

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1526-13

Name: LAKE PEWAUKEE SANITARY DISTRICT: Lake Management Plan

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2013

End Date: 6/30/2020

Purpose: The Lake Pewaukee Sanitary District will hire a contractor to analyze plant survey data collected in the summer of 2011, update the aquatic plant management plan and add two elements to the lake management plan. The final report will contain the following elements: 1) Results of the points sampled, including sediment type found and maximum rooting depth; 2) Results of a general lake survey to map general plant beds, map localized plant beds, map species distribution and a list of plant species found; 3) a table denoting number of sites found for each plant species, overall % frequency, % relative frequency, average density, and relative density; 4) maps showing the lake wide point intercept density for each exotic aquatic plant and the top 5 native aquatic plants; 5) results of the study of possible water level manipulation for the benefit of fish spawning; 6) identification of additional offloading sites with a discussion of feasibility; 7) identification of wetlands and critical sites for future acquisition; 8) results of the water chemistry comparison between the east and west basins of Lake Pewaukee; 9) a discussion of alternatives for aquatic plant management; 10) results of a flow quantification study for stream inlets into Pewaukee Lake; and 11) a summary of 3 public meetings to discuss the update of both the aquatic plant management plan and the lake management plan.

Two paper copies and one electronic copy of the final plan will be provided to the department. Exact details for all deliverables are described in the project description of grant application.

Objective:

Comments: Grantee is LAKE PEWAUKEE SANITARY DISTRICT

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Lake Pewaukee Sanitary Distric	GRANT_RECIPIENT	ACTIVE	6/13/2013		Lake Pewaukee Sanitary District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Lakes Planning Grant		4/1/2013	12/31/2014	PROPOSED
Watershed Mapping or Assessment		4/1/2013	12/31/2014	PROPOSED

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Grant Awarded	The Lake Pewaukee Sanitary District will hire a contractor to analyze plant survey data collected in the summer of 2011, update the aquatic plant management plan and add two elements to the lake management plan. The final report will contain the following elements: 1) Results of the points sampled, including sediment type found and maximum rooting depth; 2) Results of a general lake survey to map general plant beds, map localized plant beds, map species distribution and a list of plant species found; 3) a table denoting number of sites found for each plant species, overall % frequency, % relative frequency, average density, and relative density; 4) maps showing the lake wide point intercept density for each exotic aquatic plant and the top 5 native aquatic plants; 5) results of the study of possible water level manipulation for the benefit of fish spawning; 6) identification of additional offloading sites with a discussion of feasibility; 7) identification of wetlands and critical sites for future acquisition; 8) results of the water chemistry comparison between the east and west basins of Lake Pewaukee; 9) a discussion of alternatives for aquatic plant management; 10) results of a flow quantification study for stream inlets into Pewaukee Lake; and 11) a summary of 3 public meetings to discuss the update of both the aquatic plant management plan and the lake management plan.	4/1/2013	12/31/2014	COMPLETE
Map Invasive Species		4/1/2013	12/31/2014	PROPOSED
Lake Management Plan Development	update	4/1/2013	12/31/2014	PROPOSED
Aquatic Plant Management Plan	Update	4/1/2013	12/31/2014	PROPOSED
Informational Meetings		4/1/2013	12/31/2014	PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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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Fieldwork Events

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Start Date	Status	Field ID	Station ID	Station Name	
Documents					
Title	Description		Author	Published	Comments
Lake Management Plan for Pewaukee Lake. Waukesha County, Wisconsin [Part1]	The Lake Management Plan for Pewaukee Lake (the Plan) is the third comprehensive management plan for this Lake and was developed to provide a set of targeted, specific recommendations to improve Pewaukee Lake, its tributaries, and ecological conditions throughout the watershed. This Plan supplements and builds upon previous plans and recommendations, such as the 1984 and 2003 lake management plans (see sewrpc.org); the 2017 aquatic plant management plan; and studies by the Wisconsin Department of Natural Resources (WDNR), the United States Geological Survey (USGS), and Wisconsin Lutheran College (WLC). Many recommended management measures from the previous editions of this Plan, such as educational programming, acquiring wetland parcels, promoting native aquatic species, and enhanced water quality monitoring, have been incorporated into past and ongoing Lake management practices.		Southeastern Wisconsin Regional Planning Commission	6/1/2020	

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Lake Management Plan for Pewaukee Lake. Waukesha County, Wisconsin [Part2]	The Lake Management Plan for Pewaukee Lake (the Plan) is the third comprehensive management plan for this Lake and was developed to provide a set of targeted, specific recommendations to improve Pewaukee Lake, its tributaries, and ecological conditions throughout the watershed. This Plan supplements and builds upon previous plans and recommendations, such as the 1984 and 2003 lake management plans (see sewrpc.org); the 2017 aquatic plant management plan; and studies by the Wisconsin Department of Natural Resources (WDNR), the United States Geological Survey (USGS), and Wisconsin Lutheran College (WLC). Many recommended management measures from the previous editions of this Plan, such as educational programming, acquiring wetland parcels, promoting native aquatic species, and enhanced water quality monitoring, have been incorporated into past and ongoing Lake management practices.	Southeastern Wisconsin Regional Planning Commission	6/1/2020	
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Lake Management Plan for Pewaukee Lake. Waukesha County, Wisconsin [Part3]	The Lake Management Plan for Pewaukee Lake (the Plan) is the third comprehensive management plan for this Lake and was developed to provide a set of targeted, specific recommendations to improve Pewaukee Lake, its tributaries, and ecological conditions throughout the watershed. This Plan supplements and builds upon previous plans and recommendations, such as the 1984 and 2003 lake management plans (see sewrpc.org); the 2017 aquatic plant management plan; and studies by the Wisconsin Department of Natural Resources (WDNR), the United States Geological Survey (USGS), and Wisconsin Lutheran College (WLC). Many recommended management measures from the previous editions of this Plan, such as educational programming, acquiring wetland parcels, promoting native aquatic species, and enhanced water quality monitoring, have been incorporated into past and ongoing Lake management practices.	Southeastern Wisconsin Regional Planning Commission	6/1/2020	
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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