

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 1st.** 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
 Wetlands
 AIS

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

Education and Planning Grants:

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

Surface Water Management Grants:

- Healthy Lakes & Rivers
 Surface Water Restoration
 Management Plan Implementation
 Ordinance Development
 Fee Simple Land Easement & Acquisition
 Wetland Restoration Incentive

Aquatic Invasive Species (AIS) Control Grants:

- AIS Prevention
 Aquatic Invasive Species (AIS) Control
 Large Scale Small Scale
 Early Detection & Response

Note: For Clean Boats, Clean Waters Grants use [Form 8700-337](#)
 Lake Monitoring and Protection Network use [Form 8700-284L](#)

Section 2b: Applicant Information **Pre-application**

Project Title

Long Lake Comprehensive Lake Management Plan

| | |
|------------------------------------|-------------------|
| Applicant Name (Organization) | Organization Type |
| Long Lake Preservation Association | Lake Association |

| | | | |
|---|-----------|-------|----------|
| Organization Address--Where to Send Check | City | State | ZIP Code |
| PO Box 336 | Birchwood | WI | 54817 |

| | |
|-------------------------------------|-----------|
| Authorized Representative (AR) Name | AR Title |
| Byron Crouse | President |

| | | |
|-------------------------------------|------|-------------------|
| AR Phone Number (include area code) | Ext. | AR E-mail Address |
| (608) 347-7439 | | bjcrouse@wisc.edu |

| | |
|---|----------------------------|
| Contact Representative (CR) Name (if different from AR) | CR Title |
| Megan Mader | Long Lake Science Director |


| | | |
|-------------------------------------|------|-------------------|
| CR Phone Number (include area code) | Ext. | CR E-mail Address |
| (715) 635-2197 | 244 | mmader@nwrpc.com |

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

- Not applicable. (ex. 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 Grants Specialist](#) 6 months prior to the grant application deadline. Your organization must be deemed eligible prior to the grant application deadline.
 Yes

Section 3: Project Information

Pre-application Scoping Meeting

| | |
|-----------------------------|---|
| Wisconsin DNR Staff Name(s) | Date |
| Pamela Toshner | 06/30/2022 |
| |  |

Surface Water Grant Application

| | | | | Proposed Start Date | | Proposed End Date | |
|-------------------|--|---------------------------------|--|---|---|-------------------|--------|
| | | | | March 15 | 2023 | December 31 | 2023 |
| | | | | (Start Date) | (Year) | (End Date) | (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 | | |
| Long Lake | 2106800 | 3,290.00 | <input checked="" type="radio"/> Yes <input type="radio"/> No | 4 | 34 | | |

Project to be implemented on state land Regional project serving multiple waterbodies

County(ies)

| State Senate District No.(s) | State Assembly District No.(s) |
|--|--|
| 25 | 75 |

| Project location. If applicable, include a location for each practice (ex. filter strip, shoreline restoration, etc.) | Quarter | Quarter-Quarter | Section | Township (N) | Range | E or W |
|---|---------|-----------------|---------|--------------|-------|--|
| Long Lake | NE | NE | 16 | 38 N | 11 | <input checked="" type="radio"/> E <input type="radio"/> W |

None of the project activities identified within this application are necessary to comply with a regulatory action per [NR 193.54](#).

Laboratory Analysis

Does this project include Laboratory sample analysis (if applicable)? Yes No

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

- State Lab of Hygiene
- Other Program-Approved Lab: _____
- Other: _____

If the lab you intended to use is not available within the dropdown list, you must contact biologist prior to the application deadline to discuss if feasible.

