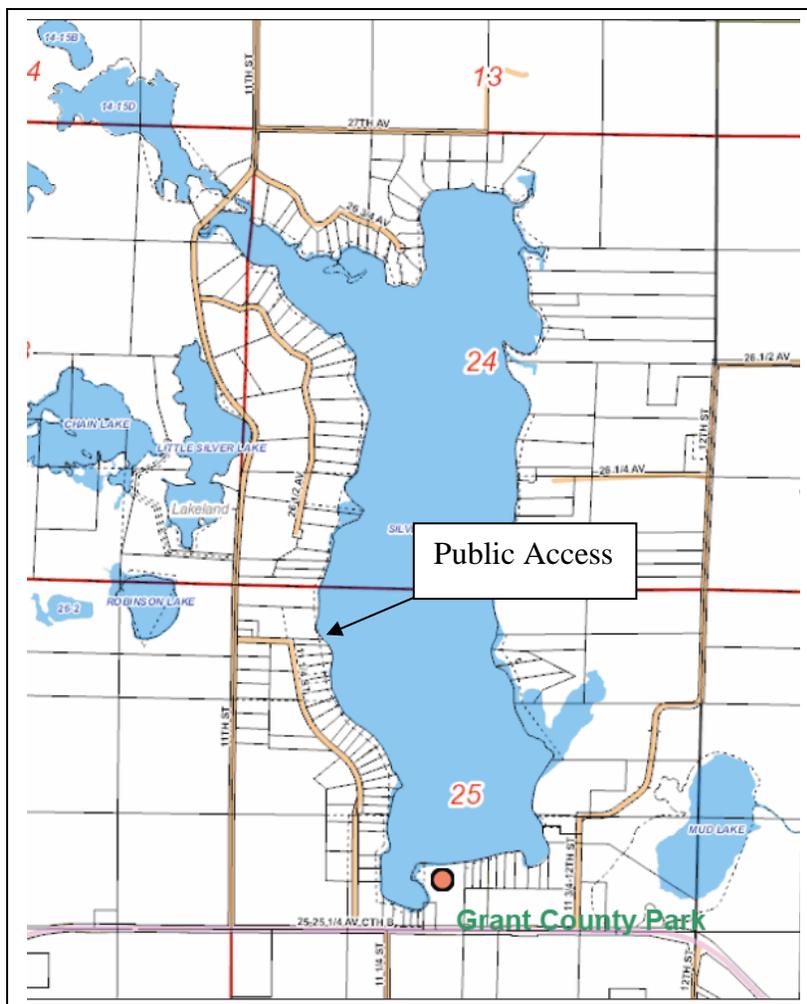
## AIS Grant Application

February 1, 2012

### a. Project area

Silver Lake is located in Barron County in the Town of Lakeland about 5 miles northeast of the city of Cumberland and 9.5 miles northwest of Rice Lake. The lake is 337 acres with a maximum depth of 91 feet. Because lake levels have fluctuated as much as 10 vertical feet over the past 100 years, the surface area of the lake varies from about 317 to 371 acres. Silver Lake has surface water inflow, but no outflow. There are about 115 parcels that surround the lake.

Silver Lake is listed as an **Outstanding Resource Water** by the state of Wisconsin. The bald eagle, a sensitive species, is recorded in T36N R13W where the lake is located. In fact, there is a nest near the northwest shore of the lake.



