1. IMPORTANT: Please refer to the application instructions to ensure you are completing the application correctly.

2. Every applicant must submit a pre-application to DNRSurfaceWaterGrants@Wisconsin.gov by September 15, 2025. The pre-application is a draft of sections 1, 2, 3, 5 and 8 of the surface water grant application (Form 8700-284). Your local biologist may contact you to provide feedback as you work to prepare your final application.

3. A final application must be submitted by November 15, 2025 to DNRSurfaceWaterGrants@Wisconsin.gov

4. This is a reactive form. Complete Section 1 and Section 2 in order to access the rest of the form. Additional form sections may appear based on what you enter in earlier sections.

State of Wisconsin
Department of Natural Resources
Bureau of Community Financial Assistance (CF/2)
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Notice: Use of this form is required by the Department of Natural Resources for any application filed pursuant to ch. NR 193, 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 Public Records Laws [ss.19.31–19.39 Wis. Stats.] **To be considered, applications must either be submitted electronically or postmarked by November 15.** The preferred method of application submittal is via email to **DNRSurfaceWaterGrants@wisconsin.gov**, using the **Submit by Email** button on this **form.**

Section 1: Ecosystem Type *Pre-application*

This project primarily focuses on (select one):

○ Lakes ○ Rivers ◉ AIS

Section 2a: Application Type (select one) *Pre-application*

Education and Planning Grants:

- ○ **Surface Water Education**
- ○ **Surface Water Planning**
- ○ **Comprehensive Planning for Lakes & Watersheds**
- ○ **County Lake**

Aquatic Invasive Species (AIS) Grants

- ○ **AIS Prevention**
- ◉ **AIS Population Management**
  - ◉ Large-scale ○ Small-scale
- ○ **AIS Early Detection & Response**

Surface Water Management Grants:

- ○ **Surface Water Restoration**
- ○ **Management Plan Implementation**
- ○ **Ordinance Development**
- ○ **Fee Simple Land Easement & Acquisition**
- ○ **Wetland Restoration Incentive**

Note: For Clean Boats, Clean Waters Grants use Form 8700-337
Lake Monitoring and Protection Network use Form 8700-284L
Healthy Lakes and Rivers Grants use Form 8700-035
AIS Planning Grants use Form 8700-284P

Section 2b: Applicant Information *Pre-application*

Project Title

2026-28 Minong Flowage AIS Management Project

Applicant Name (Organization)		Organization Type		
Minong Flowage Association		Lake Association		
Organization Address--Where to Send Check		**City**	**State**	**ZIP Code**
PO Box 167		Minong	WI	54859
Authorized Representative (AR) Name		**AR Title**		
Harlan Johnson		President		
AR Phone Number (include area code)	**Ext.**	**AR E-mail Address**		
(612) 818-4490		johnson2424@yahoo.com		
Contact Representative (CR) Name (if different from AR)		**CR Title**		
Steve Johnson		Lake Management Committee		
CR Phone Number (include area code)	**Ext.**	**CR E-mail Address**		
(715) 829-3686		sjj8549@gmail.com		

Has your organization been approved as an eligible applicant within the past 10 years?

○ Not applicable. *(eg., Counties, Local Units of Government, Lake Districts, Town Sanitary Districts, Tribes, or Accredited Universities.)*

○ No. *Submit Form 8700-380 and required supporting documentation to your Environmental Grant Specialist 6 months prior to the grant application deadline. Your organization must be deemed eligible prior to the grant application deadline.*

◉ Yes.

Please refer to the application instructions to ensure you are completing the application correctly.

Section 3: Project Information *Pre-application*

Project Location

	Proposed Start Date		Proposed End Date	
	March 15 (Start Date)	2026 (Year)	December 31 (End Date)	2028 (Year)

Waterbody Name(s)	Waterbody ID(s) Look it up here! (WBIC)	Lake Acreage (if applicable)	Is there public access?	No. of Public Access Sites Incl. Boat Launches & walk-ins	No. of Public Vehicle-Trailer Parking Spaces Available at Public Access Sites
Minong Flowage	2622900	1,587.00	(●) Yes ( ) No	4	25

Do all of the above waterbodies meet the minimum public boating access standards provided in s. NR 1.91 (4), thus are eligible to receive funding for natural resource enhancement services. (●) Yes ( ) No

- [x] Project to be implemented on state land
- [x] Project to be implemented on land not owned by the applicant
- [ ] Regional project serving multiple waterbodies

County(ies)

Washburn, Douglas

State Senate District No.(s)	State Assembly District No.(s)
25	74

Laboratory Analysis

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:

Permitting

Are state, local and/or federal permits required for this project? ( ) Yes ( ) No ( ) Unknown

Permit Name	Agency	Status (i.e., to be submitted, submitted, approved)	Agency Contact
Chemical Application	WDNR	to be submitted	
Mechanical Harvesting	WDNR	to be submitted	

Pre-application Meeting

Wisconsin DNR Staff Name(s)	Date

Section 3a: Determination of Project Eligibility *Pre-application*

Have you requested a Determination of Eligibility from the regional DNR Biologist for the activity you are seeking grant funding for?

