

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NKE88

Name: Muskego-Wind Lakes PWS Plan - Nine Key Element Plan

Type: Water Quality Planning

Subtype: Priority Watershed Plan

Status: COMPLETE

Start Date: 10/1/1993

End Date: 12/31/2015

Purpose: The Muskego-Wind Lakes Priority Watershed Project plan assesses the nonpoint sources of pollution in the Muskego-Wind Lakes Watershed and guides the implementation of nonpoint source control measures. These control measures are needed to meet specific water resource objectives for the Muskego-Wind Lakes Priority Watershed Project area. The purpose of this project is to reduce the amount of pollutants originating from nonpoint sources that reach surface water and groundwater within the Muskego-Wind Lakes Priority Watershed Project area.

All of the lakes exhibit excessive aquatic weed and algae growth and provide abundant habitat for carp and bullhead. Warming of lake temperatures, periodic low dissolved oxygen levels and discharge of organic matter are other conditions impairing fish habitat. Turbidity in the lakes and channels is intensified by relatively high numbers of bottom-feeding fish.

Past municipal wastewater discharges have contributed to heavy organic nutrient loads to Big Muskego and Wind Lakes. Currently, municipal wastewater is diverted outside of the watershed, but the impacts of past abuses have continuing effects as nutrients in bottom sediments are resuspended with each seasonal overturn. There are no known industrial wastewater discharges in the watershed.

Objective: The goals and objectives of this plan focus on achieving optimum biological and recreational uses in the Muskego-Wind Lakes and their tributary streams. They provide the basis for prescribing nonpoint source pollution control best management practices and the criteria by which water quality improvements will be evaluated when the project is completed. The primary objective of the project is to reduce nonpoint source pollution to the surface water and groundwater, and to enhance and protect the water quality of streams in the Muskego-Wind Lakes Watershed.

Comments:

Outcome: Water resource goals and objectives are presented below:

- 1) Protect/improve recreational and aesthetic value by decreasing the growth of nuisance algae and aquatic plants.
- 2) Protect/improve swimmable waters by increasing water clarity.
- 3) Enhance fish and wildlife habitat.
- 4) Maximize fisheries potential.
- 5) Reduce the outflow of sediments and nutrients to other water bodies.
- 6) Re-establish aquatic plant growth.
- 7) Enhance habitat for endangered species and waterfowl.

Study Design: http://dnr.wi.gov/topic/nonpoint/documents/9kep/expired/Muskego_Wind_Lakes-Plan.pdf

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
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Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Nine Key Element Plan	Muskego-Wind Lakes PWS Plan - Nine Key Element Plan - The Muskego-Wind Lakes Priority Watershed Project plan assesses the nonpoint sources of pollution in the Muskego-Wind Lakes Watershed and guides the implementation of nonpoint source control measures. These control measures are needed to meet specific water resource objectives for the Muskego-Wind Lakes Priority Watershed Project area. The purpose of this project is to reduce the amount of pollutants originating from nonpoint sources that reach surface water and groundwater within the Muskego-Wind Lakes Priority Watershed Project area.	10/1/1993	12/31/2015	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
BMP Implementation			
Degraded Biological Community			
I & E Activities			
Permit Modification			
Products Developed: Stormwater Plan			
Report Writeup			
Stormwater Goals Addressed: Reduce TSS			
Streambank & Shoreline Protection: Pollutant load reduction			
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			
Watershed Outreach, Planning			

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
762400	1	Big Muskego Lake	Big Muskego Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Wisconsin Department of Natural Resources SWIMS Project Summary

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
Nonpoint Source Control Plan for the Muskego-Wind Lakes Priority Watershed Project	The Muskego-Wind Lakes Priority Watershed Project plan assesses the nonpoint sources of pollution in the Muskego-Wind Lakes Watershed and guides the implementation of nonpoint source control measures. These control measures are needed to meet specific water resource objectives for the Muskego-Wind Lakes Priority Watershed Project area. The purpose of this project is to reduce the amount of pollutants originating from nonpoint sources that reach surface water and groundwater within the Muskego-Wind Lakes Priority Watershed Project area. https://dnr.wi.gov/topic/nonpoint/documents/9kep/expired/Muskego_Wind_Lakes-Plan.pdf	Kent Taylor	10/1/1993	

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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