

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** ACEI22018  
**Name:** LAKESHORE NATURAL RESOURCES PARTNERSHIP INC.: Sheboygan County Japanese Knotweed Control - Phase 1  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Control  
**Status:** ACTIVE  
**Start Date:** 04/15/2018  
**End Date:** 12/31/2020  
**Purpose:** The Lakeshore Natural Resource Partnership is sponsoring a project to control Japanese Knotweed in two control areas of Sheboygan County.

Project activities include: 1) consolidation of existing mapped Japanese Knotweed stands into one GIS based web map; 2) multiple mowing of stands; 3) chemical treatment of stands; 4) reseeding with native plants in treated areas where appropriate and feasible; 5) educational outreach with volunteers and youth groups; 6) coordination of trainings for volunteers; and 7) development of a long term control strategy with local units of government.

Project deliverables include: 1) Biannual progress reports detailing the past six months\2019 activities and accomplishments; 2) a final report showing maps of treated areas, tables of activities, summaries of the efforts and a description of the successes and shortcomings of the project; 3) electronic copies of GIS maps, treatment records and the final report.

Specific project conditions: A draft copy of the final report will be provided to the WDNR for review before the report is finalized. WDNR will be provided electronic and hard copies of data and reports/plans generated as a result of this project.

If consultant is to provide final report, it is recommended that Grantee provide DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR to receive both paper and electronic .pdf copies of the final report along with, or prior to submission of grantee's final payment request.

**Objective:**

**Comments:** Grantee is LAKESHORE NATURAL RESOURCES PARTNERSHIP INC.

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Lakeshore Natural Resource	GRANT_RECIPII	ACTIVE	02/04/2019		Lakeshore Natural Resource Partnership Inc	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant ACEI22018 awarded	04/15/2018	12/31/2020	COMPLETE

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	07/10/2018	07/25/2018	APPROVED
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Broad-leaved cattail (Typha latifolia)	N		
	Business Location License	N/A		
	CHEMICAL_PERMIT_ID	6780		
	CO - # days	11		
	CO - 15 days	Y		
	CO - Date Sent	7/25/2018		
	CO-Date_Received	7/10/2018		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemicals - Approved	N/A		
	Comments	N/A		
	Common arrowhead (Sagittaria latifolia)	N		
	Common reed (Phragmites australis)	N		
	Common waterweed (Elodea canadensis)	N		
	Control - Algae	N		
	Control - Emergent water plants	Y		
	Control - Floating water plants	N		
	Control - Nuisance algae	N		
	Control - PL	N		
	Control - Submerged water plants	N		
	Coontail (Ceratophyllum demersum)	N		
	Curly-leaf pondweed (Potamogeton crispus)	N		
	Entered in SharePoint	N		
	Estimated Acres	0		
	Eurasian water-milfoil (Myriophyllum spicatum)	N		
	Fee	0		
	Field - # days	Y		
	Field Issued By	Mary_Gansberg		
	Filamentous Algae	N		
	Improvement - swimming	N		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	N		
	Large Scale Treatment Form	N		
	Large-leaf pondweed (Potamogeton amplifolius)	N		
	Maintain navigational channel	N		
	Maintain private access - boating	N		
	Maintain private access - fishing	N		
	Muskgrasses (Chara )	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
NUISANCE_CAUSED_OTHER	N			
Native Plants	N			
Next Steps	Mary Gansberg			
Other Plants	Phragmites and Japanese Knotwe			
Payment Number	EXEMPT			
Permit County	Manitowoc			
Permit End Year	2018			
Permit Latitude	44.0934			
Permit Longitude	-87.6561			
Permit PLSS Section	N/A			
Permit Start Year	2018			
Permit WBIC	N/A			
Pithophora	N			
Planktonic Algae	N			
Private Pond	N			
Purple loosestrife (Lythrum salicaria)	N			
SharePoint Submittal	Y			
Softstem bulrush (Schoenoplectus tabernaemontani)	N			
Sogo pondweed (Stuckenia pectinata)	N			
TREATMENT_AREA	Manitowoc and Sheboygan County			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	WETLAND			

