

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AIRR-114-12  
**Name:** DELAVAN LAKE SD: Delavan Lake Water Pennywort Control  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Early Detection and Response  
**Status:** COMPLETE  
**Start Date:** 09/28/2011  
**End Date:** 12/31/2012  
**Purpose:** Water pennywort (*Hydrocotyle ranunculoides*), a non native aquatic plant species, was discovered in the Delavan Lake inlet in the fall of 2010. The plant was hand pulled a number of times and the population was not appearing to spread. The plant spread to multiple locations in the inlet, outlet and the channel between in September 2011, and is now considered invasive. The Delavan Lake Sanitary District (DLSD) will hire a contractor to treat the water pennywort with liquid 2,4 D and a surfactant in the fall of 2011 as well as multiple times in 2012. DLSD staff will continue to monitor the progress of the plant in Delavan Lake.

Project deliverables include 1) before and after photographs documenting the effects of the chemical treatment on the water pennywort; 2) text to explain the photographs and 3) a field log to be completed by DLSD staff documenting the monitoring (of the extent of the infestation) and evaluation of the effectiveness of treatment. Weather conditions the day of chemical treatment and each of the subsequent 14 days should be documented in the log.

**Objective:****Comments:** Grantee is DELAVAN LAKE SD**Outcome:****Study Design:****QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Delavan Lake Sanitary Distric	GRANT_RECIP	COMPLETE	09/28/2011	12/31/2012	Delavan Lake Sanitary District	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded		09/28/2011	12/31/2012	COMPLETE
Project Deliverable	1) before and after photographs documenting the effects of the chemical treatment on the water pennywort; 2) text to explain the photographs and 3) a field log to be completed by DLSD staff documenting the monitoring (of the extent of the infestation) and evaluation of the effectiveness of treatment. Weather conditions the day of chemical treatment and each of the subsequent 14 days should be documented in the log.	09/28/2011	12/31/2012	PROPOSED

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request		09/28/2011	12/31/2012	PROPOSED
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	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				
Aquatic Plant Monitoring or Survey		09/28/2011	12/31/2012	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
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### 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
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### Budget

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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