(●) Yes ( ) No

If yes, provide the request and the eligibility determination documentation from the DNR Biologist, if available, with the pre-application.

If no, provide the request with the pre-application; see memo template for example.

Management Plan(s)

Name of Plan	Publication Year
2024-2028 Minong Flowage Aquatic Plant Management Plan	2024

Projects must implement a management plan recommendation.

Please refer to the application instructions to ensure you are completing the application correctly.

Determination of Project Eligibility Information

Exception: *Purple loosestrife biocontrol projects do not need to be recommended in a management plan or determined to be eligible by the department.*

Date of Eligibility Determination	WDNR Staff
09/30/2024	Pamela Toshner

Projects must be determined to be eligible by department staff.

Federal Nonpoint Source Program Eligibility

Are there federal dollars in this project? ○ Yes, Source _____
◉ No

If no other federal funds are being applied to the project, Federal Nonpoint Source Program (Clean Water Act Section 319) funding may be used for these projects. Applicants must be able to specifically describe and reference the recommendation from the 9 Key Element Plan in Section 8, Complementary Management box.

☐ 1. The project focuses on reducing nonpoint source pollution by implementing at least one of the best management practices mentioned in NR 154.04.

☐ 2. The project implements the goals and recommendations of an EPA-approved watershed-based plan that meets EPA's "9 key elements". (Link to map and plans at: https://dnr.wi.gov/topic/Nonpoint/9keyElement/planMap.html)

Provide the title of the EPA-approved 9-key-element plan this project implements	Plan Expiration Year

Section 4: External Financial Support

List organizations (e.g., school, town, county, nonprofit organization, etc.) other than the applicant and their subcontractors 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. Do not list Wisconsin Department of Natural Resources funds or resources.

Organization Name	Type of Support	Amount of Support
Washburn County Forestry Department	Financial - launch fees - 3yrs	$4,500.00

Section 5. Project Budget

Pre-application

Part A. Provide a detailed budget of eligible costs including all wages, services, supplies and equipment necessary to accomplish the project. List each item, the activities it is related to in Section 8 of the application, the budget category it best fits, number of units (e.g. hours, plants, square feet, days, miles) and unit cost. Note whether the item is related to administration of the project. See guidance for more information.

Item Description	Activity in Section 8 (ex. 1.a.)	Budget Category	Cash or Donation/ Match	Unit	# of Units	Unit Cost	Subtotal	Admin. Cost?
1. Project Start and Ending Meetings (beginning and end of each year of this project) - MFA	1a	Personnel	donation	hr	54	$ 15.00	$ 810.00	☒
2. Project Start and Ending Meetings (beginning and end of each year of this project) - Consultant	1a	Consultants/Contractual	cash	hr	24	$ 150.00	$ 3,600.00	☒
3. HWM management planning - 2026-2028 - MFA	1b	Personnel	donation	hr	90	$ 15.00	$ 1,350.00	☐
4. HWM management planning - 2026-2028 - Consultant	1b	Consultants/Contractual	cash	hr	32	$ 150.00	$ 4,800.00	☐
5. Spring newsletter 2026-2028 - MFA	2a	Personnel	donation	hr	36	$ 15.00	$ 540.00	☐
6. Stakeholders Discussions - 2026-2028 - MFA	2a	Personnel	donation	hr	48	$ 15.00	$ 720.00	☐
7. Stakeholders Discussions - 2026-2028 - Partners	2a	Other	donation	hr	24	$ 24.00	$ 576.00	☐
8. Stakeholders Discussions - 2026-2028 - Consultant	2a	Consultants/Contractual	cash	hr	18	$ 150.00	$ 2,700.00	☐
9. Stakeholders Discussions - 2026-2028 - Consultant - Travel (3 trips)	2a	Travel	cash	Mi	330	$ 0.70	$ 231.00	☐
10. AIS early detection surveys - 2 each year	3a	Consultants/Contractual	donation	F.R.	6	$ 2,880.00	$ 17,280.00	☐
11. AIS Training for the Constituency - planning and implementation for one workshop per year	3a	Personnel	donation	hr	24	$ 15.00	$ 360.00	☐
12. AIS Training for the Constituency - boat use	3a	Equipment	donation	hr	12	$ 10.00	$ 120.00	☐
13. Zebra mussel monitoring - installation and attending of plate samplers	3a	Personnel	donation	hr	24	$ 15.00	$ 360.00	☐
14. Contracting for scuba diver removal of EWM by property owners	3b	Personnel	donation	hr	40	$ 15.00	$ 600.00	☐
15. Contracting for scuba diver removal of EWM by property owners - diving services paid for by property owners	3b	Consultants/Contractual	donation	Evnts	20	$ 500.00	$ 10,000.00	☐
16. Mechanical harvesting in Serenity Bay - MFA planning	3b	Personnel	donation	hr	32	$ 15.00	$ 480.00	☐
17. Mechanical harvesting in Serenity Bay - up to six days	3b	Consultants/Contractual	cash	Days	6	$ 3,500.00	$ 21,000.00	☐
18. Herbicide application to control EWM - 2026 Implementation oversight - MFA	3b	Personnel	donation	hr	32	$ 15.00	$ 480.00	☐
19. Herbicide application to control EWM - 2026 - contracted applicator - 45 acres with liquid 2,4D	3b	Consultants/Contractual	cash	Evnt	1	$ 36,779.72	$ 36,779.72	☐

