

# Wisconsin Department of Natural Resources SWIMS Project Summary

## General Project Information

**Project ID:** LPL-1204-08

**Name:** MUSKELLUNGE LAKE PROTECTION & REHAB DISTRICT: Muskellunge Lake Management Planning Project - Phase 1

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 10/1/2007

**End Date:** 6/30/2013

**Purpose:** Muskellunge Lake District is sponsoring phased large scale lake planning grants to study Muskellunge Lake in Lincoln County. The project will focus on developing a Lake Management Plan (LMP) for Muskellunge Lake.

Project activities include:

- 1) Stakeholder participation - kick-off meeting, stakeholder survey, planning meetings (up to 3), wrap-up meeting, news release, and newsletter article
- 2) Water quality sampling and analysis (Secchi, P, Chla, DO, temp, N, conductivity, pH, Alk, suspended solids, and Calcium)
- 3) Aquatic plant survey (point-intercept)
- 4) Aquatic plant community mapping and analysis
- 5) Curly-leaf pondweed survey
- 6) Fisheries assessment
- 7) Watershed assessment
- 8) Zebra mussel monitoring
- 9) Sensitive area delineation
- 10) Develop LMP

Project deliverables include:

- 1) Stakeholder survey, news release, and newsletter article
- 2) Point-intercept aquatic plant data
- 3) Aquatic plant community and watershed maps
- 4) Watershed modeling data
- 5) Two sets of aquatic plant vouchers
- 6) LMP

Specific conditions for this project:

- Draft of stakeholder survey should be submitted to Lakes Management Coordinator for review before sending to public
- Vouchers should be submitted to Lakes Management Coordinator as soon as possible after aquatic plant survey
- LMP needs Dept review and approval

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of LMP, news release, newsletter article, stakeholder survey, point-intercept aquatic plant data, data from watershed assessment, all maps from project, all GIS data, and two sets of aquatic plant vouchers.

**Objective:**

**Comments:** Grantee is MUSKELLUNGE LAKE PROTECTION & REHAB DISTRICT

**Outcome:**

**Study Design:**

**QA Measures:**

## People

Name	Role	Status	Start Date	End Date	Organization	Comments
Butterfield, Brenton	TEAM_MEMBER	COMPLETE	10/1/2007	1/15/2020	Onterra, LLC	

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Muskellunge Lake District,	GRANT_RECIPIENT	ACTIVE	10/1/2007		Muskellunge Lake District	
Rowe, Sonya N	TEAM_MEMBER	ACTIVE	10/1/2007		Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	<p>Muskellunge Lake District is sponsoring phased large scale lake planning grants to study Muskellunge Lake in Lincoln County. The project will focus on developing a Lake Management Plan (LMP) for Muskellunge Lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> <li>1) Stakeholder participation - kick-off meeting, stakeholder survey, planning meetings (up to 3), wrap-up meeting, news release, and newsletter article</li> <li>2) Water quality sampling and analysis (Secchi, P, Chla, DO, temp, N, conductivity, pH, Alk, suspended solids, and Calcium)</li> <li>3) Aquatic plant survey (point-intercept)</li> <li>4) Aquatic plant community mapping and analysis</li> <li>5) Curly-leaf pondweed survey</li> <li>6) Fisheries assessment</li> <li>7) Watershed assessment</li> <li>8) Zebra mussel monitoring</li> <li>9) Sensitive area delineation</li> <li>10) Develop LMP.</li> </ol>	10/1/2007	12/31/2009	COMPLETE
Monitor Invasive Species		10/1/2007	12/31/2011	PROPOSED
Aquatic Plant Monitoring or Survey		10/1/2007	12/31/2011	PROPOSED
Watershed Mapping or Assessment		10/1/2007	12/31/2011	PROPOSED
Comprehensive Planning Studies	19622282	10/1/2007		PROPOSED
Lake Management Plan Development	19622282	10/1/2007		PROPOSED

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Grant Awarded	<p>Muskellunge Lake District is sponsoring phased large scale lake planning grants to study Muskellunge Lake in Lincoln County. The project will focus on developing a Lake Management Plan (LMP) for Muskellunge Lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> <li>1) Stakeholder participation - kick-off meeting, stakeholder survey, planning meetings (up to 3), wrap-up meeting, news release, and newsletter article</li> <li>2) Water quality sampling and analysis (Secchi, P, Chla, DO, temp, N, conductivity, pH, Alk, suspended solids, and Calcium)</li> <li>3) Aquatic plant survey (point-intercept)</li> <li>4) Aquatic plant community mapping and analysis</li> <li>5) Curly-leaf pondweed survey</li> <li>6) Fisheries assessment</li> <li>7) Watershed assessment</li> <li>8) Zebra mussel monitoring</li> <li>9) Sensitive area delineation</li> <li>10) Develop LMP</li> </ol> <p>Project deliverables include:</p> <ol style="list-style-type: none"> <li>1) Stakeholder survey, news release, and newsletter article</li> <li>2) Point-intercept aquatic plant data</li> <li>3) Aquatic plant community and watershed maps</li> <li>4) Watershed modeling data</li> <li>5) Two sets of aquatic plant vouchers</li> <li>6) LMP</li> </ol> <p>Specific conditions for this project:</p> <ul style="list-style-type: none"> <li>- Draft of stakeholder survey should be submitted to Lakes Management Coordinator for review before sending to public</li> <li>- Vouchers should be submitted to Lakes Management Coordinator as soon as possible after aquatic plant survey</li> <li>- LMP needs Dept review and approval</li> </ul> <p>WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of LMP, news release, newsletter article, stakeholder survey, point-intercept aquatic plant data, data from watershed assessment, all maps from project, all GIS data, and two sets of aquatic plant vouchers.</p>	10/1/2007	12/31/2011	COMPLETE
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### Monitoring Stations

Station ID	Name	Comments
353199	Muskellunge Lake - Deep Hole	
354006	Muskellunge Lake - Muskellunge Lake	

### Assessment Units

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WBIC	Segment	Local Name	Official Name
1555000	1	Muskellunge Creek	Muskellunge Creek
1555500	1	Muskellunge Lake	Muskellunge Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	1/1/1960	12/31/2099
LM017	LAKE MANAGEMENT PLANNING GRANTS	1/1/1960	12/31/2099
LM018	LAKE MANAGEMENT PLANNING GRANTS	1/1/1960	12/31/2099

Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
2/12/2008 12:00	COMPLETE	MLB	354006	Muskellunge Lake - Muskellunge Lake
5/5/2008	COMPLETE	MLB	354006	Muskellunge Lake - Muskellunge Lake
6/12/2008 9:25	COMPLETE	MLB	353199	Muskellunge Lake - Deep Hole
7/17/2008 9:00	COMPLETE	MLB	353199	Muskellunge Lake - Deep Hole
8/19/2008 10:15	COMPLETE	MLS	353199	Muskellunge Lake - Deep Hole
10/30/2008 10:00	COMPLETE	MLB	353199	Muskellunge Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
Muskellunge Lake Lincoln County, Wisconsin Comprehensive Management Plan		Eddie Heath & Tim Hoyman - Onterra, LLC	11/30/2012	
Muskellunge Lake Lincoln County, Wisconsin Comprehensive Management Plan Appendices		Onterra, LLC	11/30/2012	
Muskellunge Lake Lincoln County, Wisconsin Comprehensive Management Plan Maps		Onterra, LLC	11/30/2012	

Budget

5/20/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date