

**Notice:** Use of this form is required by the Department of Natural Resources for any application filed pursuant to chs. NR 190,191,195 & 198, Wis. Adm. Code. Personal Information collected on this form, will be used for administrative purpose and may be provided to requesters to the extent required by Wisconsin's Open Records Laws [ss.19.31 – 19.39 Wis. Stats.] **To be considered, applications must either be submitted electronically by the December 10th or February 1st due date or paper applications must be postmarked no later than by the December 10th or February 1st due date.**

**Section 1: Application Type (check one)**

**Application Deadlines:**

DECEMBER 10

**Lake Management Planning Grant:**

- Large Scale Planning     Small Scale Planning

**Lake Protection Grant:**

- Lake Classification & Ordinance Development

**Aquatic Invasive Species Grant:**

- Education, Prevention & Planning  
 Clean Boats Clean Water Use [Form 8700-337](#)

**River Protection Grant:**

- River Planning

YEAR-ROUND:

**Aquatic Invasive Species Grants:**

- Early Detection & Response     Maintenance & Containment Use [Form 8700-323](#)

FEBRUARY 1

**Lake Protection Grant:**

- Land/Easement Acquisition  
 Wetland & Shoreline Habitat Restoration  
 Lake Management Plan Implementation  
 Healthy Lakes Project

**Aquatic Invasive Species Grant:**

- Established Population Control

**Rivers Protection Grant:**

- River Management  
 Land/Easement Acquisition

**Section 2: Applicant Information**

Project Title

Aquatic Invasive Species EPP - Waukesha County 2016

Applicant Name (Organization)		Organization Type	
Waukesha County		County	
Authorized Representative (AR) Name		AR Title	
Perry Lindquist		Land Resources Manager	
AR Address		City	State    ZIP Code
515 W. Moreland Blvd.		Waukesha	WI    53188
AR Phone Number (include area code)	AR Ext.	E-mail Address	
(262) 548-7867		plindquist@waukeshacounty.gov	
Contact Representative Name, if different from AR		Contact Title	
Brad Steckart		AIS Coordinator (Washington County)	
Phone Number (include area code)	Ext.	Contact E-mail Address	
(715) 551-4185		bradley.steckart@co.washington.wi.us	

Indicate if you have been approved as one of the following:

Qualified lake association, [Form 8700-226](#), nonprofit conservation organization or qualified nonprofit organization, [Form 8700-290](#), or river management organization, [Form 8700-287](#)?  Yes  No (If no, you must be approved prior to applying for a grant.)

**Section 3: Project Information**

Waterbody Name	Proposed Start Date	Proposed End Date
	February 15 2016 (Start Date)    (Year)	June 30 2017 (End Date)    (Year)
All water bodies in Waukesha County		
Project Area (Select all that apply):	County(ies)	
<input checked="" type="radio"/> County-wide <input type="radio"/> Multi-county <input type="radio"/> Town-wide <input type="radio"/> Regional <input type="radio"/> Lake <input type="radio"/> River <input type="radio"/> Other (specify): _____	Waukesha	

**Surface Water Grant Application  
Lake Management Planning,  
Lake Protection & Classification,  
River Protection, River Planning,  
Aquatic Invasive Species (AIS) Control**

Form 8700-284 (9/15)

Page 2 of 9

**Public Access:** Is there public access to the waterbody of which the project is proposed?

Yes  No

If yes, attach a map showing all public access points.

Does this project include Laboratory sample analysis?