Please refer to the application instructions to ensure you are completing the application correctly.

	Item Description	Activity in Section 8 (ex. 1.a.)	Budget Category	Cash or Donation/ Match	Unit	# of Units	Unit Cost	Subtotal	Admin. Cost?
20.	Herbicide Concentration Testing - 2026 - SLOH Lab Analysis	3c	Other	cash	Evnt	1	$ 3,717.00	$ 3,717.00	☐
21.	Herbicide Concentration Testing - 2026 - Prep of sampling materials	3c	Consultants/Contractual	cash	hr	8	$ 150.00	$ 1,200.00	☐
22.	Herbicide Concentration Testing - 2026 - MFA sample collection and processing	3c	Personnel	donation	hr	54	$ 15.00	$ 810.00	☐
23.	Herbicide Concentration Testing - 2026 - MFA boat use	3c	Equipment	donation	hr	27	$ 10.00	$ 270.00	☐
24.	Herbicide Concentration Testing - 2026 - Shipping of samples to the SLOH	3c	Supplies & Operating Expenses	cash	Evnt	1	$ 108.00	$ 108.00	☐
25.	Pre/post chemical treatment PI survey - Contractor	3c	Consultants/Contractual	cash	Evnt	2	$ 2,784.40	$ 5,568.80	☐
26.	Pre/post chemical treatment PI survey - Consultant Support	3c	Consultants/Contractual	cash	hr	4	$ 150.00	$ 600.00	☐
27.	Pre/post chemical treatment PI survey - MFA	3c	Personnel	donation	hr	4	$ 15.00	$ 60.00	☐
28.	Winter drawdown - reimbursement for lost power generation	3b	Supplies & Operating Expenses	cash	$	1	$ 32,000.00	$ 32,000.00	☐
29.	Year after drawdown wholelake PI survey	4a	Consultants/Contractual	cash	Evnt	1	$ 4,434.65	$ 4,434.65	☐
30.	Year after drawdown wholelake PI survey - MFA	4a	Personnel	donation	hr	16	$ 15.00	$ 240.00	☐
31.	Year after drawdown wholelake PI survey - Consultant support	4a	Consultants/Contractual	cash	hr	4	$ 150.00	$ 600.00	☐
32.	EWM recon and bed mapping surveys - one each year	4a	Consultants/Contractual	cash	Evnt	3	$ 4,736.00	$ 14,208.00	☐
33.	EWM recon and bed mapping surveys - one each year - MFA	4a	Personnel	donation	hr	16	$ 15.00	$ 240.00	☐
34.	EWM recon and bed mapping surveys - one each year - Consultant	4a	Consultants/Contractual	cash	hr	6	$ 150.00	$ 900.00	☐
35.	CLMN expanded water quality monitoring - Deep Hole Near Dam	4b	Other	donation	F.R.	3	$ 240.00	$ 720.00	☐
36.	Expanded water quality monitoring in the Central Basin and Serenity Bay - SLOH	4b	Other	cash	Evnt	6	$ 228.00	$ 1,368.00	☐
37.	Expanded water quality monitoring in the Central Basin and Serenity Bay - prep of materials - Consultant	4b	Consultants/Contractual	cash	hr	6	$ 150.00	$ 900.00	☐
38.	Expanded water quality monitoring in the Central Basin and Serenity Bay - MFA	4b	Personnel	donation	hr	72	$ 15.00	$ 1,080.00	☐
39.	Expanded water quality monitoring in the Central Basin and Serenity Bay - MFA boat use	4b	Equipment	donation	hr	60	$ 10.00	$ 600.00	☐

Please refer to the application instructions to ensure you are completing the application correctly.

