

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

Form 8700-284 (R 10/01/19)

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**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 Waters 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

Pike Lake - Curly Leaf Pondweed (CLP) Project

Applicant Name (Organization)		Organization Type	
Rice Lake Association, Inc.		Lake Association	
Authorized Representative (AR) Name		AR Title	
Robert Kary		President	
AR Address (business/organization address)		City	State    ZIP Code
2843 W Great Northern Trails Rd		Mercer	WI    54547
AR Phone Number (include area code)	AR Ext.	E-mail Address	
(217) 369-3855		treboryrak@gmail.com	
Contact Representative Name, if different from AR		Contact Title	
Amanda Kraus		Mercer Lake Resident	
Phone Number (include area code)	Ext.	Contact E-mail Address	
(608) 347-4036		amanda.kraus@ey.com	

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: Pike Lake	Proposed Start Date	Proposed End Date	
Waterbody ID (WBIC): 2299900	May 3, 2020	2020	December 31, 2022
	(Start Date)	(Year)	(End Date) (Year)
Project Area (Select all that apply):	County(ies)		
<input type="radio"/> County-wide <input type="radio"/> Multi-county <input type="radio"/> Regional <input type="radio"/> Lake <input type="radio"/> River	Iron		
<input checked="" type="radio"/> Other (specify): Pike Lake and Turtle River (between Rice Lake and P.			

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**Public Access:** Is there public access to the waterbody of which the project is proposed? Attach a map showing all public access points.

Yes  No

Lake Acreage (if applicable): 214.00

No. of public access sites including boat launches and walk-ins: 1

No. of public vehicle-trailer parking spaces available at public access sites: 0

Does this project include Laboratory sample analysis?  Yes  No

If yes, then complete [Form 8700-360](#) and indicate the lab service provider:

State Lab of Hygiene

Other Program-Approved Lab:

**Consultation**

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

Date of Contact

02/28/2020

Name of DNR Contact

Carol Warden

**Project Location**

[State Assembly District](#) number(s):

74

[State Senate District](#) number(s):

25

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)	
Town of Mercer	43 N	3	E	36	NE	NW	46.1747	-90.1196	
	N								

**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

Are there federal dollars in this project?

Yes  No

Source of Federal Funds

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**Project Budget**

Costs for Each Category	Project Costs					Subtotal
	Activity	Time (hr.)	Cash Cost	Time (hr.)	Donated Value	
Donated Services	Volunteer Labor - hand pulling CLP in Lake and River (3 years)	0	0.00	750	9,000.00	\$9,000.00
Donated Services	Volunteer Labor - Grant application, management and coordination	0	0.00	80	960.00	\$960.00
Supplies	Rakes, nets, wetsuits, etc. (Personal boats to be used)	0	1,500.00	40	480.00	\$1,980.00
Consulting Services	Point Intercept Survey for Lake and River 2020	0	2,800.00	0	0.00	\$2,800.00
Consulting Services	AIS Meander Survey for Lake and River 2020	0	2,500.00	0	0.00	\$2,500.00
Consulting Services	Coarse Woody Habitat Survey for Lake 2020	0	2,000.00	0	0.00	\$2,000.00
Consulting Services	Report Writing (3 years)	0	4,500.00	0	0.00	\$4,500.00
Consulting Services	Annual pre and post treatment mapping of CLP in Lake and River (3 years)	0	9,000.00	0	0.00	\$9,000.00
Consulting Services	Final Point Intercept Survey for Lake and River 2022	0	2,600.00	0	0.00	\$2,600.00
<b>Subtotals</b>			24,900.00		10,440.00	\$35,340.00
<input checked="" type="checkbox"/> <b>Override Default State Share Percentage:</b>	<b>Alternative State Share %</b>	75	<b>Total Project Cost Estimate (Cash + Donated Value)</b>			\$35,340.00
			<b>State Share Requested</b>			\$20,000.00

Early Detection & Response Projects - \$20,000 - maximum grant up to 75% state share, cannot exceed cash cost.

