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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	

Section II: Applicant Information

Applicant Bayfield County Land & Water Conservation Department			Type of Eligible Applicants			
Waterbody Name Bayfield County Lakes, Lake Superior			<input checked="" type="checkbox"/> County	<input type="checkbox"/> Tribe	<input type="checkbox"/> Other Gov't Unit	<input type="checkbox"/> Federal
Project County/Township/Section/Range Bayfield County			<input type="checkbox"/> City	<input type="checkbox"/> Sanitary Dist.	<input type="checkbox"/> Nonprofit Org.	<input type="checkbox"/> State
			<input type="checkbox"/> Village	<input type="checkbox"/> Dist.	<input type="checkbox"/> College, School, etc.	<input type="checkbox"/> Other
			<input type="checkbox"/> Town	<input type="checkbox"/> Assoc.		
Authorized Representative Named by Resolution County Conservationist			Project Contact Name Jeremy Bates			
Authorized Representative Title County Conservationist			Project Contact Title AIS Project Coordinator			
Address PO Box 126			Address PO Box 126			
City Washburn	State WI	ZIP Code 54891	City Washburn	State WI	ZIP Code 54891	
Daytime Phone (area code) (715) 373-6167		Evening Phone (area code)		Daytime Phone (area code) (715) 373-6167		
E-mail Address bdufford@bayfieldcounty.org		E-Mail Address jbates@bayfieldcounty.org				

Mail Check to: (if different from applicant)

Name and Title Dan Anderson, County Treasurer	Address PO Box 397		
Organization Bayfield County	City Washburn	State WI	ZIP Code 54891

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)

Page 2 of 3

Section III: Project Information

Project Title Bayfield County Aquatic Invasive Species Project	Proposed Ending Date 12/31/15
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Other Management Units	Letter of Support	Other Management Units	Letter of Support
1. NCWMA	<input checked="" type="checkbox"/>	4. Bayfield County Forestry Department	<input type="checkbox"/>
2. Bayfield County Lakes Forum	<input type="checkbox"/>	5. UW-Extension Bayfield County	<input type="checkbox"/>
3. Bayfield County Tourism Department	<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	DNR Use Only
1. Salaries, wages and employee benefits	116,126.40	16,046.00	
2. Consulting services	4,500.00		
3. Purchased services--printing and mailing	2,000.00		
4. Other purchased services (specify):		15,000.00	
5. Plant material			
6. Supplies (specify) <i>Educational, monitoring equipment - see budget</i>	10,500.00	500.00	
7. Depreciation on equipment			
8. Hourly equipment use charges		3,200.00	
9. State Lab of Hygiene (SLOH) Costs			
10. Non-SLOH Lab Costs			
11. Other (specify) <i>Volunteer time</i>		9,816.00	
12. Subtotals (sum each column)	133,126.40	44,562.00	
13. Total Project Cost Estimate (sum of column 1 plus sum of column 2)	177,688.40		
14. State Share Requested (up to 75% of total costs may be requested)	133,266.30		

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 County Conservationist	Title of Authorized Representative County Conservationist
Signature of Authorized Representative 	Date Signed 7/31/13

Resolution

No. 2013-38

AQUATIC INVASIVE SPECIES CONTROL GRANT BAYFIELD COUNTY AQUATIC INVASIVE SPECIES PROJECT 2013-2015

WHEREAS, Bayfield County is committed to provide high quality water resources for use by the public for recreation and enjoyment of natural beauty, and;

WHEREAS, Bayfield County is presently implementing the Bayfield County Aquatic Invasive Species Strategic Plan, adopted in April 2008, to protect all water resources in the county from introductions of aquatic invasive species, to control those aquatic invasive species populations that exist, and to help safeguard water quality, wildlife habitat, property values and the tourism industry, and;

WHEREAS, we recognize some activities of the plan need to be expanded and deepened to strengthen the overall prevention and containment strategies, and improve the risk assessment of AIS in the majority of high use water bodies in the county, and;

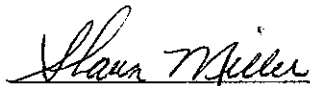
WHEREAS, we are committed, experienced, networked, and qualified to carry out the responsibilities of an aquatic invasive species control project.