Yes  No

Indicate lab service provider:

State Lab of Hygiene, use [Form 8700-360](#)

Other Certified Lab:

**Consultation**

Has the applicant had a pre-application grant scoping consultation with the Department?  Yes  No

Date of Contact

12/02/2015

Name of DNR Contact

Heidi Bunk

**Project Location**

State Assembly District number(s):

13, 14, 15, 22, 24, 33, 38, 83, 84, 97, 99

State Senate District number(s):

33

Sponsor Type (city, village, town, etc. - ex. Holland, Town of)	Legal Description							
	Township (N)	Range	E or W	Section	Quarter	Quarter- Quarter	Latitude (North, 4 to 7 decimal places)	Longitude (West, 4 to 7 decimal places)
Oconomowoc	08 N	17	E					
Merton	08 N	18	E					
Lisbon	08 N	19	E					
Summit	07 N	17	E					
Delafield	07 N	18	E					
Pewaukee	07 N	19	E					
Ottawa	06 N	17	E					
Genesee	06 N	18	E					
Muskego	05 N	20	E					
Mukwonago	05 N	19	E					

**Section 4: Federal Nonpoint Source Program Funding Eligibility - For Lake Protection or River Protection Grants Only**

Not applicable.

**Section 5: Cost Estimate and Grant Request**

List organization (e.g., school, town, county, nonprofit other management organization, etc.) other than the applicant that are providing financial support in the project. Identify the type of financial support (cash, volunteer hours, equipment, etc) and attach a copy of the organizations letter of financial commitment.

Organization Name	Type of Support	Amount of Support
Washington County	Shared AIS Coordinator, tech. support	

Are there federal dollars in this project?  Yes  No

Source of Federal Funds

**Surface Water Grant Application  
 Lake Management Planning,  
 Lake Protection & Classification,  
 River Protection, River Planning,  
 Aquatic Invasive Species (AIS) Control**

Form 8700-284 (9/15)

Page 3 of 9

**Project Budget**

Costs for Each Category	Project Costs					Subtotal
	Activity	Time (hr.)	Cash Cost	Time (hr.)	Donated Value	
Wages & Emp. Benefits	AIS Coordinator - Strategic planning, AIS inventories, CBCW, building lake partnerships, supervise Summer Intern(s)	1,160	22,000.00			\$22,000.00
Wages & Emp. Benefits	Summer Intern - (same activities as above)	480	6,000.00			\$6,000.00
Wages & Emp. Benefits	County Land Cons. & Parks staff - installing AIS kiosks/signs, AIS planning, web page, grant administration, staff training & supervision, lake partnerships			210	7,275.00	\$7,275.00
Supplies	AIS signs/kiosks, boat cleaning equipment, field work supplies		3,000.00		900.00	\$3,900.00
Donated Equipment Use	Office space (2 employees), computer use (2), GPS use, phone, office supplies				6,600.00	\$6,600.00
Consulting Services	SEWRPC - compile existing AIS data for 48 lakes, collect AIS data on 5-10 lakes with no current data/strategic plan		15,000.00		1,000.00	\$16,000.00
Travel & Training, Volunteer Service	AIS Coordinator & Intern		4,000.00		1,000.00	\$5,000.00
<b>Subtotals</b>			50,000.00		16,775.00	\$66,775.00
<input type="checkbox"/> <b>Override Default State Share Percentage:</b>	<b>Alternative State Share %</b>				<b>Total Project Cost Estimate (Cash + Donated Value)</b>	\$66,775.00
					<b>State Share Requested</b>	\$50,000.00

Education, Prevention & Planning Projects maximum grant - up to \$150,000 - up to 75% state share, cannot exceed cash cost.

**Surface Water Grant Application  
Lake Management Planning,  
Lake Protection & Classification,  
River Protection, River Planning,  
Aquatic Invasive Species (AIS) Control**

Form 8700-284 (9/15)

Page 4 of 9

**Section 6: Attachments (check all that are included)**

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

- 1. Authorizing resolution
- 2. Letters of commitment if the project is receiving donation or cash contribution
- 3. Map of project location, boundaries, and public access
- 4. For projects sending samples to the State Lab of Hygiene (SLOH) only; a completed SLOH projected cost form

**B. For first time applicants that are Lake Management Organizations (LMOs), River Management Organizations (RMOs)**

- 1. Completed [Form 8700-226](#) (LMOs) or [8700-287](#) (RMOs)