Item Description	Activity in Section 8 (ex. 1.a.)	Budget Category	Cash or Donation/ Match	Unit	# of Units	Unit Cost	Subtotal	Admin. Cost?
40. Expanded water quality monitoring in the Central Basin and Serenity Bay - Shipping of water samples	4b	Supplies & Operating Expenses	cash	yr	3	$ 144.00	$ 432.00	☐
41. Island Protection planning - MFA	4c	Personnel	donation	hr	24	$ 15.00	$ 360.00	☐
42. Island Protection planning - materials	4c	Supplies & Operating Expenses	cash	$	1	$ 375.00	$ 375.00	☐
43. Island Protection planning - boat use	4c	Equipment	donation	hr	8	$ 10.00	$ 80.00	☐
44. Healthy Lake Project Planning - MFA	4c	Personnel	donation	hr	12	$ 15.00	$ 180.00	☐
45. Project Administration - MFA		Personnel	donation	hr	300	$ 15.00	$ 4,500.00	☒
46. Project Administration - Consultant Support		Consultants/Contractual	cash	hr	18	$ 150.00	$ 2,700.00	☒
47. Project Administration - Consultant Travel		Travel	cash	Mi	330	$ 0.70	$ 231.00	☒
1.						$	$	☐
						Subtotal	$ 181,269.17	
						Total Project Cost Estimate	$ 181,269.17	
State Share Requested cannot exceed Cash Cost Subtotal						Eligible State Share	$ **135,951.88**	
						Grant Award Request	$ 135,951.88	

Part B – Cost Estimate Summary. Summary of all costs from Part A.

Cost Category	A. Cash Costs	B. Donated Value
1. Personnel	$	$ 13,170.00
2. Employee Benefits	$	$
3. Travel	$ 462.00	$
4. Equipment	$	$ 1,070.00
5. Supplies/Operating Expenses	$ 32,915.00	$
6. Consultant/Contractual	$ 99,991.17	$ 27,280.00
7. Construction	$	$
8. Other (ex. Acquisition)	$ 5,085.00	$ 1,296.00
Subtotals	$ 138,453.17	$ 42,816.00
Total Project Cost Estimate	$ **181,269.17**	
Grant Award Request	$ **135,951.88**	
Grantee Share	$ **45,317.29**	

Grantee Share Percent: 25%

Please refer to the application instructions to ensure you are completing the application correctly.

Part C – Cost Containment and Professional Service Agreements.

☒ I acknowledge that a professional service agreement is required if the grantee subcontracts or hires an agent to undertake any portion of this project requiring more than $5000 of grant funding prior to the commencement of any contracted work. (Does not apply to counties, cities, towns, villages or Wisconsin tribes).

☒ I acknowledge that cost containment measures must be implemented per NR 193.08 for all capital assets and any supply, service or equipment item purchased by the grantee if the cost exceeds $2,500.

Budget Items > $2,500	Cost-Containment Methods	Description of Method
Plant survey work	Flat Rate	Value calculated from SWG Guidebook
Consultant	Alternative Measures/Other	Estimated consultant costs
Herbicide application	Alternative Measures/Other	Plan on using the same company used in previous years
Mechanical harvesting	Competitive Bidding	Only a couple of companies out there that provide these services
Water sample analysis for 2,4D and water quality	Alternative Measures/Other	Using the WI-SLOH

Please refer to the application instructions to ensure you are completing the application correctly.

Section 6: Attachments (check all that are included)

- ☒ Authorizing resolution (required).
- ☒ Documentation of external financial support and/or letters of support.
- ☒ Map of project location, public access, public land and other use and access features (required).
- ☐ Land use agreement or letter of intent from property manager (required).
- ☒ Request for Determination of Project Eligibility (required with pre-application).
- ☐ Project Eligibility Determination from DNR Biologist (required with final application).
- ☒ Surface Water Grant Project Lab Costs, Form 8700-360 (required).

Section 7: Certification

Signature: Harlan Johnson

Date Signed

Please refer to the application instructions to ensure you are completing the application correctly.

Section 8: Project Description

Pre-application

Are you applying for funding to control an aquatic invasive species? (●) Yes ( ) No

Description of Extent of Aquatic Invasive Species and Strategy for Control

Complete as much of the information below as possible, to the best of your ability. A separate worksheet should be filled out for each species and lake that will be controlled as part of this grant proposal. *Use the **Add Species** button below to begin a new worksheet if you are including multiple species or lakes as part of your grant application.*

Name of Aquatic Invasive Species (AIS) Proposed to Control

Eurasian watermilfoil

Year AIS First Verified in waterbody: 2002

Name of Waterbody to be Managed *(if your grant application contains multiple waterbodies)*

Minong Flowage

Approximate number of years this species has been actively managed: 15

Have you or the waterbody received an Early Detection and Response (AIRR) or an AIS Population Management (ACEI) grant to manage this species?