NOW, THEREFORE, BE IT RESOLVED, that the Bayfield County Board of Supervisors assembled this 30th day of July, 2013, requests grant funding and assistance available from the Wisconsin Department of Natural Resources under the "Aquatic Invasive Species Control Grant Program" and hereby authorizes the County Conservationist, Land and Water Conservation Department, to act on behalf of Bayfield County to:

- submit an application to the State of Wisconsin for financial aid for aquatic invasive species control purposes;
- sign documents;
- take necessary action to undertake, direct, and complete an approved aquatic invasive species control grant; and
- submit reimbursement claims along with necessary supporting documentation within six months of project completion date; *and*

BE IT FURTHER RESOLVED that Bayfield County 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.

By Action of the
Bayfield County Board of Supervisors



Shawn W. Miller, *Chairman*

STATE OF WISCONSIN)
)ss.
BAYFIELD COUNTY)

I, Scott S Fibert, Bayfield County Clerk, hereby certify that the foregoing is a true and correct copy of Resolution NO. 2013-38, Volume 22, adopted by the Bayfield County Board of Supervisors at their meeting held on the 30th day of July, 2013.


Scott S. Fibert, Bayfield County Clerk



NORTHWOODS COOPERATIVE WEED MANAGEMENT AREA

Working Together to Protect Northern Wisconsin from Invasive Species
www.northwoodscwma.org

August 1, 2013

Pamela Toshner
Lake Coordinator
Wisconsin Department of Natural Resources
810 West Maple Street
Spooner, WI 54801

Dear Ms. Toshner:

I am writing on behalf of the Northwoods Cooperative Weed Management Area (NCWMA) to express support for the Bayfield County Land and Water Conservation Department application for AIS Education, Prevention, and Planning Grant funding. Bayfield County has been an active member of the NCWMA since its inception in 2005, and was the first county in the region to establish an ordinance to prevent the spread of aquatic invasive species. The Bayfield County AIS Coordinator position has been critical to educating local landowners, tourists, lake associations, and others about the impacts of invasive species. I am confident that the County will continue to be a strong partner in the effort to combat invasive species in northern Wisconsin.

As you know, invasive species have the potential to dramatically impact the lives and livelihoods of northern Wisconsin residents and businesses, as well as its unique ecosystems. Please support the Bayfield County Land and Water Conservation Department in their ongoing efforts to address this important issue.

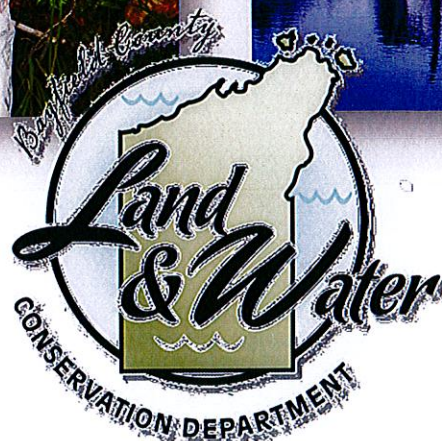
Sincerely,

Pamela Roberts
Northwoods Cooperative Weed Management Area Coordinator
715-373-6167
info@northwoodscwma.org
www.northwoodscwma.org



**Bayfield County
Aquatic Invasive Species Project
2013 – 2015**

**WDR AIS Control Grant Application
EDUCATION, PREVENTION, & PLANNING**



Bayfield County Aquatic Invasive Species Project 2011 - 2012

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Project Scope and Description

This proposed project will continue the Bayfield County Aquatic Invasive Species Project which is presently funded primarily by WDNR AIS Control Grant # AEPP-0294-11 until 30 Sept 2013. The majority of the activities listed in the Bayfield County AIS Strategic Plan either have been or are being implemented continuously by the executors identified in the plan.

Past Success and work: The Bayfield County AIS Project has expanded vastly by offering education programs and support throughout schools and communities of Bayfield County. On the grass roots level, the lake and property owner organizations have also done their part to provide education, prevention and planning activities, including the management of AIS in their waterbodies. There has also been a great amount of work accomplished through partnerships with groups like the WI DNR, Northwoods Cooperative Weed Management Area, and fellow county AIS Coordinators. These partnerships have allowed for information and resource sharing, training, and development of strategies to manage AIS. The primary focus of the Bayfield County AIS Project is coordination of these activities. This includes: proactive education, prevention, and planning; technical support and guidance for citizens of Bayfield County on all AIS issues; utilizing tools and resources available to accomplish the Bayfield County AIS Strategic Plan. This project has provided for a well-educated core group of citizen volunteers who have been crucial in identifying new populations of AIS and support for control work done on both new infestations and those previously reported. These citizens have also engaged with local and state government to develop conservation ordinances. There has even been education done by consistently inviting and hosting legislatures and governing officials to view work supported by this project.

