

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1566-15

Name: FRIENDS OF MOOSE LAKE: Comprehensive Lake Management Plan - Moose Lake

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 2/15/2015

End Date: 6/30/2018

Purpose: The Friends of Moose Lake is sponsoring a project to complete a Lake Management Plan. Project goals include: 1) Research/compile existing physical, biological, and social data to compare with newly collected data; 2) Collect new water quality data to meet objectives of WISCALM Tier 1 baseline monitoring strategy; 3) Assess aquatic macrophyte community condition; 4) Include stakeholders in management planning, data collection/monitoring, and education events; 4) Survey residents for recreational and lake concerns; 5) Begin long-term water level monitoring; 6) Determine current status of the lake\2019s fish population and angler satisfaction levels; 7) Review local institutional programs; 8) Assess shoreline condition collecting development density information, presence/absence of fish and wildlife critical habitat and in-lake course woody structure; 9) Analyze land-use and identify potential critical sites of nutrient/sediment loads within the lake watershed.

Project deliverables include: 1) Summary of lake user survey results; 2) Project related newsletter article(s); 3) Summary of water level data for 2 field seasons; 4) Summary of water quality lab chemistry results; 5) Point-intercept aquatic macrophyte data and frequency in table form; 6) Angler diary information compiled into a visual summary; 7) Map of immediate watershed with potential critical areas identified; 8) Final written comprehensive lake management plan with management recommendation; 9) Listing and map of shore land management ranks per parcel; 10) Written review of the county resource management plan and sharing of project results for incorporation into county plan updates; 11) Final report and close out materials, including budget items.

Specific project conditions: semi-annual progress reports submitted to WDNR; WDNR review of draft Lake Management Plan; The WDNR will be provided electronic and hard copies of all data and or reports/plans generated as a result of this project.

Objective:**Comments:** Grantee is FRIENDS OF MOOSE LAKE**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Friends Of Moose Lake,	GRANT_RECIPIENT	ACTIVE	3/11/2015		Friends Of Moose Lake	
Kreitlow, James D	COORDINATOR	COMPLETE	3/11/2015	8/29/2020	Wisconsin DNR	
Scholl, Carolyn	TEAM_MEMBER	ACTIVE	4/7/2015		Vilas County	

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	The Friends of Moose Lake is sponsoring a project to complete a Lake Management Plan. Project goals include: 1) Research/compile existing physical, biological, and social data to compare with newly collected data; 2) Collect new water quality data to meet objectives of WISCALM Tier 1 baseline monitoring strategy; 3) Assess aquatic macrophyte community condition; 4) Include stakeholders in management planning, data collection/monitoring, and education events; 4) Survey residents for recreational and lake concerns; 5) Begin long-term water level monitoring; 6) Determine current status of the lake\2019s fish population and angler satisfaction levels; 7) Review local institutional programs; 8) Assess shoreline condition collecting development density information, presence/absence of fish and wildlife critical habitat and in-lake coarse woody structure; 9) Analyze land-use and identify potential critical sites of nutrient/sediment loads within the lake watershed.	2/15/2015	12/31/2017	COMPLETE
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	2/15/2015	12/31/2017	PROPOSED

Monitoring Stations

Station ID	Name	Comments
343153	Moose Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
337600	1	Moose Lake	Moose Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
LM021	LAKE MANAGEMENT PLANNING GRANTS	3/26/2014	6/30/2015

Forms

Form Code	Form Name
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
4/12/2015 11:30	COMPLETE	LPL-1566-15	343153	Moose Lake - Deep Hole
6/14/2015 11:15	COMPLETE	LPL-1566-15	343153	Moose Lake - Deep Hole

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7/12/2015 11:09	COMPLETE	45.07-89.05	343153	Moose Lake - Deep Hole
8/16/2015	COMPLETE	NA	343153	Moose Lake - Deep Hole
10/10/2015 9:45	COMPLETE	NA	343153	Moose Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
Comprehensive Management Plan - Moose Lake, Langlade County, Wisconsin	The intent of this project was to collect baseline information (Tier 1) and develop a comprehensive plan that provides management direction for the lake association so that they may begin to address the various concerns and needs of the lake community while also protecting the lake ecosystem from further degradation. To accomplish this; a social survey of lake users was conducted and investigations of the shoreline habitat, water quality, aquatic plant community, angler habits, the watershed, and soils were completed and appropriate management strategies are offered.	Water Ways, LLC	1/1/2018	
Water Level Gage Location			5/18/2015	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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