**C. For First time non-profit organizations or non-profit conservation organization**

- 1. Copy of IRS 501(c)(3) determination letter and copies of your Articles of Incorporation and Bylaws
- 2. A completed [Form 8700-290](#)  
For projects that entail sending samples to the State Lab of Hygiene (SLOH) only; a completed SLOH projected cost form

**D. For Land Acquisition**

- 1. Completed [Form 1800-001](#), Environmental Hazard Assessment
- 2. Appraised
- 3. Title insurance

**E. Design specifications, if applicable, for River Management or Lake Management Plan Implementation**

**Section 7: Certification**

By submitting this application, I am requesting a variance from the DNR to ss. NR 190.05(4), NR 190.15(6), NR 191.05(1), NR 195.07(4), NR 198.23(1), NR 198.44(1), Wis. Adm. Code, as appropriate, to establish an application deadline of December 10 and February 1. The requested variance is in my interest and is essential to effect the necessary DNR grant actions and program objective of a uniform application deadline.

Perry M. Lindquist  
Signature of Authorized Representative

12/10/2015  
Date Signed

DNR USE ONLY			
Application Type	Research/Demo Project <input type="radio"/> Yes <input type="radio"/> No	Waterbody ID	Project Priority Rank
County			
Is the applicant a Green Tier Community Charter member? <input type="radio"/> Yes <input type="radio"/> No		Is the project within a Green Tier Community? <input type="radio"/> Yes <input type="radio"/> No	
AIS/Lake/River Coordinator Approval/Date		Environmental Grants Specialist Approval/Date	

## **Section 8: Project Description**

### **A. Project Area and Public Access/Use**

This AIS project covers all the water resources contained in Waukesha County, a highly urbanizing 580 square mile area bordering the west side of Milwaukee, and a 45 minute drive east of Madison. The county has an estimated 2016 population of 393,927, making it the third most populous county in Wisconsin. With over 14,000 acres of open waters, 80 named lakes, and over 50 public launches and access points, the County also contains some of the most heavily used water bodies in the state. There are 48 lakes over 30 acres in size, the most in southeast Wisconsin, and over 300 lineal miles of perennial named streams.

One lake (Spring Lake) is designated by the DNR as an "Outstanding Water Resource", while three local streams (Genesee Creek, Mukwonago River and a portion of the Oconomowoc River) have been designated as "Exceptional Water Resources". The northwest quadrant of the county is known locally as "lake country", where a concentration of the largest lakes occurs and land use patterns have their roots along the lakeshores.

Waukesha County maintains an extensive natural resource based parks system covering over 8,000 acres, including 8 major parks (>250 acres each), 6 public beaches, 5 boat launches, a 487-acre nature center/planetarium, 3 golf courses, 2 ice arenas, over 3,300 acres of greenway lands along local streams, 40 miles of paved bike and pedestrian trails, and 4 major land holdings to be developed for future County parks. The lakes with access from County-owned boat launches include Upper and Lower Namahbin Lakes (Summit), Pewaukee Lake (Pewaukee/Delafield), Nagawicka Lake (Delafield), Ashippun Lake (Oconomowoc) and School Section Lake (Ottawa), and would all be included in the proposed AIS program described below.

### **B. Problem Statement**

Almost 2 million people live within a 90 minute drive of over 50 boat launches and other public access points on lakes and rivers in Waukesha County. We know AIS is already a huge problem in Waukesha County, with many of the largest lakes severely impacted by species such as Eurasian Water-milfoil, Zebra Mussels, Curly-leaf Pondweed, and Rusty Crayfish. Several local lakes have completed AIS inventories in the past, while others have inventories planned for 2016 (i.e. Pewaukee Lake and Nagawicka Lake). Some lakes have been aggressive and successful in their AIS monitoring and control efforts, while others have lacked the necessary resources to do so, or experienced other challenges.