Where we are going: Ideally all residents of Bayfield County would understand the consequences of AIS in their favorite lake or stream. This is not yet the case, but this project strives to reach all of them through media, schools, and public events. The AIS message must be more visible in more places in Bayfield County to educate both local residents and travelers alike. Public displays are a good place to start whether it is signs at the boat landings, displays at a resort, outreach at bait shops, or a booth at a fair. Also those with frequent contact with waterway users like recreational businesses and fishing guides can also help inform those unaware of AIS. These outreach and education opportunities include state AIS strategic campaigns and will be utilized as part of this project.

Many of the current volunteers have been fighting AIS for many seasons and are ready to take their effort to the next level and deserve better training programs. These programs will get them and their neighbors more involved in detecting and controlling AIS. This also includes county professionals involved in land management. All these individuals would benefit from hands on training day. There are also many new tools to use in identifying and tracking AIS. Volunteers require training on use of these tools.

There are still waterbodies identified in the Bayfield County AIS strategic plan which have had no survey. Also, many of the lakes have no organized effort to prevent AIS. This project continues to grow citizen based efforts which are supported by the county AIS coordinator. A new priority in Bayfield County is taking action on the Headwaters of the St Croix Watershed Study. Cooperation and coordination on the county level will greatly assist in implementing AIS/plant/lake management plans based off of the data provided by this study.

As stated previously the partnerships have been critical to this program. A main responsibility of the AIS coordinator will be to ensure these partners are included in AIS activities in Bayfield County. Coordination between agencies, county departments, and citizens is all necessary to ensure the strength of this program going into the future.

Description of Project Area

Bayfield County is the northernmost and second largest county in Wisconsin covering 1,502 square miles (listed as 944,800 acres- *2011-2012 Wisconsin Blue Book*). The county's northern boundary spans approximately 86 miles of Lake Superior's coast and includes many unique coastal estuaries and other natural features. The soils in this coastal area, finely textured and impervious red clay, are geologically young and highly erodible. This is clearly evident in Lake Superior after a hard rain. Erosion carries both nutrients that enrich surface waters and sediment that changes the topography of lake beds. Both are consequences that may aid populations of invasive species.

Approximately 49% of the county's land area (467,049 acres) is in public ownership. Federal (273,669 acres), state (24,182 acres), and county (169,439 acres) lands make up the majority of that ownership (*2011-2012 Wisconsin Blue Book*). In addition, towns have some acreage, as well as the Red Cliff Band of Lake Superior Chippewa whose lands are located in the most northeast part of the county. Notable larger tracts of public lands are the Chequamegon-Nicolet National Forest (which includes the Moquah Barrens Wildlife Management Area, and the Rainbow Lake and Porcupine Lake Wilderness Areas), the Bibon Swamp State Wildlife Area, the Totagatic River State Wildlife Management Area, and four of the Apostle Islands.

A significant portion of the county's geographic land base drains into Lake Superior (Lake Superior Basin). The remaining land base drains into the Mississippi River (Mississippi River Basin) via the Upper St. Croix, Eau Claire, Upper Namakagon, and Totagatic Rivers (St. Croix River Basin). The extreme southeast corner of the county is part of the headwaters of the Upper Chippewa River Basin. The top of the watershed between the two major basins is called the Great Divide, or Lake Superior Divide.

Bayfield County has 962 inland lakes, the fourth highest number of lakes in the state behind Vilas County (1,318 lakes) and Oneida County (1,129 lakes), and Washburn County (964 Lakes). Of the 962 inland lakes, only 352 are named and they alone comprise 21,776 acres of surface water, 96% of the county lake acreage. Although the majority of lakes in the county are small, the sheer number of them affords many opportunities for people to own lakefront property and also to recreate on lakes surrounded by public land. The majority of Bayfield County's water resources lie in the great number of rivers, streams and wetlands. Many rivers have the state Outstanding Resource Water (ORW) or Exceptional Resource Water (ERW) designation and many wetlands are listed as priority wetlands and aquatic sites of Lake Superior Basin. (See Bayfield County AIS Strategic Plan, Appendix B, and Table 2 for lists of these waters.)