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 |
|-------------|--------|---|----------------|
| | | | |

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 |
|---|--|-------------------|
| - Tomahawk Scout Camp | 120 volunteer hrs; meeting/storage space | \$1,200.00 |
| - Tomahawk Scout Camp | Meeting and storage space | |
| - Eric Olson - UWSP Extension Lakes | Assistance and support | |
| - Hunt Hill Audobon Society | Unspecified volunteer time | |
| - Lisa Burns - Washburn County | Educational workshops | |
| - Washburn County Lakes & Rivers Assoc. | 20 volunteer hrs | \$200.00 |

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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? | |
|---|----------------------------------|-------------------------------|-------------------------|-------|------------|--------------|-----------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> Shoreland Habitat Assessment - 2023 | 2.a. | Consultants/Contractual | cash | hr | 25 | \$ 80.000 | \$ 2,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 2. Shoreland Habitat Assessment - 2023 | 2.a. | Personnel | donation | hr | 150 | \$ 12.000 | \$ 1,800.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 3. Shoreland Habitat Assessment - 2023 | 2.a. | Personnel | donation | hr | 150 | \$ 10.000 | \$ 1,500.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 4. Education/Capacity Building Events | 1.c. | Consultants/Contractual | cash | hr | 25 | \$ 80.000 | \$ 2,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 5. LL Comprehensive Plan - writing 2023-24 | 1.a. | Consultants/Contractual | cash | hr | 175 | \$ 80.000 | \$ 14,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 6. LL Comprehensive Plan - revisions per committee feedback | 1.a. | Consultants/Contractual | cash | hr | 25 | \$ 80.000 | \$ 2,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 7. LL Comprehensive Plan Public Input Process | 1.a., 1.c. | Consultants/Contractual | cash | hr | 15 | \$ 80.000 | \$ 1,200.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 8. LL Comprehensive Plan Review Process w/ DNR | 1.a. | Consultants/Contractual | cash | hr | 20 | \$ 80.000 | \$ 1,600.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 9. Finalize LL Comprehensive Plan | 1.a. | Consultants/Contractual | cash | hr | 15 | \$ 80.000 | \$ 1,200.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 10. GIS Mapping | 1.a. | Consultants/Contractual | cash | hr | 20 | \$ 80.000 | \$ 1,600.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 11. Printing and Supplies | 1.a., 1.c. | Consultants/Contractual | cash | misc. | 1 | \$ 500.000 | \$ 500.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 12. Healthy Lakes and Rivers outreach/workshops | 2.a. | Consultants/Contractual | cash | hr | 25 | \$ 80.000 | \$ 2,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 13. Social Survey - construction, distribution, analysis | 2.b. | Consultants/Contractual | cash | hr | 25 | \$ 80.000 | \$ 2,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 14. Social Survey - assistance and distribution | 2.b. | Personnel | donation | hr | 25 | \$ 10.000 | \$ 250.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 15. General Grant Administration | | Consultants/Contractual | cash | hr | 25 | \$ 80.000 | \$ 2,000.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 16. Social Survey - postage and printing | 2.b. | Supplies & Operating Expenses | donation | misc. | 1 | \$ 1,500.000 | \$ 1,500.00 | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> 17. LL Comprehensive Plan - committee review | 1.a. | Personnel | donation | hr | 40 | \$ 10.000 | \$ 400.00 | <input type="checkbox"/> | |
| | | | | | | | Subtotal | \$ 37,550.00 | |
| | | | | | | | Total Project Cost Estimate | \$ 37,550.00 | |
| | | | | | | | Administration | \$ 2,000.00 | |
| State Share Requested cannot exceed Cash Cost Subtotal | | | | | | | Eligible State Share | \$ 25,000.00 | |
| | | | | | | | Grant Award Request | \$ 25,000.00 | |

Add row

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

[Refresh Budget](#)

| Cost Category | A. Cash Costs | B. Donated Value |
|------------------------------------|---------------|------------------|
| 1. Personnel | \$ | \$ 3,950.00 |
| 2. Employee Benefits | \$ | \$ |
| 3. Travel | \$ | \$ |
| 4. Equipment | \$ | \$ |
| 5. Supplies & Operating Expenses | \$ | \$ 1,500.00 |
| 6. Consultant/Contractual | \$ 32,100.00 | \$ |
| 7. Construction | \$ | \$ |
| 8. Other (ex. Acquisition) | \$ | \$ |
| Subtotals | \$ 32,100.00 | \$ 5,450.00 |
| Total Project Cost Estimate | \$ 37,550.00 | |
| Administration | \$ 2,000.00 | |
| Grant Award Request | \$ 25,000.00 | |
| Grantee Share | \$ 12,550.00 | |

Grantee Share Percent: 33%

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 |
|---------------------------------|--------------------------|---|
| LL Comprehensive Plan - writing | Flat Rate | This is the flat rate for hourly services of the Science Director as contracted with the Northwest Regional Planning Commission |

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Section 6: Attachments (check all that are included)

- Authorizing resolution (required).
- Letters of financial support specifying cash or donated value.
- Map of project location, public access, public land and other use and access features (required).