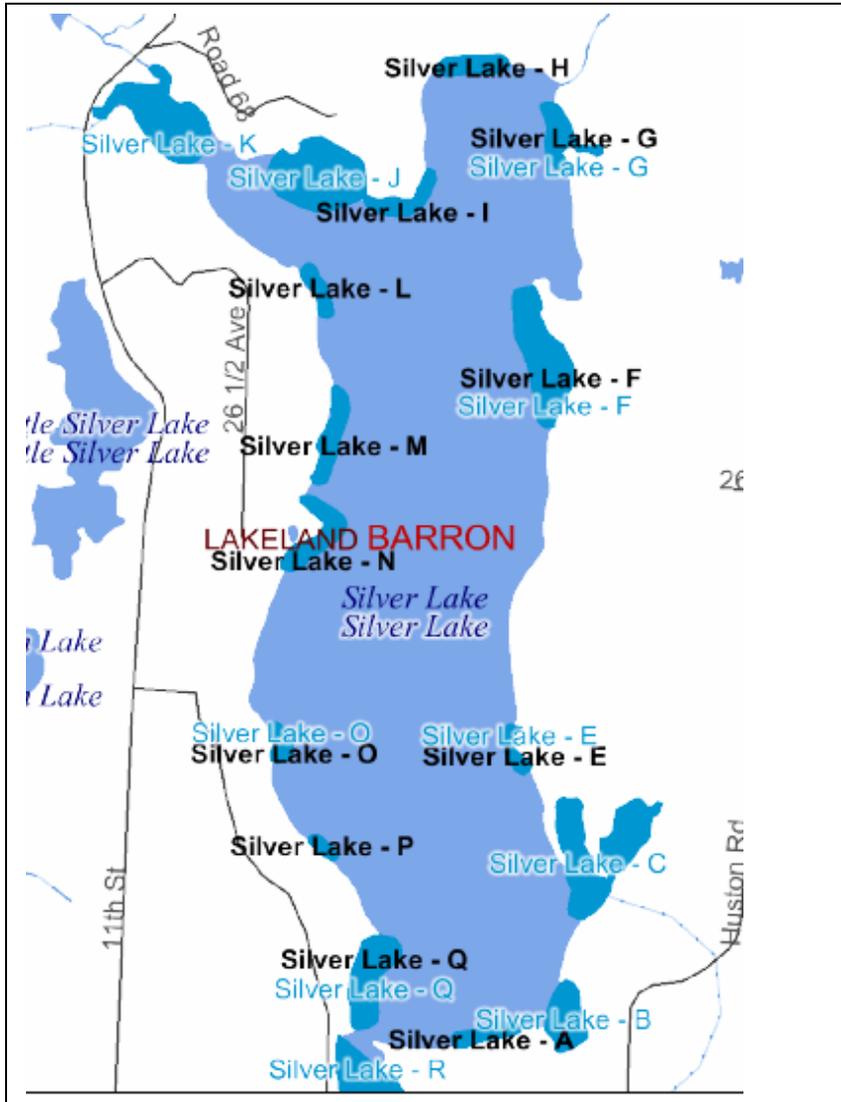
Grant County Park provides public boating access to the lake. The 6.8-acre park has many features in addition to the boat ramp including: a picnic area, bathroom facilities, sports field, and beach. The park is the most heavily-used in Barron County. **There are a total of 45 parking spots at the park including 15 large enough for a boat and trailer.**

The park is used year-round by anglers and heavily used in the summer for a variety of uses. The beach is the very popular, and the shelter is used for company and organization picnics, weddings, and private parties. On a busy summer day, there can be 250-300 people at the park.<sup>1</sup>

<sup>1</sup> Personal communication. Jim O'Brien. Silver Lake Association President. December 19, 2011.

**There is a public access point at the end of 11 ¼ Street and 2 lots which provide access at Grant County Park.**

Silver Lake has designated Sensitive Areas as shown in the map below.



*Sensitive Areas shown in Darker Blue.  
Walleye spawning areas listed in black text.*

## **Management Actions Underway**

- The Silver Lake Association has paid a Barron County employee to monitor the boat landing for about five years. This monitoring includes distributing aquatic invasive species information and collecting Clean Boats, Clean Waters statistics. The lake association president trains, supervises, and schedules the lake monitor each year.
- Additional efforts of the lake association have focused primarily on supporting studies to determine appropriate lake management activities. The Silver Lake Association contributed \$11,000 to USGS studies. Additional partners included the U.S. Geological Survey, the Wisconsin Department of Natural Resources, and Barron County Soil and Water Conservation Department.
- Lake association representatives have collected citizen lake monitoring data since 1987. This data is available on line at <http://dnr.wi.gov/lakes/clmn>.
- The Barron County Soil and Water Conservation Department completed a shoreline stabilization project installing rip rap along 500 feet of shoreline at the boat landing in October 2005.
- Because extra water to the lake was identified as a problem, the lake diversion was closed off by Barron County in 2004.
- Silver Lake Association members participated in a tree restoration program in the springs of 2009 and 2010. The Lake Association and Barron County Soil and Water Conservation Department worked together to plant hundreds of deciduous and conifer trees and shrubs. The primary objectives of the planting were to replace shoreline vegetation lost during the high water years and to prevent further soil erosion.
- The Silver Lake Association will be sponsoring a workshop for landscapers with many partners in the spring of 2012.