Description of problems to be addressed by project

Bayfield County is a rural county and has many natural resources and unique features that draw visitors to the area. This source of income is significant to the county and a source the county cannot afford to lose. In addition, most lakes are surrounded by private property and these property owners pay a significant portion of the county's property tax. Based on these two income sources for the county, it behooves the county to safeguard its natural resources now and into the future. With the past WDNR AIS Control Grants, local initiatives and efforts have been supported and expanded with the administrative support from the county, be it in policy (establishment of AIS Committee and AIS Transport Ordinance), in strategic planning (county AIS strategic plan), in training (hosting workshops & trainings), and in the education of the general populace (displays and education at numerous events). These efforts have proven to lead state efforts with AIS. This will be continued by encouraging greater effort along Lake Superior Shoreline, expert work in handling populations of knotweed (as both Giant and Japanese are in Bayfield County), and offering further training for our outstanding volunteers. Giant Knotweed is an NR40 prohibited species and it is a priority of the strategic plan to control these species.

Need to continue work on goals and objectives of 2011-2012 AIS Project - Many of the goals and objectives in the current AIS project are ongoing activities which need to be continued, reassessed, and improved. Much work has been done to control riparian AIS like Japanese Knotweed and Purple Loosestrife. **However, Non-native Phragmites and Giant Knotweed have begun to become a problem in the area.** This will require further management and control plans, as well as research on best control strategies. Also the seed has been planted and some lake organizations are in fact developing aquatic plant management plans and lake management plans. This effort should be expanded and will become easier as more plans are developed in the county.

Need for coordination at county level – There is still agreement from the county supervisors, citizen organizations, conservation staff, and the Bayfield County AIS committee that coordination at the county level is necessary to track and organize AIS education, prevention, and control work. The county coordinator has served as a technical expert on many committees and at town board and lake association meetings. There is also a need to work with other surrounding counties, as sometimes political boundaries get in the way of work. For this reason, fellow AIS prevention professionals need a point of contact, someone who is an expert on the lakes in Bayfield County to assist in projects that cross county lines.

Recognition and training of volunteers- Many volunteers have worked to fight AIS in Bayfield County. Until now their reward has been containing AIS. A recognition program needs to be developed to honor their tireless efforts and acknowledge them as local experts on dealing with AIS matters. There should also be more advanced training made available for these volunteers such as Lake Leaders or other progressive level training for them to bring back to their lake or waterbody.

Need to update public on new AIS Threats and NR 40 revisions – There will be a new list of regulated species considered invasive in 2014. With the update of NR40, the county will need to ensure that its citizens are aware of what species require control and which species are illegal to transport. The water garden business has been growing in Bayfield County as well. We need to work with any vendors to

ensure AIS is not added through this vector. There will also be work done with property owners which have infestations of prohibited species like Giant knotweed and others designated by the new NR40 listing.

Equipment necessary to survey priority Lakes – This is still one of the major weaknesses in implementing the strategic plan. Reliance on partners to conduct priority waterbody surveys has proven ineffective in the past as they have many other priorities. Partnering with the DNR on early detection monitoring has been very successful but is limited to a random list of lakes and does not include the lakes locally identified a priority. Goal 3 of the Bayfield County Strategic Plan states: "Monitor Bayfield County waters for the presence of aquatic invasive species." The objectives and activities under this goal focus on citizen monitoring with education of municipalities and other county departments to look for invasive species while doing their jobs (Zoning, Forestry, and Highway). These individuals need on-site training. Ready access to a boat would be key to implementing these activities. The county needs to complete surveys similar to the Early Detection monitoring in order to determine more accurately the presence and transportation risk of submersed aquatic invasive species. For this reason, tow nets and other equipment are necessary. This would give the county and the lake groups a more accurate assessment of AIS presence and risk. It would also help to establish containment and control strategies for local areas.

Need for Management Plans – Again, all lakes would benefit from Lake Management Plans or Aquatic Plant Management Plans so that changes and risk of AIS establishment to these plant communities can be ascertained. Some of the larger lake groups have initiated management plans to various degrees; it would benefit the county to have more lakes with these plans. Another activity would be to encourage and facilitate the development of these plans for the priority lakes in the county. There are 2 lakes that are to be listed as impaired and 3 that are near the threshold for total phosphorus as identified in the St. Croix headwaters. Management plans would be fundamental to helping mitigate this problem and AIS associated with it.