Section 7: Certification

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.

Signature of Authorized Representative _____

Date Signed _____

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

Section 8: Project Description

Pre-application

A. Brief Project Summary (2-3 sentences)

Provide a short description of the overarching goals of the project and/or work that will be completed during the grant period. This may be used in program promotional materials if the grant is awarded.

The goal of this project is to write a comprehensive lake management plan for Long Lake to guide the Long Lake Preservation Association (LLPA) in meeting its goals of monitoring the condition of Long Lake, implementing strategic management methods, providing education to its constituents, and developing capacity building strategies. The plan will include specific, measurable, attainable, relevant, and time-based (SMART) goals and objectives to guide the LLPA through project implementation.

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. For AIS projects, also briefly describe how the site and project will address priorities for AIS prevention.

Long Lake is located in the southeast corner of Washburn County in the Brill and Red Cedar Rivers Watershed within the Lower Chippewa River Basin. The lake is large (3,290 acres) and irregularly shaped with long, narrow sections and numerous bays. Long Lake is a hard water, drainage lake housing a two-story fishery with a maximum depth of 74 feet and an average depth of 26 feet. The Brill and Red Cedar Rivers watershed (297.68 square miles) is primarily forested (49.4%), agricultural (20.3%), with a mix of grassland (10.7%) and other uses (19.6%). However, Long Lake is located at the headwaters of the Brill River where most of the land is forested. The shoreline is relatively developed, but the canopy is largely intact around the lake. Additionally, Camp Tomahawk (Indianhead Scout Camps Inc) owns nearly 42,000 acres of land around the lake, totaling almost 8.5 miles of shoreline that cannot be developed. The lake is popular for fishing, paddling, boating, and other forms of recreation throughout the year. The public can access the lake through 4 public boat landings with approximately 34 car/trailer parking spots (see attached map). There is additional access through resorts and private boat launches. The LLPA plans to address boat launch improvements and access features in the forthcoming comprehensive plan. Long Lake has 32 Sensitive Areas where fish and wildlife habitat, features protecting water quality, natural shorelines, and navigation thoroughfares are most vulnerable to impacts from human activity (see attached map). Volunteers monitor water quality at 6 sites in the lake (see attached map). Long Lake is at a critical point where human impacts and natural processes warrant plans for addressing restoration, preservation, and enhancement of its water quality, shoreline, and watershed.

C. Problem Statement

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

Long Lake (LL) may be reaching a tipping point where it is no longer resilient to threats like shoreland development and climate change. While it is classified as an Outstanding Resource Water (1990s) and a High-Quality Water (2022), in 1996 it was noted that LL is susceptible to phosphorus loading and should receive a high priority for protection management, and as of 2014 it was included and remains on the Impaired Waters List for high nutrients and eutrophication. The HUC12 watersheds that drain to LL are also teetering between protection and restoration with 1 (Upper Brill River) of 3 being a Healthy Watershed protection priority, and the White Ash - Sissibagama and Long Lake - Lake Middle Brill watersheds in need of restoration.

In 2020, the LLPA adopted 4 goals as central to the organization: monitoring (AIS, water quality, wildlife, etc.), management (develop and implement best management practices), education and communication (educate lake users and shoreline property owners on the ecology of the lake, management strategies, etc.), and capacity building (build the organizational structure of the LLPA; State of Long Lake Report, 2020). These goals appropriately mirror the needs of the lake. Additionally, a 2021 survey of LL constituents identified excessive plant growth, invasive species, shoreline erosion, and algal blooms as issues in the lake.

The LLPA is contracting with the Northwest Regional Planning Commission to assist the LLPA with grant writing, making management decisions, implementing projects, and building capacity. The Science Director will lead the writing of the comprehensive plan and has been working to build capacity to ensure that the LLPA will have the ability to implement the best management practices recommended in the plan.