Grant Number _____ Status _____

Grant Number _____ Status _____

Population status:

Number of acres of this AIS from most recent bed mapping survey: 257.00 Survey Date: 08/19/2025

Littoral % frequency of occurrence of this AIS from most recent point-intercept (PI) survey: 22.8 Survey Date: 07/25/2023

Control Technique: Mechanical Harvester

Season(s) and Year(s): 2026 Acres Targeted: 11.40

Number of Hours Allocated for Control: 48

Control Technique: Manual (hand pulling)

Season(s) and Year(s): 2026-2028 Acres Targeted: 5.00

Number of Hours Allocated for Control: _____

Control Technique: Chemical

Season(s) and Year(s): 2026 Acres Targeted: 45.00

Herbicide: 2,4-D Herbicide Formulation: Liquid

Target Herbicide Concentration: 4.0

(The target concentration should be for the entire lake if the project proposes a whole-lake treatment or if treating more than 10% of lake area. If the treatment is not planned as a whole-lake treatment, then provide target concentration (parts per million) for the AIS bed being treated)

Control Technique: Water Level Drawdown

Season(s) and Year(s): 2026-27 Acres Targeted: 533.00

A. Brief Project Summary (1000-characters, with spaces maximum)

Enter text below using the following sentence structure: *The [applicant] is sponsoring a project to conduct AIS Planning activities on [waterbody]. Activities and deliverables include 1) [Concise description of activity and deliverable(s)], 2) [Concise description of activity and deliverable(s)], 3) [Concise description of activity and deliverable(s)], ...*

Note, this text will be used as a standalone scope statement in program and promotional materials, the SWIMS database, and on DNR Lakes webpages if the grant is awarded.

A new Aquatic Plant Management (APM) Plan for the Minong Flowage (MF) was completed in 2024. The Minong Flowage Association (MFA) is sponsoring a 3yr implementation project that includes:
* Project meetings & Stakeholder involvement
* EWM management including physical & diver removal, mechanical harvesting, winter drawdown, & herbicide application
* AIS education, monitoring, & prevention
* EWM & aquatic plant monitoring & mapping
* Water quality monitoring
* Island/shoreland protection
* Admin. support

B. Project Area and Public Access/Use

Describe where the project is located, including information on the waterbody or community served. For projects addressing waterbodies or watersheds, include physical characteristics like size, depth, hydrological type and land use. Describe public use and access features.

The MF is a 1564ac impoundment in NW Wisconsin managed for fishing & swimming. It is designated Priority Navigable Water for wild rice & walleye. It supports annual Tribal and Public wild rice harvest. The Totagatic River flowing through the MF is outstanding resource water & is part of the National Scenic Riverway above & below the MF. The MF is one of the heaviest used recreational lakes in NW Wisconsin. It has 350 private properties, four public & private boat landings, and Boats can travel between the MF & Cranberry Lake to the north via the Cranberry Flowage. Cranberry Lake has 40 private properties and three RV resorts with 250 campsites and 80 extra boat slips. On the Minong Flowage, there are two private resort/campgrounds with 50 RV campsites and 30 boat slips, a Summer Nature Camp, & a County campground with >100 sites, swimming area, pavilions, picnic areas, children's play area, fishing pier, fish cleaning house, & nature trail. This campground operates at over 95% occupancy from Memorial Day until Labor Day. There are 16 state-owned islands in the MF. Between 2023 and 2024, CBCW documented >9000 boats inspected. A 2023 PI survey documented 78 plant species, an FQI=53, & a Mean C=6.6 - 42% of all the plants identified had a "C" value of 8-10. The NHI lists bald eagles, osprey, Blanding's & wood turtles, least darters, & banded killifish in the area around the MF.

C. Problem Statement

Provide a clear and concise description of the problem that this project will address. What is the purpose of the project?

During the 2023 PI survey the littoral frequency (LF) of EWM was 22.8% and is greater now. In 2025, 257 acres of EWM were documented. EWM interferes with lake use, puts other lakes at risk, and impacts native vegetation. EWM management is challenging with deep and shallow water beds, stumpy areas, and dark water. Management must balance cultural interests relative to wild rice & walleye populations. Since 2009, multiple management actions have reduced EWM in the MF, sometimes for several years. But with EWM, ongoing management is necessary. Herbicide applications were successfully implemented early with no appreciable impact to native plant species. Around 2012, Tribal concerns over wild rice all but removed herbicide application as a management tool despite several special projects that showed herbicide did not impact it. Water flows through the MF but past projects have shown it does not reduce the effectiveness of herbicide application in most areas. Drawdowns have been successfully implemented but their effect is influenced by weather conditions. Climate changes call into question whether future winter drawdowns will even be effective at killing EWM. The last drawdown failed to provide EWM control in water >5ft deep. Drawdowns negatively impacted native vegetation and shoreline trees, caused wells to dry up, dislodged woody debris from the bottom that washed into shorelines, and prevented winter activities including ice fishing and snowmobiling. The MFA & its constituency have become less supportive of it as a management action. The Washburn County Dam Committee now requires local Town approval for water level changes. Wascott is hesitant to support a drawdown due to complaints from its constituency. Scuba divers & DASH have limited success and are more expensive in a $/sq ft. management analysis. The amount of EWM discourages property owners from removing it. A single management action is not enough, an integrated & adaptive approach to management is needed.

