

COUNTY OF DOOR SOIL & WATER CONSERVATION DEPT

COUNTY GOVERNMENT CENTER 421 NEBRASKA STREET STURGEON BAY, WI 54235

> PHONE: (920) 746-2214 FAX: (920) 746-2369 swcd@co.door.wi.us

July 30, 2013

Ms. Amanda Heroux Water Resources Management Specialist 2984 Shawano Avenue Green Bay, WI 54313-6727

Ms. Heroux:

Enclosed please find one original and one copy of Door County Soil & Water Conservation Departments application entitled *Door County Aquatic Invasive Species Education, Prevention, & Planning* for WDNR's Aquatic Invasive Species Control Grant Program. An electronic copy has also been sent to your email address.

Please contact me at (920) 746-2275 should you have any questions or would like to discuss our grant application further.

Sincerely,

Greg Coulthurst
Conservationist III

Cc: William Schuster, County Conservationist

State of Wisconsin Department of Natural Resources

Prior Grant Award(s)

Yes

Fiscal Year(s)

Aquatic Invasive Species (AIS) Control Grant Application

Project Awarded

Form 8700-307 (12/11)

Page 1 of 3

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 Established Infestation Control Early Detection & Response Legislative District Numbers To determine your legislative district, go to http://165.189.139.210/WAML// Senate Assembly Type in complete address, next screen shows information. Section II: Applicant Information Applicant Type of Eligible Applicants Door County Soil & Water Conservation Deptartment Other Gov't Unit County Tribe Federal Waterbody Name City Sanitary Dist. Nonprofit Org. State L. MI, Green Bay, inland lakes, streams, wetlands Village Dist. College, Other Project County/Township/Section/Range School, etc. Town Assoc Door County WI Project Contact Name Authorized Representative Named by Resolution Greg L. Coulthurst William E. Schuster Authorized Representative Title Project Contact Title Conservationist III County Conservationist Address Address 421 Nebraska Street 421 Nebraska Street ZIP Code State ZIP Code City State City Sturgeon Bay WI 54235 Sturgeon Bay WI 54235 Daytime Phone (area code) Daytime Phone (area code) Evening Phone (area code) Evening Phone (area code) (920) 746-2214 (920) 746-2275 E-mail Address E-Mail Address gcoulthu@co.door.wi.us wschuster@co.door.wi.us Mail Check to: (if different from applicant) Address Name and Title ZIP Code State Organization City For DNR Use Only Date Reviewed (AIS/LC/RC) AIS/Lake /River Coordinator Approval /Date Application Type Date Received Adequate Public Access Environmental Grants Specialist Approval / Date Waterbody ID# Yes No Research / Demo Project Eligible Applicant Eligible Project Project Priority Rank No Yes No Yes No Yes

Amount Received To Date

Aquatic Invasive Species (AIS) Control Grant Application Form 8700-307 (12/11) Page 2 of 3

Section III: Project Information					In	F!!	D-t-
Project Title	antion & Die	nnina			Proposed 12/31/1		Date
Door County Aquatic Invasive Species Education, Prevo	Letter of	Immig			12/31/1		Letter of
Other Management Units	Support		Other Managen	nent Units			Support
1. Door County Land Trust	\boxtimes	4. Door Cou	ınty Parks Departı	nent			\boxtimes
2. Door County DNR Forestor	\boxtimes	5. WI DNR	District Ecologist	- Joe Her	nry		X
3. Clark Lake Advancement Association	\boxtimes	6. The Ridge	es Sanctuary- Wri	tten comr	nittment		\times
Section IV: Public Access							
Number of Public Vehicle Trailer Parking Spaces Availa	ible at Public	Access Sites	s: 1,830)	+		Marra
Number of Public Access Sites Including Boat Launche	s and Walk-i	ins:	63		+		
Section V: Cost Estimate and Grant Request		and the Art of the Art				·	
Section V must be completed or application v	vill be retu	rned.			t Costs		
Details in support of Section V are welcome.			Column 1 Cash Costs		mn 2 d Value	DNR	Use Only
Salaries, wages and employee benefits			82,100.00	31,7	00.00		
Consulting services							
Purchased servicesprinting and mailing							···
4. Other purchased services (specify):				714			,,,,
5. Plant material							
6. Supplies (specify) Education & Work party	y materia	als	2,000.00				
7. Depreciation on equipment					ye		
8. Hourly equipment use charges				1,8	00.00		
9. State Lab of Hygiene (SLOH) Costs							
10. Non-SLOH Lab Costs							
11. Other (specify) Column 1: Travel Column 2:	Cash don	atinos	3,000.00	13,4	00.00		
12. Subtotals (sum each column)			87,100.00	46,9	00.00		
13. Total Project Cost Estimate (sum of column 1 pl	us sum of c	olumn 2)	134,000.00				
14. State Share Requested (up to 75% of total costs	s may be re	quested)	-100,500.00	*\$87,10	0		
Subject to the following maximum grant amounts: • Education, Prevention and Planning Projectsup to • Early Detection and Response Projectsup to \$20, • Established Infestation Control Projectsup to \$200	000		*State Share	request	c: 65%		
Use of Federal funding as match: (check box below if app We are using or planning to apply for Federal funds to		match.					

If known, indicate source of funding:

Aquatic Invasive Species (AIS) Control Grant Application Form 8700-307 (12/11) Page 3 of 3

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 Form	f Hygiene (SLOH) only: a completed SLOH Projected Cost
✓ 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 manageme	ent of lake
i. Timetable for implementation of key activities	
k. Other information in support of project not described above	
B. For applicants that are Lake Management Organizations (LMOs), Riv Non-profit Organizations:	ver Management Organizations (RMOs) or Qualified
1. For first time applicant LMOs/RMOs only: A completed Form 870 8700-287 (River Management Organization Application)	00-226 (Lake Association Organizational Application) or
2. For first time applicant Qualified Nonprofit Organizations only: Co Articles of Incorporation and Bylaws 3. List of national and/or statewide organizations with which you are	
4. List of board members' names, including municipality and county	
5. Documentation of current financial status	
6. Brochures, newsletters, annual reports or other information about	vour organization
C. Education, Prevention and Planning Projects: (No additional attach	
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	d correct and in conformity with applicable Wis. Statutes.
Print/Type Name of Authorized Representative	Title of Authorized Representative
William E. Schuşfer	County Conservationist
Signature of Authorized Representative	Date Signed 29 13

