

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1137-07
Name: TOWN OF WASHINGTON: Anvil, Boot & Deerskin Lakes Limnological Baseline Studies & APM Plans
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 10/01/2006
End Date: 12/31/2009
Purpose: The Town of Washington is sponsoring a large scale lake planning grant to study Anvil, Boot and Deerskin Lakes in Forest and Vilas Counties 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 Mangement (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 Deerskin Lake
- 4) Aquatic plant community mapping and analysis
- 5) Water quality sampling - secchi, P, Chla, and DO through citizen lake monitor and Temp during survey period for Anvil Lake, - secchi, P, and Chla through citizen lake monitor and DO and Temp during aquatic plant sampling for Deerskin Lake - secchi, DO, P, Chla, and Temp during survey period for Boot Lake
- 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 Deerskin 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 needs 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 Deerskin 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_RECIPII	ACTIVE	10/01/2006	12/31/2009	Town of Washington	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Boot Lake - The Town of Washington is sponsoring a large scale lake planning grant to study Anvil, Boot and Deerskin Lakes in Forest and Vilas Counties 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 Mangement (APM) Plan for each lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> 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 Deerskin Lake 4) Aquatic plant community mapping and analysis 5) Water quality sampling - secchi, P, Chla, and DO through citizen lake monitor and Temp during survey period for Anvil Lake, - secchi, P, and Chla through citizen lake monitor and DO and Temp during aquatic plant sampling for Deerskin Lake - secchi, DO, P, Chla, and Temp during survey period for Boot Lake 6) Watershed and land use analysis 7) Develop APM Plans <p>Project deliverables include:</p> <ol style="list-style-type: none"> 1) Public questionnaire and educational article 2) PI data and aquatic plant community and watershed maps 3) 2 sets of pressed aquatic plants from Deerskin Lake (one set for lake group and second for Dept) 4) Water quality sampling results 5) APM Plans <p>Specific conditions for this project:</p> <ul style="list-style-type: none"> - Draft of public questionnaire should be submitted to Lakes Management Coordinator for review before sending to public - APM Plans needs Dept review and approval <p>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</p>	10/01/2006	10/01/2006	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
	water quality sampling, all maps from project, and a set of pressed aquatic plants from Deerskin Lake.			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Deerskin Lake - The Town of Washington is sponsoring a large scale lake planning grant to study Anvil, Boot and Deerskin Lakes in Forest and Vilas Counties 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 Mangement (APM) Plan for each lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> 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 Deerskin Lake 4) Aquatic plant community mapping and analysis 5) Water quality sampling - secchi, P, Chla, and DO through citizen lake monitor and Temp during survey period for Anvil Lake, - secchi, P, and Chla through citizen lake monitor and DO and Temp during aquatic plant sampling for Deerskin Lake - secchi, DO, P, Chla, and Temp during survey period for Boot Lake 6) Watershed and land use analysis 7) Develop APM Plans <p>Project deliverables include:</p> <ol style="list-style-type: none"> 1) Public questionnaire and educational article 2) PI data and aquatic plant community and watershed maps 3) 2 sets of pressed aquatic plants from Deerskin Lake (one set for lake group and second for Dept) 4) Water quality sampling results 5) APM Plans <p>Specific conditions for this project:</p> <ul style="list-style-type: none"> - Draft of public questionnaire should be submitted to Lakes Management Coordinator for review before sending to public - APM Plans needs Dept review and approval <p>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</p>	10/01/2006	10/01/2006	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
	water quality sampling, all maps from project, and a set of pressed aquatic plants from Deerskin Lake.			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Anvil Lake - The Town of Washington is sponsoring a large scale lake planning grant to study Anvil, Boot and Deerskin Lakes in Forest and Vilas Counties 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 Mangement (APM) Plan for each lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> 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 Deerskin Lake 4) Aquatic plant community mapping and analysis 5) Water quality sampling - secchi, P, Chla, and DO through citizen lake monitor and Temp during survey period for Anvil Lake, - secchi, P, and Chla through citizen lake monitor and DO and Temp during aquatic plant sampling for Deerskin Lake - secchi, DO, P, Chla, and Temp during survey period for Boot Lake 6) Watershed and land use analysis 7) Develop APM Plans <p>Project deliverables include:</p> <ol style="list-style-type: none"> 1) Public questionnaire and educational article 2) PI data and aquatic plant community and watershed maps 3) 2 sets of pressed aquatic plants from Deerskin Lake (one set for lake group and second for Dept) 4) Water quality sampling results 5) APM Plans <p>Specific conditions for this project:</p> <ul style="list-style-type: none"> - Draft of public questionnaire should be submitted to Lakes Management Coordinator for review before sending to public - APM Plans needs Dept review and approval <p>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</p>	10/01/2006	12/31/2009	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Comprehensive Planning Studies	water quality sampling, all maps from project, and a set of pressed aquatic plants from Deerskin Lake. 14852183	10/01/2006		PROPOSED

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Anvil Lake - The Town of Washington is sponsoring a large scale lake planning grant to study Anvil, Boot and Deerskin Lakes in Forest and Vilas Counties 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 Mangement (APM) Plan for each lake.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> 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 Deerskin Lake 4) Aquatic plant community mapping and analysis 5) Water quality sampling - secchi, P, Chla, and DO through citizen lake monitor and Temp during survey period for Anvil Lake, - secchi, P, and Chla through citizen lake monitor and DO and Temp during aquatic plant sampling for Deerskin Lake - secchi, DO, P, Chla, and Temp during survey period for Boot Lake 6) Watershed and land use analysis 7) Develop APM Plans <p>Project deliverables include:</p> <ol style="list-style-type: none"> 1) Public questionnaire and educational article 2) PI data and aquatic plant community and watershed maps 3) 2 sets of pressed aquatic plants from Deerskin Lake (one set for lake group and second for Dept) 4) Water quality sampling results 5) APM Plans <p>Specific conditions for this project:</p> <ul style="list-style-type: none"> - Draft of public questionnaire should be submitted to Lakes Management Coordinator for review before sending to public - APM Plans needs Dept review and approval <p>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</p>	10/01/2006	10/01/2006	COMPLETE

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Action	Detailed Description	Start	End Date	Status
	water quality sampling, all maps from project, and a set of pressed aquatic plants from Deerskin Lake.			

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
968800	1	Anvil Lake	Anvil Lake
1600600	1	Little Deerskin River	Little Deerskin River
1601300	1	Deerskin Lake	Deerskin Lake
1619100	1	Boot Lake	Boot Lake
1619200	1	Pickereel Creek (T40n,R9e,S2,Nwsw,64)	Pickereel Creek
1620100	1	Brazell Creek	Brazell Creek

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	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
Anvil Lake Final Report		Town of Kentuck Water Resources Task Force	10/29/2009	
Boot Lake Final Report		Town of Washington Water Resources Task Force	11/02/2009	
Deerskin Lake Final Report		Town of Washington Water Resources Task Force	09/28/2009	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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