D. 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.

E. Project Description and Timeline**X 1. Goals and Objectives **

Goal: The LLPA will produce a comprehensive lake management plan for Long Lake by December 31, 2023.

Objective: The LLPA will use its 4 central goals of monitoring the condition of Long Lake, implementing strategic management methods, providing education to its constituents, and developing capacity building strategies adopted in the 2019 State of Long Lake Report to guide its management planning. These 4 goals will form the basis of specific, measurable, attainable, relevant, and time-based goals to guide the LLPA through future management implementation and capacity building.

X 1.a. Activity 

The Long Lake Science Director (and NWRPC) will write a comprehensive plan for Long Lake that includes the minimum elements for management plans (Surface Water Guide, Appendix B) and is guided by the 4 goals of the LLPA and input from its constituents. This plan will be completed by December 31, 2023.

Method and Data Collected 

In writing the comprehensive plan, the LLPA will follow the guidelines described in the 2022 DNR Surface Water Grant Applicant Guide. The minimum elements to be included are the baseline data and assessment, management, alternatives and decisions, broader impacts, and implementation. Setting goals and recommendations for building capacity, restoration, and protection and major priorities of the LLPA, and this plan will include a proportionate look into best management practices that are appropriate for the watershed, shoreland, and in-water aspects of Long Lake. An analysis of management alternatives and broader impacts will be used to assess the appropriateness and need for each management recommendation. The implementation part of the plan will use the 4 goals of the LLPA and SMART goal structure to ensure that implementation corresponds to the goals and capacity of the LLPA, the public, and the WDNR for the foreseeable future.

Deliverable and Outcomes 

The LLPA will provide all data associated with the comprehensive plan, including maps, water quality data, miscellaneous news releases, AIS monitoring data, Clean Boats Clean Waters data, PDFs of surveys, PDFs of meeting/workshop agendas, lake shoreland habitat parcel data and photos, lake woody habitat data, capacity building tools, a final copy of the plan, and all other relevant information collected as part of the planning process.

X 1.b. Activity 

The Long Lake Science Director has been working to build capacity with the LLPA. The Science Director has used recommendations from UW Extension Lakes to develop a capacity building and organizational structure plan, skills gap analysis, position descriptions for board members, committee descriptions, and board member evaluations. These documents have been approved and adopted by the LLPA. Continuing to build on this momentum and include more capacity building strategies complements the LLPA goals of education and capacity building. The LLPA should incorporate capacity building (2) and educational (2) events into their current activities. These efforts will enhance the LLPA's capacity, and thus its effectiveness to implement BMPs in the comprehensive plan. The events should take place alternating through the summer of 2023 when the most people are available to attend in-person events.

Method and Data Collected 

The Long Lake Science Director will create/assemble presentations and educational materials to present in public meetings. Meetings may be more or less informal as the situation warrants. The Long Lake Science Director and the LLPA President are members of Lake Leaders Crew 14 and will include information and resources gained from participating in Lake Leaders events. Extension Lakes resources and communications will be a primary source for capacity building and educational materials.

Deliverable and Outcomes 

During the grant cycle, PDFs of all meeting agendas and notes with organizer, date, time, and location will be submitted.

Add
Activity

X 2. Goals and Objectives [Add Goal](#)

Goal: The LLPA will collect background data to strengthen management recommendations in the Comprehensive Plan.

Data collection should include a Shoreland Habitat Assessment and Coarse Woody Habitat Survey, as well as a social survey to assess capacity and views on lake management.

X 2.a. Activity 

The results of a Shoreland Habitat Assessment with a Coarse Woody Habitat Survey will be used to inform/recruit people for Healthy Lakes & Rivers projects and will be included in the comprehensive plan to make the best possible management recommendations. These surveys should be conducted in summer 2023 when shoreland properties are most active. Shoreland monitoring results will be used to inform/recruit people for Healthy Lakes & Rivers projects. Included in the comprehensive plan will be future shoreland surveys to understand and address trends in shoreland development and a focus on development adjacent to Sensitive Areas.