Recently, Starry Stonewort was discovered in Little Muskego and Big Muskego Lakes in the southeast corner of Waukesha County. This species is now a threat to all other waters in the county, and is what led to this grant application. In September 2015, a Waukesha County Board Supervisor who serves on several local lake districts, along with other Lake District board members and regional DNR biologists met with the Waukesha County Department of Parks and Land Use to discuss AIS issues. We discussed the data limitations regarding the local AIS problems and the need for a more comprehensive strategy to address the spread of exotics to and from the many water resources in the county.

It was agreed that a county-wide AIS/Clean Boats Clean Waters program was needed to: 1) better document and monitor local AIS issues; 2) educate the general public and policy makers about the local AIS problem, its environmental and economic impacts, and methods of control; and 3) develop a long-term strategic plan to prevent the spread of aquatic invasive species to and from local lakes and streams. Further discussions with Washington County and DNR led to the two-county partnership presented in this application.

### **C. Project Description and Timeline Matrix**

#### **1. Goal/Job Objective:**

Compile existing AIS data to write the first part of a county-wide AIS strategic plan. (Note: The County plans to apply for another 3-year AIS grant jointly with Washington in the fall of 2016. The focus for the 2016 grant will be on compiling and collecting AIS data while writing some of the background/support materials for the strategic plan. The 2017 grant application will focus on completion of the strategic plan.)

##### **1.a. Activity**

Compile existing AIS data throughout 2016. Identify data gaps by the end of the second quarter of 2016 so they can be addressed through Goal #2.

**Method and Data Collected**

Review existing lake management plans, DNR regulatory records for lake weed management and treatment, and any previously completed AIS inventories/surveys. This will be done through Internet searches, and discussions with lake organizations, DNR staff and lake consultants to find published or unpublished AIS records, reports, or administrative files. Identify all AIS species found and their location.

**Deliverable/Outcomes**

Preliminary lake maps for as many of the 48 lakes in the county >30 acres that have known AIS data, showing the location and specific AIS species. Also, preliminary summary tables showing the lakes that have or have not completed AIS inventories/surveys, and for lakes that have, a list of AIS species found in each.

**1.b. Activity**

Write background sections of the AIS Strategic Plan.

**Method and Data Collected**

Use the Washington County AIS Strategic Plan as a guiding document, including: background on the AIS issues and programs, county-wide inventories of water resources, the AIS species found and their distributions (lake maps), a plan to prevent the further spread of AIS (management methods, public outreach & education goals/objections/actions), plan implementation recommendations, future monitoring and program evaluation ([www.co.washington.wi.us/uploads/docs/lcd-aiscoverandintropagesforweb2.pdf](http://www.co.washington.wi.us/uploads/docs/lcd-aiscoverandintropagesforweb2.pdf)).

**Deliverable/Outcomes**

Drafts of introductory sections of the AIS Strategic Plan, including program background, county water resources, watersheds, demographics, and AIS species commonly found in the area.

**2. Goal/Job Objective:**

Fill data gaps identified in Goal #1 so a more complete county-wide picture of the AIS problem can be presented when the rest of the AIS Strategic Plan is prepared in 2017.

**2.a. Activity**

During the summer of 2016, complete AIS meander surveys on 5-10 lakes where no AIS data or limited data is available and where adequate public access is provided (lakes TBD). If additional funding is provided by lake organizations, this activity may be expanded (see section G. below).

**Method and Data Collected**

The AIS Coordinator and County staff, working with SEWRPC and local lake groups will follow established DNR protocol for AIS meander surveys, using boats, rakes, GPS collectors and other related field equipment.

**Deliverable/Outcomes**

Lake maps showing the location of each AIS species found.

**3. Goal/Job Objective:**

Conduct "Clean Boats Clean Waters" educational activities to prevent the spread of AIS at local boat launches.

**3.a. Activity**

Install AIS signs/kiosks/boat cleaning equipment at 6 public boat launches, with a focus on the five County-owned launches named in Section A above. If additional funding is provided by local lake organizations, this activity may be expanded (see section G. below).

**Method and Data Collected**

Use 4' x 8' AIS sign/kiosk designs similar to those used in Washington County, with explanations of AIS and actual boat cleaning equipment hanging on the signs. Final construction designs will match Waukesha County Park standards and may include a kiosk and composting bin for removed plants.

