Start Date:

### 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

10/1/2006

Status: COMPLETE

**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_RECIPI ENT	ACTIVE	10/1/2006	12/31/2009	Town of Washington		

#### **Project Statuses**

Date	Reported By	Status	Comments		
Actions					
Action		Detailed Description	Start Da	ate End Date	Status
Actions Action Grant Awarde	d	Boot Lake - The Town of Washing sponsoring a large scale lake plan to study Anvil, Boot and Deerskin Forest and Vilas Counties with a scompletion date of June 30, 2008. of Lincoln, Town of Cloverland, an Eagle River are project partners. will focus on developing an Aquati Mangement (APM) Plan for each I Project activities include:  1) Data review, project kick-off me project final meeting 2) Develop public questionnaire are educational article 3) Point-intercept (PI) survey of activity 2 sets of pressed plants from Lake 4) Aquatic plant community mappi analysis 5) Water quality sampling - secchi and DO through citizen lake monit Temp during survey period for Ansecchi, P, and Chla through citizer monitor and DO and Temp during plant sampling for Deerskin Lake -P, Chla, and Temp during survey project Lake 6) Watershed and land use analys 7) Develop APM Plans  Project deliverables include: 1) Public questionnaire and educa 2) PI data and aquatic plant commwatershed maps 3) 2 sets of pressed aquatic plants Deerskin Lake (one set for lake grescond for Dept) 4) Water quality sampling results 5) APM Plans  Specific conditions for this project: - Draft of public questionnaire shot submitted to Lakes Management Coord	tton is ining grant Lakes in study The Town id City of The project c Plant ake.  The triang and ind prepare quatic plants Deerskin ing and ing and ing prepare in the project c Plant ake.  The trown id City of The project c Plant ake.  The project c Plant is prepare in the project c Plant is prepare in the project c Plant is prepare in the project c Plant is prepared in the project c Plant is prepared in the project in the project c Plant is prepared in the project in		Status COMPLETE
		WDNR Lakes Management Coord be provided with an electronic (pdf and hard copy of APM Plans, educ article, public questionnaire, data f watershed and land use analysis, survey, data from water quality sa maps from project, and a set of pro aquatic plants from Deerskin Lake	f or word) cational from data from PI mpling, all essed		

Grant Awarded	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.	10/1/2006	10/1/2006	COMPLETE
	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			
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	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 Pl survey, data from water quality sampling, all maps from project, and a set of pressed aquatic plants from Deerskin Lake.			

Grant Awarded	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.  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	10/1/2006	12/31/2009	COMPLETE
	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			
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Comprehensive Planning Studies	14852183	10/1/2006		PROPOSED

Grant Awarded		Anvil Lake - The Town of Washington is sponsoring a large scale lake planning gran		10/1/2006	COMPLETE
		to study Anvil, Boot and Deerskin Lakes in Forest and Vilas Counties with a study			
		completion date of June 30, 2008. The Tov	wn		
		of Lincoln, Town of Cloverland, and City of			
		Eagle River are project partners. The project will focus on developing an Aquatic Plant	ect		
		Mangement (APM) Plan for each lake.			
		Project activities include:  1) Data review, project kick-off meeting and	d		
		project final meeting			
		<ol> <li>Develop public questionnaire and prepareducational article</li> </ol>	re		
		Point-intercept (PI) survey of aquatic pla	ints		
		with 2 sets of pressed plants from Deerskin			
		Lake 4) Aquatic plant community mapping and			
		analysis			
		5) Water quality sampling - secchi, P, Chlaand 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	r		
		Boot Lake 6) Watershed and land use analysis			
		7) Develop APM Plans			
		Project deliverables include:			
		<ol> <li>Public questionnaire and educational art</li> <li>PI data and aquatic plant community and</li> </ol>			
		watershed maps	<b>4</b>		
		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 Coordinate	tor		
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		- APM Plans needs Dept review and appro-	val		
		WDNR Lakes Management Coordinator wi			
		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 survey, data from water quality sampling, a			
		maps from project, and a set of pressed			
		aquatic plants from Deerskin Lake.			
<b>Monitoring Stations</b>					
Station ID	Name		Comments		

### **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	Pickerel Creek (T40n,R9e,S2,Nwsw,64)	Pickerel Creek
1620100	1	Brazell Creek	Brazell Creek

**Lab Account Codes** 

Account Code Description Start Date End Date

**Forms** 

Form Code Form Name

**Methods** 

Method Code Method Description

**Fieldwork Events** 

Start Date Status Field ID Station ID Station Name

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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	11/2/2009	
Deerskin Lake Final Report		Town of Washington Water Resources Task Force	9/28/2009	

### **Budget**

**Combined Budgets:** 

**Combined WSLH:** 

Combined Total: \$0.00

Funding					
Organization	Source	Туре	Amount	Start Date	<b>End Date</b>