ATTACHMENT 1: AUTHORIZING RESOLUTION

Resolution



22

23 24 25

AQUATIC INVASIVE SPECIES GRANT

1 2	WHEREAS, Door County Shoreline and Inland Lakes is an important resource used by the public for recreation and enjoyment of natural beauty; and
3 4 5	WHEREAS, the protection of critical watershed areas and reasonable lake use activities are paramount in the protection of water quality and the natural ecosystem of
6 7	the lake; and
8 9	WHEREAS, we are qualified to carry out the responsibilities of this protection project
10 11 12 13 14	NOW, THEREFORE, BE IT RESOLVED, Door County Board of Supervisors Land Conservation Committee requests the funds and assistance available from the Wisconsin Department of Natural Resources under the Aquatic Invasive Species Grant Program; and
15 16 17 18 19	HEREBY AUTHORIZES, Door County Soil & Water Conservation Department to: submit an application to the State of Wisconsin for financial aid for lake protection purposes; sign documents; and take necessary action to undertake, direct, and complete an approved protection project.
20 21	BE IT FURTHER RESOLVED THAT, Door County Soil and Water Conservation

Department will comply with state rules for the program, may perform force account

Land Conservation Committee

Hugh Mulliken, Chairman

work, and will meet the financial obligations under the grant.

Cletus Fontaine

Dan Vandertie

Mark Feuerstein

John Neinas

ATTACHMENT 2: LETTERS OF SUPPORT

July 12, 2013

Mr. Greg Coulthurst Door County Soil & Water Conservation Dept. Sturgeon Bay, WI 54235

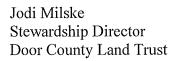
Dear Mr. Coulthurst,

As Stewardship Director for the Door County Land Trust, I am pleased to submit this letter to you in support of the Soil & Water Conservation Department funding application for the Door County Aquatic Invasive Species Control through Education, Prevention, and Planning. Since 1986, the Land Trust has protected nearly 7000 acres of open space, forest, wetlands and lakeshore throughout the county. As an active member of the Door County Invasive Species Team (DCIST) since its inception in 2000, the Land Trust recognizes that invasive species are a critical threat to the integrity of our fragile terrestrial and aquatic ecosystems.

Through our ongoing participation in the Door Stewardship Alliance and through numerous restoration grants, the Land Trust has invested thousands of staff, contractor and volunteer hours to identify and control invasive plants on our preserves, including the aquatic species reed canary grass, hybrid cattail, *Phragmites* and glossy buckthorn, which are particularly devastating to our wetland habitats. The DCIST program, with its key component of a DCIST Coordinator position, has been instrumental in creating a broad-based countywide invasive species initiative which integrates the efforts of many diverse conservation partners and stakeholders.

AIS funding has been essential to the development and implementation of the DCIST program, and continued funding is equally important to its long-term success. Through AIS support, DCIST's many important accomplishments have included raising public awareness of the impacts of aquatic invasives, recruitment and training of volunteers, education of landowners, and coordinating on-the-ground invasives control efforts throughout Door County. I am happy to offer the Land Trust's full support of continuation of AIS funding and the overall DCIST program. I look forward to working with you to ensure the success of this extremely worthwhile partnership project.

Sincerely,



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
110 South Neenah Ave.
Sturgeon Bay WI 54235

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



June 27, 2013

Door County Soil & Water Conservation Department Greg Coulthurst 421 Nebraska St. Sturgeon Bay, WI 54235

Subject: Aquatic Invasive Species Grant

Dear Greg:

You have my continued support for the efforts of the Door County Invasive Species Team to sustain its fight against invasive species in Door County. The battles are many in both terrestrial and aquatic ecosystems to rid or reduce the impact of invasives. I am pleased that on a number of fronts Door County has been proactive on this issue. Anyone who has dealt with invasives knows relentless efforts are needed to match the threat.

I continue to refer landowners to DCIST. It is a valuable resource for both landowner assistance and education.

Hopefully you are successful in securing the funding needed to continue a tough and worthy mission.

Sincerely,

Bill Ruff - DNR Forester



County of Door DOOR COUNTY PARKS

3538 Park Drive Sturgeon Bay, WI 54235



Erik Aleson
Parks Director
(920) 746-7132
ealeson@co.door.wi.us
http://map.co.door.wi.us/parks

June 28, 2013

Greg Coulthurst Door County Soil & Water Conservation Department 421 Nebraska Street Sturgeon Bay, WI 54235

Re: Support for DCIST's Aquatic Invasive Species Education & Control Project

The Door County Parks Department supports the Door County Invasive Species Team (DCIST) application to the Wisconsin Department of Natural Resources Aquatic Invasive Species Control Program.

Door County Parks oversees 19 county parks including 13 shoreline parks, 12 miles of state trail system and 2 official swimming beaches, many of these parks are starting to see an invasion of invasive plants and one of the beaches has a severe outbreak of Phragmites. Our staff is limited in size compared to the number and size of parks that we have to maintain. The work of the DCIST and volunteers is important to Door County Parks. The continued education, prevention and planning is critical for Door County landowners, elected officials, and visitors of the county to gain the knowledge and tools to control invasive species.

The Door County Parks Department strongly supports the work of the DCIST and urges the state to fund their Aquatic Invasive Species Education & Control Project.

Thank you for considering this need.

Sincerely,

Eril aleson

Erik Aleson Door County Parks Director Door County Soil & Water Conservation Dept. ATTN: Amanda Surfus 421 Nebraska Street Sturgeon Bay, WI. 54235

RE: Support for DCIST's Aquatic Invasive Species Control Project

To whom it may concern:

The Clark Lake Advancement Association (CLLA) offers this letter of support for continued WDNR Aquatic Invasive Species (AIS) Control Grant funding for the Door County Invasive Species Team efforts to control AIS in Door County.

Clark Lake, located less than a mile from Lake Michigan, has been significantly impacted by AIS, having been impacted by Zebra Mussels, Phragmites, Purple Loosestrife, and as a VHS "suspect" water body. Round Head Gobies are "knocking at the door "to Clark Lake, having been found in Whitefish Bay Creek, the stream which connects Clark Lake to Lake Michigan.

Clark Lake volunteers have, with significant support from DCIST, started a control program for Phragmites. Members of the CLAA have been trained in Clean Boat/Clean Waters by DCIST and others. Continued funding of DCIST efforts are essential to slow the spread of AIS from Lake Michigan and Green bay into our inland waters, both in Door County and outside.