D. Project Description and Timeline

1. Goals and Objectives

Goal 1 - Organization and Planning. Obj. 1 The MFA will meet with a Consultant at the beginning and end of each year of this project to discuss what has and needs to be done, assign roles, and review project expectations and results. Obj. 2 - EWM management planning including herbicide application, winter drawdown, and mechanical

harvesting will be completed in each year of this project. Preparation of WDNR APM Management permits are included in this objective.

1.a. Activity
Organization meetings in March and November of each year of this project.

Method and Data Collected

Meetings will be attended by multiple MFA volunteers and the Project Consultant. Each meeting will be a minimum of 2hrs in length. Additional time is provided for preparation before Each meeting and follow-up after each meeting.

Deliverable and Outcomes

The expected outcome are clearly defined expectations and assignments to keep this project moving forward and the ability to track all that has been done for smooth project implementation. Deliverables include agendas and minutes from each meeting.

1.b. Activity
Collaborative EWM management planning that includes an integrated approach, helps implementation, evaluates results, and adapts as necessary. Planning will assure that all tasks included in this project are implemented in as efficient and effective way possible

Method and Data Collected

In-person meetings, video conferencing, emails, and phone

Deliverable and Outcomes

The expected outcome is EWM management over the course of three years that is driven by management needs, available resources, WDNR rules and regulations, and constituent and stakeholder expectations. Deliverables include management and implementation plans, summary reports, etc in pdf form for sharing in appropriate and necessary places.

2. Goals and Objectives

Goal 2 - Community and Constituent Communication. Obj. 1 - Informing and involving constituents and Stakeholders of/in management decisions, plans for implementation, and implementation results.

2.a. Activity
Newsletters and Public Meetings.

Method and Data Collected

The MFA will publish at least one newsletter in each year of this project that will be sent to all constituents and stakeholders. The MFA holds its annual meeting in early June and will update management actions and results during it. A Stakeholders Meeting will be held near the end of each year. Personal invites to County, Town, and Tribal Stakeholders will be made. Both the Annual Meeting and Stakeholders meetings will be open to the public.

Deliverable and Outcomes

The expected outcome is an informed constituency that feels their voices are heard when making management decisions that affect everyone who lives on or uses the MF. Deliverables include pdf copies of newsletters, meeting notices, meeting minutes, etc.

3. Goals and Objectives

Goal 3 - Target species management as defined in the WDNR Integrated Pest Management Strategy. Obj. 1 - AIS monitoring and constituent education. Obj 2 - EWM management

3.a. Activity

AIS early detection surveys will be completed in June and August of each year of this project. The purpose of these surveys will be to look for yellow iris and purple loosestrife along the shores of the MF. Zebra mussel monitoring will also be completed each year. At least one formal training or information session will be sponsored by the MFA each year.

Method and Data Collected

AIS early detection surveys will patrol the entire shoreline of the MF looking for yellow iris in June and purple loosestrife in August. Surveyors will use a hand-held GPS unit to track their path around the Flowage and to take points when an AIS is found. Any new AIS will be reported to the WDNR. If possible, surveyors will either physically remove what is found, consider removing flower heads, and for purple loosestrife, look for indications that beetles released on the MF in the past are still present. An MFA volunteer will install and monitoring zebra mussel plate samplers at three locations around the MF - Pogos docks, at the WDNR landing, and near the dam. Any training session will be posted well ahead of time and be open to anyone who is interested. Training sessions usually include some onshore/ classroom time and then time on the water.

Deliverable and Outcomes

Deliverables include GIS data, maps, monitoring reports, and photo documentation of what is found and/ or removed. Plate samplers will be installed in the spring and removed in the fall. They will be checked at least two times a month while in the lake. Documentation of training sessions include publicity, classroom agendas, lists of participants, and photo documentation. The expected outcome is an educated and informed constituency and timely and accurate assessments documenting the existence of AIS.

3.b. Activity

EWM will be managed following an integrated approach that includes physical and/or diver removal (2026-28), mechanical harvesting (2026 & 2027(?)), application of herbicides (2026) , and a winter drawdown (2026/27).

Method and Data Collected

Property owners will spend time physically removing EWM and/or cover the costs of hiring scuba divers to remove EWM in front of their properties. No permit is needed for this type of management. Contracted mechanical harvesting will be completed in the south end of Serenity Bay in 206, and maybe 2027 if financial resources are available and it is necessary. Herbicides will be applied to five areas in 2026 that have dense growth EWM that interferes with lake use and is mostly in deep water (>5ft). A liquid 2,4D-based herbicide will be used unless permission is granted to try ProcellaCOR EC in an area of the MF near the WDNR Boat Landing. A winter drawdown of at least 5ft will be implemented over the winter of 2026/27. All of these management activities are dependent on WDNR, Constituent, and Stakeholder approval.

Deliverable and Outcomes

Deliverables include all management documents in a form that can be shared with Constituents, Stakeholders, and the WDNR. Reports summarizing the outcome of each management action will be completed. The expected outcome is that after 3yrs, EWM will once again be at very low levels in the MF and will remain so for a number of years.