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	07/11/2018	07/11/2018	APPROVED
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	APM Plan	N/A		
	Broad-leaved cattail (Typha latifolia)	N		
	Business Location License	N/A		
	CHEMICAL_PERMIT_ID	0		
	CO - # days	1		
	CO - Date Sent	7/11/2018		
	CO-Date_Received	7/11/2018		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemicals - Approved	Habitat, Aquaneat, Round-up		
	Chemicals Permitted Previous Year	All		
	Comments	N/A		
	Common arrowhead (Sagittaria latifolia)	N		
	Common reed (Phragmites australis)	Y		
	Common waterweed (Elodea canadensis)	N		
	Control - Algae	N		
	Control - Emergent water plants	Y		
	Control - Floating water plants	N		
	Control - Submerged water plants	N		
	Coontail (Ceratophyllum demersum)	N		
	Curly-leaf pondweed (Potamogeton crispus)	N		
	Estimated Acres	0		
	Eurasian water-milfoil (Myriophyllum spicatum)	N		
	Expiration Date	12/1/2018		
	Fee	1270		
	Field - # days	Y		
	Field Issued By	Craig_Helker		
	Filamentous Algae	N		
	Improvement - swimming	N		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	N		
	Large Scale Treatment Form	N		
	Large-leaf pondweed (Potamogeton amplifolius)	N		
	Maintain navigational channel	N		
	Maintain private access - boating	N		
	Maintain private access - fishing	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Method of Application	N/A			
Muskgrasses (Chara )	N			
NUISANCE_CAUSED_OTHER	N			
Native Plants	N			
Other Plants	Phragmites and Japanese Knotwe			
Overflow Controlled	N/A			
Payment Number	WP-00014277			
Permit County	Sheboygan			
Permit End Year	2018			
Permit Latitude	44.0934			
Permit Longitude	-87.6561			
Permit PLSS Section	N/A			
Permit Start Year	2018			
Permit WBIC	N/A			
Pithophora	N			
Planktonic Algae	N			
Private Pond	N			
Purple loosestrife (Lythrum salicaria)	N			
Sensitive Area	N/A			
Softstem bulrush (Schoenoplectus tabernaemontani)	N			
Sogo pondweed (Stuckenia pectinata)	N			
Surface Water Discharge	N/A			
TREATMENT_AREA	Manitowoc and Sheboygan County			
Treatment Date	N			
Treatment Date	N			
WPDES Coverage	N/A			
Waterbody Type	WETLAND			

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	09/19/2018	09/19/2018	COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	24D Granular, # Acres	0		
	24D Granular, # Pounds	0		
	24D Liquid, # Acres	0		
	24D Liquid, # Pounds	0		
	Air Temperature	66		
	Air Temperature Units	F		
	Aqua-Pro Acres	0		
	Aqua-Pro Gallons	0		
	Aquaneat Acres	0		
	Aquaneat Gallons	49		
	Aquashade Acres	0		
	Aquashade Pounds	0		
	Aquastar Acres	0		
	Aquastar Gallons	0		
	Aquathol Acres	0		
	Aquathol Gallons	0		
	Aquathol K Acres	0		
	Aquathol K Gallons	0		
	Aquathol Super K, # Acres	0		
	Aquathol Super K, # Pounds	0		
	Aquathol, # Acres Gallons	0		
	Aquathol, # Pounds	0		
	Avast Acres	0		
	Avast Gallons	0		
	Broad-leaved cattail (Typha latifolia)	SP		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Common reed (Phragmites australis)	TS		
	Contains Herbicide totals	Y		
	Control Comments	Rain in afternoon. See referen		
	Copper Acres	0		
	Copper Liquid, # Acres	0		
	Copper Liquid, # Gallons	0		
	Copper Pounds	0		
	Citrine Acres	0		
	Citrine Liquid Acres	0		
	Citrine Liquid Gallons	0		
	Citrine Plus Acres	0		
	Citrine Plus Liquid Gallons	0		
	Citrine Pounds	0		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Citrine Ultra Acres	0		
	Citrine Ultra Gallons	0		
	DMA 4 IVM Acres	0		
	DMA 4 IVM Gallons	0		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat Liquid Acres	0		
	Diquat Pounds	0		
	Endothol Acres	0		
	Endothol Liquid Acres	0		
	Endothol Liquid Gallons	0		
	Endothol Pounds	0		
	Floridone Acres	0		
	Floridone Gallons	0		
	Glyphosate Acres	0		
	Glyphosate Gallons	0		
	Glyphosate Liquid Acres	0		
	Glyphosate Pounds	0		
	Green Clean Acres	0		
	Green Clean Gallons	0		
	H2O2 Acres	0		
	H2O2 Pounds	0		
	Habitat Acres	0		
	Habitat Gallons	0		
	Harvester Acres	0		
	Harvester Gallons	0		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Hydrothol Acres	0		
	Hydrothol Gallons	0		
	Imazapyr Acres	0		
	Imazapyr Gallons	0		
	Nautique Acres	0		
	Nautique Gallons	0		
	Navigate Acres	0		
	Navigate, # Pounds	0		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		
	Refuge Acres	0		
	Refuge Gallons	0		

