

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AEPP-351-12

Name: NORTH LAKE LAND DISCOVERY CENTER: Manitowish Chain of Lakes Management Planning Project, Phase 1B

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Education

Status: COMPLETE

Start Date: 4/1/2012

End Date: 12/31/2015

Purpose: North Lakeland Discovery Center is sponsoring an AEPP project to study Island Lake, Spider Lake and Rice Creek, in Vilas County. The project will focus on developing a Lake Management Plan (LMP) for Island Lake and Spider Lake and conducting 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 assessment; 5) Shoreline assessment; 6) Professional Dreissena monitoring; 7) Aquatic plant surveys (PI survey, CLP assessment, community mapping, substrate mapping); 8) Data analysis; 9) Hire AIS Coordinator and CB/CW Intern; 10) Volunteer watercraft inspections and AIS monitoring; 11) AIS educational activities; 12) Develop LMP.

Project deliverables include: 1) Stakeholder survey, news release(s), and newsletter article; 2) Water chemistry data; 3) Watershed maps and modeling data; 4) PI and shoreland data; 5) Aquatic plant community and substrate maps; 6) Aquatic plant vouchers; 7) Entered inspection and AIS monitoring data into SWIMS; 8) Hired staff; 9) AIS educational products and events; 10) LMP.

Specific project conditions: 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, any AIS educational products, 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 NORTH LAKE LAND DISCOVERY CENTER

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Butterfield, Brenton	TEAM_MEMBER	COMPLETE	4/1/2012	1/15/2020	Onterra, LLC	
Gale, Eric	TEAM_MEMBER	ACTIVE	12/13/2013		Onterra, LLC	
Hanke, Todd	TEAM_MEMBER	ACTIVE	4/1/2012		Onterra, LLC	
Heald, Emily	COORDINATOR	COMPLETE	5/19/2017	4/11/2022	UW Madison Division of Extension	
Hoyman, Tim	TEAM_MEMBER	ACTIVE	4/1/2012		Onterra, LLC	
North Lakeland Discovery Center	GRANT_RECIPIENT	ACTIVE	4/1/2012		North Lakeland Discovery Center	

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Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Hire County Aquatic Invasives Coordinator		4/1/2012	12/31/2014	PROPOSED
Monitor Water Quality or Sediment		4/1/2012	12/31/2014	PROPOSED
Grant Awarded	2334400 Island Lake	4/1/2012	6/30/2014	COMPLETE
Issue News/Media Release		4/1/2012	12/31/2014	PROPOSED
Grant Awarded	2329300 Spider Lake	4/1/2012	6/30/2014	COMPLETE
Grant Awarded	2334500 Rice Creek	4/1/2012	6/30/2014	COMPLETE
Watercraft Inspections Clean Boats, Clean Waters		4/1/2012	12/31/2014	PROPOSED
Lake Management Plan Development		4/1/2012	12/31/2014	PROPOSED
Aquatic Plant Monitoring or Survey		4/1/2012	12/31/2014	PROPOSED
Watershed Mapping or Assessment		4/1/2012	12/31/2014	PROPOSED
Social Survey of Residents or Users		4/1/2012	12/31/2014	PROPOSED
Information and Education		4/1/2012	12/31/2014	PROPOSED
Develop/Distribute Newsletter		4/1/2012	12/31/2014	PROPOSED
Monitor Invasive Species		4/1/2012	12/31/2014	PROPOSED
Informational Meetings		4/1/2012	12/31/2014	PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	4/1/2012	12/31/2015	PROPOSED

Monitoring Stations

Station ID	Name	Comments
643200	Island Lake - Deep Hole	
643261	Spider Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
2329300	1	Spider Lake	Spider Lake
2334400	1	Island Lake	Island Lake
2334500	1	Rice Creek	Rice Creek
2337700	1	Island Creek	Island Creek

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

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
4/9/2012 13:30	COMPLETE	SLB	643261	Spider Lake - Deep Hole
4/9/2012 13:30	COMPLETE	SLS	643261	Spider Lake - Deep Hole
4/9/2012 14:15	COMPLETE	ISLB	643200	Island Lake - Deep Hole
4/9/2012 14:15	COMPLETE	ISLS	643200	Island Lake - Deep Hole
6/6/2012 10:35	COMPLETE	SLB	643261	Spider Lake - Deep Hole
6/6/2012 10:35	COMPLETE	SLS	643261	Spider Lake - Deep Hole
6/6/2012 11:10	COMPLETE	ISLB	643200	Island Lake - Deep Hole
6/6/2012 11:10	COMPLETE	ISLS	643200	Island Lake - Deep Hole
7/26/2012 9:00	COMPLETE	SLB	643261	Spider Lake - Deep Hole
7/26/2012 9:00	COMPLETE	SLS	643261	Spider Lake - Deep Hole
7/26/2012 9:40	COMPLETE	ISLB	643200	Island Lake - Deep Hole
7/26/2012 9:40	COMPLETE	ISLS	643200	Island Lake - Deep Hole
8/21/2012 13:45	COMPLETE	SLB	643261	Spider Lake - Deep Hole
8/21/2012 13:45	COMPLETE	SLS	643261	Spider Lake - Deep Hole
8/21/2012 14:15	COMPLETE	ISLB	643200	Island Lake - Deep Hole
8/21/2012 14:15	COMPLETE	ISLS	643200	Island Lake - Deep Hole
10/30/2012 14:00	COMPLETE	SLB	643261	Spider Lake - Deep Hole
10/30/2012 14:00	COMPLETE	SLS	643261	Spider Lake - Deep Hole
10/30/2012 14:30	COMPLETE	ISLB	643200	Island Lake - Deep Hole
10/30/2012 14:30	COMPLETE	ISLS	643200	Island Lake - Deep Hole
2/18/2013 11:00	COMPLETE	ISLB	643200	Island Lake - Deep Hole
2/18/2013 11:00	COMPLETE	ISLS	643200	Island Lake - Deep Hole
2/18/2013 12:00	COMPLETE	SLB	643261	Spider Lake - Deep Hole
2/18/2013 12:00	COMPLETE	SLS	643261	Spider Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
ManChainVilas_ChainWide_Maps		Onterra LLC	1/1/2013	

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ManChainVilas_PhI_IndLakes _Maps		Onterra LLC	1/1/2013	
ManChain_Chainwide_Ph1_A ppendices_Jan16		Onterra LLC	1/1/2016	
Manitowish Waters Chain Comprehensive Managment Plan Phase 1		Onterra LLC	1/1/2016	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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