## **b. Problems to be addressed by project**

### 1) Threat of Eurasian water milfoil and other invasive species introduction

There is a high risk that Eurasian water milfoil and other aquatic invasive species may become established in Silver Lake. The landing is heavily used as described previously.

In Barron County, EWM is found in Beaver Dam, Horseshoe, Sand, Kidney, Shallow, Duck, Lower Vermillion, and Echo Lakes. Silver Lake is less than 6 miles from Beaver Dam Lake and Duck Lake. Department of Natural Resource scientists have also found Eurasian water milfoil in the nearby Wisconsin counties of Burnett (Ham Lake, Shallow Lake, Little Trade, and Round Lake), and Polk County (Big Blake, Long Trade, Pike, and Horseshoe Lakes).

### **c. Project goals and objectives**

This project is driven by the following goal and objectives from the Silver Lake Management Plan (2010).

*Goal. Protect Silver Lake's native aquatic communities.*

*Objective: Prevent the introduction of aquatic invasive species.*

*Be ready to rapidly respond to the introduction of aquatic invasive plant species.*

*Raise lake user and resident awareness to prevent Eurasian water milfoil introduction.*

*Monitor to detect early Eurasian water milfoil colonization.*

*Objective. Understand and protect the native plant community.*

### **d. Methods and activities**

A rapid response plan for early detection and control of invasive species is included as Appendix F. This plan will provide procedures and contacts should an invasive species such as Eurasian water milfoil be identified in Silver Lake.

**Activity:** *Continue a Clean Boats, Clean Waters Program at the boat landing.*

A park manager provides this function. The manager greets individuals at the landing and provides aquatic invasive species information and records CBCW statistics. Barron County will not be supporting this program in 2012. Instead, the Lake Association will hire the monitor directly. **The landing coverage will include a blitz of activity on the 4<sup>th</sup> of July weekend.**

**Activity:** *Build local expertise to train AIS Lead for the rapid response plan.*

Train a Silver Lake Aquatic Invasive Species Lead to implement the Rapid Response Plan. Support training by paying course fees, transportation and per diem. (CBCW, plant identification, NW Lakes Conference, WI Lakes Conference)  
AIS Lead to assist with point intercept survey to learn plant identification.

**Activity:** *Conduct surveillance monitoring for EWM near the boat landing and throughout the littoral zone of Silver Lake.*

**Activity:** *Conduct a point intercept aquatic plant survey.*

A point intercept study of the lake will help to identify native species present and check for the presence of invasive species.

**e. Project products or deliverables**

Educational methods and materials listed above.

Clean boats, clean waters reports

Monitoring reports

Point intercept survey report

All results to be available in MS Word and .pdf format.

**f. Data to be collected**

Clean boats, clean waters data

Monitoring data: volunteer logs for AIS surveys

Point intercept plant rake samples – Xcel spreadsheet

**g. Existing and proposed partnerships**

The Silver Lake Association has worked closely with the Barron County Soil and Water Conservation Department. Their letter of support describes their current role for 2012.

**h. Role of project in planning and/or management of lake**

The project is consistent with the project sponsor's 2011 *Barron County Land and Water Resource Management Plan*. Barron County Soil and Water Conservation Department. Related project goals and activities are described below from pages 24-25.

**Goal:** Protect and enhance local resources

**Objective:** Control invasive species infestations.

**Activity:** Continue to support the Clean Boats, Clean Waters program

**Activity:** Facilitate Silver Lake boat landing attendants in cooperation with the lake association

The *Silver Lake Management Plan* (2011) specifies the project goals, objectives, and activities which are listed in previous pages. The plan was prepared for the Silver Lake Association with support from the Barron County Soil and Water Conservation Department.