This continued funding will help establish AIS programs to stop the removal and ultimate transport of AIS from Lake Michigan and Green Bay to lakes such as Clark, Kangaroo and Europe.

Please consider this letter of support in your deliberations for granting AIS funding.

Thanks for your consideration.

Paul Schumacher, President Clark Lake Advancement Association 5530 Butts Road Sturgeon Bay, WI 54235 State of Wisconsin **DEPARTMENT OF NATURAL RESOURCES** 2984 Shawano Avenue Green Bay WI 54313-6727

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



July 16, 2013

Greg Coulthurst Door County Soil and Water Department 421 Nebraska Street Sturgeon Bay WI 54235

Subject:

2013 AIS Grant Letter of Recommendation

Dear Mr. Coulthurst:

I'm writing to express my support for the Door County Invasive Species Team (DCIST) AIS education grant. DCIST is a major DNR partner in Door County and they do an exceptional job with public outreach by offering educational opportunities and coordinating various invasive species control work parties. The 2013 grant would enable DCIST to continue with their important education efforts and conduct additional work parties that result in hands on opportunities to learn invasive plant identification and control techniques. This grant would also enable DCIST to continue with control efforts focusing on prohibited aquatic plants and animals. In addition to complementing partner work, DCIST fills a significant role in Door County by working on invasive species issues in areas where the DNR, TNC, Door County Land Trust is not working. DCIST is a deserving recipient of this grant and I hope that it is funded.

Regards,

Joe Henry

3 Joe Henry

District Ecologist

Bureau of Natural Heritage Conservation Wisconsin Department of Natural Resources 2984 Shawano Avenue Green Bay, WI 54313

(雪) phone:

(920) 662-5194

(雪) fax:

(920) 662-5413

(📳) e-mail:

joseph.henry@wisconsin.gov



Greg Coulthurst
Door County Soil & Water Conservation Department
Government Center - 3rd Floor
421 Nebraska Street
Sturgeon Bay, WI 54235

July 17, 2013

Dear Mr. Coulthurst,

On behalf of The Ridges Sanctuary, I am providing this letter in support of the Door County Invasive Species Team AIS grant application. The Ridges Sanctuary is willing to dedicate 20 hours of match volunteer time as part of the proposal.

The Ridges Sanctuary has been designated as the most biologically diverse landscape in Wisconsin, protecting over 475 vascular plants and the federally endangered Hine's emerald dragonfly for more than seventy years. We will continue to collaborate with the Door County Invasive Species Team and other organizations to protect the Sanctuary, its watershed, and unique landscapes throughout the Door Peninsula.

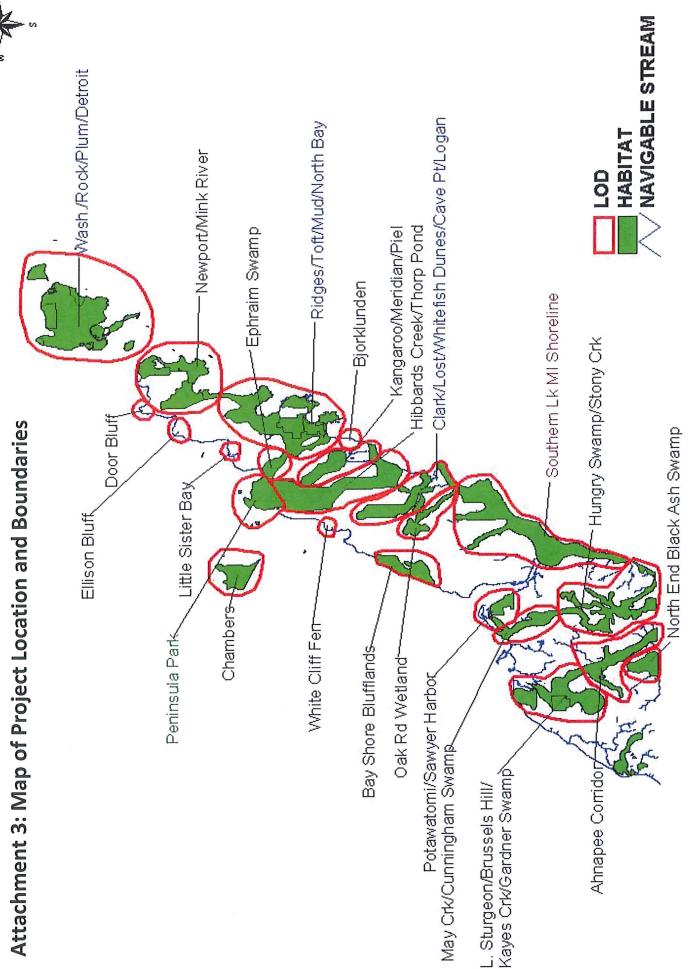
Sincerely,

Steve Leonard

Executive Director

Stew Lemand

Landscapes of Distinction



Attachment 4: Map with Public Access Sites Identified

The following four pages are to outline the public access sites located throughout Door County.