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**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 or other DNR Certified Lab, complete a Surface Water Grant Project Lab Costs, [Form 8700-360](#)
- 5. For projects on state property, include a land use agreement or specify a date when you expect to obtain one

**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](#)

**D. For Land Acquisition**

- 1. Completed [Form 1800-001](#), Environmental Hazard Assessment
- 2. Appraisal
- 3. Title insurance or commitment with supporting documentation

**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.

**Note:** If submitting this request by email, please type your name on the signature line. Your email message can be used as an electronic signature.

Robert Krory

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Date Signed

**NOTE: Section 8 has a 10 page limit. Additional pages will not be considered.**

## Section 8: Project Description

### A. Phased Projects:

Is this project being completed in phases?  Yes  No

If yes, briefly explain where this phase fits into the whole project including the work done previously and expected work in future phases.

This project is being completed over a three year phased approach.

### B. Project Summary (2-3 sentences)

This project is the early action and detection response to the presence of curly leaf pondweed (CLP) in Pike Lake. CLP is an aquatic invasive species that has recently been detected (summer 2019). The project seeks to identify where CLP exists in the lake and and upstream in the Turtle River and to what extent. The goal of the project is to prevent and control the presence of CLP in Pike Lake and the Turtle River (specifically between Pike and Rice Lake) via removal and mitigation.

### C. Project Area and Public Access/Use

Pike Lake is a soft water drainage lake of moderate transparency, 80 feet at its greatest depth and 214 acres. The principal inlet and outlet stream is the Turtle River. The lake is part of the Turtle River drainage and the outlet stream is tributary to Lake of the Falls. The shoreline is predominantly upland (85 percent) with the balance being wetland of the shrub type. Public access of the navigable water type from the landing located on the outlet stream (Turtle River) is available.

### D. Problem Statement

Pike Lake has a population of CLP that was recently discovered (summer 2019) and believed to be flowing downstream through the Turtle River from an upstream source (Rice Lake). Because CLP is an aquatic invasive species, the CLP needs to be addressed in order to maintain the aquatic ecosystem and prevent the spread to unpopulated waters downstream (ultimately the Turtle Flambeau Flowage). The population in Pike Lake has not previously been studied or addressed through any mitigation or management actions.

### E. Project Description and Timeline Matrix

#### 1. Goal/Job Objective:

Year 1 goals are to establish a baseline understanding of the aquatic ecosystem and establish the nature and extent of CLP present. In addition, year 1 goals include removal of as much CLP as possible to prevent the spread and control the population.

##### 1.a. Activity

- Form an assessment of the baseline aquatic ecosystem, including the native plant community along with CLP
- Complete CLP removal
- General timeframe for activities is summer 2020, May-July. Because CLP is a very early grower that starts to break up by July the work will be completed in the early part of summer.

##### Method and Data Collected

Full Point Intercept Survey (PIS) and AIS Meander Survey for Pike Lake and portion of Turtle River between Pike and Rice Lake (~2.5 miles).  
Coarse Woody Habitat Survey for Pike Lake.  
Pre- and post-treatment polygon/spot mapping for CLP on Pike Lake and 2.5 miles Turtle River.  
Hand Pulling on Pike Lake and Turtle River.

**Deliverable/Outcomes**

Summary progress report of Year 1 actions completed and results including:  
Initial PIS results  
AIS Meander Survey results  
Coarse Wood Habitat Survey results  
Pre- and post- treatment spot map  
Proposed mitigation strategies and actions for Year 2

All data gathered will be submitted to the DNR's SWIMS database as required.

**2. Goal/Job Objective:**

Year 2 goals are to build on the progress made during Year 1 and continue CLP removal to prevent the spread and control the population. Year 2 activities will provide insights into whether or not the current mitigation strategies are effective.

**2.a. Activity**

- Form an assessment of the pre and post treatment results
- Complete CLP removal
- General timeframe for activities is summer 2021, May-July. Because CLP is a very early grower that starts to break up by July the work will be completed in the early part of summer.