**Deliverable/Outcomes**

At least 6 installed AIS boat launch signs/kiosks.

**3.b. Activity**

Provide AIS educational services and boat inspections during peak launch use times during June, July and early August for at least 6 boat launches, including the 5 County-owned boat launches named in Section A above.

**Method and Data Collected**

Complete CBCW inspector training, follow UWEX/DNR protocol, use standard state forms to contact launch users, and enter all collected data into the on-line statewide database (SWIMS).

**Deliverable/Outcomes**

A minimum of 200 hours of staff time at boat launches during 2016, and the population of SWIMS with all reportable items, such as the number of boat inspections conducted, people contacted, and the hours spent on boat launches by lake name/launch. (Note: This is the first year of the County AIS program, and limited staff must also be used for AIS surveys, sign installation, building partnerships with lake groups, etc. If lake group contributions allow the hiring of a second AIS Summer Intern in Waukesha County, more hours would likely be available for this activity. See Section G. for details.)

**3.c. Activity**

Prepare an action plan over the winter of 2016 to assemble a Response Team in case any new AIS populations are discovered in 2016.

**Method and Data Collected**

Coordinate information sharing for all AIS surveys being conducted in the county during 2016. If a new AIS species is discovered, the AIS Coordinator will assemble a Response Team to focus AIS monitoring, education and enforcement efforts appropriately.

**Deliverable/Outcomes**

Action plan to assemble a Response Team, and possibly the implementation of a Response Team.

**4. Goal/Job Objective:**

Build partnerships with local lake organizations to make the County AIS program more effective. This includes sharing AIS information, coordinating educational efforts, obtaining financial support to expand program activities, and targeting limited resources to where they are needed most. The County will first focus on the 20 Lake Districts in the county, but will also work with other organizations upon request. The level of financial commitments from Lake Districts will determine if Waukesha County will hire one or two Summer Interns to assist with the AIS program implementation during 2016 (see section G. below for details).

**4.a. Activity**

Contact Lake Districts and schedule meetings/presentations to discuss the proposed County AIS program and how each Lake District can assist in program implementation, including financial assistance, in-kind services, data sharing, use of District boats and other equipment, and volunteers.

**Method and Data Collected**

The existing AIS Coordinator (Washington County) will hit the ground running by beginning Lake District contacts in December 2015, attending winter meetings, and lining up support.

**Deliverable/Outcomes**

Good working relationships with local Lake Districts, freely shared AIS data and information, coordinated AIS program efforts among the numerous lakes, and a minimum of \$10,000 in financial support for hiring an additional AIS Summer Intern for 2016.

**D. Role of Project in Planning/Management of Water Body**

Numerous DNR approved local lake management plans address the AIS problem, including describing monitoring and prevention efforts such as those presented in this grant application. Several local AIS lake projects are in the works or have already been completed. The Waukesha County Land and Water Resource Management Plan: 2012 Update (pages 71 and 73) recognizes AIS as a primary topic for county conservation education efforts targeted to the general public and school groups.

A TMDL plan has been approved for the Rock River Basin (34% of county) and an Adaptive Management Plan has been approved for the Oconomowoc River Watershed (11% of county), which is part of the Rock River Basin. Both of these plans include the "lake country" area of the county (Bark River and Oconomowoc River Watersheds) and are currently in the implementation phase. A 9-key element watershed protection plan is also near completion for the

**Surface Water Grant Application  
Lake Management Planning,  
Lake Protection & Classification,  
River Protection, River Planning,  
Aquatic Invasive Species (AIS) Control**

Form 8700-284 (9/15)

Page 8 of 9

Mason Creek Watershed, which is part of the Oconomowoc River chain that drains directly to North Lake. Controlling AIS in the lake country area would have a positive impact on improving water quality in the two river systems that connect most of these lakes.

