

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AEPP47016
Name: NORTH LAKELAND DISCOVERY CENTER: Town of Winchester Lake Mgmt Planning - Phase 2
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Education
Status: COMPLETE
Start Date: 02/15/2016
End Date: 12/31/2018
Purpose: North Lakeland Discovery Center is sponsoring an AEPP grant to study Rainbow, Tamarack and Birch Lakes in Vilas County. The project will focus on developing a Lake Management Plan (LMP) for Rainbow, Tamarack and Birch 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; 6) Hired staff; 7) 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
Heald, Emily	COORDINATOR	ACTIVE	03/22/2017		North Lakeland Discovery Center	
Hoyman, Tim	LEAD_EQUIPME	ACTIVE	06/02/2016		Onterra, LLC	
Kretschmann, Anne	APPLICANT	ACTIVE	06/02/2016		North Lakeland Discovery Center	
North Lakeland Discovery Ce	GRANT_RECII	ACTIVE	06/01/2016		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	
State Lab of Hygiene,	LABORATORY	ACTIVE	06/02/2016		State Lab of Hygiene	
Tesensky, John	TEAM_MEMBER	ACTIVE	05/03/2017		North Lakeland Discovery Center	

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start	End Date	Status
Grant Awarded	Birch Lake	02/15/2016	12/31/2018	COMPLETE
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	02/15/2016	12/31/2018	PROPOSED
Grant Awarded	Rainbow	02/15/2016	12/31/2018	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10006006	Birch Lake (Vilas County)	
643467	Birch Lake - Deep Hole	
10018826	Birch Lake -- Access at S Side Of Lake	
10006368	Rainbow Lake	
643255	Rainbow Lake - Deep Hole	
10006369	Tamarack Lake	
643339	Tamarack Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
2310500	1	Rainbow Creek	Rainbow Creek
2310800	1	Rainbow Lake	Rainbow Lake
2310900	1	Tamarack Lake	Tamarack Lake
2311100	1	Birch Lake	Birch Lake
2311200	1	Little Birch Creek	Little Birch Creek

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.
WATER_LEV2016	Water Level Monitoring Data Sheet
WATERCRAFT_2014	Watercraft Inspection Report (Revised 4/2014)

Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/09/2016 12:45	COMPLETE	RLWIB	643255	Rainbow Lake - Deep Hole
05/09/2016 12:45	COMPLETE	RLWIS	643255	Rainbow Lake - Deep Hole
05/09/2016 13:45	COMPLETE	TAMLB	643339	Tamarack Lake - Deep Hole
05/09/2016 13:45	COMPLETE	TAMLS	643339	Tamarack Lake - Deep Hole
05/09/2016 15:00	COMPLETE	BILB	643467	Birch Lake - Deep Hole
05/09/2016 15:00	COMPLETE	BILS	643467	Birch Lake - Deep Hole
06/22/2016 09:30	COMPLETE	TAMLB	643339	Tamarack Lake - Deep Hole
06/22/2016 09:30	COMPLETE	TAMLS	643339	Tamarack Lake - Deep Hole
06/22/2016 11:15	COMPLETE	RLWIB	643255	Rainbow Lake - Deep Hole

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Start Date	Status	Field ID	Station ID	Station Name
06/22/2016 12:25	COMPLETE	BILB	643467	Birch Lake - Deep Hole
06/22/2016 12:25	COMPLETE	BILS	643467	Birch Lake - Deep Hole
07/20/2016	COMPLETE		643339	Tamarak Lake - Deep Hole
07/27/2016 11:00	COMPLETE	BILB	643467	Birch Lake - Deep Hole
07/27/2016 11:00	COMPLETE	BILS	643467	Birch Lake - Deep Hole
07/27/2016 11:50	COMPLETE	TAMLB	643339	Tamarak Lake - Deep Hole
07/27/2016 11:50	COMPLETE	TAMLS	643339	Tamarak Lake - Deep Hole
07/27/2016 13:00	COMPLETE	RLWIB	643255	Rainbow Lake - Deep Hole
07/27/2016 13:00	COMPLETE	RLWIS	643255	Rainbow Lake - Deep Hole
08/23/2016	COMPLETE		643467	Birch Lake - Deep Hole
08/23/2016 10:00	COMPLETE	BILB	643467	Birch Lake - Deep Hole
08/23/2016 10:00	COMPLETE	BILS	643467	Birch Lake - Deep Hole
08/23/2016 12:15	COMPLETE	RLWIB	643255	Rainbow Lake - Deep Hole
08/23/2016 12:15	COMPLETE	RLWIS	643255	Rainbow Lake - Deep Hole
10/11/2016 12:15	COMPLETE	TAMLB	643339	Tamarak Lake - Deep Hole
10/11/2016 12:15	COMPLETE	TAMLS	643339	Tamarak Lake - Deep Hole
10/25/2016 09:40	COMPLETE	RLWIB	643255	Rainbow Lake - Deep Hole
10/25/2016 09:40	COMPLETE	RLWIS	643255	Rainbow Lake - Deep Hole
10/25/2016 12:30	COMPLETE	BILB	643467	Birch Lake - Deep Hole
10/25/2016 12:30	COMPLETE	BILS	643467	Birch Lake - Deep Hole
02/22/2017 09:30	COMPLETE	BILB	643467	Birch Lake - Deep Hole
02/22/2017 09:30	COMPLETE	BILS	643467	Birch Lake - Deep Hole
02/22/2017 10:45	COMPLETE	RLWIB	643255	Rainbow Lake - Deep Hole
02/22/2017 10:45	COMPLETE	RLWIS	643255	Rainbow Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
NLDC reporting for AEPP47016 [Activities from March 1, 2018-August 31, 2018]	Summary of activities completed as part of AEPP47016.	Emily Heald, North Lakeland Discovery Center	11/30/2018	
Social Media Postings February 2018 to August 2018	Screen shots of social media posts from the period of February 2018 to August 2018 as part of AEPP47016.	North Lakeland Discovery Center	11/30/2018	
Surface Water Grant Project Lab Costs	Lab costs for grant received by North Lakeland Discovery Center.			
Town of Winchester Lakes - Vilas County, Wisconsin - Comprehensive Management Plan: Phase II	Town of Winchester Lakes Comprehensive Management Plan not including reports for each separate lake.	Brenton Butterfield, Tim Hoyman, Eddie Heath, & Todd Hanke, LLC	04/01/2018	
Town of Winchester Lakes - Vilas County, Wisconsin - Comprehensive Management Plan: Phase II [Appendices]	Appendices for the Town of Winchester Lakes Comprehensive Management Plan including presentations, stakeholder survey results, water quality data, modeling data, and PI survey data.	Brenton Butterfield, Tim Hoyman, Eddie Heath, & Todd Hanke - Onterra, LLC	04/01/2018	
Town of Winchester Lakes Comprehensive Management Plan: Birch Lake	This is part of the comprehensive management plan for the Town of Winchester involving Birch Lake.	Onterra, LLC		
Town of Winchester Lakes Comprehensive Management Plan: Rainbow Lake	This is part of the comprehensive management plan for the Town of Winchester involving Rainbow Lake.	Onterra, LLC		

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Title	Description	Author	Published	Comments
Town of Winchester Lakes Comprehensive Management Plan: Tamarack Lake	This is part of the comprehensive management plan for the Town of Winchester involving Tamarack Lake.	Onterra, LLC		

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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