**Method and Data Collected**

Pre- and post-treatment polygon/spot mapping for CLP on Pike Lake and 2.5 miles Turtle River.  
Hand Pulling on Pike Lake and Turtle River.

**Deliverable/Outcomes**

Summary progress report of Year 2 actions completed and results including:  
Pre- and post- treatment spot map  
Proposed mitigation strategies and actions for Year 3

All data gathered will be submitted to the DNR's SWIMS database as required.

**3. Goal/Job Objective:**

Year 3 goals are to assess the effectiveness of the actions taken over the past 2 years to prevent and control the CLP population and plan for the development of a management plan if necessary.

**3.a. Activity**

- Form an assessment of the pre and post treatment results
- Complete CLP removal
- General timeframe for activities is summer 2022, May-July. Because CLP is a very early grower that starts to break up by July the work will be completed in the early part of summer.

**Method and Data Collected**

Full Point Intercept Survey (PIS) for Pike Lake and portion of Turtle River between Pike and Rice Lake (~2.5 miles).  
Pre- and post-treatment polygon/spot mapping for CLP on Pike Lake and 2.5 miles Turtle River.  
Hand Pulling on Pike Lake and Turtle River.

**Deliverable/Outcomes**

Summary progress report of Year 3 actions completed and results including:  
Pre- and post- treatment spot map  
Proposed planning actions for a future management plan if necessary

Also, a final report that is comprehensive for the entire project as required for final payment.

All data gathered will be submitted to the DNR's SWIMS database as required.

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

This project will compliment and support the efforts of surrounding watersheds in the Turtle River System, including other affected lakes such as Rice Lake (who discovered CLP in 2014). A watershed approach to the prevention of CLP and other AIS is essential and our efforts under this grant will assist in the prevention and control of the CLP in the existing populated waters as well as those downstream including the Turtle Flameau Flowage.

The Pike Lake and Turtle River efforts described herein are in direct support of the work occurring on Rice Lake as well as the Iron County Lakes and Rivers Association (ICLRA) and the Turtle River Watershed Management Stewardship. Residents of Pike Lake are actively working on forming a lake association and broadening collaboration with other interested parties such as Lake of the Falls and the Northwoods Wetland and Wildlife Association.

**G. Existing and Proposed Partnership**

Rice Lake is the sponsoring association for this grant while Pike Lake works to form its own association. Therefore, there already exists a strong and interdependent relationship between the two lakes currently affected by CLP. The Rice Lake Association belongs to the ICLRA, which has provided assistance and support in the grant application and planning process for CLP. We have also discussed our plans with the Iron County Conservationist, Zach Wilson and Aquatic Invasive Species specialist, Carol Warden at the DNR/UW-Madison and received assurances on the proper implementation and success of our proposed plan.

We have no other source of financial assistance for cash contributions, only the in-kind contributions of labor for hand pulling as indicated in the letter of support attached. Through this grant, we can activate and achieve the CLP prevention and control strategies that will benefit the broader network of watersheds in the area.

**H. Plan for Sharing Results**

The problem statement for the project has been communicated to the residents of Pike Lake at a in-person kick-off meeting at Rugger's Landing on September 29, 2019. A 41 page powerpoint presentation was provided by Zach Wilson on lake management, including a lengthy discussion on CLP. On October 17, 2019 a "Pike Lake Alert" letter was sent via US Postal mail to all Pike Lake lakeshore and Turtle River shoreowners (from Pike Lake upstream to the Arrowhead road bridge and from Pike Lake downstream to Lake of the Falls). The letter discusses the emerging CLP issue and the formation of the Pike lake association. Given the seasonal nature of residents/owners, another meeting is scheduled for Memorial Day weekend 2020 to discuss the project in further detail, including the specific objectives and actions, including an update on grant funding.

Several communication channels are available to continue communications including in-person meetings, e-mail and postal mailings, postings and announcements in businesses, public forums and periodicals. Additionally, Pike Lake has an active website (<https://pikelakemercerwi.org>) along with a Facebook group (Pike Lake Pikers) that is managed by the Pike Lake Steering Committee.

**I. Other**