

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI-134-13
Name: LONG LAKE PROT & REHAB DIST: Long Lake Curly Leaf Pond Weed Control - 2 Year Project
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Control
Status: COMPLETE
Start Date: 04/01/2013
End Date: 12/31/2016
Purpose: Long Lake P&R District is sponsoring a 2-yr project to implement approved activities from the Long Lake Aquatic Plant Management Plan.

Project deliverables include GIS data & maps of areas monitored, aquatic plant & turion monitoring results, examples of AIS education & outreach, AIS monitoring & watercraft inspection data in SWIMS, management/treatment summaries.

Specific project activities include: 1) Curly-leaf pondweed chemical & manual control; 2) Pre-post treatment aquatic plant monitoring; 3) Turion monitoring; 4) Planting native aquatic plants; 5) Watercraft inspections; 6) AIS education & monitoring.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring; 2) Sponsor shall contact DNR immediately if a new AIS is found; 3) AIS monitoring and watercraft inspection personnel shall be trained and follow DNR approved protocols.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lakes Biologist.

Objective:
Comments: Grantee is LONG LAKE PROT & REHAB DIST
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Long Lake P & R District,	GRANT_RECIPII	ACTIVE	06/13/2013		Long Lake P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Project Deliverable	management and treatment summaries	04/01/2013	06/30/2015	PROPOSED
Watercraft Inspections Clean Boats, Clean Waters		04/01/2013	06/30/2015	PROPOSED
Information and Education		04/01/2013	06/30/2015	PROPOSED
APM Mechanical Permit Request		04/01/2013	06/30/2015	PROPOSED
Details:	Parameter	Value/Amount	Units	Comments
	Total Acres harvested			
	Total pounds of plants harvested			
Aquatic Plant Monitoring or Survey		04/01/2013	06/30/2015	PROPOSED
Monitor Pre and Post Treatment		04/01/2013	06/30/2015	PROPOSED
Map Invasive Species	GIS maps and data of monitored areas	04/01/2013	06/30/2015	PROPOSED

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Action	Detailed Description	Start	End Date	Status
Grant Awarded		04/01/2013	06/30/2015	COMPLETE

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request		04/01/2013	06/30/2015	PROPOSED
Details:	Parameter	Value/Amount	Units	Comments
	24D Granular, # Acres			
	24D Granular, # Pounds			
	24D Liquid, # Acres			
	24D Liquid, # Pounds			
	Acres Treated - 1997 to 2003			
	Amount of Chemicals used - 1997 to 2003			
	Aqua-Pro Acres			
	Aqua-Pro Gallons			
	Aquacide, # Pounds			
	Aquaneat Acres			
	Aquaneat Gallons			
	Aquashade Acres			
	Aquashade Pounds			
	Aquastar Acres			
	Aquastar Gallons			
	Aquathol Acres			
	Aquathol Gallons			
	Aquathol K Acres			
	Aquathol K Gallons			
	Aquathol, # Pounds			
	Avast Acres			
	Avast Gallons			
	Chemicals Used - 1997 to 2003			
	Clearcast Acres			
	Clearcast Gallons			
	Clearigate Acres			
	Clearigate Gallons			
	Comments			
	Contains Herbicide totals			
	Copper Acres			
	Copper Liquid, # Acres			
	Copper Liquid, # Gallons			
	Copper Pounds			
	Citrine Acres			
	Citrine Liquid Acres			
	Citrine Liquid Gallons			
	Citrine Plus Acres			
	Citrine Plus Liquid Acres			
	Citrine Plus Liquid Gallons			
	Citrine Plus Pounds			
	Citrine Pounds			
	Citrine Ultra Acres			
	Citrine Ultra Gallons			
	DMA 4 IVM Acres			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	DMA 4 IVM Gallons			
	Did Treatments Occur			
	Diquat Acres			
	Diquat Gallons			
	Diquat Liquid Acres			
	Diquat Pounds			
	Endotholl Acres			
	Endotholl Liquid Acres			
	Endotholl Liquid Gallons			
	Endotholl Pounds			
	Fee			
	Floridone Acres			
	Floridone Gallons			
	Glyphosate Acres			
	Glyphosate Gallons			
	Glyphosate Liquid Acres			
	Glyphosate Pounds			
	Green Clean Acres			
	Green Clean Gallons			
	H2O2 Acres			
	H2O2 Pounds			
	Habitat Acres			
	Habitat Gallons			
	Harvester Acres			
	Harvester Gallons			
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?			
	Hydrothol Acres			
	Hydrothol Gallons			
	Imazapyr Acres			
	Imazapyr Gallons			
	Nautique Acres			
	Nautique Gallons			
	Navigate Acres			
	Navigate, # Pounds			
	Onsite Supervision Present?			
	Permit #			
	Phycomycin Acres			
	Phycomycin Pounds			
	Polaris Acres			
	Polaris Gallons			
	Refuge Acres			
	Refuge Gallons			
	Reward Acres			
	Reward Gallons			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Reward Liquid Acres				
Reward Pounds				
Rodeo Acres				
Rodeo Gallons				
SCI-62 Acres				
SCI-62 Gallons				
Sculpin G Acres				
Sculpin G Pounds				
SeClear Acres				
SeClear Gallons				
ShoreKlear Acres				
ShoreKlear Gallons				
Sonar AS Gallons				
Sonor AS Acres				
Touchdown Pro Acres				
Touchdown Pro Gallons				
Treatment Date				
Treatment Date Series				
Tribune Acres				
Tribune Gallons				
Vectobac Acres				
Vectobac Gallons				
Project Deliverable	Aquatic plant and turion monitoring results	04/01/2013	06/30/2015	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10004779	Long Lake - T34 R17W S6	

