

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1139-07

**Name:** TOWN OF WASHINGTON: Upper & Lower Ninemile Lake Limnological Baseline Studies & APM Plan

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 10/1/2006

**End Date:** 12/31/2009

**Purpose:** The Town of Washington is sponsoring a large scale lake planning grant to study Upper and Lower Ninemile Lakes in Vilas County with a study completion date of June 30, 2008. The Town of Lincoln, Town of Cloverland, and City of Eagle River, are project partners. The project will focus on developing an Aquatic Plant Management (APM) Plan for each lake.

Project activities include:

- 1) Data review, project kick-off meeting and project final meeting
- 2) Develop public questionnaire and prepare educational article
- 3) Point-intercept (PI) survey of aquatic plants with 2 sets of pressed plants from Lower Ninemile Lake
- 4) Aquatic plant community mapping and analysis
- 5) Water quality sampling - secchi, P, Chla, DO, and Temp during survey period
- 6) Watershed and land use analysis
- 7) Develop APM Plans

Project deliverables include:

- 1) Public questionnaire and educational article
- 2) PI data and aquatic plant community and watershed maps
- 3) 2 sets of pressed aquatic plants from Lower Ninemile Lake (one set for lake group and second for Dept)
- 4) Water quality sampling results
- 5) APM Plans

Specific conditions for this project:

- Draft of public questionnaire should be submitted to Lakes Management Coordinator for review before sending to public
- APM Plans need Dept review and approval

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of APM Plans, educational article, public questionnaire, data from watershed and land use analysis, data from PI survey, data from water quality sampling, all maps from project, and a set of pressed aquatic plants from Lower Ninemile Lake.

**Objective:**

**Comments:** Grantee is TOWN OF WASHINGTON

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Town of Washington,	GRANT_RECIP ENT	ACTIVE	10/1/2006	12/31/2009	Town of Washington	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

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Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	<p>Upper Ninemile Lake - The Town of Washington is sponsoring a large scale lake planning grant to study Upper and Lower Ninemile Lakes in Vilas County with a study completion date of June 30, 2008. The Town of Lincoln, Town of Cloverland, and City of Eagle River, are project partners. The project will focus on developing an Aquatic Plant Management (APM) Plan for each lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> <li>1) Data review, project kick-off meeting and project final meeting</li> <li>2) Develop public questionnaire and prepare educational article</li> <li>3) Point-intercept (PI) survey of aquatic plants with 2 sets of pressed plants from Lower Ninemile Lake</li> <li>4) Aquatic plant community mapping and analysis</li> <li>5) Water quality sampling - secchi, P, Chla, DO, and Temp during survey period</li> <li>6) Watershed and land use analysis</li> <li>7) Develop APM Plan.</li> </ol>	10/1/2006	12/31/2009	COMPLETE
Comprehensive Planning Studies	14852182	10/1/2006		PROPOSED
Grant Awarded	<p>Lower Ninemile Lake - The Town of Washington is sponsoring a large scale lake planning grant to study Upper and Lower Ninemile Lakes in Vilas County with a study completion date of June 30, 2008. The Town of Lincoln, Town of Cloverland, and City of Eagle River, are project partners. The project will focus on developing an Aquatic Plant Management (APM) Plan for each lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> <li>1) Data review, project kick-off meeting and project final meeting</li> <li>2) Develop public questionnaire and prepare educational article</li> <li>3) Point-intercept (PI) survey of aquatic plants with 2 sets of pressed plants from Lower Ninemile Lake</li> <li>4) Aquatic plant community mapping and analysis</li> <li>5) Water quality sampling - secchi, P, Chla, DO, and Temp during survey period</li> <li>6) Watershed and land use analysis</li> <li>7) Develop APM Plan.</li> </ol>	10/1/2006	10/1/2006	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
1605000	1	Ninemile Creek	Ninemile Creek

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1605000	2	Ninemile Creek	Ninemile Creek
1605200	1	Lower Ninemile Lake	Lower Ninemile Lake
1608300	1	Upper Ninemile Lake	Upper Ninemile Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
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### 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
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### Documents

Title	Description	Author	Published	Comments
Aquatic Plant Management Plan Lower Ninemile Lake Vilas County, Wisconsin	Northern Environmental Technologies completed an aquatic plant survey on Lower Ninemile Lake in summer of 2007, which identified twenty-four aquatic plant species. The most abundant aquatic plants identified during the survey were northern wild rice ( <i>Zizania palustris</i> ) and bushy pondweed ( <i>Najas flexilis</i> ), fern or Robbins pondweed ( <i>Potamogeton robbinsii</i> ), and nitella ( <i>Nitella</i> sp.). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Lower Ninemile Lake exhibited an FQI value of 29.02, higher than the Wisconsin Northern Ecoregion average (24.3).	Northern Environmental Technologies, Inc.	10/15/2009	

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<p>Aquatic Plant Management Plan: Upper Ninemile Lake Vilas County, Wisconsin</p>	<p>Northern Environmental completed an aquatic plant survey on Upper Ninemile Lake in 2007, which identified eighteen aquatic plant species. The most abundant aquatic plants identified during the survey were northern wild rice (<i>Zizania palustris</i>), watershield (<i>Brasenia schreberi</i>) and common bladderwort (<i>Utricularia vulgaris</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Upper Ninemile Lake exhibited an FQI of 25.25, higher than the state northern ecoregion average (24.3).</p>	<p>Northern Environmental Technologies, Inc.</p>	<p>10/15/2009</p>	
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### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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