

TOWN OF NEWBOLD
TWO SISTERS LAKE PROPERTY OWNERS ASSOCIATION
Oneida County, Wisconsin

LAKE MANAGEMENT GRANT
Two Sisters Lake

Aquatic Species Control Grant

Grant No. AEPP – 159 – 08

2008 Final Report
for
May 3 thru November 2, 2008

January, 2009

Project Scope and Deliverables

The Town of Newbold, in partnership with the Two Sisters Lake Property Owners Association (TSLPOA), sponsored this project to implement a Clean Boats/Clean Waters program on Two Sisters Lake (TSL). Three Association members attended DNR and TSLPOA sponsored training workshops for watercraft Inspection training; plus, the Adopt-A-Shoreline/Rapid Response Program (ASL).

Aquatic Invasive Species (AIS) incentive fishing lures were handed out to boaters at Young's landing and TSLPOA members at various meetings. Two TSLPOA Spring '08 and one in Fall '08 mailings to lake property owners described the AIS, its prevention and the benefits of a total TSL effort through a volunteer team. About 30 lake families responded in all phases of the AIS effort in 2008...most served in double - program duty..

The TSLPOA retained two volunteer coordinators for the AIS program. The second coordinator filled-in between volunteers. In general, the volunteer coordinators handled the watercraft inspection some weekdays and weekends, developed a lake volunteer schedule and recorded the DNR Form 3200-120 information on the DNR website. The lake volunteers handled some weekends/holidays; plus all of the ASL inspections and Rapid Response work.

Donated Labor Categories

About 651 man-hours were donated by these 31 families or about 21 man hours per family in all phases of this 2008 project. The original 2008 AIS grant application was based on 688 man hours. A DNR donated volunteer labor worksheet summary showing the man hours of each individual volunteer family is shown in Exhibit A. A donated labor worksheet for each individual lake family is also shown in Exhibit A. An additional labor breakdown is as follows: (man hours)

	Actual	Budgeted
• Watercraft Inspection:	280	300
• Adopt-A-Shoreline:		
- Planning/Administration	10	15
- Zebra Mussel Monitoring Stations	15	15
- Shoreline Inspections (two) (2)	252	252
DNR Workshops (1)	9	6
• Grant Administration	85	100
Total Donated Man-hours	651	688

(1) Two volunteers for CB/CW boat inspections and one for Citizens Lake Monitoring Network.

- (2) Two inspections in 2008 using 2 persons per shoreline segment @ 3 man hours each for 21 segments..... $2 \times 2 \times 3 \times 21$ equals 252 man hours.

Volunteer Coordinator

TSLPOA retained one volunteer coordinator as an independent contractor in early May to inspect watercraft at Young's Landing through September 14th and schedule lake volunteers for this inspection duty generally week-ends and holidays. TSLPOA AIS Chairman handled the planning/coordination of the ASL effort. A second volunteer coordinator was also retained, under a similar contract, to assist from early June to mid-September.

The actual paid man-hours for volunteer coordinators were 669 hrs versus 705 hrs as budgeted from May 3rd through September 14th. As the CB/CW project progressed, it became quite clear that the watercraft inspection project could not have succeeded without a volunteer coordinator (s). This crew of two did an excellent job with the boaters, volunteers and her AIS presentation and exhibit was superb at our TSLPOA annual meeting; plus, two Board meetings. The decision to use the volunteer coordinators for only landing related duties proved to be sound.....it was a continual challenge and effort to schedule lake volunteers at the landing.

Fall Musky Inspections

During the performance of the above summer AIS watercraft inspections, it was brought to our attention by the WDNR Creel Survey Specialist stationed on TSL that there is usually considerable boat traffic at our landing by musky fishermen from late September to about November 1st. At our request, he confirmed same with Rhinelander DNR. Based on this input, TSLPOA extended our volunteer coordinators to inspect said watercraft during weekends from September 19th to November 1nd.