3.c. Activity

Pre/post chemical application aquatic plant point-intercept survey of at least 180 points distributed throughout the five areas of the MF proposed for herbicide application in 2026. Herbicide concentration testing will be completed post-treatment to track herbicide movement, concentration, and dispersal/ breakdown.

Method and Data Collected

There are currently five areas of the MF totaling 45 acres proposed for herbicide application in 2026 - Pogos Bay, South side of the North Basin, WDNR Landing Bay, East Shore, and SE Shore. Lake use and navigation is negatively impacted by EWM in all of these areas. Prior to herbicide application, at least 180 points will be surveyed following PI protocol by an Aquatic Plant Surveyor. The same points will be surveyed 4-6wks after herbicide application to determine impacts on EWM and native aquatic vegetation. Herbicide concentration testing will be completed at five sites for at least 2 wks after application. A sixth site will be added at the HWY T Bridge between the MF and Cranberry Flowage if EWM is managed in Cranberry Lake or Flowage by the Cranberry Lake Association. An herbicide concentration testing plan will be developed by a Consultant and be approved by the WDNR. At present, the WI -SLOH will be used to set up and analyze water samples.

Deliverable and Outcomes

Deliverables include PI spreadsheets and a survey report, the herbicide concentration testing plan, copies of monitoring materials provided to MFA volunteers who will collect the water samples needed for the concentration testing, and a summary report of what the herbicide concentration testing reveals and how results might have impacted the treatment. The expected outcome is that EWM in the MF will be minimized and kept at low levels for several years.

4. Goals and Objectives

Goal 4 - Gaining knowledge and utilizing resources. Obj 1 - Documenting changes in the aquatic plant community, native and non-native as a result of EWM management actions. Obj 2 - Document any changes in water quality and continue to monitor long-term trends toward worsening or improving water quality. Obj 3 - Take steps to protect several islands in the MF that are suffering from overuse and mismanagement.

4.a. Activity

Wholelake, meandering recon and EWM mapping surveys will be completed in the late summer/early fall in each year of this project. In 2028, after both herbicide application and a winter drawdown, the entire plant community will be evaluated following PI survey protocol.

Method and Data Collected

Recon and mapping surveys will be completed by an Aquatic Plant Surveyor in late August or early Sept of each year. The surveyor will complete a meandering survey throughout the entire littoral zone of the MF. Individual locations and beds of EWM will be documented with a hand-held GPS unit. Maps will be made using the data collected. In 2028, an Aquatic Plant Surveyor will repeat the same wholelake PI survey that was completed in 2023 and in multiple years before that.

Deliverable and Outcomes

Deliverables include GIS documentation of recon and mapping survey points and tracks, maps, and a summary report of what is found. PI deliverables include spreadsheets, comparisons to previous PI surveys, maps, and a summary report. The expected outcome is accurate and timely assessment of EWM management impacts on both EWM and native aquatic plants.

4.b. Activity

Long-term trend water quality monitoring of three sites in the MF will continue for three years. The Deep Hole Near Dam is part of the CLMN Expanded Monitoring Program. The same data will be collected from the Central Basin and the south end of Serenity Bay.

Method and Data Collected

CLMN expanded monitoring includes Secchi disk readings of water clarity, water sampling to analyze phosphorus concentration are collected four times each season. Water samples to evaluate chlorophyll-a

concentration are collected three times a year. Secchi readings area collected more frequently. A Consultant will prepare water quality sampling materials that are received from the SLOH for MFA volunteers to use each year. Temperature and dissolved oxygen may also be monitored. Phosphorus and Chlorophyll-a results are recorded in the SWIMS database by the SLOH. MFA volunteers will enter Secchi, temp, and DO data and any other CLMN data collected into the SWIMS database

Deliverable and Outcomes

All water quality data will be recorded in the WDNR SWIMS database.

4.c. Activity

There are several islands in the MF that are suffering from erosion caused by overuse and less than ideal shoreland condition. These islands are loved to death by lake users who are unaware of the damage caused by their use. The MFA will continue an Island Protection Campaign with education and information provided to lake users and the constituency. At least one Healthy Lakes project, either a fishsticks installation or shoreland restoration will be implemented on at least one of the island during this three year project.

Method and Data Collected

The MFA will establish an Island Protection Committee whose responsibility it will be to come up with promotional materials (signs, flyers, etc) and take the lead on implementing at least one Healthy Lakes project likely funded by a separate Healthy Lakes and Rivers grant.

Deliverable and Outcomes

Deliverables include copies and/or photos of the island protection materials created during this project. It is expected that at least one project to help protect one or more islands will be completed during this project. Planning for and photos of that project will be deliverables. The expected outcome are lake users and constituents more aware of the damage caused to the islands in the MF and a change of attitude in how those islands are used/abused.

E. Prevention

Describe identified AIS pathways, AIS prevention strategy, how strategy is being implemented, and how to relates to AIS population management efforts.