Method and Data Collected 

The Lake Shoreland & Shallows Habitat Monitoring Field Protocol will be used to assess the riparian habitat, coarse woody habitat, and to do a photo loop of Long Lake. Volunteers will be trained by the Science Director to conduct these assessments. Volunteers will donate personal time and boat use to collect the data, and the Science Director will enter the data and deliver a report.

Deliverable and Outcomes 

All lake shoreland habitat parcel data and lake woody habitat data will be entered into the provided Excel templates. The lake shoreland habitat GPS-referenced photos will also be included in the deliverables. An assessment of the findings from the surveys will be used to make management recommendations in the final, deliverable comprehensive plan as well. Recommendations may include Healthy Lakes participation and/or participation in using the Shoreland Tool.

X 2.b. Activity 

A social survey will provide valuable insight into shoreline property owners' views on the condition of Long Lake, lake management strategies, and involvement in management activities. The results of the survey will be used to guide management recommendations and capacity building strategies.

Method and Data Collected 

The LLPA will use a modified version of the Wisconsin Lake Shoreline Property Owner Survey that was originally distributed by UW Extension Lakes. The survey will be sent to shoreline property owners using constant contact emails and an online format. The LLPA has successfully used this method in previous surveys.

Deliverable and Outcomes 

The LLPA will provide a summary of the survey results and the raw data. These results can be compared to the statewide and northern region results from the original Extension survey, providing valuable data and insights into change over time and localized values/beliefs.

[Add Activity](#)

F. Complementary Management

Describe how the project complements other management efforts. Is the project actively engaged with efforts connected to but different from the grantees own? Consider connections to County Land and Water Resources Management Plans, Total Maximum Daily Load (TMDL) implementation plans, 9 key element plans or other prevention or implementation efforts.

The Long Lake Comprehensive Management Plan (LLCMP) will actively support efforts by other plans and groups to improve water quality. The Red Cedar 9 Key Element Plan 2021-2025 was written specifically for Lakes Tainter and Menomin, which are located at the lower end of the Red Cedar River, necessitating that geographic areas much farther upstream, like Long Lake, must be included. The 9 Key Element Plan sets goal TMDL phosphorus limits for Slim Creek-Long Lake watershed at 2777 lbs/yr and for Long Lake watershed at 5328 lbs/yr. The LLPA will be implementing Healthy Lakes and watershed best management practices (BMPs) and will use the Red Cedar 9 Key Element Plan TMDL goals as a benchmark for nutrient management and monitoring.

The efforts of the LLPA to provide AIS education, monitoring, prevention, and control and to enhance recreational areas and improving access are supported by the Washburn County Land and Water Resource Management Plan 2017-2027. Goal 4 of the plan focuses on Lake and Stream Protection, including AIS education, prevention, and control, as well as shoreline restoration. These aspects are primary concerns for the LLPA. The LLCMP will include specific actions to compliment this goal, such as CBCW, AIS monitoring, investigating the possibility of an Aquatic Plant Management Plan, designing an AIS Rapid Response Plan, and putting on education events with Lisa Burns (Washburn County AIS Coordinator) and other consultants. Goal 4 also recognizes increasing Native Shoreline Restoration and Lake Shore Protection in Washburn County. The LLCMP will include goals related to identifying areas for restoration and protection using the Shoreland Tool and a shoreline habitat assessment and then implementing Healthy Lakes BMPs in recommended restoration areas. Lastly, Goal 7 of the Washburn County Plan is to enhance recreational areas and improve access; the LLPA will include an investigation into improving lake access by improving boat launches.

G. 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.

Tomahawk Scout Camp - 120 volunteer hours, meeting space, and access to indoor storage (see attached)

Washburn County Lakes and Rivers Association - 20 volunteer hours (see attached)

Lisa Burns - Washburn County AIS Coordinator - educational workshops (see attached)

Eric Olson - University of Wisconsin Stevens Point - technical assistance, data, and other information (see attached)

Hunt Hill Audubon Society - unspecified volunteer time (see attached)

H. Appropriateness and Need

Provide reasoning for why the project is appropriate and necessary. Include information on how the project was scaled and scoped to effectively address the management challenge. Make a case for why the work is unique and necessary, especially when there is any duplication of work occurring less than 5 years ago.

