

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AEPP-122-08

Name: TOWN OF PRESQUE ISLE: Presque Isle Town Lakes Committee APM Plans

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Education

Status: COMPLETE

Start Date: 4/1/2008

End Date: 6/30/2012

Purpose: The Town of Presque Isle is sponsoring an AIS EPP grant to be completed by December 31, 2009. The project will focus on creating APM Plans for Annabelle, Armour, Cathaline, Horsehead, Lynx, Mabel, Papoose, and Van Vliet Lakes and AIS education and prevention.

Project activities include: 1) Point-intercept surveys; 2) Recruit volunteers and implement a CB/CW program; 3) Conduct AIS citizen lake monitoring following Dept/UW Ext guidelines; 4) Entry of inspection Forms 3200-120 and monitoring Forms 3200-124 and/or 3200-130 onto Dept website; 5) Water quality sampling; 6) Stakeholder participation: Initial/final meetings, public survey; 7) Develop project report.

Project deliverables include: 1) Point-intercept survey data; 2) Completed entry of inspection Forms 3200-120 onto Dept website; 3) AIS educational and prevention activities; 4) Final report summarizing CB/CW activities, AIS educational activities, and APM Plan.

Specific Conditions for this project: Final report needs Dept review and approval

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of final report, all annual reports, survey data, and samples of educational and outreach products.

Objective:**Comments:** Grantee is TOWN OF PRESQUE ISLE**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Town of Presque Isle,	GRANT_RECIPIENT	COMPLETE	4/1/2008	6/30/2012	Town of Presque Isle	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Annabelle Lake	4/1/2008	12/31/2009	COMPLETE
Watercraft Inspections Clean Boats, Clean Waters		4/1/2008		PROPOSED
Grant Awarded	Horsehead lake	4/1/2008	12/31/2009	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Grant Awarded	Lynx Lake	4/1/2008	12/31/2009	COMPLETE
Grant Awarded	Van Vliet Lake	4/1/2008	12/31/2009	COMPLETE
Grant Awarded	Papoose Lake	4/1/2008	12/31/2009	COMPLETE
Grant Awarded	Armour Lake	4/1/2008	12/31/2009	COMPLETE
Grant Awarded	Cathaline Lake	4/1/2008	12/31/2009	COMPLETE
Grant Awarded	Mabel Lake	4/1/2008	12/31/2009	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2327800	3	Papoose Creek	Papoose Creek
2328700	1	Papoose Lake	Papoose Lake
2337600	1	Mabel Lake	Mabel Lake
2758200	1	Cathaline Lake	Cathaline Lake
2952500	1	Crab Creek	Crab Creek
2953100	1	Horsehead Lake	Horsehead Lake
2953200	1	Armour Lake	Armour Lake
2953700	1	Junction Creek	Junction Creek
2953800	1	Anna Lake	Annabelle Lake
2954500	1	Lynx Lake	Lynx Lake
2956700	1	Averill Lake (Presque Isle Chain)	Averill Lake
2956800	1	Van Vliet Lake (Presque Isle Chain)	Van Vliet Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
AS008	AQUATIC INVASIVE SPECIES (PLANNING GRANT)	1/1/1960	12/31/2099
AS009	AQUATIC INVASIVE SPECIES (PLANNING GRANT)	1/1/1960	12/31/2099
AS010	AQUATIC INVASIVE SPECIES (PLANNING GRANT)	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
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Wisconsin Department of Natural Resources SWIMS Project Summary

Documents

Title	Description	Author	Published	Comments
Report - Aquatic Plant Management Plan - Annabelle Lake	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Annabelle Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Annabelle Lake. The Annabelle Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system; which are discussed below. Northern Environmental completed an aquatic plant survey on Annabelle Lake in 2008, which identified eighteen aquatic plant species. The most abundant aquatic plants identified during the survey were quillwort (<i>Isoetes</i> sp.), large-purple bladderwort (<i>Utricularia purpurea</i>), and dwarf watermilfoil (<i>Myriophyllum tenellum</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Annabelle Lake exhibited an FQI of 34.4, higher than the state northern ecoregion average (24.3).</p>	Bonestroo	9/30/2011	

Wisconsin Department of Natural Resources SWIMS Project Summary

Report - Aquatic Plant Management Plan - Armour Lake	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Armour Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Armour Lake. The Armour Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system, which are discussed below. Northern Environmental completed an aquatic plant survey on Armour Lake in 2008, which identified twelve aquatic plant species. The most abundant aquatic plants identified during the survey were large-leaf pondweed (<i>Potamogeton amplifolius</i>), fern pondweed (<i>Potamogeton robbinsii</i>), and dwarf watermilfoil (<i>Myriophyllum tenellum</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Armour Lake exhibited an FQI of 24.53, slightly higher than the state northern ecoregion average (24.3).</p>	Bonestroo	9/30/2011	
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Wisconsin Department of Natural Resources SWIMS Project Summary

