

Appendix F - Outside Resources to Aid Implementation and Evaluation of the 2024-28 Minong Flowage Aquatic Plant Management Plan

1.1 Washburn County Land and Water Conservation

The mission of Washburn County SWCD is to provide competent, professional services in the planning, design, and implementation of programs and projects that protect, restore, and sustain the soil and water resources of Washburn County.

<https://www.douglascountywi.org/205/Extension>

1.2 Washburn County Zoning

The purpose of the Washburn County Zoning Department is to administer specific programs and ordinances that contribute to the general welfare, safety, health and economy of the county and its citizens. Those programs include comprehensive and shoreland zoning, floodplain zoning, subdivision control, nonmetallic mining oversight and the regulation of private onsite wastewater treatment systems (POWTS).

<https://www.co.washburn.wi.us/departments/zoning>

1.3 Washburn County Forest

The mission of the Washburn County Forest is to manage and protect its natural resources on a sustainable basis. The County Forest is operated under the direction of the 15-year County Forest Comprehensive Land Use Plan. The 15-year County Forest Comprehensive Land Use Plan is set through the input of Washburn County, the State of Wisconsin, local townships, public input and various other groups. The 15-year County Forest Comprehensive Land Use Plan sets policy on all actions conducted on the County Forest. This plan is vital because it involves the public in how the County Forest is managed.

Included in the 15-year County Forest Comprehensive Land Use Plan is the Road and Access Plan. This plan regulates motorized access on the County Forest. This plan allows for areas of no motorized access, areas of limited motorized access, and areas open to motorized uses. This plan alleviates some of the conflicts between motorized and non-motorized users.

The Forestry Department controls timber harvest on land owned by the County, and provides services to private landowners looking to set up harvests.

<https://www.co.washburn.wi.us/departments/forestry/>

1.4 Douglas County Land Conservation

The mission of the Douglas County Land Conservation is to administer the Douglas County Land & Water Conservation Program to meet local priorities and the needs of Douglas County at the direction of the Land Conservation Committee implementing the Douglas County Land & Water Resource Management Plan and utilizing the Wisconsin Soil & Water Resource Management Program to conserve the County's natural resources. Responsibilities include:

- Establish goals and standards for conservation of soil and water resources.
- Provide cost-sharing, technical assistance, and educational programs to conserve soil and water resources.
- Encourage coordinated soil and water conservation planning and program implementation.
- Enable the regulation of harmful land use and land management practices by county ordinance.
- Preparation of a Land and Water Resource Management Plan.

<https://www.douglascountywi.gov/305/Land-Conservation>

1.5 Douglas County Forestry, Parks, and Recreation

The mission of the Douglas County Forestry Department is to enhance the quality of life in the county by ensuring long-term health, viability, and productivity of County Forest lands, and providing many diverse recreational opportunities to our residents and visitors that meet the needs of current and future generations. It's primary responsibilities on behalf of Douglas County residents include:

- Provide stewardship of forest resources.
- Develop and maintain recreational opportunities.
- Serve as an informational resource to the public.

Management must balance local needs with broader state, national, and global concerns by integrating sound forestry practices related to wildlife, fisheries, endangered resources, water quality, soil, and recreation. County forest resources should be protected from natural catastrophes such as fire, insect and disease outbreaks, and human threats such as encroachment, over-utilization, environmental degradation, and excessive development. Forest resources are managed for environmental needs such as the protection of watersheds, rare plant and animal communities, as well as, the maintenance of plant and animal diversity. These same resources, however, also must provide for societal needs including recreational opportunities and production of raw materials for wood-using industries.

<https://www.douglascountywi.gov/211/Forestry-Parks-Recreation>

1.6 Douglas County Planning and Zoning

The mission of the Planning and Zoning Department is to protect the public interest and our natural resources by the administration of land use policies and ordinances emerging from comprehensive plans. To do this the Department provides assistance to citizens, elected officials, and partners to guide decision-making, and enhances staff capabilities, operational processes, and collaboration with County departments and outside agencies.

<https://www.douglascountywi.gov/327/Planning-Zoning>

1.7 Washburn County Lakes and Rivers Association

The purpose of the WCLRA is to promote the environmental protection and responsible use of Washburn County surface waters and their attendant wetlands, shorelands and wildlife resources. They do that by sharing ideas and information through education and active participation for the benefit of individual property owners, lake and river districts and associations, local government, the general public, future generations, and the waters themselves.

Current projects include:

- Support Washburn County's Aquatic Invasive Species (AIS) program.
- Participate in organizing the Northwest Wisconsin Lakes Conference.
- Regularly monitor and comment on both county and state governmental actions.
- Support the Youth Environmental Stewardship (YES) program, in cooperation with Hunt Hill Audubon Sanctuary and the Long Lake Preservation Association, that provides hands-on environmental educational experiences for local elementary school students.
- Reach out to new shoreland owners, offering assistance with lake-related issues and providing free On the Waterfront newsletters for their first year.