The **United States Geological Survey study** of Silver Lake water quality and hydrology guides project activities.

Barron County SWCD and the Silver Lake Association initiated this project by supporting the USGS study which ran from 2004 to 2008. The SWCD provided a value of \$8,000 in staff time for the project. The SWCD and Lake Association again cooperated to develop the Silver Lake Management plan.

### ***i. Timetable for implementation***

AIS lead training – spring – summer 2012 as available

Clean boats, clean waters monitoring – summer 2012 and 2013

AIS surveillance monitoring – July and August 2012 and 2013

Point intercept survey – July to August 2012

### ***j. Plan for sharing project results***

- Draft and final documents will be made available to the public and other resource agencies.
- The lake association currently provides information to members through meetings, email notices, a web site, and printed materials. These will continue to be the primary methods to distribute information.

### ***k. Other information not described above (attached)***

Parcel map of Grant County Park and Public Access

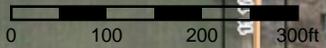
Rapid Response Plan (from Silver Lake Management Plan)



SILVER LAKE

25

25-251/4 AV, CTH B



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

23

24

26

25

SILVER LAKE

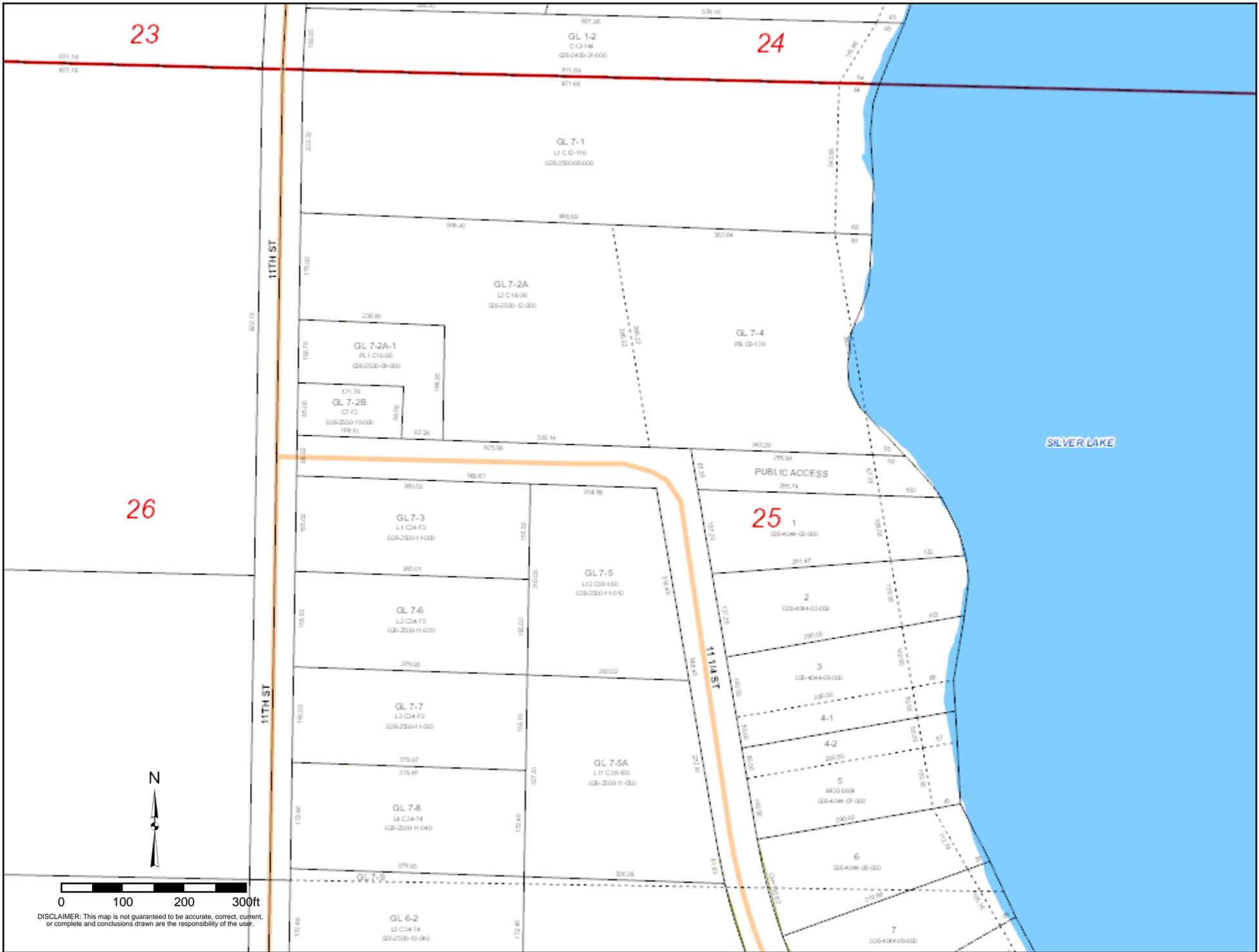
11TH ST

11TH ST

11TH ST



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.



## Appendix F

### Rapid Response for Early Detection of Eurasian Water Milfoil

1. Conduct volunteer (Clean Boats, Clean Waters crew) and professional monitoring (Contractor) at designated public boat landings and other likely areas of AIS introduction. If a suspected plant is found, proceed to Step 2.
2. Silver Lake residents and visitors will be directed to contact the Aquatic Invasive Species (AIS) Lead or the Barron County if they see a plant in the lakes they suspect might be Eurasian water milfoil (EWM). Signs at the public boat landings, web pages, handouts at annual meeting, and web site information will provide plant photos and descriptions, contact information, and instructions.
3. If plant is likely EWM, the AIS Lead will confirm identification with Barron County SWCD and the WDNR (Frank Koshere) and inform the rest of the Silver Lake Association Board. Two entire intact rooted adult specimens of the suspect plants will be collected and bagged and delivered to the WDNR (810 West Maple Street, Spooner, WI 54801). WDNR may confirm identification with the herbarium at the University of Wisconsin – Stevens Point or the University of Wisconsin – Madison.