Discussion of project goals and objectives

This project will continue all of the activities defined in the Bayfield County Aquatic Invasive Species Strategic Plan and the many important ongoing activities of the Bayfield County AIS project 2011-2012 (downloadable versions available at

<http://www.bayfieldcounty.org/assets/files/Conservation/BC%20AIS%20SP%20Updated%20Aug09.pdf>)

It will also expand and improve efforts of those activities with the following goals and objectives:

Goal A: Improve AIS Education and Outreach Efforts

Objective 1: Expand CBCW watercraft inspection efforts

Objective 2: Develop training for use of new DNR and other technology based tools to track and prevent AIS

Objective 3: Develop and incorporate AIS Educational displays at public places

Objective 4: Expand AIS outreach to include more field activities with more diverse groups

Objective 5: Continue participation with schools within county and expand successful school programs to other schools in county

Objective 6: Provide public and partners AIS updates to stay apprised of the latest AIS threats, management being done, and success stories

Goal B: Assess the AIS presence/absence in Bayfield County Water Resources and plan management of any AIS present.

Objective 1: Survey target lakes.

Objective 2: Survey target water ways

Objective 3: Survey target marinas/mouths of large rivers emptying into Lake Superior

Objective 4: Survey state and county natural areas for AIS presence and coordinate control with land managers

Objective 5: Coordinate surveys and management of waterbodies that contain AIS

Objective 6: Contact riparian property owners and work with them to manage prohibited species

Goal C: Track locations, control work, and spread of AIS.

Objective 1: Map locations of invasive species

Objective 2: Track progress of control, spread, or possible elimination of AIS

Objective 3: Encourage Citizen Reporting of AIS using new online tools

Goal D: Maintain and Expand Partnerships

Objective 1: Make available equipment and tools for AIS education, monitoring, and control to Project partners

Objective 2: Assist Citizen Organizations in management of AIS

Objective 3: Continue participation of Bayfield County AIS Committee

Objective 4: Recognition of AIS efforts being put forth by individuals and groups

Objective 5: Create new meaningful partnerships with other groups focused on conservation

Description of methods and activities

The methods for the above goals and objectives are listed below. All other methods and activities continuing from previous projects are listed in the Bayfield County Aquatic Invasive Species Strategic Plan.

Goal A: Improve AIS Education and Outreach Efforts

Objective 1: Expand CBCW watercraft inspection efforts.

- a) Apply offensive/defensive strategy where appropriate in preventing spread from AIS infected water bodies, especially Lake Superior
- b) Improve outreach and tools at boat launches to include inspection stations with removal tools on AIS contaminated waterbodies
- c) Encourage and assist coastal municipalities to develop CBCW programs
- d) Continue to assist and train local CBCW projects on priority inland lakes
- e) Incorporate boat decontamination into CBCW efforts

Objective 2: Develop training for use of new DNR and other technology based tools to track and prevent AIS.

- a) Train current volunteers on use of Great Lakes Early Detection Network reporting and app use

- b) Train groups on use of new DNR Lakes site and SWIMS interface
- c) Develop and provide quick guides for use of technology based tools

Objective 3: Develop and incorporate AIS Educational displays at public places.

- a) Display information at public areas such as youth centers, libraries, casinos, and town halls
- b) Provide and distribute NR40 changes and information
- c) Create or distribute already produced outreach materials for other places (i.e. placemats and coasters for at resorts/restaurants)
- d) Update signage at boat landings and other water resource access sites
- e) Work with marinas to display AIS messaging

Objective 4: Expand AIS outreach to include more field activities with more diverse groups

- a) Develop/conduct or work with partners on field trips for adult education
- b) Conduct field days with groups like 4-H, Scouts, youth groups, tribal organizations
- c) Conduct CLMN AIS pontoon classrooms and Project RED field trips
- d) Train individuals on identification of new AIS threats and NR 40 species
- e) Train experts in lake associations and other groups to take volunteers on field trips and provide AIS education
- f) Involve local business owners and fishing guides in AIS prevention techniques

Objective 5: Continue participation with schools within county and expand successful school programs to other schools

- a) Continue AIS presentations for 4th and 5th grade students in schools and on field trips
- b) Expand Drummond Middle School/Barnes Lake Ecology Education Program to other schools throughout County and State

Objective 6: Provide public and partners AIS updates to stay apprised of the latest AIS threats, management being done, and success stories

- a) Produce bi-annual newsletter in Spring (what is coming)and Fall (what has happened) of each year and share with towns, lake groups, and other partners
- b) Use media outlets to provide large numbers of people AIS information
- c) Assist individuals/groups with submitting proposals for NCWMA project assistance.
- d) Provide AIS information using other innovative ways (tax bills, tourism guides, recreation fliers)
- e) Participate with other State AIS campaigns such as "Drain Campaign", "Landing Blitz", "Protect WI waters/It's the Law", and Bait Dealer outreach.