Assessment Units

WBIC	Segment	Local Name	Official Name
2478200	1	Long Lake T34n R17w S06	Long 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	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

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Title	Description	Author	Published	Comments
Curly-leaf pondweed (Potamogeton crispus) Point-Intercept and Bed Mapping Surveys, and Warm-water Macrophyte Point-intercept Survey	Long Lake (WBIC 2478200) is a 272 acre eutrophic seepage lake located in central Polk County, WI. In 2010, the Long Lake Protection and Rehabilitation District, under the direction of Harmony Environmental, developed an Aquatic Plant Management Plan that authorized chemical treatment of the lake's Curly-leaf pondweed (Potamogeton crispus) infestation. As a prerequisite to updating this plan in 2017 and to compare how the lake's vegetation had changed since the last point-intercept surveys in 2012, the LLPRD and the Wisconsin Department of Natural Resources authorized CLP density and bed mapping surveys on June 11th, and a full point-intercept survey for all aquatic macrophytes from July 23-24, 2016.	Endangered Resource Services, LLC	07/24/2016	
Curly-leaf pondweed (Potamogeton crispus) Pre/Post Herbicide, Bed Mapping, and Turion Surveys	Initial expectations were to treat six beds totaling 49.88 (Table 1). Following the pretreatment survey, it was decided to trim all beds inward and completely eliminate treatment in Bed 7 as these areas had little or no CLP present. This reduction of 23.28 acres represented a nearly 53% decline from initial expectations. Treatment occurred on May 28th, 2013 with Northern Aquatics (Dresser, WI) applying Aquathol K (Endothall) at a rate of 2.0-2.5 ppm (252.4 total gallons). The reported water temperatures at the time of treatment were 58.0°F which was within the recommended treatment temperature range of 50 - 60°F. Wind speeds were reported to be 0-4mph.	Endangered Resource Services, LLC	11/15/2013	
Draft: Long Lake, Polk County Endothall Concentration Monitoring Summary, 2013	On 28 May 2013, a number of areas totaling 26.6 acres were treated with a liquid formulation of endothall (Aquathol K) to control curly-leaf pondweed (Potamogeton crispus). The endothall was applied at a target concentration of 2000 ug/L (2.0 mg/L) active ingredient (ai) to treatment area 1, and 2500 ug/L ai (2.5 mg/L ai) to the remaining treatment areas. Endothall application rates are specified as active ingredient (ai) in the product label, while endothall chemical analysis is specified as acid equivalent (ae). A concentration of 2000 ug/L ai is equal to 1420 ug/L ae and 2500 ug/L ai is equal to 1774 ug/L ae	John Skogerboe	01/04/2014	

Budget

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Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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