

# Wisconsin Department of Natural Resources SWIMS Project Summary

## General Project Information

**Project ID:** AEPP47516

**Name:** NORTH & SOUTH TWIN LAKES RIPARIAN ASSN: North & South Twin Lakes Management Planning Project

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Education

**Status:** COMPLETE

**Start Date:** 2/15/2016

**End Date:** 6/30/2018

**Purpose:** North and South Twin Lakes Riparian Association is sponsoring an AEPP grant to study North and South Twin Lakes, in Vilas County. The project will focus on developing a Lake Management Plan (LMP) for North and South Twin Lakes and AIS education and monitoring.

Project activities include: 1) Stakeholder participation \2013 stakeholder survey, planning meetings (up to 2), kick-off meeting, wrap-up meeting, news release(s), and newsletter article; 2) Water quality sampling and analysis; 3) Watershed assessment and P load modeling; 4) Fisheries, Shoreline, and Coarse Woody Habitat assessment; 5) Professional Dreissena monitoring; 6) Aquatic plant surveys (PI survey, early-season AIS survey, EWM peak-biomass, community mapping, and substrate mapping); 7) Volunteer AIS monitoring; 8) Data analysis and Lake Management Plan.

Project deliverables include: 1) Stakeholder survey, news release(s), and newsletter article; 2) Water chemistry data; 3) Watershed maps and modeling data; 4) PI, shoreland and woody habitat data; 5) Aquatic plant community and substrate maps; 6) Aquatic plant vouchers; 7) Lake Management Plan.

Specific conditions for this project: 1) Draft of stakeholder survey needs Dept review and approval; 2) Draft of LMP needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of LMP, news release(s), newsletter article, stakeholder survey, data from PI survey, early-season AIS survey, EWM peak-biomass survey, shoreland assessment, woody habitat assessment, watershed assessment and water quality sampling, all maps from project, all GIS data, and aquatic plant vouchers.

**Objective:**

**Comments:** Grantee is NORTH & SOUTH TWIN LAKES RIPARIAN ASSN

**Outcome:**

**Study Design:**

**QA Measures:**

## People

Name	Role	Status	Start Date	End Date	Organization	Comments
Bailey, Robert G	APPLICANT	ACTIVE	6/2/2016			
Hoyman, Tim	LEAD_EQUIPMENT	ACTIVE	6/2/2016		Onterra, LLC	
North & South Twin Lakes Ripar	GRANT_RECIPIENT	ACTIVE	6/1/2016		North & South Twin Lakes Riparian Association	
State Lab of Hygiene,	LABORATORY	ACTIVE	6/2/2016		State Lab of Hygiene	

## Project Statuses

Date	Reported By	Status	Comments
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Actions						
Action		Detailed Description	Start Date	End Date	Status	
Shoreland Monitoring, Assessment, Inventory		Shoreland Monitoring, Assessment or Inventory	2/15/2016	6/30/2018	PROPOSED	
Grant Awarded		North Twin Lake	2/15/2016	6/30/2018	COMPLETE	
Grant Awarded		South Twin Lake	2/15/2016	6/30/2018	PROPOSED	
Monitoring Stations						
Station ID	Name		Comments			
643140	North Twin Lake - Deep Hole					
643106	South Twin Lake - Deep Hole					
Assessment Units						
WBIC	Segment	Local Name	Official Name			
1623700	1	Twin Lakes	Twin Lakes (South)			
1623800	1	Twin Lakes	Twin Lakes (North)			
Lab Account Codes						
Account Code		Description			Start Date	End Date
Forms						
Form Code		Form Name				
Methods						
Method Code		Method Description				
Fieldwork Events						
Start Date	Status	Field ID	Station ID	Station Name		
5/3/2016 9:45	COMPLETE	NTLB	643140	North Twin Lake - Deep Hole		
5/3/2016 9:45	COMPLETE	NTLS	643140	North Twin Lake - Deep Hole		
5/3/2016 10:20	COMPLETE	STLB	643106	South Twin Lake - Deep Hole		
5/3/2016 10:20	COMPLETE	STLS	643106	South Twin Lake - Deep Hole		
6/21/2016 13:45	COMPLETE	STLB	643106	South Twin Lake - Deep Hole		
6/21/2016 14:45	COMPLETE	NTLB	643140	North Twin Lake - Deep Hole		
6/21/2016 14:45	COMPLETE	NTLS	643140	North Twin Lake - Deep Hole		
7/20/2016 14:22	COMPLETE	NTLB	643140	North Twin Lake - Deep Hole		
7/20/2016 14:22	COMPLETE	NTLS	643140	North Twin Lake - Deep Hole		
7/20/2016 15:05	COMPLETE	STLB	643106	South Twin Lake - Deep Hole		
7/20/2016 15:05	COMPLETE	STLS	643106	South Twin Lake - Deep Hole		
8/24/2016	COMPLETE		643140	North Twin Lake - Deep Hole		

7/25/2024

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8/24/2016 8:15	COMPLETE	NTLB	643140	North Twin Lake - Deep Hole
8/24/2016 8:15	COMPLETE	NTLS	643140	North Twin Lake - Deep Hole
8/24/2016 9:00	COMPLETE	STLB	643106	South Twin Lake - Deep Hole
8/24/2016 9:00	COMPLETE	STLS	643106	South Twin Lake - Deep Hole
10/27/2016 11:30	COMPLETE	NTLB	643140	North Twin Lake - Deep Hole
10/27/2016 11:30	COMPLETE	NTLS	643140	North Twin Lake - Deep Hole
10/27/2016 12:05	COMPLETE	STLB	643106	South Twin Lake - Deep Hole
10/27/2016 12:05	COMPLETE	STLS	643106	South Twin Lake - Deep Hole
2/21/2017 9:30	COMPLETE	STLB	643106	South Twin Lake - Deep Hole
2/21/2017 9:30	COMPLETE	STLS	643106	South Twin Lake - Deep Hole
2/21/2017 10:30	COMPLETE	NTLB	643140	North Twin Lake - Deep Hole
2/21/2017 10:30	COMPLETE	NTLS	643140	North Twin Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
North and South Twin Lakes - Vilas County, Wisconsin - Comprehensive Management Plan	The Twin Lakes, Vilas county, are 2,883-acre and 633-acre drainage lakes, respectively. These lakes are heavily used by recreationalists and anglers. The lakes have experienced change over the last few decades with established populations of rusty crayfish followed by Eurasian watermilfoil.	Eddie Heath, Tim Hoyman, Jessica Wittmann, Brenton Butterfield, Todd Hanke, Josephine Barlament	6/1/2018	
North and South Twin Lakes - Vilas County, Wisconsin - Comprehensive Management Plan [Appendices]	Appendices of the North and South Twin Lakes Comprehensive Management Plan including presentations, stakeholder survey results, water quality data, modeling results, and aquatic plant management information.	Eddie Heath, Tim Hoyman, Jessica Wittmann, Brenton Butterfield, Todd Hanke, Josephine Barlament	6/1/2018	
North and South Twin Lakes - Vilas County, Wisconsin - Comprehensive Management Plan [Lake Maps]	Maps of the Twin Lakes including PI survey results, shoreland conditions, coarse woody habitat, EWM survey results, and an EWM treatment strategy.	Eddie Heath, Tim Hoyman, Jessica Wittmann, Brenton Butterfield, Todd Hanke, Josephine Barlament	6/1/2018	
Surface Water Grant Project Lab Costs	Lab costs for grant received by North & South Twin Lakes Riparian Association.			

### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

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Funding					
Organization	Source	Type	Amount	Start Date	End Date