

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1442-12

Name: MANITOWISH WATERS LAKE ASSOCIATION: Rest Lake Management Planning Project

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 10/1/2011

End Date: 12/31/2014

Purpose: Manitowish Waters Lakes Association, Inc is sponsoring a large scale lake planning grant to study Rest Lake in Vilas County. The project will focus on developing a Lake Management Plan (LMP) for Rest Lake.

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 assessment; 5) Shoreline assessment; 6) Professional Dreissena monitoring; 7) Curly-leaf pondweed survey, PI survey, and aquatic plant community mapping; 8) Data analysis and develop LMP; 9) Volunteer AIS monitoring and watercraft inspections; 10) Purple loosestrife biocontrol.

Project deliverables include: 1) Stakeholder survey, news release(s), and newsletter article; 2) Entered AIS monitoring and inspection data onto SWIMS; 3) Water chemistry data; 4) Watershed maps and modeling data; 5) Point Intercept and shoreland data; 6) Aquatic plant community and substrate maps; 7) Aquatic plant vouchers; 8) LMP.

Specific conditions for this project: 1) Draft of stakeholder survey needs to be submitted to Lakes Management Coordinator for review and approval before sending to public; 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, shoreland assessment, watershed assessment and water quality sampling, all maps from project, all GIS data, and aquatic plant vouchers.

Objective:

Comments: Grantee is MANITOWISH WATERS LAKE ASSOCIATION

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Butterfield, Brenton	TEAM_MEMBER	COMPLETE	10/1/2011	1/15/2020	Onterra, LLC	
Gale, Eric	TEAM_MEMBER	ACTIVE	12/13/2013		Onterra, LLC	
Hanke, Todd	TEAM_MEMBER	ACTIVE	10/1/2011		Onterra, LLC	
Hoyman, Tim	TEAM_MEMBER	ACTIVE	10/1/2011		Onterra, LLC	
Manitowish Waters Lakes Associ	GRANT_RECIPIENT	ACTIVE	10/1/2011		Manitowish Waters Lakes Association Inc	

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
Informational Meetings		10/1/2011	12/31/2014	IN_PROGRESS
Grant Awarded	<p>Manitowish Waters Lakes Association, Inc is sponsoring a large scale lake planning grant to study Rest Lake in Vilas County. The project will focus on developing a Lake Management Plan (LMP) for Rest Lake.</p> <p>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 assessment; 5) Shoreline assessment; 6) Professional Dreissena monitoring; 7) Curly-leaf pondweed survey, PI survey, and aquatic plant community mapping; 8) Data analysis and develop LMP; 9) Volunteer AIS monitoring and watercraft inspections; 10) Purple loosestrife biocontrol.</p> <p>Project deliverables include: 1) Stakeholder survey, news release(s), and newsletter article; 2) Entered AIS monitoring and inspection data onto SWIMS; 3) Water chemistry data; 4) Watershed maps and modeling data; 5) Point Intercept and shoreland data; 6) Aquatic plant community and substrate maps; 7) Aquatic plant vouchers; 8) LMP.</p>	10/1/2011	12/31/2014	COMPLETE
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	10/1/2011	12/31/2014	PROPOSED
Lake Management Plan Development		10/1/2011	12/31/2014	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
643253	Rest Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
2327500	1	Rest Lake	Rest Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

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

Methods

Wisconsin Department of Natural Resources SWIMS Project Summary

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
4/2/2012 12:00	COMPLETE	RLB	643253	Rest Lake - Deep Hole
4/2/2012 12:00	COMPLETE	RLS	643253	Rest Lake - Deep Hole
6/6/2012 9:20	COMPLETE	RLB	643253	Rest Lake - Deep Hole
6/6/2012 9:20	COMPLETE	RLS	643253	Rest Lake - Deep Hole
7/26/2012 11:00	COMPLETE	RLB	643253	Rest Lake - Deep Hole
7/26/2012 11:00	COMPLETE	RLS	643253	Rest Lake - Deep Hole
8/21/2012 11:00	COMPLETE	RLB	643253	Rest Lake - Deep Hole
8/21/2012 11:00	COMPLETE	RLS	643253	Rest Lake - Deep Hole
10/30/2012 9:15	COMPLETE	RLB	643253	Rest Lake - Deep Hole
10/30/2012 9:15	COMPLETE	RLS	643253	Rest Lake - Deep Hole
2/18/2013 9:00	COMPLETE	RLB	643253	Rest Lake - Deep Hole
2/18/2013 9:00	COMPLETE	RLS	643253	Rest Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
Appendices of the Manitowish Chain of Lakes Lake Management Plan	Appendices for one of the documents for the Manitowish Chain of Lakes Lake Management project	Onterra, LLC	7/28/2012	
Manitowish Waters Chain of Lakes Comprehensive Management Plan [DRAFT part 8.1; Rest Lake, Vilas County]	Part of the Manitowish Chain of Lakes Comprehensive Lake Management Plant Draft, concerning Rest Lake.	Onterra, LLC	10/15/2013	
Manitowish Waters Chain of Lakes Comprehensive Management Plan [DRAFT, Part 8.2; Island Lake, Vilas Co.]	Part of the Manitowish Waters Chain of Lakes Comprehensive Lake Management Plan Draft, concerning Island Lake	Onterra, LLC	10/15/2013	
Manitowish Waters Chain of Lakes Comprehensive Management Plan [DRAFT, Part 8.3; Spider Lake, Vilas County]	Part of the Manitowish Waters Chain of Lakes Comprehensive Lake Management Plan Draft concerning Spider Lake	Onterra, LLC	10/15/2013	
Manitowish Waters Chain, Vilas County, Wisconsin Comprehensive Lake Management Plan	Final draft of a comprehensive lake management plan for the Manitowish Waters Chain	Onterra, LLC	1/15/2016	

Budget

8/28/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date