Goal B: Assess the AIS presence/absence in Bayfield County Water Resources.

Objective 1: Survey target lakes.

- a) Continue to assist in WI DNR Early Detection Monitoring Project and expand project into lakes which are not listed by the study but locally identified as high priority
- b) Create a list of lakes that need surveying and review with federal and state partners.

- c) Conduct Zebra Mussel monitoring on lakes identified as suitable for Zebra Mussels
- d) Initiate communications with some shore land property owners and ask for their assistance
- e) Schedule a survey day mid-summer which will include training local volunteer assistants for the surveys and for possible long-term monitoring.
- f) Disseminate results to all partners and stakeholders.

Objective 2: Survey target water ways.

- a) Train volunteer assistants using River Alliance Project RED techniques for surveys and possible long-term monitoring.
- b) Disseminate results to all partners and stakeholders.

Objective 3: Survey target marinas/mouths of large rivers emptying into Lake Superior.

- a) Consult with state partners and marina owners obtaining their observations and concerns and any previous activities with AIS surveys.
- b) Support and encourage surveys on identified county waterways and estuaries
- c) Encourage marinas to participate in Green Marina Initiative
- d) Coordinate a collaborative effort to survey all marinas (if possible) on the Bayfield County Lake Superior coastline
- e) Assess size of AIS populations in Lake Superior Coastal Areas
- f) Set up a survey schedule incorporating efforts from as many stakeholders as possible.
- g) Disseminate results to all partners and stakeholders.

Objective 4: Survey state, county, and tribal natural areas for AIS.

- a) Survey public land areas (Bibon Swamp, White River, Frog Bay, and other wetlands) for Japanese/Giant Knotweed, Phragmites, Yellow Iris, and Purple Loosestrife
- b) Coordinate control with local land managers and NCWMA
- c) Provide information to state Wetlands Invasive Species Specialist and other stakeholders

Objective 5: Coordinate surveys and management of waterbodies that contain AIS

- a) Coordinate and/or conduct PI surveys on waterbodies which contain AIS
- b) Encourage and support development of aquatic plant management plans
- c) Work with local partners to develop strategy on managing AIS in specific waterbodies

Objective 6: Contact riparian property owners and work with them to manage prohibited species

- d) Continue Knotweed Knockout days and seek education/stepped enforcement for Giant Knotweed sites
- e) Work with Waste Water Treatment plants in Washburn and Bayfield to control spread of Non-native Phragmites

Goal C: Track locations, control work, and spread of AIS.

Objective 1: Map locations of invasive species.

- a) Develop GIS maps of AIS locations in county by lake and by specific site

- b) Provide maps easily accessible through web site and print materials to public and partners

Objective 2: Track progress of control, spread, or possible elimination of AIS.

- a) Develop GIS maps of control work done and its results
- b) Share information through website and by making GIS files available to other partners

Objective 3: Encourage Citizen Reporting of AIS using new online tools.

- a) Train AIS monitors to use online tools and apps
- b) Request observation reports from CLMN AIS monitors
- c) Provide feedback on use of these tools to developers
- d) Provide links to tools via county AIS website

Goal D: Maintain and Expand Partnerships.

Objective 1: Make available equipment and tools for AIS education, monitoring, and control to Project partners.

- a) Purchase AIS monitoring and sampling tools to include tow nets, snorkel gear, cameras, and other necessary equipment
- b) Create an equipment checkout program for use of AIS monitoring and sampling tools
- c) Provide assistance for other partners to attain equipment necessary for AIS education, monitoring, and control

Objective 2: Assist Citizen Organizations in management of AIS

- a) Organize AIS plant pulling and provide expertise at events
- b) Provide expertise and sampling for chemical control methods
- c) Train and assist in bio-control projects

Objective 3: Continue participation by Bayfield County AIS Committee.