<https://wclra.org/>

1.8 County UW-Extension Department

Extension works alongside the people of Wisconsin to improve lives and communities. Extension educators don't lecture or give grades in a typical classroom. Instead, they deliver education where people live and work – on the farm, in schools and community centers. Extension educators also speak to civic groups and county boards, write newspaper columns, do radio and TV programs, facilitate meetings, and build coalitions to solve community problems.

With an office in each Wisconsin county and faculty on UW Campuses, Extension develops practical educational programs tailored to local needs and based on university knowledge and research. It's making a measurable difference in three tribal nations and in all 72 counties in the state, as each county and other organizations put their own great ideas into practice with the essential support of Extension expertise, resources and research.

<https://www.co.washburn.wi.us/departments/uw-extension>

1.9 Center for Watershed Science and Education

The Center for Watershed Science and Education (CWSE) at UW-Stevens Point supports watershed understanding and stewardship across and beyond the state of Wisconsin. The center includes specialists with expertise in groundwater, lakes, streams, water chemistry and analysis, and data science. The center helps individuals, organizations and private and public water resources professionals understand water quality and quantity in private wells, groundwater, lakes and rivers. Through their

programming, center staff provides guidance on sampling and data collection, education on water quantity and quality, and interpretation and evaluation of monitoring results. The center also performs applied research and creates data visualization tools to improve watershed understanding.

Current research explores the movement of nitrate-nitrogen in soil and groundwater, the quantity and chemistry of groundwater, changes in lake water quality and the occurrence of pharmaceuticals and new pesticides in the water.

<https://erc.cals.wisc.edu/programs/center-for-watershed-science-and-education/>

1.10 Center for Limnological Research and Rehabilitation

The Center for Limnological Research and Rehabilitation (CLRR) at UW-STOUT focuses on eutrophication issues and management solutions for freshwater systems. They provide limnological research services to the surrounding community, including: diagnosing eutrophication-related problems in lakes and reservoirs; conducting comprehensive hydrologic and limnological monitoring programs; identifying and quantifying important phosphorus sources that drive cyanobacterial blooms; and developing and implementing management plans to sustainably rehabilitate degraded aquatic systems.

Their laboratory facilities provide an array of analytical capabilities for the examination of nutrients (primarily phosphorus species) and algae in water and sediment. They have a variety of field monitoring equipment for quantifying tributary flow and phosphorus loads discharging into lakes, boats and sampling equipment for monitoring lake chemistry and biology, and coring capabilities for the examination of aquatic sediment. In particular, they have unique expertise for determining important mobile phosphorus fractions in aquatic sediments and nutrient exchanges between sediments and the overlying water.

<https://www.uwstout.edu/directory/center-limnological-research-and-rehabilitation>

1.11 Natural Resources Education Program

NRE Water Programming - Leading and facilitating water quality projects across the state

Natural Resource Educators (NRE) are providing leadership on nutrient reduction and water quality projects across the state. Key efforts include outreach to increase local capacity to reduce nonpoint source pollution in the Lower Fox, Wisconsin, St. Croix, Red Cedar and Rock River watersheds and the Lower Fox River Demo Farm Network initiative. Projects are carried out in collaboration with federal, state and local partners as well as producer-led watershed initiatives. The Demo Farm initiative works with farmers and their advisers to conduct on-farm demonstrations that measure and share the effectiveness of conservation practices to reduce erosion and sediment runoff, control phosphorus runoff and address other nonpoint sources of pollution.

NRE Forestry Programming - Engaging private woodland owners to encourage sustainable forest management.

ERC-based Natural Resources Educators and key partners are leading classes (Learn About Your Land and Your Land, Your Legacy) and other efforts to engage landowners in the sustainable management of

Wisconsin's privately-owned forests. NREs create content for landowners on a variety of topics in publication, video, and website formats.

<https://erc.cals.wisc.edu/programs/regional-natural-resources-education-program/>

1.12 Aquatic Invasive Species Outreach

Wisconsin's aquatic invasive species (AIS) program focuses on preventing the introduction of new invasive species to Wisconsin, containing the spread of invasives that are already in the state, and managing established populations when possible. In close cooperation with the Wisconsin Department of Natural Resources and Extension Lakes program, UW–Madison Division of Extension education efforts focus on working with resource professionals and citizens statewide to teach boaters, anglers and other water users the steps they should take to prevent transporting aquatic invasives to new waters. Efforts also address other potential mechanisms of introduction, including aquarium pet release and water gardening.

<https://erc.cals.wisc.edu/programs/aquatic-invasive-species-outreach/>

1.13 UW-Extension Lakes Program

Based at UW-Stevens Point, the Extension Lakes Program seeks to preserve Wisconsin's legacy of lakes through education, communication and collaboration. The program works with over 800 local lake associations and lake districts in Wisconsin, assisting them through education and capacity building. Lakes also partners with the Wisconsin DNR to coordinate a number of programs and projects to assist those concerned with the future of our lakes, including the Citizen Lake Monitoring Network, the Clean Boats, Clean Waters program and the Lake Leaders Institute. The *Lake Tides* newsletter reaches thousands of readers throughout the region.

<https://erc.cals.wisc.edu/programs/extension-lakes-program/>