Page 1- Door County_ North

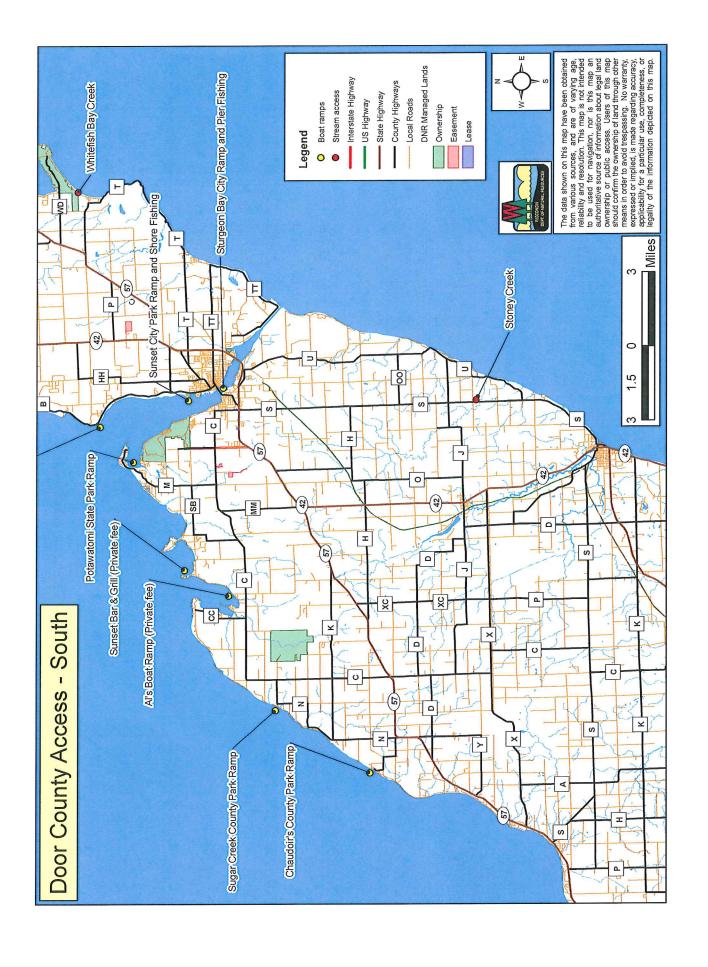
Page 2- Door County_Middle

Page 3- Door County_South

Page 4- Door County Parks









The Door County Parks Department oversees the development and operation of 19 county parks,

covering approximately 948 acres and 12 miles of groomed trails, 7 launching ramps, 3 swimming beaches, 14 restrooms and numerous picnic and playground facilities.

Visit our web site for complete information about our Parks, services and activities including Winter storage, Donation and Memorials, Snowmobile Trails and forms.





ATTACHMENT 5: Itemized Breakdown of Expenses

Requested Funds			
requested railus	1		
Staff	Hours/year	2 Year Total Cost	
Coordinator	832	\$35,726.08	16 hr/wk X 52 wk/yr X 2 years X \$21.47
Conservationist III	417	\$28,272.60	8 hr/wk X 52 wk/yr X 2 years X \$33.90
Conservationist I	105	\$7,581.00	2 hr/wk X 52 wk/yr X 2 year s X \$36.10
LTE	350	\$10,500.00	24 hr/wk X 14 wk/yr X 2 years X \$15.00
Staff Total		\$82,079.68	
Other Costs			
Supplies	\$2,000.00		
Travel	\$3,000.00		
Other Total	\$5,000.00		
Matching Funds			
3			
Staff	Hours/year	Total Cost	
Coordinator	400	\$17,176.00	8 hrs/week X 50 wk/yr X 2 years X \$21.47
County Conservationist	35	\$3,591.00	45 hrs/year X 2 years X \$51.30
Administrative Asst.	90	\$5,702.40	100 hrs/year X 2 years X \$31.68
Volunteer Labor	218	\$5,232.00	230 hrs. logged/year X 2 years X \$12.00
Staff Total		\$31,701.40	
Other Costs			
Cash	\$13,400.00		Cash donations/Third Party Funding.
Equipment use	\$1,800.00		Use of equipment for AIS control.
Other Costs Total	\$15,200.00		
Total Requested Funds	\$87,100.00		
Total Matching Funds	\$46,900.00		
Total Project	\$134,000.00		

Door County Aquatic Invasive Species Education, Prevention & Planning

Introduction & Background

The Door County Soil & Water Conservation Department (SWCD), representing the Door County Invasive Species Team (DCIST) is applying for a Wisconsin Department of Natural Resources (WDNR) Aquatic Invasive Species (AIS) Education, Prevention, Planning grant that will continue to maintain and enhance: coastal habitats, inland shorelines, stream corridors and other sensitive or critical wetland habitats in Door County.

In 2000, a coalition of conservation groups and government agencies recognized the urgent need to protect these irreplaceable habitats from invasive species. This coalition developed into the Door County Invasive Species Team (DCIST). Please see attachment 7 for a current list of DCIST partners. Early on the realization to develop a system to locate infestations of invasive species was apparent and initially consisted "partner" sightings and mail in forms. Unfortunately these reported locations needed to be validated and there was little conformity or organized effort in regards to mapping entire populations or inventorying specific high priority areas. In addition there was very little grant or other monies available to actually treat the invasive populations that were confirmed. As DCIST evolved it was apparent that GPS inventorying and storing on County mapping software was the best method for tracking infestations and control efforts. Today much of this information can also be accessed by the public on the Door County Web Map for Phragmites and Wild Parsnip control efforts. By putting the population inventories and treatment activities DCIST has been able to educate landowners in a way that is quick and efficient. Also landowners can now visually see where existing populations are in relation to their properties. In addition new populations are now being efficiently reported and or mapped. This current inventory and educate model has worked well in Door County and has been shared with other interested organizations and Northeast Wisconsin Counties.

Initial funding for DCIST came from a Wisconsin Coastal Management Program (WCMP) grant in 2002, along with the financial support of 15 other organizations and private citizens. More recently, the invasive species program has been able expand and continue through funding from the WDNR (AIS) Grant Program, the Lakeshore Natural Resources Partnership (LNRP), the U.S. Forest Service and many other local donations and grants from concerned residents and associations. While the SWCD and DCIST has been very successful in obtaining both

educational and control grants to work in concert with the goal of habitat protection, it is apparent that a discontinuance of either type of grant funding will negatively impact current accomplishments and future efforts. In order to control existing populations of invasive species it is critical to educate residents and maintain follow up control efforts to prevent rapid repopulation. The lack of consistent and or dependable funding to combat invasive species is one of the biggest concerns that DCIST and the SWCD has identified for future efforts

DCIST continues to play vital role in assisting and empowering residents and visitors with the knowledge to control invasive species in Door County, and/or in turn their home town. Additional funding will enable the program to continue developing partnerships with landowners, lake and home owner associations, town governments and visitor who are critical to controlling the spread of invasive species. Dividends from previous DCIST efforts are just beginning to show prosperous results as more residents are beginning to understand the recreational and economic impacts of invasive species. A couple of recent examples of this include the Town of Nasewaupee adopting an invasive species ordinance for controlling Phragmites and a cost share program to control invasive plants by the Bay Shore Property Owners Association. Other associations are also in the initial stages to find ways to fund follow up control efforts for Phragmites and in addition many individuals have also become certified to apply herbicides in aquatic environments.