- a) Hold Bayfield County AIS Committee meetings quarterly at a minimum
- b) Organize a Bayfield County AIS roundtable or similar annual program hosted by AIS Committee
- c) Sponsor a Committee member or other representative for Lake Leaders or other training events
- d) Committee will work to develop a local program similar to Lake Leaders to provide one community organizer on priority water bodies
- e) Reassess the Bayfield County AIS Strategic Plan

Objective 4: Recognition of AIS efforts being put forth by individuals and groups

- a) Provide award or certificate which recognizes individuals and groups for outstanding AIS efforts in Bayfield County
- b) Nominate outstanding individuals for Lake Superior Stewards or Wisconsin Lakes Partnership Awards
- c) Allow for successful efforts to be showcased at outreach events

Objective 5: Maintain and create meaningful partnerships with other groups focused on conservation

- a) Partner with new groups with community service projects (Master Naturalists, Master Gardeners, Cable Natural History Museum, Northern Great Lakes Visitor Center)
- b) Provide AIS outreach and materials for these groups
- c) Seek cooperation with other County Departments (Tourism; Forestry, Parks, and Trails)
- d) Pursue and assist in funding resources for local AIS projects
- e) Share successes and challenges in Bayfield County throughout the state
- f) Work with Statewide, Nationwide, and Tribal campaigns/strategic plans to ensure implementation on a local level
- g) Take a lead role and partner with St Croix Headwaters Study stakeholders to develop and implement plans throughout the watershed

Description of project products and deliverables

Improve AIS Education and Outreach Efforts

1. 2 new inspection stations at busy landings of waterbodies which contain AIS
2. At least 1 Lake Superior town adopting a CBCW program
3. 1,000 contacts made with NCWMA boat wash
4. Quick guides to use new tools
5. New display at 3 public venues
6. 10 CBCW/CLMN/Smart Prevention workshops held
7. Minimum 10 field trips/presentations with schools
8. 6 press releases/media news stories with local work highlighted
9. Participation by at least 5 groups and feedback from them of "Landing Blitz" and Bait dealer outreach

Assess the AIS presence/absence in Bayfield County Water Resources

1. Coordinated list of all lakes/water ways surveyed in the past 5 years by federal, state, tribal, and citizen monitoring
2. Countywide map of lakes/waterways with AIS
3. GPS data of specific AIS locations
4. Lake maps showing location of infestations
5. CBCW workers used to gather detection information from waterway users
6. 10-15 lake/waterway surveys conducted
7. New signs installed on all public boat launches and data entered into SWIMS
8. Management Plans developed for Waste water treatment plants utilizing Non-native Phragmites for phytoremediation

Track locations, control work, and spread of AIS

1. Maps of AIS presence/control work uploaded to county web site
2. Shapefiles/GPS coordinates of AIS by species
3. 50 people trained in use of online tools and apps to report locations of AIS

Maintain and Expand Partnerships

1. Log of equipment usage
2. 4 hand pulling events for Eurasian Water-milfoil/Curly leaf Pondweed
3. 6 AIS Committee meetings, at least two of which will include some type of round table discussion with other stakeholders, 1 will include reassessment of strategic plan
4. At least 2 individuals/groups nominated or recognized for their AIS work
5. Management Plan developed in the St Croix Headwaters Watershed through this and other supporting projects

Description of data to be collected

Various data collection will be done in order to complete the AIS project's and county strategic plan's activities. These data will include:

1. Compiled CBCW data from all the county partners as well as Sign surveys entered into WDNR SWIMS database
2. Early detection monitoring Data on both study lakes and other priority waterbodies entered into SWIMS
3. List of partners and projects they currently contribute to in Bayfield County
4. Contact information for legislators, municipalities, and agency individuals for regular communications
5. GIS/GPS data of AIS monitoring, identification, and control
6. AIS populations—locations, management activities, surveys

Description of existing and proposed partnerships

Presently, the Bayfield County AIS Project has strong networks with many of the federal, tribal and state agencies, most of the lake associations, and some of the towns and cities within the county. The agency network continues to be strengthened by the 'workday' and education opportunities that come with a signatory membership with the Northwoods Cooperative Weed Management Area (NCWMA). By meeting regularly with the group, the AIS Coordinator strengthens working relationships and coordinates AIS activities with as many as eleven active federal, tribal, state, town, non-profit, and business entities.

The Bayfield County AIS Committee continues to be active in overseeing the strategic plan, recommending and implementing certain activities (Lake Group Round Table, interviewing new coordinator, input into AIS activities). The Tourism and Recreation Department and the UWEX-Bayfield County continue to interact with the AIS Coordinator and assist with plan activities where noted. Individuals of the Highway Department, including the Highway Commissioner, gave valuable input and attended an Invasive Species Right-of-Way Workshop hosted by a strong county partner, the NCWMA. Other municipalities also attended the workshop and in collaboration with NCWMA, the AIS Project will continue to strengthen relations and assist municipalities to address AIS. Additionally, with the transfer of the administration of the county parks to the Department of Forestry, the AIS Project will work closely with them to maintain CBCW prevention programs at Twin Bear and Delta County Parks.