4. Mark the location of suspected EWM (AIS Lead). Collect GPS points if equipment is available, or mark the location with a small float.
5. If the suspect plants are determined to be EWM, the location of EWM will be marked with a more permanent marker. Special EWM buoys are available. (AIS Lead).
6. If identification is positive, inform the board, Barron County SWCD, and the person who reported the EWM.
7. If identification is positive, post a notice at the public landing (DNR has these signs available) and provide notice via email and on the website. Notices will inform residents and visitors of the approximate location of EWM and provide appropriate means to avoid spread (AIS Lead, lake association).
8. Hire a consultant to determine the extent of the EWM introduction. A diver may be used. If small amounts of EWM are found during this assessment, the consultant will be directed to identify locations with GPS points and hand pull plants found. All plant fragments will be removed from the lake when hand pulling.
9. The AIS Lead and lake association board will select a control plan in cooperation with the WDNR. Additional guidance regarding EWM treatment is found in DNR's *Response for Early Detection of Eurasian Water Milfoil Field Protocol*.

Control methods may include hand pulling, use of divers to manually or mechanically remove the EWM from the lake bottom, application of herbicides, and/or other effective and approved control methods.

The goal of the rapid response control plan will be eradication of the EWM.

10. Implement the selected control plan including applying for the necessary permits. Regardless of the control plan selected, it will be implemented by persons who are qualified and experienced in the technique(s) selected.
11. Lake association funds may be used to pay for any reasonable expense incurred during the implementation of the selected control plan, and implementation will not be delayed by waiting for WDNR to approve or fund a grant application.
12. The AIS Lead will work with the WDNR to confirm, as soon as possible, a start date for an Early Detection and Rapid Response AIS Control Grant. Thereafter, the lake association shall formally apply for the grant.
13. The lake association may choose to develop a contingency fund for rapid response to EWM or other invasive species. (\$2,000 is suggested as a minimum amount.)
14. Frequently inspect the area of the EWM to determine the effectiveness of the treatment and whether additional treatment is necessary (lake association, consultant).
15. Procedures and responsibilities of this rapid response plan will be reviewed on an annual basis. Changes may be made with approval of the lake association board.