<p>Report - Aquatic Plant Management Plan - Cathaline Lake</p>	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Cathaline Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Cathaline Lake. The Cathaline Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake systems, which are discussed below. Northern Environmental completed an aquatic plant survey on Cathaline Lake in 2008, which identified twelve aquatic plant species. The most abundant aquatic plants identified during the survey were nitella (<i>Nitella</i> sp.), dwarf watermilfoil (<i>Myriophyllum tenellum</i>), and waterwort (<i>Elatine minima</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Cathaline Lake exhibited an FQI of 25.98, slightly higher than the state northern ecoregion average (24.3).</p>	<p>Bonestroo</p>	<p>9/30/2011</p>	
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Wisconsin Department of Natural Resources SWIMS Project Summary

<p>Report - Aquatic Plant Management Plan - Horsehead Lake</p>	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Horsehead Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Horsehead Lake. The Horsehead Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system, which are discussed below. Northern Environmental completed an aquatic plant survey on Horsehead Lake in 2008, which identified twenty six aquatic plant species. The most abundant aquatic plants identified during the survey were common waterweed (<i>Elodea canadensis</i>), fern pondweed (<i>Potamogeton robbinsii</i>), and flat-stem pondweed (<i>Potamogeton zosteriformis</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Horsehead Lake exhibited an FQI of 32.16, higher than the state northern ecoregion average (24.3).</p>	<p>Bonestroo</p>	<p>9/30/2011</p>	
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Wisconsin Department of Natural Resources SWIMS Project Summary

Report - Aquatic Plant Management Plan - Lynx Lake	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Lynx Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Lynx Lake. The Lynx Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system, which are discussed below. Northern Environmental completed an aquatic plant survey on Lynx Lake in 2008, which identified twenty six aquatic plant species. The most abundant aquatic plants identified during the survey were dwarf watermilfoil (<i>Myriophyllum tenellum</i>), water bulrush (<i>Schoenoplectus subterminalis</i>), and brown-fruited rush (<i>Juncus pelocarpus</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Lynx Lake exhibited an FQI of 30.72, higher than the state northern ecoregion average (24.3).</p>	Bonestroo	9/30/2011	
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Wisconsin Department of Natural Resources SWIMS Project Summary

Report - Aquatic Plant Management Plan - Mabel Lake	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Mabel Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Mabel Lake. The Mabel Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system, which are discussed below. Northern Environmental completed an aquatic plant survey on Mabel Lake in 2008, which identified seven aquatic plant species. The most abundant aquatic plants identified during the survey were nitella (<i>Nitella</i> sp.), watershield (<i>Brasenia schreberi</i>), and creeping bladderwort (<i>Utricularia gibba</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Mabel Lake exhibited an FQI of 20.79, slightly lower than the state northern ecoregion average (24.3) and State average (22.2).</p>	Bonestroo	9/30/2011	
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Wisconsin Department of Natural Resources SWIMS Project Summary

<p>Report - Aquatic Plant Management Plan - Papoose Lake</p>	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Papoose Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Papoose Lake. The Papoose Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system, which are discussed below. Northern Environmental completed an aquatic plant survey on Papoose Lake in 2008, which identified twelve aquatic plant species. The most abundant aquatic plants identified during the survey were large-leaf pondweed (<i>Potamogeton amplifolius</i>), common waterweed (<i>Elodea canadensis</i>), and spatterdock (<i>Nuphar variegata</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Papoose Lake exhibited an FQI of 23.38, comparable to the state northern ecoregion average (24.3) and higher than the State average of (22.2).</p>	<p>Bonestroo</p>	<p>9/30/2011</p>	
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Wisconsin Department of Natural Resources SWIMS Project Summary

<p>Report - Aquatic Plant Management Plan - Van Vliet Lake</p>	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Van Vliet Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Van Vliet Lake. The Van Vliet Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system, which are discussed below. Northern Environmental completed an aquatic plant survey on Van Vliet Lake in 2008, which identified twenty three aquatic plant species. The most abundant aquatic plants identified during the survey were fern pondweed (<i>Potamogeton robbinsii</i>), coontail (<i>Ceratophyllum demersum</i>), and common waterweed (<i>Elodea canadensis</i>). The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Van Vliet Lake exhibited an FQI of 30.23, higher than the state northern ecoregion average (24.3).</p>	<p>Bonestroo</p>	<p>9/30/2011</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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