The above extension in watercraft inspection services produced 172 additional volunteer coordinator man hours for a 2008 total of 841 man hours. They inspected an added 75 watercraft entering TSL. In essence, a 25% increase in paid man hours produced a 16% increase in watercraft inspections.

b-1 \$ 4 \$ / 1794
= 793 hrs

Based on the above success, TSLPOA did apply to the WDNR, via the Town of Newbold, for additional AIS grant funds. *Our letter of request, dated December 8, 2008, is shown in Exhibit E (sent to Jane Milischke, Spooner DNR).*

Watercraft Inspections

The inspectors handled over 450 watercraft from May 3rd through November 2nd. About 245 boats (54%) were identified with TSL residents with the balance from 85 identified outside locations and 120 from unidentified locations. These outside locations are listed

in Exhibit B. Of the 85 known locations, about 10 were from known AIS locations and also included boats from Ohio, Alaska, Illinois, Iowa and Indiana. *Please note, there was a significant decrease in watercraft entering TSL from large local water bodies..... i.e. Lake Tomahawk, Rainbow Flowage and the Rhinelander Boom Lake area.*

In comparison, the total inspected watercraft entering TSL for 2006 and 2007 is as follows:

2006.....	500
2007.....	540
2008.....	450

There was no evidence in 2008 of any AIS species on the entering watercraft including zebra mussels.

Adopt - A- Shoreline Inspection

Two Sisters Lake has about 719 acres with 8.75 miles of shoreline and very clear with great water quality. The Lake was divided into 21 shoreline lengths of about 2000'. A volunteer family living near that length was assigned said inspection. An ASL instruction sheet were passed out for their use as shown in Exhibit B.

The TSL shoreline was inspected twice..... once in late June with emphasis on curly-leaf pond weed and early August for Eurasian water milfoil. No evidence was found of the AIS species. However, inspectors brought in coontail, northern milfoil, pickerel weed, elodea lake weeds. These samples were taken to DNR's Sandy Wichman by the ASL Lake Chairman.

TSLPOA assembled and installed two DNR zebra mussel monitoring stations in 2006. One is near the landing in Birch Bay, the other in Eagle Bay far from the landing. After periodic checking, no evidence was found of zebra mussels in 2008.

Each ASL inspecting family used DNR AIS weed identification laminates to identify the AIS features compared to their native look-a-likes. These were an excellent inspecting and training tool.....thanks to the DNR for grant funding them.

Our Rapid Response Team consisted of the ASL Lake Chairmen using equipment listed in Exhibit B delivering the refrigerated samples to Sandy Wickman of the Rhinelander DNR..... the system works. At the end of the summer, DNR Form 3200 -114 was sent to Sandy Wickman indicating that no AIS species were found in TSL from our ASL inspections. A copy of these completed forms is shown in Exhibit C.

Financials

The Town of Newbold, in partnership with the TSLPOA, was awarded a \$8572 DNR AIS Control Grant on April 1, 2008. TSLPOA, as the AIS project manager, paid the

wages of the volunteer coordinators, purchased various supplies and workshop fees, but did not retain any outside consultants for fees. These transactions are recorded on DNR Form 8700-002 as shown in Exhibit D along with copies of invoices and cancelled checks.

A DNR Grant Payment Request (Form 8700-001) has been prepared and signed by the Newbold Town Chairman. This Form shows a total reimbursement request of about \$9400 less an earlier grant advance for a final payment of about \$7300. The \$9400 amount compares quite favorably with the \$8572 grant award...about a 10% overage that includes the additional inspection hours for musky fisherman (see letter Exhibit E). These Forms are also shown in Exhibit D.

Incentive Fishing Lures

This incentive material with TSLPOA logo was purchased (using DNR grant funds) for distribution to boaters at the landing and various TSLPOA meetings for members. The material was placed in zip-lock bags for ease of distribution. About 350 were distributed in 2008 with great boater acceptance. *Thanks to the DNR for grant funding these incentive lures.*

This material seemed to serve as an incentive to boaters to be informed with good AIS prevention practice on TSL.

