

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AEPP55018

**Name:** NORTH LAKELAND DISCOVERY CENTER: Town of Winchester Lake Mgmt Planning - Phase 4

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Education

**Status:** COMPLETE

**Start Date:** 2/15/2018

**End Date:** 12/31/2020

**Purpose:** North Lakeland Discovery Center is sponsoring an Aquatic Invasive Species (AIS) Education, Prevention, & Planning grant to study multiple lakes in the Town of Winchester, Vilas County. The project will focus on developing a Lake Management Plan (LMP) for Circle Lily and Pardee Lakes, conducting early-season AIS monitoring on Adelaide, Helen and Harris Lakes 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 and coarse woody habitat assessment; 6) Early-season AIS monitoring and professional Dreissena monitoring; 7) Aquatic plant surveys (PI survey, acoustic, community mapping, substrate mapping); 8) Volunteer AIS and lake level monitoring and watercraft inspections; 9) Data analysis; 10) Develop LMP; 11) Hire AIS Coordinator and Water Education Intern; 12) AIS educational activities.

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 coarse woody habitat data; 5) Aquatic plant community and substrate maps; 6) LMP; 7) Hired staff; 8) AIS educational products and events.

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, any AIS educational products, stakeholder survey, and all data and maps from the project.

**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	5/17/2018		North Lakeland Discovery Center	
Curtis, Eric	TEAM_MEMBER	ACTIVE	5/22/2019		North Lakeland Discovery Center	
Durre, Colby	TEAM_MEMBER	ACTIVE	5/17/2018		North Lakeland Discovery Center	
Heald, Emily	COORDINATOR	COMPLETE	5/17/2018	4/11/2022	UW Madison Division of Extension	
North Lakeland Discovery Cente	GRANT_RECIPIENT	ACTIVE	5/17/2018		North Lakeland Discovery Center	

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Scheff, Jarod	TEAM_MEMBER	ACTIVE	5/22/2019		North Lakeland Discovery Center	
Spears, Nicole	TEAM_MEMBER	ACTIVE	5/22/2019		North Lakeland Discovery Center	
Westerhoff, Braden	TEAM_MEMBER	ACTIVE	5/17/2018		North Lakeland Discovery Center	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant AEPP55018 awarded	2/15/2018	6/30/2020	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
643459	Circle Lily Lake - Deep Hole	
263056	Pardee Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
1831700	1	Adelaide Lake	Lake Adelaide
1859200	1	Helen Lake	Lake Helen
2308000	1	Pardee Lake	Pardee Lake
2326700	1	Circle Lily Lake	Circle Lily Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
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### Forms

Form Code	Form Name
AIS_EDD_2019	Aquatic Invasive Species (AIS) Early Detection Monitoring Form [2019]

### Methods

Method Code	Method Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
8/2/2018	COMPLETE		643459	Circle Lily Lake - Deep Hole
8/8/2018	COMPLETE		263056	Pardee Lake - Deep Hole
7/31/2019	COMPLETE		643459	Circle Lily Lake - Deep Hole
7/31/2019	COMPLETE		263056	Pardee Lake - Deep Hole

### Documents

## Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
Aquatic Plant Survey Data - Appendix E	PI plant survey data 2015-2017	Onterra, LLC	1/1/2017	
Progress Report		Emily Heald	2/1/2019	
Progress Report [Sept 2020 to Dec 2020]	NLDC reporting for Wisconsin Department of Natural Resources, AEPP-550-18 Town of Winchester Lake Management Planning Project Phase 4: Circle Lily, Pardee, Helen, and Adelaide Lakes; Activities from September 1, 2020 through December 31, 2020	Emily Heald	9/1/2020	
Public Participation Materials - Appendix A [Part 1]	Public Participation materials. July 2015-May 2017. [Document was split into two files due to size.]	Onterra, LLC	1/1/2017	
Public Participation Materials - Appendix A [Part 2]	Public Participation materials. July 2015-May 2017. [Document was split into two files due to size.]	Onterra, LLC	1/1/2017	
Social Media and Press Releases [Sept 2020 to Feb 2021]	Several Facebook posts; Lake Level Monitoring article in Lake Tides	Emily Heald		
Stakeholder Survey Response Charts and Comments - Appendix B	2015-2018 Town of Winchester Lakes Stakeholder Survey.	Onterra, LLC	1/1/2018	
Town of Winchester Lakes Comprehensive Management Plan Vilas County, Wisconsin [Part 1]	This project was designed to systematically conduct studies on 12 lakes within the township over the course of four years, with two to four lakes being studied each year (Table 1 and Map 1). Developing management plans for subsets of lakes within the town each year allows for financial savings to be realized in overall project costs while creating a manageable process that allows for sufficient attention to be applied to each lakes' needs. This is opposed to completing all plans simultaneously, which would facilitate great cost savings, but only produce generic plans for each lake and the town as a whole. Financial assistance was obtained through the Wisconsin Department of Natural Resources (WDNR) Lake Management Grant Program for each phase of the project. [File split into two documents due to file size.]	Onterra, LLC	10/1/2020	

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Town of Winchester Lakes Comprehensive Management Plan Vilas County, Wisconsin [Part 2]	This project was designed to systematically conduct studies on 12 lakes within the township over the course of four years, with two to four lakes being studied each year (Table 1 and Map 1). Developing management plans for subsets of lakes within the town each year allows for financial savings to be realized in overall project costs while creating a manageable process that allows for sufficient attention to be applied to each lakes' needs. This is opposed to completing all plans simultaneously, which would facilitate great cost savings, but only produce generic plans for each lake and the town as a whole. Financial assistance was obtained through the Wisconsin Department of Natural Resources (WDNR) Lake Management Grant Program for each phase of the project. [File split into two documents due to file size.]	Onterra, LLC	10/1/2020	
Water Quality Data - Appendix C	2015-2018 water quality data.	Onterra, LLC	1/1/2021	
Watershed Analysis WiLMS Results - Appendix D	June 2016- May 2019 WiLMS results	Onterra, LLC	1/1/2019	

### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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