

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AEPP-325-12  
**Name:** SAND LAKE MANAGEMENT DISTRICT: Sand Lake 2012 - 2014 AIS Education Support Project  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Education  
**Status:** COMPLETE  
**Start Date:** 10/01/2011  
**End Date:** 06/30/2015  
**Purpose:** The Sand Lake Management District is sponsoring a 3 yr AIS prevention & education project to implement their APM plan, continue boat inspection/education program; AIS control, shoreline Best Management Practice (BMP) educational outreach; and monitoring.

Deliverables include a comprehensive report with: 1) A summary of project accomplishments and progress including APM plan implementation, data collected, CB/CW program, and monitoring; 2) CB/CW report including time and number of people reached and survey results; daily results will be entered into SWIMS database; 3) Verification of workshops/training such as agendas and attendance lists; 4) Report on public outreach including copies of educational materials paid by this grant; 5) Report on public outreach/demo site for riparian BMP; 6) Report on AIS treatment, pre/post survey, and residual testing; 7) Report on marker buoys; 8) Report on monitoring observations of any detected invasive species with appropriate maps; 9) AIS related materials generated or paid for by this grant.

Special conditions for this project: The sponsor shall immediately contact the DNR if a new aquatic invasive species is found.

This scope summarizes details provided in the grant 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 AIS Coordinator. It is recommended that Grantee provide AIS Coordinator with a draft final report. If a consultant is to provide a final report, it is recommended that the Grantee provide DNR AIS Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. The DNR shall receive a paper and electronic copy of the final report.

**Objective:**  
**Comments:** Grantee is SAND LAKE MANAGEMENT DISTRICT  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Sand Lake Management Dist	GRANT_RECIP	ACTIVE	10/01/2011		Sand Lake Management District	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Watercraft Inspections Clean Boats, Clean Waters		10/01/2011	06/30/2015	PROPOSED
Information and Education		10/01/2011	06/30/2015	PROPOSED
Aquatic Plant Monitoring or Survey		10/01/2011	06/30/2015	PROPOSED
Project Deliverable	Summary Report	10/01/2011	06/30/2015	PROPOSED
Grant Awarded		10/01/2011	06/30/2015	COMPLETE
Monitor Invasive Species		10/01/2011	06/30/2015	PROPOSED
Monitor Pre and Post Treatment		10/01/2011	06/30/2015	PROPOSED

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<b>Action</b>	<b>Detailed Description</b>	<b>Start</b>	<b>End Date</b>	<b>Status</b>
Informational Meetings		10/01/2011	06/30/2015	PROPOSED
Hold Workshops		10/01/2011	06/30/2015	PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	10/01/2011	06/30/2015	PROPOSED

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request		10/01/2011	06/30/2015	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				

### 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
Eurasian water milfoil (Myriophyllum spicatum) Pre/Post Herbicide and Fall	Initial expectations were to treat 16 areas totaling 21.10 acres with granular 2, 4-D (Navigate) at a	Endangered Resource Services, LLC	10/15/2012	

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Title	Description	Author	Published	Comments
Bed Mapping Surveys 2012	<p>concentration of 1.5 ppm (Table 1). The pretreatment survey revealed that, although EWM was patchy, it was found on point or interpoint in all areas. Because of this, it was decided to maintain all treatment areas as proposed. This initial treatment was conducted by Northern Aquatics Services on June 18th (Figure 3) (Appendix I). On June 28th, 189 spot treatments in the <math>\zeta S \zeta</math> areas added two additional acres to this total. Following the posttreatment survey, a July 30 spot treatment of 43 spots located throughout the lake covered 0.25 acres. This was followed by another 51 spots covering 0.50 acres on September 5th.</p>			
Eurasian water milfoil (Myriophyllum spicatum) Pre/Post Herbicide and Fall Bed Mapping Surveys 2013	<p>Initial expectations were to treat 12 areas totaling 7.02 acres with liquid or granular 2, 4-D (Navigate) at a concentration of 1.5-3ppm (Figure 3) (Appendix I). The pretreatment survey revealed that, although EWM was patchy, it was found on point or interpoint in all areas. Because of this, it was decided to maintain all treatment areas as initially proposed (Table 1). This treatment was conducted by Northern Aquatics Services (Dale Dressel) on July 8th.</p>	Endangered Resource Services, LLC	10/15/2013	
Eurasian water milfoil (Myriophyllum spicatum) Pre/Post Herbicide and Fall Bed Mapping Surveys 2014	<p>Initial expectations were to treat 34 areas totaling 9.83 acres with liquid or granular 2, 4-D (Navigate/Sculpin G/DMA4) at concentrations of 3-4pp (Figure 3) (Appendix I). Unfortunately, the pretreatment survey found that EWM was more widespread than expected. Because of this, the treatment was revised to include 21 areas covering 15.27 acres (Table 1). This treatment was conducted by Dale Dressel - Northern Aquatics Services (NAS) on June 25th. Based on additional documents provided by NAS, three additional herbicide treatments covering 2.05 acres and 223 individual <math>\zeta</math> spots <math>\zeta</math> occurred on July 15, August 20th, and September 30th (Table 1).</p>	Endangered Resource Services, LLC	11/15/2014	

### Budget

Combined Budgets:  
 Combined SLOH:  
 Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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