The Silver Lake Association supports the following organizations:

- Wisconsin Lakes Partnership
- Walleyes for Tomorrow
- Fish Sticks
- Loon Rangers
- Neighborhood Watch

We are a 501(c) (3) organization

ID #: 01-0606618

DLN 303352019

See our web site at <http://home.comcast.net/~lakesilver/> for general data that includes the current board members and treasury report.

## Silver Lake Association Board

Jim O'Brien – President  
2555 11 ¼ Street  
Cumberland, WI 54829  
(715) 822 8430  
obrien2555@gmail.com

Steve Knudson ~~TREASURER~~  
1619 20th Avenue N.E.  
Rochester, MN 55906  
(715) 822 8558  
knudson,steve@mayo.edu

Bruce Trimble ~~VICE-PRESIDENT~~  
1901 Pine Ave  
Menomonie, WI 54751  
(715) 235 9153  
trimbleb@uwstout.edu

Gary French ~~SECRETARY~~  
778 Deerwood Circle  
Lino Lakes, MN 55014  
(651) 484 5456  
gafrench@comcast.net

Rob Fillmore  
4650 Morris Circle  
Bloomington, MN 55437  
(612) 208 5394  
rob.fillmore@detronics.com

~~KATHLEEN~~  
~~Jonathan~~ Hoistead  
21 Raven Road  
North Oaks, MN 55127  
(651) 482-0679  
jonathanhoistad@comcast.net

Walter King  
1105 26 ¾ Avenue  
Cumberland, WI 54829  
(715) 822-3026  
walterking@msn.com

# Silver Lake Association

## Treasurer's Report

September 3, 2011 Meeting

<u>Summary of Account Activity</u>	Beginning Bal. 5/31/2011	Cash in	Cash Out	Ending Bal. 8/31/2011
General Fund	\$ 3,692.84	\$ 260.00	\$ (2,361.65)	\$ 1,591.19
Water Quality Fund	\$ 2,976.55	\$ 0.06	\$ -	\$ 2,976.61
Certificate of Deposit - Matures 1/16/2012	\$ 5,221.12	\$ -	\$ -	\$ 5,221.12
Total Cash Balance	<u>\$ 11,890.51</u>	<u>\$ 260.06</u>	<u>\$ (2,361.65)</u>	<u>\$ 9,788.92</u>

### Activity Detail

#### **General fund:**

Total funds available 5/31/2011	\$ 3,692.84		
Cash In:			
Member dues deposited 6/27/2011	\$ 90.00		
Member dues deposited 7/20/2011	\$ 140.00		
Member dues deposited 8/23/2011	\$ 30.00		
Total cash in	<u>\$ 260.00</u>		
Cash Out:		<u>Check. #</u>	<u>Ck. Date</u>
Reimbursement for May meeting expenses	\$ (82.85)	1076	7/17/2011
Barron County-SLA share of water quality feasibility study	\$ (278.80)	1077	7/17/2011
Barron County Soil & Water Conservation	\$ (2,000.00)	1031	4/18/2011
Total cash out	<u>\$ (2,361.65)</u>		
Balance per 8/31/2011 bank statement	\$ 1,591.19		
Outstanding activity:			
None			
Total funds available 8/31/2011	<u><u>\$ 1,591.19</u></u>		

#### **Water Quality Fund:**

Balance at 5/31/2011	\$ 2,976.55
Cash In:	
Interest	\$ 0.06
Cash Out:	
None	
Balance at 8/31/2011	<u><u>\$ 2,976.61</u></u>

#### **Certificate of deposit:**

Balance at 5/31/2011	\$ 5,221.12	Maturity date of 1/16/12
Interest reported (see comment)	\$ -	Interest reported at maturity only
Balance at 8/31/2011 maturity	<u><u>\$ 5,221.12</u></u>	Auto renewed for 13 months @ 0.15%