TSLPOA AIS Communications

A letter was sent to about 140 members and 35 other lake property owners on Two Sisters Lake in early 2008. The letter served two purposes. First, to serve as a AIS awareness alert. Second, it was the prime mode for lake volunteer recruitment. A copy of this letter along with copies of our regular spring and fall 2008 newsletters are shown in Exhibit E.

Discussion

- We anticipated about 40 volunteers in 2008, but secured 31 (about 78%). Based on the success of the 2008 AIS program there now appears a more positive attitude about this lake effort....so we anticipate about 3 additional volunteers in 2009.
- Based on the use of scuba divers at several landings on Lake Minocqua, we again plan to use our lake volunteer divers in 2009 especially around the landing...looking for Eurasian water milfoil and curly-leaf pond weed.
- While the AIS Chairman oversaw the whole AIS program on TSL in 2006, 2007 and 2008, the selection of a watercraft inspection volunteer manager would be useful especially to free-up the AIS Chairman. An ASL inspection chairman was selected in 2008 which proved to be a valuable asset to the TSL AIS program.

- Based the favorable comments of boater and lake property owners for the incentive packets in 2006, 2007 and 2008, we plan to make a similar distribution in the 2009 season.
- We got considerable mileage” from featuring our AIS program at the TSLPOA annual meeting.... Both from the discussion and the exhibit with sign-up sheets all around. In 2009, we hope to feature the TSLPOA’s total commitment to TSL (as far back as early 1970s) with water quality monitoring, our Citizens Lake Monitoring Network effort and improvements at the landing.
- The landing has a good launch area; plus, the adjacent beach that is frequently used by outside folks. We plan to routinely post some AIS educational material on cars of the beach users in 2009.
- The use of the DNR AIS weed identification card laminates worked out quite well.
- A DNR rusty crayfish trap will be installed in TSL in 2009.
- TSLPOA believes the TSL AIS Watercraft Inspection, Education and Rapid Response Project for 2008 was very successful.and was a solid effort of a long term AIS effort on TSL...keeping our 719 acres lake free from AIS species.
- Job Description: The DNR has requested a Job Description for the 2008 Volunteer Coordinator. This item is shown in Exhibit C.

Acknowledgements

- TSLPOA wishes to thank the Town of Newbold for their complete cooperation with special thanks to Dave Kroll, Town Chairman, who acted officially on behalf of the Town and TSLPOA with the WDNR.
- Thanks to the DNR Rhinelander Office: Lindsey Watch, Sandy Wickman and Jane Malischke of the DNR Spooner Office.
- Thanks to Gene and Linda Oestreich, full time TSL residents, for accepting the management of the ASL shoreline inspection program. Their performance was outstanding along with the 21 individual shoreline inspectors.

* * * * *

Notice: Project Sponsors are required to provide information requested on this form when applying for payment of a grant funded by the Department. See Reporting Requirements on reverse. The Department will not process your payment request unless you provide all information requested. This information will be used to determine the amount of your payment and issue your check. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].
 Submit one copy of this request form, your completed Grant Payment Worksheet (Form 8700-002), and required documentation, listed on reverse, to your DNR Grant Specialist. See the DNR web site for additional information: <http://www.dnr.state.wi.us/org/caer/cfa>

Project Sponsor Information

Project Sponsor / Management Unit Name TOWN OF NEWBOLD	Grant Number AEP-159-08
Project Name TWO SISTERS LAKE AIS INSPECTIONS, EDUCATION & RAPID RESPONSE	County ONEIDA
The DNR will mail the check to the name identified on the application as "Check Recipient." Questions? Contact DNR Grant Specialist.	Type of Request: <input type="checkbox"/> Partial <input checked="" type="checkbox"/> Final <input type="checkbox"/> Supplemental (Snowmobile Only)

Payment Information (see reverse for instructions)

A. Payment Record to Date	Amount	This Column for DNR Use Only
1. Amount of Grant (from original or amended Grant Agreement)	8572⁽¹⁾	
2.a. Advance Payment Received, if any	2143.00	
2.b. Total Payments Received after Advance Payment, if any	-	
2.c. Total Payments Received to Date (Lines 2.a. + 2.b.)	2143	
3. Funds Remaining (Line 1 minus Line 2.c.)	6429	