Description of Project Area

Door County's estimated 300 miles of Lake Michigan and Green Bay shoreline, near shore waters, 51,000 acres of wetlands and three notable inland lakes are an invaluable resource to the county and the State of Wisconsin. Conserving Door County's natural ecosystems for it's biodiversity is critical to support the many state and federally threatened and endangered species that live in the county. The county is also confronted with a dilemma for invasive species control efforts due to the county being a destination for nearly 2.2 million visitors per year. In one respect the county is dependent on the revenue generated by the tourists, however they are also likely to be a significant vector to introduce invasive species to Door county or to bring an invasive specie back to their home town. Regardless controlling the spread of AIS via these potential vectors is an educational challenge that will be critical to maintaining the ecological integrity of the county, state and quite frankly throughout the nation and beyond.

According to WDNR Bureau of Endangered Resources Natural Heritage Database, Door County has both the highest number and density of state-listed species per square mile in Wisconsin. Door County harbors 26 State Natural Areas, two state wildlife areas, and five state parks. The Nature Conservancy, The Land Trust, The Ridges Sanctuary, and the U. S. Fish & Wildlife Service also manage several other projects which protect ecological significant sites. Maintaining these

high quality areas by controlling the proliferation of invasive species is a primary goal to the conservation of these exceptional resources.

Description of Problem to be Addressed by Project

DCIST continues to play a vital role in promoting, assisting, and combining invasive species education programs with control projects throughout the Door Peninsula. As mentioned previously, the future of AIS work in Door County remains in jeopardy, due to lack of consistent funding. An additional grant is needed to maintain the progress DCIST and all partnering organizations involved have made in educating the community and visitors on invasive species. Continued funding would enable the Aquatic Invasive Species programming to continue in Door County, which in turn will maintain the efforts to educate landowners, business owners, homeowners, visitors, local associations, towns, villages, non-profit organizations, and more on the importance of preventing and controlling the spread of invasive species. Funding from previous and current DCIST efforts are really becoming evident throughout the county. This can be illustrated in two ways. First the SWCD and DCIST has made significant efforts to educate the County's residents and visitors through monthly meetings, town meetings, local association meetings, land owner mailings and one on one visits for invasive plant inventories of private and public properties. In 2012 all of these past and present educational efforts resulted in donations that exceeded \$33,600. Local landowners contributed \$13,841 and local southern door townships donated \$19,790. Secondly the education has resulted in thousands of landowners cooperating and providing access for control efforts, which have been funded by their donations and other grant sources. In 2012 the WDNR retreated approximately 200 acres of Phragmites in Door County as part of a three year control grant from the Great Lakes Restoration Initiative (GLRI). In order to compliment this effort the SWCD organized and implemented control effort for 36 acres of Phragmites for landowners that were not eligible through the DNR/GLRI efforts. The SWCD and DCIST remains committed to continue these education and control efforts around the peninsula, however continued funding from multiple sources will be required to continue to move forward and aggressively fight the advances that invasive species pose.

Invasive plant species represent one of the highest threats to Door County's exceptional number of rare species, natural communities, wetlands, and near shore waters. With 12 out of 14 townships being bordered by Lake Michigan and the Bay of Green Bay, and the drainage network from our road ditches to our wetlands and stream corridors, the threats and concerns of aquatic invasive species can also be shared by most residents, landowners, visitors and businesses. Most wetland and open water native species continue to be threatened by Phragmites, both Glossy and Common buckthorn, Japanese knotweed, Eurasian Swamp Thistle, and more. Additionally, zebra mussels, quagga mussels, Viral Hemorrhagic Septicemia (VHS),

and round gobies continue to be prevalent along the rocky near shore waters of Lake Michigan and the Bay of Green Bay. Other prohibited aquatic invertebrates species present in Lake Michigan include: the Spiny water flea, Asian clam, Faucet snail, Fish hook water flea, Chinese mystery snail and Water flea.

Door County is at the very least a nationally known tourist destination for aquatic recreational opportunities. Lake Michigan, the Bay of Green Bay, Clark Lake, Europe Lake, and Kangaroo Lake offer many locations and varieties of recreational opportunities including: fishing, boating, swimming, kite surfing, and much more. With new invasive species entering the Great Lakes system at a rapid rate, the prevention of further spread of AIS to Wisconsin's inland lakes and streams is of the utmost priority.. In order to continue to diminish the threats of invasive species continued financial resources will be required to continually educate people in their home, at boat launches and marinas, and at watercraft rental facilities.

Discussions of Project Goals & Objectives

A)Prevention and Control Strategies for Aquatic Invasive Species include:

- Participation in local media efforts to educate as many landowners and visitors to Door County, by utilizing the "Protect WI Waters/It's the Law" campaign, DCIST website updates, Newsletters, Town meetings, Landowner mailings and one on visits.
- Minimum of 200 hours per year dedicated to the Clean Boats Clean Water effort which will include a stepped up effort during the July 4th Landing Blitz campaign.
- Installation of additional or new AIS signs at all boat landings in Door County as the become available. Currently 2010 signs have been installed.
- Maintaining and increasing enforcement partnerships with local law enforcement.
 Current efforts include ice your catch and towel distribution efforts with local wardens and a educational partnership with the Community Service Officers in the City of Sturgeon Bay to stop vehicles that are towing boats and that have visible aquatic vegetation hanging from their boat.
- Efforts to promote and educate volunteers to identify, monitor and inventory AIS.
- Maintaining an inventory and control database to track AIS population and evaluate control methods. Currently this data is available on the Door County Web Map for Phragmites and through other efforts Wild Parsnip. It is a goal of the DCIST to develop a system of inventory, control, and education sharing to empower more people in the identification, reporting and general awareness of AIS.
- Boat washing activities are currently being initiated by the WI DNR at the Sturgeon Bay Sawyer Park boat launch. DCIST supports this activity and informs boaters at other landings that this activity is available.

• Educational efforts with local fishing tournaments, sport shows, fishing guides will also continue to be implemented. In the past DCIST partners have maintained an invasive species booth at a sport show that local fishing guide Gary Nault of Gary's Guide service has held on numerous occasions. DCIST members have also volunteered their time at the Sturgeon Bay Open Bass Tournament to help support their activities to prevent the spread of invasive species.

B)Statewide AIS Source Water spread prevention activity locations and targeted species:

- The project location is all of Door County and the surrounding near shore waters of Green Bay and Lake Michigan which are include in the Statewide AIS Source water list. The majority of the project (75% or greater) will be conducted on Lake Michigan Waters.
- The project will focus on all aquatic invasive species, but efforts during Clean Boats Clean Waters boat inspections will include efforts to educate boaters on the NR 40 prohibited species (Spiny water flea, Quagga mussel, etc) that are present in Lake Michigan.
- Control of Purple Loostrife is one of the success stories here in Door County, and continued efforts will be employed to control this plant to avoid any future outbreaks.
- DCIST will also assist with NR 40 control efforts to include but limited to boat washing activities and assistance with live well sanitizing during fishing tournaments.