The AIS Coordinator continues to work closely with the Bayfield County Lakes Forum and other lake groups in the county, attending meetings, assisting with resources, and getting out on the lakes with lake association members. It is typically through these groups that local business are educated about AIS

matters each year—communications come from the coordinator, passed to lake groups, and then passed to businesses.

The county will continue to work with local WI Sea Grant and WDNR AIS Coordinators/Water Guards to maintain multi-levels of prevention.

Discussion of role of project in planning and/or management of lake

One goal of this project is to assess the AIS presence/absence in Bayfield County Water Resources and plan management of any AIS present. One way to do this is develop Aquatic Plant Management Plans. The county recognizes the benefit to these plans on individual lakes and across the county as a whole. Also, we will focus on lakes with little or no lake group activities to assess the overall AIS risk across the county by doing preliminary visual surveys.

Timetable for implementation of key activities

Activities will begin in the Fall 2013 and continue to December 2015. Many activities are seasonal or set by other calendars (school, municipal) and particular activities will accommodate those calendars.

Plan for sharing project results

The Bayfield County AIS website will be the primary information/project-result sharing vehicle. Any database/spreadsheet of AIS activities created will be accessible via the website and/or emailed to cooperating partners. Project updates will be provided to the Land Conservation Committee and AIS Committee, during their quarterly or more frequent meetings. All mandated reports required by WDNR will be completed. Any other data deemed necessary by newly appointed Northern Region DNR AIS Specialist and NOR lakes coordinator will be forwarded through respective office.

Itemized Budget: Bayfield County Aquatic Invasive Species Project 2013 - 2015

	Item	Calculation if Needed	State Share	Sponsor Match
Salaries, Wages, and Employee Benefits	Project Coordinator, salaries, wages and employee benefits	2 yrs @, 40 hr/wk, \$18.76/hr, Gemini (4,160 hrs X \$24.69/hr)	\$102,710.40	
	LWCD support staff, salaries, wages and employee benefits	2 yrs @ 7.5hrs/wk @ \$17.20/hr \$14,310.40	\$13,416.00	
	AIS Committee members time	6 members @18hrs/yr x 2yrs x \$12/hr		\$2,592.00
	County Grant Administration from Clerk's Department	~\$23/hr for 2hr/mo X 24 mo		\$1,104.00
	LWCD personnel discussing AIS with landowners & AIS prevention actions with mitigation plans	~\$23/hr for 150 hours		\$3,450.00
	Other time from college, county, and consulting professionals	~\$23/hr for 400 hours		\$2,300.00
	In-kind hours from USFS, NPS, FWS and other federal partners	Various salaries		\$3,000.00
	In-kind hours from Town, City & Village administration of AIS activities	Various salaries from employees of municipalities: ~\$15/hr for 10hr/yr X 2 yrs X 12 municipalities		\$3,600.00
Consulting Services	Coordinator, AIS Committee, and other Training Expenses (i.e. Lake Leaders, Plant ID, Conferences)		\$2,500.00	
	Site Visit/County Travel		\$2,000.00	
Purchased Services	Printing and Paper Supplies for newsletters & communications		\$1,500.00	
	Postage		\$500.00	
Other Purchased Services	Office Space, telephone use & computer support	~ \$7500 per year		\$15,000.00
Supplies	Educational Supplies		\$4,000.00	
	Monitoring Equipment	(boat lease, tow nets, scuba/snorkel gear)	\$6,000.00	
	Leveraged funds from federal/non state programs and/or contributions from lake associations			\$500.00
	Office Supplies		\$500.00	
Hourly Equipment Use Charges	Equipment donated to survey lakes	80 hours various equipment avg. \$40/hr		\$3,200.00
	In-kind hours from Town, City & Village Meetings	\$12/hr for 4 individuals X 0.5 hr X 24 municipalities		\$576.00
	Volunteer time to present in school classrooms and at community events	\$12/hr for ~ 50 hrs		\$600.00
	Volunteer Time Workshops	\$12/hr for 180 hours (6 workshops @ 10 attendees)		\$2,160.00
	Volunteer time to survey lakes with AIS Coordinator	\$12/hr for 10 individuals x 10 hrs ea		\$1,200.00
	Lake shore monitoring by property owners, civic groups, etc.	\$12/hr X 200 hrs X 2 yrs		\$4,800.00
	Business owners maintaining AIS information and prevention activities	\$12/hr for ~ 40 hrs		\$480.00
				\$133,126.40
Project Total			\$177,688.40	0.2508