B. Cost Share Amount

4. Total Eligible Project Costs this Period. Transfer data from "Total Project Costs" field on Worksheet (Form 8700-002)	\$ 14660.36	
5. Your Share of Costs. See Line 5 instructions on reverse.	\$ 5208.00	
6. State Share of Costs (Line 4 minus Line 5) NOTE: This line cannot exceed the amount in Line 1.	\$ 9452.36	

C. This Payment Request and Grant Balance Remaining

7. Amount of Advance Payment Received (from Line 2a) (if no advance payment received or already accounted for, enter \$0)	\$ 2143.00	<i>3/2/09 O.K. per June 11 1042</i>
8. Amount Eligible this Claim (Line 6 minus Line 7) NOTE: This line cannot exceed the amount in Line 3.	\$ 7309.06³	Amount approved this claim →
9. Grant Balance Remaining (Line 3 minus Line 8)	\$ -	

Lake & River Grants Only: Does project include State Lab of Hygiene Sample Analysis? Yes No

Certification

I certify that, to the best of my knowledge and belief, the eligible costs requested are in accordance with the terms of the grant agreement and that all expenditures are based on actual payments of record. This reimbursement represents the grant share due that has not been previously requested.

Name of Authorized Representative - type or print DAVID G. KROLL, TOWN CHAIRMAN	(Area Code) Telephone Number 715-493-9435 (W)
Signature of Authorized Representative <i>[Signature]</i>	(Area Code) FAX Number 715-277-4401 (H)
Date Signed 01-06-09	E-mail Address dkroll@newboldtown.com

Space Below this Line for DNR Use Only

Grant Specialist Signature	Reimbursement Approval Date
----------------------------	-----------------------------

(1) original 2008 DNR AIS Control Grant. A Grant increase was applied for on 12/08/08. Above Section B reflects this increase.

December 8, 2008

Wisconsin DNR
810 W. Maple
Spooner, WI 54801

Attn: Jane C. Malischke
Environmental Grant Specialist

**RE: Two Sisters Lake
AIS Control Grant AEPP-159-08
Additional Grant Allocation**

Dear Jane:

The Town of Newbold, Oneida County and Two Sisters Lake Property Owners Association (TSLPOA) are in partnership in the above 2008 AIS Grant. Our original grant application shows watercraft inspection from May 3 through September 14th.


During the performance of the above AIS watercraft inspection, it was brought to our attention by the WDNR Creel Survey Specialist (Dave Stahmer) stationed on TSL that there is generally considerable boat traffic at our landing by musky fishermen from late September to about November 1st. At our request, he confirmed same with the Rhinelander DNR. Based on this input, TSLPOA extended our volunteer coordinators (independent contractors) to inspect said watercraft during the weekends. This was accomplished through November 2nd as follows:

	Actual Hours paid	Budgeted Hours
May 3 thru September 14	669	705
September 14 thru November 2	172	-----
Total Volunteer Coordinator Hours	841	705

While no TSL lake volunteers were used during the above extended time period, our 2008 AIS Grant Final Report will show volunteer time at 651 hours vs 688 budgeted. This includes watercraft inspection at our landing, Adopt-a-Shoreline inspection, grant administration, outside education, AIS workshops, planning and zebra mussel monitoring station work. Our 2008 AIS Final report will also show an increase in the hourly wage from \$9 to \$10.00 per hour for our main coordinator with the assistant remaining at \$9.00 per hour. The hourly breakdown for this extension is as follows: 144 hours @ \$10 with 28 hours at \$9.00 per hour.

Based on the extended watercraft inspection hours, we hereby apply, via the Town of Newbold, for additional grant monies for Grant AEEP-159-08. The final 2008 AIS report will be submitted by January 15, 2009.