C)Ecosystem Protection activities:

- The SWCD will continue to educate and promote control efforts for all of Door County and will focus on physically reducing the abundance and distribution of AIS in high quality habitats in the designated Landscapes of Distinction. *Please see Attachment 3:* Map of Project Location and Boundaries.
- Efforts will continue to be proactive and in coordination with our WDR, Land Trust and Nature Conservancy partners to make control projects efficient and effective to control or if possible eradicate AIS in critical habitats, State and County parks and other public and private properties that are adjacent and or connected to significant natural areas.
- GPS inventories and organized control efforts to systematically control Phragmites has resulted in the treatment of hundreds of acres across and around Door County. This systematic approach and effort has been shared with surrounding Counties in an effort to further push back the advances of this invasive plant. In many ways DCIST and the SWCD believe that this methodology will be repeated as necessary for future aquatic infestations. The critical aspect of this process or plan involves the use GPS inventories during the same year that a control activity is planned. In many circumstances established populations have more than doubled in one years time.

D)AIS pioneer Populations activities:

This project will not address an existing population of a known aquatic invasive species,
 however it has been the goal of DCIST and the SWCD to educate as many people as

possible for not only the existing population on their beach or on their property, but to be vigilant and aware of plants that seem to be out of place or acting in an aggressive manner. By having a network of eyes and ears along the shorelines and stream corridors that are often unseen by the majority of people, it will an able DCIST to act on future pioneer populations in a timely and efficient manner.

• Establishing community awareness and strengthening enforcement activities associated with NR 40 rules will also be a priority.

E)Long Term AIS prevention and Control strategies for Aquatic Invasive Species:

- As previously mentioned, this grant will support the educational activities involved in the County wide effort to prevent, and control invasive species. Other grants and or donations will be used to continue control efforts in a timely and efficient manner.
- Project scope and activities will be shared with the DNR before during and after grant application deadlines.
- Successful program activities will also continue to be shared with other WI Counties to promote and advance their efforts as well.

F)Public Access and Use for the project area (Door County - Regional Scale Project)

- Attachment 4 illustrates all of the public boat access points in Door County and thus the project area for the grant funding.
- Attachment 4 also includes and illustrated the State and County Park system with corresponding available activities.
- At least 35 boat launches are present for public access & there are dozens of public walk
 in access points around Door County. Included in these access points are 28 public
 beaches where swimmers and kayak enthusiasts have parking and walk in access. A
 quick review of aerial photography at these 63 access points indicates at least 1,830
 trailer and vehicle spaces available to the public.

G) Complimentary Management Efforts:

- To date DCIST/SWCD efforts has resulted in one Township adopting an ordinance to control Phragmites on private properties, and on local shoreline association has developed a cost share assistance program to treat invasive plants on private property within the associations geographical area.
- DCIST efforts will continue to promote and support activities such as those mentioned above so that local empowerment can be employed for rapid and efficient response of all invasive species.
- DCIST owned control and monitoring equipment will remain available to the public.
 Currently this equipment is available, via a small deposit, to anyone in the county wishing to borrow and utilize this equipment for invasive control work.
- The SWCD also administers a nonmetallic mining reclamation ordinance and as part of that ordinance control of invasive species during the life of the mine is required.

- The SWCD implements a storm water policy for through local zoning requirements for major land divisions or disturbances. This policy incorporates the requirements for only native plantings.
- The SWCD also administers an Agriculture Performance Standards and Animal Waste Storage ordinance. Again native plantings are required for any and all stabilization plantings.

H) Community Support and Commitment:

- As previously mentioned DCIST and the SWCD has been extremely successful in obtaining matching donation monies to support the educational and control efforts within the county. This effort will continue as long as the support is in the community and provided efforts are justifiable and evident.
- The total project cost of this two year grant proposal is estimated at \$134,000. The requested state share equals \$87,100. The proposed cash match will be at least \$13,400 and a maximum donated match in volunteer and professional hours will being limited to \$33,500.
- Attached is a written commitment for 20 hours of volunteer time and activities from The Ridges Sanctuary, which illustrates additional commitment to the project beyond the scope of project funding.

Description of Methods & Activities

Hire a DCIST Coordinator- A coordinator will be hired to work twenty-four hours per week, or one thousand two hundred forty eights hours per year. This grant is proposed to pay for 16 hrs per week and match funding will be used for the remaining 8 hours per week. The coordinator may be independently contracted or employed by the County of Door. A DCIST steering committee will work closely with the coordinator for direction and support for county-wide projects.

Hire a Limited Term Employee (LTE) - An individual will work approximately three-hundred and fifty hours per year, during the months of May-October. This employee may be independently contracted, hired as an LTE, or be employed by the SWCD. This employee will work a minimum of two hundred hours performing watercraft inspections at boat launches throughout the county. The remaining hours will be spent assisting the DCIST coordinator on various projects regarding aquatic invasive species.

Map the presence of Aquatic Invasive Species on our shorelines, inland lakes, wetlands, and critical habitats throughout the County- Over the past couple of years, the DCIST has worked closely with volunteers throughout the entire peninsula to begin a county-wide mapping effort. Currently, Phragmites is the species being mapped. This project will continue mapping efforts and expand the to other species of concern such as European marsh thistle. Mapping will assist

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in prioritizing future areas of concern, give an estimate of population/density of species, aid in control projects and ultimately allow for longer term monitoring to take place.

Provide control, mapping, and monitoring tools to the public- Through the DCIST's equipment loan program, equipment will be loaned out to the public for, mapping, monitoring, and control of aquatic invasive species.

Physically reduce the abundance and distribution of AIS in high quality habitats, primarily in the designated Landscapes of Distinction, also known as LODs- Control of AIS will take place in high quality habitats using best management practices, via volunteers, work party's, contracted control project, and/or with partnering organizations.