Watershed protection plans have also been adopted for Pebble Creek (3% of county), Pewaukee River (7% of county) and the Mukwonago River (8% of county), which are both part of the Fox River Watershed. All of these plans identify AIS as a significant threat to the biological integrity of these water resources, especially the Mukwonago River, which as noted earlier, has been classified by the DNR as an "Exceptional Water Resource".

Everything in this proposed project will compliment the above noted planning efforts by freely sharing AIS information, coordinating AIS prevention and control efforts, and targeting future efforts through a county-wide AIS Strategic Plan. Updates to many of these plans and their implementation will likely result from the efforts in this project.

**E. Existing and Proposed Partnership**

The County will rely on several partnerships for this project. The most prominent one is Washington County, with whom we will share (50% time) of an experienced AIS Coordinator - and tap into the successes enjoyed by their program. This partnership allows the Coordinator to immediately engage local Lake Districts during winter meetings for program planning and financial assistance. The sharing of this position frees up grant funds for hiring an additional full time AIS Intern during the peak summer months to assist with CBCW, lake surveys and other AIS related activities.

Another strong project partner is SEWRPC, which employs some of the most experienced planning and AIS professionals in the region. Their extensive expertise in compiling existing lake data, completing meander surveys where needed, and writing the AIS strategic plan will be critical for the success of the project in the long term.

It is anticipated that local Lake Districts will become strong partners in the County AIS program both in-kind (time, boat use, data, etc.) and financially. If adequate financial support is committed this winter (min. \$10,000), Waukesha County will hire a 2nd full time AIS Summer Intern, allowing for additional CBCW, launch signage and other AIS work to be completed.

Of course, another partner has been and will continue to be DNR, who's staff has been instrumental in preparing this grant application and will continue to be relied upon for financial and technical support.

**F. Plan for Sharing Results**

The County will create email list for lake groups and other interested parties so that AIS program updates can be distributed on a regular basis in an E-news format with web links for further information, similar to how we currently handle stormwater and recycling program updates with our 33 community partners. All assembled AIS data will be compiled and summarized in easy to understand tables and lake maps, entered into SWIMS, and personally presented to lake and community groups upon request.

An AIS section will also be set up on the County's web page to post all newsletters, survey data, lake maps, and other program information. Press releases and targeted press contacts/stories will be used to announce special AIS events, survey findings, or seasonal educational messages.

During 2016, the County will gage interest among the lakes groups about resurrecting the Waukesha County Lakes Association to share AIS information and provide future workshops for lake residents. (Note: This association previously existed, but was eliminated in the early 2000's due to lack of participation.)

**G. Other**

The County's 25% financial contribution (i.e. cost-share) is represented in the budget numbers in Section 5 under the heading "Donated Value" to aid in the development of the budget. Donated value may be added to the budget later if local lake groups financially contribute to the project. A second version of the project budget was prepared internally to show how grant funds will be used to hire a second AIS Summer Intern if enough financial support is committed from local lake groups (\$10,000 or greater for salaries/travel/training/supplies). All budgets are based on a project period of February 15, 2016 to February 15, 2017.

The AIS Coordinator in Washington County is currently funded at 75% FTE. This grant would allow Washington County to increase that position to 100% FTE through an intergovernmental agreement with Waukesha County. The Coordinator position will remain a Washington County employee, but will provide 50% of his time for technical and

**Surface Water Grant Application  
Lake Management Planning,  
Lake Protection & Classification,  
River Protection, River Planning,  
Aquatic Invasive Species (AIS) Control**

Form 8700-284 (9/15)

Page 9 of 9

educational assistance to Waukesha County on a reimbursement basis. The reimbursement rate will allow Washington County to hire an AIS Summer Intern to assist with CBCW and other AIS programs in that county. All Interns will be employees of their respective county, but receive program support and work direction from the AIS Coordinator. Vehicles, supplies and daily supervision of Interns will be provided by their respective county.

Washington and Waukesha County Land Conservation staff have a long history of working together and partnering on various conservation projects. This project would build on that relationship while providing a cost-effective approach to addressing the AIS issues in both counties.