Sincerely,


J. Robert Nicholson
TSLPOA AIS Chairman
608-850-6311

Concurrence by the Town of Newbold:

David G. Kroll
Town Chairman
715-277-4441 (H)

Cc; Chuck Wood: TSLPOA, President

EXHIBIT B

TWO SISTERS LAKE

AIS WATERCRAFT INSPECTION

Results for Summer 2008

TSLPOA volunteers and a paid two volunteer coordinator inspected over 450 watercraft from May 4th to November 2, 2008. About 245 watercraft were identified with TSL residents (54% of total) with the balance from other outside locations. These other locations are listed below. They are:

Outside Identified Waterbodyies	2008 Number of Watercraft	
Wausau Area	1	
Rhineland/Boom Lake Area	8	(2007 - 19, 2006 - 18 boats)
Hancock	2	
Sweeney	2	
Tom Doyle	1	
Mississippi River	1	*
Muskelunge	2	
Tomahawk	4	* (2007 - 21, 2006 - 25 boats)
Madison Area	1	*
Spider	1	
State of Iowa	1	*
State of Illinois	7	* **
Clear	3	
Rainbow Flowage	5	* (2007 - 16, 2006 - 23 boats)
Squirrel	2	
Bearskin	2	
State of Ohio	1	
Big Arbor	1	
Flannery	2	
Eagle River Chain (Vilas Cty)	1	*
Winnebago (Winn. Cty)	1	*
Pelican	1	
Lake Michigan	1	* **
Big Cedar	1	
State of Indiana	1	
Gilmore	1	

Munson	1	
Sand	2	
Horsehead	2	
Bass	1	
Buffalo	1	
Stone	1	
Crescent	2	
Big Horn	1	
Swan Lake	1	
Mildred	3	
Mercer	1	
Crystal	1	
Pickrel	1	
State of Alaska	1	
Bird lake	1	
Blue	1	
Metonga	1	
Moen	1	
Squash	1	
Jenny Weber	1	
Brown	1	
Simpson	1	
Nakomis	3	
La Crosse Area	1	* (Mississippi River)
Total Identified WB	85	
Total Unidentified WB	120	
Total Outside Waterbodies	205	(2007- 202, 2006 - 217 boats)

* Known AIS Weed Locations

**Known Zebra Mussel Locations

TWO SISTERS LAKE

2008 Shoreline AIS Inspection

Why Inspect the Shoreline of Two Sister Lake?

- As far as we know TSL has no AIS, but this is no guarantee for the future even with a good watercraft inspection program at Youngs Landing.
- If you catch AIS early, it is far easier and much cheaper to control small AIS populations: plus, you can prevent these populations from spreading using control methods.

* * *

Suspect Lake Weeds:

- Eurasian Water Milfoil (EMF) – emphasize in Inspection #2 below
- Curly-leaf Pondweed (CPW) - emphasize in Inspection #1 below
- Purple Loosestrife...shoreline weed, not in water

Suspect Animal:

- Zebra Mussel

Dates of Inspection: (any convenient time)

- **Inspection #1:** About June 23th
- **Inspection #2:** About August 6st

Estimated Duration of each Inspection: 2-4 hours

Method:

- Walk assigned shoreline or use small boat, canoe or kayak out to the end of piers or 25 feet from shore which ever is greater.
- Sample weeds using hands and/or iron rake
- Identify weeds: Eurasian Milfoil or Curly-leaf Pondweed....*if neither, discontinue identification process at that sampled location.*

- If EMF or CLP or any questionable weeds, place in Ziploc bags and place bags in small iced cooler
- Stake location (red) on shore, mark map and measure distance from shore and its depth.
- Check all pier legs, buoys, etc. for ZM....sandpaper rough. Also. check weed stems for black sandpaper-like spots.

Equipment:

- Life Jacket
- Long-handled rake with rope attached with wood float
- Lake Map...furnished by TSLPOA
- Clipboard
- Ziplock bags and small iced cooler
- Black waterproof marking pen... mark ziploc bags with appropriate location information.....including TSL
- Measuring tape
- Small DNR identification cards: EMF, CLP and ZM
- Red marked shoreline stakes

Completion: Report results to Gene Oestreich (277-4485) at day of inspection including hours spent and number of inspectors used for your assigned shoreline.

* * * * *