Increase awareness to concerned landowners of native and non-native aquatic species in their own backyards- An effective approach to invasive species education, historically, has been one-on-one contacts with landowners with site visits to their properties. Through the DCIST message line (920-746-5955) and the DCIST email (DCIST1@gmail.com) individuals can contact the DCIST Coordinator with their questions and concerns regarding invasive species. Site visits are scheduled with the landowner and an evaluation of their particular area of concern is conducted. It is important to discuss native species, as well as, the invasive. The connection of what is 'beneficial' on their property helps individuals understand why to be concerned about the invasive species not taking over the native/beneficial species. There will also be a strong focus to provide Landowners with educational materials just prior to seasonal "blooms" or control periods so that individuals can associate specific invasive plants during specific times of the year.

Maintain/Expand awareness among Door County boat launches, marinas, and watercraft rental sites to reduce the spread of AIS- A limited term employee (LTE) will be hired to work a minimum of 200 hours performing watercraft inspections throughout the county May through August. This will also include participating in the WDNR's Landing Blitz- July 4th weekend. During these inspections the LTE will also distribute information on Prohibited species present in Lake Michigan and the threats they pose to water bodies.

Establish an enforcement partnership with local law enforcement to build community awareness regarding NR 40 rules- There will be continued efforts to work with local law enforcement authorities, county-wide to enforce NR 40. Given that Door County is a popular tourist destination for water recreation, it is important that these rules are enforced to protect not only Door County waters, but the waters that boats may be going to after their visit to Door County.

Continue steps necessary to develop county control plans for greatest invasive species of concern- The continued mapping effort with allow DCIST to take the necessary steps to begin the effort of developing county control plans for the species of concern. An important step in developing control plans is to know what species are out there, where they are, and their density. From this data, DCIST can then evaluate the habitats in which they are thriving and the best management practices for controlling such species. Additional efforts will involve educating landowners on how to identify new invasive plants for early and rapid response activities.

Increase collaboration in education with neighboring counties within the northeast region- Door County is a vacation destination for more than two million people from throughout the state of Wisconsin and beyond. DCIST would like to increase its collaboration in educational events with other AIS coordinators, particularly in the Northeast region.

Maintain/Expand AIS education, prevention, and planning with local fishing tournament organizers, guides, and participants- Fishing tournament participation continues to increase and it is important that DCIST maintains and even expands its efforts to educating with local fishing tournaments. Presentations, resources, sport show participation, and watercraft inspections are just a few ways this will occur. Historically, DCIST has had positive relationships with tournament organizers. DCIST anticipates this relationship to continue.

Implement Purple Loosestrife (Lythrum salicaria) bio-controls in the county, where applicable-Several years ago, the SWCD/DCIST conducted a project for addressing the Purple loosestrife in Door County. Galerucella calmariensis beetles were raised and released in Door County. This plant has since been a relatively insignificant problem, however, recently Purple loosestrife has been observed coming back in parts of the county. Specifically, where Phragmites has been controlled, and or wetter areas in our road right of ways. Although the population of plants in any given area has not been abundant, the DCIST wants to be sure that this plant does not begin to flourish again. It is understood that the Galerculla calmariensis beetles are still an effective means to control Purple loosestrife, and there continues to be interest among volunteers to participate in such a control program.

Description of Project Products or Deliverables

A county-wide AIS program has been made possible through grant funding and the hiring of a coordinator. Continuing this effort is critical to allow citizens to maintain and even expand their understanding of the recreational, environmental, and economic impacts of AIS in Door County.

To effectively continue this effort, the main focus of the DCIST Coordinator is needed in the following:

- Increase partnerships throughout Door County and beyond. Expanding AIS and
 volunteer opportunities to additional communities, organizations, counties, and more
 means that the message of AIS is being received by more individuals. This will include
 additional training of volunteers to identify AIS and conduct water body surveillance
 using WNDR accepted monitoring protocols. A minimum of 436 volunteer hours will be
 logged over the two year project.
- 2. Increase the use of DCIST's mapping, monitoring, inspection and control opportunities. The coordinator will continue to increase the capacity to monitor, prevent, plan, and control aquatic invasive species that threaten our most unique natural areas throughout the peninsula. This may include additional research in best management practices for species in which there is limited information.
- 3. Expand and coordinate education with WDNR focusing on NR 40. This may include contacts with nurseries, farmer markets, retail, local law enforcement, and more.

Description of Data to be Collected

Mapping Data- will be collected throughout the county and entered into the County GIS data base and SWIMS as necessary. This data will be used to prioritize education, planning, prevention and control activities.

Watercraft Inspection Data- will be entered into the States' online Watercraft Inspection Database.

Research Data- As necessary, data regarding research of certain species will be collected. If it is determined that a certain species does not have much information regarding best management practices, DCIST may conduct projects to look at different methods of control, etc.

Description of Existing and Proposed Partnerships

DCIST continues to have an extensive number of general partnerships, please see Attachment 7: DCIST Partnerships. The primary partnerships, those that make up the DCIST Steering Committee include the Door County Soil & Water Conservation Department (SWCD), The Door County Land Trust (DCLT), Wisconsin Department of Natural Resources (WDNR), The Nature Conservancy, and the United States Fish & Wildlife Service (USFWS). There are other numerous landowners, community organizations, municipalities, State Parks, Lake Associations, landowner associations, friends groups, private businesses/contractors, and more that all benefit from the efforts of the DCIST. It is through these current partnerships and the continuation to expand that helps an aquatic invasive species program to succeed.

<u>Discussion of role of project in Planning and/or Management</u> of Lake

Door County is part of the Northern Lake Michigan Coastal Ecological Landscape Conservation Opportunity Area. A consistent Priority Conservation Action is the early detection and management of invasive exotic species. This project allows for this management to occur through the education, prevention, planning and control of aquatic invasive species.

Timetable for implementation of Key Activities

A timetable for implementation of key activities is outlined on *Attachment 8: Timetable for Implementation of Key Activities*.

Plan for Sharing Project Results

- → DCIST will continue to distribute email newsletters on aquatic invasive efforts and needs in the County.
- DCIST will also continue to manage the DCIST website to be a constant resource for the public. It is here that volunteer opportunities, alerts, and AIS information will be posted.
- → Advertisement will continue through local media and organizations for regarding the availability of DCIST's Equipment Loan Program.
- For certain project areas, actual letters will continue to be drafted and sent to private landowners. These letters will provide information on the specific project, how they can help, and where they can find more information.
- Resources will continue to distribute throughout the county at all public libraries, municipality offices, and various meetings.
- Reports will be drafted, as required, outlining status of all project deliverables.

