

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AEPP-409-14  
**Name:** NORTH LAKELAND DISCOVERY CENTER: Manitowish Chain of Lakes Management Planning, Ph 3a  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Education  
**Status:** COMPLETE  
**Start Date:** 10/01/2013  
**End Date:** 12/31/2016  
**Purpose:** North Lakeland Discovery Center is sponsoring an AEPP grant to study Wild Rice Lake, Alder Lake and the Trout River, in Vilas County. The project will focus on developing a Lake Management Plan (LMP) for Wild Rice Lake, Alder Lake and the Trout River, conducting AIS education and monitoring, and performing early-season AIS monitoring surveys.

Project activities include: 1) Planning committee meetings; 2) Water quality sampling and analysis; 3) Shoreline assessment and early-season AIS surveys; 4) Professional Dreissena monitoring; 5) Aquatic plant surveys (PI survey, community mapping, substrate mapping); 6) Data analysis; 7) Hire AIS Coordinator and Water Education Intern; 8) Volunteer watercraft inspections and AIS monitoring; 9) CLP hand-pulling and PL bio-control program; 10) AIS educational activities; 11) Develop Lake Management Plan.

Project deliverables include: 1) Water chemistry, PI and shoreland data; 2) Aquatic plant community and substrate maps and aquatic plant vouchers; 3) Entered inspection and AIS monitoring data into SWIMS; 4) Hired staff; 5) AIS educational products and events; 6) LMP.

Specific conditions for this project: 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, data from PI, shoreland assessment, and water quality sampling, all maps from project, all GIS data, and aquatic plant vouchers.

**Objective:**  
**Comments:** Grantee is NORTH LAKELAND DISCOVERY CENTER  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Behrendt, Johnny	TEAM_MEMBER	ACTIVE	05/17/2018		North Lakeland Discovery Center	
Castellanos, Emily	TEAM_MEMBER	ACTIVE	06/23/2014		Onterra, LLC	
Durre, Colby	TEAM_MEMBER	ACTIVE	05/17/2018		North Lakeland Discovery Center	
Gauthier, Kevin J	COORDINATOR	ACTIVE	02/27/2014		Wisconsin DNR	
Hanke, Todd	TEAM_MEMBER	ACTIVE	12/05/2014		Onterra, LLC	
Heald, Emily	COORDINATOR	ACTIVE	03/22/2017		North Lakeland Discovery Center	
Hoyman, Tim	TEAM_MEMBER	ACTIVE	12/08/2014		Onterra, LLC	
North Lakeland Discovery Ce	GRANT_RECIPII	ACTIVE	10/01/2013	06/30/2016	North Lakeland Discovery Center	
Oberleitner, Brandon	TEAM_MEMBER	ACTIVE	05/03/2017		North Lakeland Discovery Center	
Platt, Heather	TEAM_MEMBER	ACTIVE	05/03/2017		North Lakeland Discovery Center	
Tesensky, John	TEAM_MEMBER	ACTIVE	05/03/2017		North Lakeland Discovery Center	
Westerhoff, Braden	TEAM_MEMBER	ACTIVE	05/17/2018		North Lakeland Discovery Center	

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### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded		10/01/2013	06/30/2016	COMPLETE
Lake Management Plan Development		10/01/2013	06/30/2016	PROPOSED
Biomonitoring Toxicity Tests	purple loosestrife biocontrol	10/01/2013	06/30/2016	PROPOSED
Information and Education		10/01/2013	06/30/2016	PROPOSED
Monitor Invasive Species		10/01/2013	06/30/2016	PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	10/01/2013	06/30/2016	PROPOSED
Aquatic Plant Monitoring or Survey		10/01/2013	06/30/2016	PROPOSED
Informational Meetings		10/01/2013	06/30/2016	PROPOSED
Hire County Aquatic Invasives Coordinator		10/01/2013	06/30/2016	PROPOSED
APM Mechanical Permit Request		10/01/2013	06/30/2016	PROPOSED

Details:	Parameter	Value/Amount	Units	Comments	
	Total Acres harvested				
	Total pounds of plants harvested				
	Monitor Water Quality or Sediment		10/01/2013	06/30/2016	PROPOSED
	Project Deliverable	Final Report	10/01/2013	06/30/2016	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
10006410	Alder Lake	
643219	Alder Lake - Deep Hole	
10006411	Wild Rice Lake	
643270	Wild Rice Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2329600	1	Alder Lake	Alder Lake
2329800	1	Wild Rice Lake (Half Way)	Wild Rice Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
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### Forms

Form Code	Form Name
AIS_PRES_ABS_0903	Aquatic Invasives Presence/Absence Report (R 03/09)
SECCHI_TEMPDO	Lake Monitoring - Secchi, Temperature and D.O.

### Methods

Method Code	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/27/2014 13:50	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole

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Start Date	Status	Field ID	Station ID	Station Name
05/27/2014 13:55	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
05/27/2014 14:45	COMPLETE	ALS	643219	Alder Lake - Deep Hole
05/27/2014 14:50	COMPLETE	ALB	643219	Alder Lake - Deep Hole
06/23/2014 12:45	COMPLETE	ALB	643219	Alder Lake - Deep Hole
06/23/2014 12:45	COMPLETE	ALS	643219	Alder Lake - Deep Hole
06/23/2014 13:30	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
06/23/2014 15:00	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole
07/23/2014 11:35	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
07/23/2014 11:35	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
07/23/2014 11:35	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole
07/23/2014 11:35	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole
07/23/2014 12:25	COMPLETE	ALB	643219	Alder Lake - Deep Hole
07/23/2014 12:25	COMPLETE	ALB	643219	Alder Lake - Deep Hole
07/23/2014 12:25	COMPLETE	ALS	643219	Alder Lake - Deep Hole
07/23/2014 12:25	COMPLETE	ALS	643219	Alder Lake - Deep Hole
08/12/2014 12:30	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
08/12/2014 12:30	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
08/12/2014 12:30	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole
08/12/2014 12:30	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole
08/12/2014 13:36	COMPLETE	ALB	643219	Alder Lake - Deep Hole
08/12/2014 13:36	COMPLETE	ALB	643219	Alder Lake - Deep Hole
08/12/2014 13:36	COMPLETE	ALS	643219	Alder Lake - Deep Hole
08/12/2014 13:36	COMPLETE	ALS	643219	Alder Lake - Deep Hole
10/22/2014 13:40	COMPLETE	ALB	643219	Alder Lake - Deep Hole
10/22/2014 13:40	COMPLETE	ALS	643219	Alder Lake - Deep Hole
10/22/2014 14:20	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
10/22/2014 14:20	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole
02/24/2015 09:30	COMPLETE	ALB	643219	Alder Lake - Deep Hole
02/24/2015 09:30	COMPLETE	ALS	643219	Alder Lake - Deep Hole
02/24/2015 11:00	COMPLETE	WRLB	643270	Wild Rice Lake - Deep Hole
02/24/2015 11:00	COMPLETE	WRLS	643270	Wild Rice Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
Application Materials - Manitowish Chain of Lakes Management Planning Project Phase IIIa		Onterra LLC	07/30/2013	
Manitowish Waters Chain of Lakes Comprehensive Management Plan - Vilas County [Draft]	Beginning in 2011, a phased approach was developed to address each lake within the chain over the course of 2011-2016. Developing management plans for small clusters of lakes within the chain creates a manageable process that allows for sufficient attention to be applied to each lake's needs.	Brenton Butterfield, Tim Hoyman, Todd Hanke, and Eddie Heath, Onterra, LLC	03/01/2017	

### Budget

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**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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