Long Lake has not had a comprehensive management plan for over 20 years, and all other plans are now outdated. Current management challenges include shoreline development, watershed development, eutrophication, sedimentation, AIS, educating constituents on lake stewardship, and capacity building. A comprehensive plan is necessary to address these challenges by analyzing the implementation of best management practices through the lens of Long Lake. Beyond developing a plan to address the scope of ecological issues, including elements of education and capacity building within this grant application AND in the comprehensive plan build overall lake stewardship and the ability to implement practices recommended in the plan.

Long Lake was predicted to degrade due to eutrophication caused by excess phosphorus in 1996, and it has since been listed as Impaired. Efforts to reduce nutrient and sediment inputs to combat eutrophication also support the Red Cedar River Basin 9-Key Element Plan. A holistic approach to address watershed, shoreland, and in-water issues is necessary to restore the lake and to prevent further degradation.

Currently, the LLPA is well-positioned with the help of the Science Director and the Northwest Regional Planning Commission to pursue ambitious projects. Long Lake's history as a leading group in lake management, coupled with its popularity for recreation and position on the landscape make it a highly valuable resource to the area and to the State. A comprehensive plan with the LLPA's 4 main goals structured around specific, measurable, attainable, relevant, and time-based objectives will provide a valuable framework for restoring, preserving, and enhancing Long Lake into the future.

I. Broader Impacts

Describe how stakeholders will participate in the project. Detail commitment and capacity to implement, if relevant. Include how project results will be shared with the broader community. Will there be public meetings, hearings, workshops, press releases?

The Long Lake Comprehensive Management Plan and its associated projects and plans will include stakeholders in decision making, broader community participation in reviewing and implementing the plan, and disseminating the information through various mediums. Stakeholders, including Hunt Hill, Camp Tomahawk, Washburn County, Washburn County Lakes and Rivers Alliance, and others will be looked towards for input on the plan, expertise in different areas, and for assistance in sharing and implementing the plan. The LLPA has also put considerable efforts into capacity building and organizational structure so that the group can successfully write, share, and implement the plan. The LLPA's consultant with the NWRPC has initiated reorganization and restructuring of the LLPA to meet its goals. To date, the LLPA has performed an evaluation of board members to know where the organization is exceptional and where it lacks, posted job descriptions of each board position and committees so that members understand their roles, developed a fundraising strategy, adopted a capacity building strategic plan, and performed a skills gap analysis to assess members and constituents for valuable and useful skills related to organization, monitoring, ecological knowledge, and interest in enhancing various skills and volunteer work. These tools, as recommended and developed by UW-Extension, have helped the LLPA form a strong plan for the future of the lake, as well as given them the capacity to apply begin implementing actions recommended in the comprehensive plan immediately and to apply for an Implementation grant in the following grant cycle to assist in supporting the staff person and implementing larger projects within the plan. The plan, its subsequent documents, and other project results will be shared via the LLPA website, through their constant contact tool, at public meetings, and in the LLPA's biannual newsletters.

J. Other

To date, the LLPA has used recommendations from UW Extension Lakes to develop a capacity building and organizational structure plan, skills gap analysis, position descriptions for board members, committee descriptions, and board member evaluations. These actions and project plans, in addition to efforts to reorganize the LLPA's committees, enhance the LLPA's capacity and effectiveness. The Sustainability and Capacity Building Committee has been reorganized to include a diverse Grant Subcommittee to collaborate with the Science Director in the planning process. Within the plan, further capacity assessments (a skills gap analysis of all LLPA members, reissuing board member evaluations, and engaging internal and external stakeholders) will be used to guide capacity recommendations and build capacity where it may be lacking.

As an Impaired waterbody, the comprehensive plan must address watershed conditions that affect Long Lake. A monitoring and modelling strategy using CLMN protocols to determine pollution sources will be addressed in the plan. Strategies to address nonpoint sources of pollution in the plan include a survey of property septic systems and potentially a mini-piezometer groundwater monitoring program to determine where phosphorus-rich groundwater may be coming into the lake and its possible sources for mitigation. The intention of the comprehensive plan is to assess in-water conditions and identify management recommendations that will protect or restore Long Lake.