EWM and curly-leaf pondweed are well established in the MF. EWM is also in Cranberry Lake and Flowage. Lake use spreads EWM around the lake and when boats leave the MF they risk carrying it out to other lakes. The MFA in cooperation with the Town of Minong implements a CBCW program every year at the County Park Landing and WDNR Landing. Additional time is put in at the Smiths Bridge landing. By managing EWM, the impacts it has on lake use, other aquatic plants, and water quality is reduced. The amount of EWM that is spread around the lake and potentially taken out of the lake is minimized as well. AIS monitoring provides timely and accurate information about existing AIS and will help to identify new AIS before it/they become a bigger issue.

F. Strategy and Decision Making

Describe the management strategy and decision-making process and how a decision to pursue the proposed project was reached. Make a case for why the work is necessary, how it accounts for characteristics of the system and past control efforts, especially when there is duplication of work occurring less than 5 years ago.

The MFA has worked tirelessly with the WDNR, Tribal Resources, Town and County officials, lake users, and constituents to develop management plans that help control AIS without causing harm to other species. Since 2009, several studies have been completed including water movement/flow, concentration testing, and aquatic plants. The only management alternative not implemented on the MF to date is mechanical harvesting, and that is included in this project. The MFA strives to keep all Stakeholders informed and involved, going out of their way to make invitations, share data, and have repeatedly adapted its management plans to address concerns and answer questions. After three years of successful herbicide application, the extent of EWM was significantly reduced. Herbicide application was followed by a summer and winter drawdown which helped keep EWM at lower levels longer. Since these two initial large-scale management actions, smaller herbicide applications have been completed, a winter-only drawdown was completed, and physical removal by property owners, divers, and DASH have been implemented. After each action, EWM was reduced and remained low for at least a couple years. Unfortunately, it does not take long for populations

to expand again, and in 2025 the extend of EWM was almost as bad as it ever has been. Building on post experience, a new APM Plan was developed and recommendations for management were made. This project implements all of them.

G. Successful Outcome

Describe how the project approach and activities will result in the desired outcome including the proposed timeline. Include information about how the project aligns with the management strategy and was scaled and scoped to effectively manage the population.

It is expected that this project will reduce EWM in the MF to levels where it does not negatively impact other aspects of a healthy system and maintains it in a condition that supports all the positives about it. Recreational use, fishing, harvest of wild rice, and property values all should be in better shape at the end of this project. While it is known that EWM will have to be managed again at some point in the future to maintain its desirability, it is expected that the results of this project will last through 2030.

H. Complimentary Management

Describe how the project complements other protection and restoration management efforts. Include summary of planning and implementation efforts besides those related to AIS (e.g., shoreland or wetland restoration, Healthy Lakes & Rivers, nutrient management, etc.).

The 2017-27 Washburn Co Land & Water Resource Plan has a goal focused on AIS education prevention & planning. Washburn Co has an AIS Strategic Plan with four goals related to AIS. Washburn Co is currently collecting data related to the suitability of Burnett & Washburn County lakes for successful zebra mussel infestation. A goal in the Lake St. Croix/St. Croix Basin TMDL is to "identify threats & opportunities for the St. Croix Watershed" including invasive species. Objectives include inventorying, assessing, & updating a list of emerging threats. The St. Croix River Association has an AIS Strategic Plan developed in 2016. It has four AIS goals: Prevention, Containment, Control, & Coordination & Assessment. The 2020-29 Douglas Co Land & Water Resource Plan has two goals related to the MF: support surface water monitoring & help in the coordination, development of, and/or the implementation of water resource management plans; & to prevent the introduction & spread of aquatic & terrestrial invasive species ..." Representatives from these & other entities are expected to participate in Stakeholder Meetings where current & future management actions are discussed. The DNR is currently studying the effects of waterfowl grazing on wild rice & the Minong Flowage is one of the study sites.

I. External Support

Describe collaboration with other organizations that will be providing financial or other support along with the expected benefits of collaboration. Document support with letters and submit with this application. Be sure to highlight support from partners that are critical to implementation and any other AIS-related work conducted without financial assistance from state.

Washburn Co. supports many activities on the MF. The Parks & Rec Committee donate all launch fees ($1500/yr) collected at the County Park boat landing to the MFA. The AIS Coordinator helps with AIS education & monitoring efforts. The Hwy Dept leases the dam to Zero6 Energies & both participate in management discussions that pertain to future drawdowns. The Town of Minong covers CBCW at the County Park boat landing & other local landings & provides meeting space at the Town Hall. Douglas Co. & the Town of Wascott provide similar support. The owners, counselors, & campers at the Ernie Swift Nature Camp support management actions including physical removal of EWM & AIS monitoring. The MFA & GLIFWC share current wild rice information including aerial & on-the-water mapping results, annual growth, & harvest observations. Stakeholders donate time & resources while participating in the annual Stakeholders' Meeting.

J. Other