Other Information in support of project not described above.

Without grant funding, AIS effort will not be able to be maintained. This grant will allow the DCIST partnerships to continue its efforts in educating and assisting the community on aquatic invasive species throughout the Door Peninsula for the next two years.

Itemized Breakdown of Expenses

DCIST continues to understand that in the current budget conditions, and proposes to obtain a large portion of the matching costs in cash donations. In recent years there has been a large amount of donations made by Town governments and by local landowners in support of invasive species control efforts For details, please see Attachment 5: Itemized Breakdown of Expenses.

A signed and dated resolution

Please see Attachment 1: Authorized Resolution

Lake Map with Public Access Sites Identified

Please see Attachment 4, pages 1-3, which outlines the public access.

Attachment 4, page 4 also shows a map of County Parks and Facilities throughout the Peninsula.

Attachment 7: DCIST Partnerships

Bay Shore Property Owners Association, Randy Kenny, 920-743-5452, jrkenny8887@hotmail.com

Chambers Island Property Owners Association, Deb Feirer, 920-864-2912, FEIRER@wrightstown.k12.wi.us

City of Sturgeon Bay, Bob Bordeau, 920-746-2914

Clark Lake Advancement Assoc., Paul Schumacher, 920-823-2109, spaulsdoor@aol.com

Crossroads at Big Creek, Coggin Heeringa, 920-746-5895

Detroit Island Landowner Association, Rachel Reklau, 630-871-6435, rreklau@dupageforest.com

Door County Chapter of Wild Ones, Peter Sigman

Door County Environmental Council, Jerry Viste 920 743-6003

Door County Green Fund, Mariah Goode, 920 495-6639

Door County Highway Department, John Kolodziej, 920-743-4291, kolodzie@co.door.wi.us

Door County Land Trust, Dan Burke, 920-839-9990, dburke@dcwis.com

Door County Master Gardeners, Chris Daubner, ddaubner@itol.com

Door County Park System, Erik Aleson, 920-746-9959, ealeson@co.door.wi.us

Door County Property Owners Association, Russ May, 920-746-8964

Door County Soil and Water Conservation Department, Bill Schuster, 920-746-2214, WSchuster@co.door.wi.us

Evergreen Nursery Corp. Inc., Ron Amos, 920 743-4464

Friends of Newport State Park, Bill Scheckler, 920-854-5326,

Friends of Potawatomi State Park, Bill Scholten, 920-743-6866,

Friends of Whitefish Dunes State Park, Dick Weidman 920-743-7923, rweidman@facstaff.wisc.edu

Glidden Drive Property Owners Association, Bill Hensge, hensge@sbcglobal.net

Kangaroo Lake Association, Tom Schneider, (President) P.O. Box 165, Baileys Harbor, WI 54202

Lake Forest Park Association, Jim McAninch,

Lake Shore Natural Resource Partnership, Jim Kettler (Executive Director), 920-726-2199

Little Sturgeon Bay Property Owners Association, Peter Sigmann, 920 824-5193

Meisner Landscaping, Greg Meisner & Chris Larsen, chris@meisnerlandscape.com 920 743-1011

Newport State Park, Michelle Hefty, 920-854-2500, michelle.hefty@dnr.state.wi.us

Peninsula Agricultural Research Station, Matt Stasiak, 920-743-5406.

Potawatomi State Park, 746-2890

Rock Island State Park, , 920-847-2235,

South Lake Michigan Drive Assoc., Ray Leonardson/Bill Utley (CO-Chairs), 2050 S. Lake Michigan Dr., Sturgeon Bay

The Clearing, Mike Schnider, 920-854-4008

The Nature Conservancy, Mike Grimm, 920-743-8695, mgrimm@tnc.org

The Ridges Sanctuary, Steve Leonard, Executive Director 920-839-2802

US Fish & Wildlife Service, Louise Clemency, Field Supervisor 920-866-1717

USDA – NRCS, State Office, 608 622-4422

UW-Extension Agricultural Agent, Dean Volenberg, 920-746-2260

UW-Extension Basin Educator, Deb Beyer, 920-683-2720, deb.beyer@ces.uwex.edu

UW-Green Bay Center for Biodiversity – Bob Howe 920 465-2272

WDNR Bureau of Natural Heritage Conservation, Joe Henry, Regional Ecologist, 920-662-5194

Whitefish Dunes State Park, Carolyn Rock, 920-823-2400, carolyn.rock@wisconsin.gov

Attachment 8: Timetable for Implementation of Key Activities

Coordinator is hired Presentations and Educational Workshops			אומו דו אומא וד	Jul-14	Jul-14 Sep-14 Nov-14	Nov-14	Jan-15	Mar-15	May-15	Jul-15	Sep-15	Nov-15	Dec-15
		EDUC	EDUCATION	N S P	PLANNING	ING							
	×						×						
		×	X	×	×	×	×	×	×	×	×	×	
Steering Committee Meetings	×		×		×		×		×		×		×
Landowner site visits (ongoing, but increases during field season)		×	×	×	×	×		×	×	×	×	×	
DCIST email newsletter	×		×		×		×		×		×		
Increase Educational Collaboration within NER.	×	×	×	×	×	×	×	×	×	×	×	×	×
 Maintain/Expand AIS Education with local fishing tournaments. 		×	×	×	×			×	×	×	×		
Meet with and establish an enforcement partnership with local law enforcement.		×	×	×	×			×	×	×	×		
• Continue planning for county control plans.	×	×	×			×	×	×	×				
	CONSTR	TRUC	UCTION		& IMPLEMENTATION	NTAT	NOI.						
Map presence of AIS	×	×	X	×	×	×	X	×	×	×	×	×	×
Provide tools for the public.	×	×	×	×	×	×	×	×	×	×	×	×	×
 Physically reduce abundance of AIS. 		×	×	×	×	×		×	×	×	×	×	
 Periodic meetings/updates of construction process between contractor(s), municipalities, 				×	×	×	×	×	×	×	×	×	×
 Implement Purple loosestrife bio-control projects. 		×	X	×	×	×		×	×	×	×	×	
M.	WATERC		RAFT INSPE	SPEC	CTION	PROGRAM	RAM						
 LTE is hired to perform 200+ hours of watercraft inspections. 			×						×				
 Watercraft inspection data is entered into statewide database. 			×	X	X				×	×	×		
 LTE assists Coordinator with Educational activities. 			×	X	×				×	×	×		