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<b>Action</b>	<b>Detailed Description</b>	<b>Start</b>	<b>End Date</b>	<b>Status</b>
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Reward Acres	0		
	Reward Gallons	0		
	Reward Liquid Acres	0		
	Reward Pounds	0		
	Rodeo Acres	0		
	Rodeo Gallons	0		
	SCI-62 Acres	0		
	SCI-62 Gallons	0		
	Sculpin G Acres	0		
	Sculpin G Pounds	0		
	SeClear Acres	0		
	SeClear Gallons	0		
	ShoreKlear Acres	0		
	ShoreKlear Gallons	0		
	Sonar AS Gallons	0		
	Sonor AS Acres	0		
	Touchdown Pro Acres	0		
	Touchdown Pro Gallons	0		
	Treatment Date	9/19/2018		
	Treatment End Time	17:00		
	Treatment Start Time	7:00		
	Tribune Acres	0		
	Tribune Gallons	0		
	Vectobac Acres	0		
	Vectobac Gallons	0		
	Water Temperature	64		
	Water Temperature Units	F		
	Wind Speed	1-5		
APM Chemical Treatment Record			06/14/2019	COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Permit Year	2018		
	Person Completing Form	Justin Streicher		



## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record		06/14/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	60		
	Air Temperature Units	F		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Duration of Chemical Residualts	4 hours		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Justin Streicher		
	Treatment Date	08/22/2018		
	Treatment End Time	19:30		
	Treatment Start Time	7:00		
	Wind Direction	S		
	Wind Speed	10		
APM Chemical Treatment Record		06/17/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	60		
	Air Temperature Units	F		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Duration of Chemical Residualts	4 hours		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Permit County	Sheboygan		
	Permit Year	2018		
	Person Completing Form	Matt Angerhofer		
	Treatment Date	10/02/18		
	Treatment End Time	18:00		
	Treatment Start Time	7:00		
	Wind Direction	S		
	Wind Speed	8		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record		06/21/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	65		
	Air Temperature Units	F		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Duration of Chemical Residualts	4 hours		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Justin Streicher		
	Treatment Date	09/17/2018		
	Treatment End Time	18:00		
	Treatment Start Time	6:30		
	Wind Direction	NE		
	Wind Speed	5-10		
APM Chemical Treatment Record		06/21/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	70		
	Air Temperature Units	F		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Duration of Chemical Residualts	4 hours		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Justin Streicher		
	Treatment Date	09/10/2018		
	Treatment Date Series	9/11, 9/12		
	Treatment End Time	18:00		
	Treatment Start Time	6:30		
	Wind Direction	SW		
	Wind Speed	10-15		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record		06/21/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	38-80		
	Air Temperature Units	F		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Daniel Niquette		
	Treatment Date	08/20/2018		
	Treatment Date Series	8/22, 8/23, 8/30, 9/6, 9/14, 1		
	Treatment End Time	20:30		
	Treatment Start Time	8:00		
	Water Temperature	50-70		
	Water Temperature Units	F		
	Wind Speed	0-20		
APM Chemical Treatment Record		06/21/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	38-80		
	Air Temperature Units	F		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Daniel Niquette		
	Treatment Date	08/20/2018		
	Treatment Date Series	8/22, 8/23, 8/30, 9/6, 9/14, 1		
	Treatment End Time	20:30		
	Treatment Start Time	8:00		
	Water Temperature	50-70		
	Water Temperature Units	F		
	Wind Speed	0-20		

**Wisconsin Department of Natural Resources  
SWIMS Project Summary**

<b>Action</b>	<b>Detailed Description</b>	<b>Start</b>	<b>End Date</b>	<b>Status</b>
APM Chemical Treatment Record		08/09/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	90		
	Air Temperature Units	F		
	Common reed (Phragmites australis)	TS		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Duration of Chemical Residualts	4 hours		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	PHARGMITES_SITE	all sites		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Justin Streicher		
	Treatment Date	08/13/2018		
	Treatment End Time	18:30		
	Treatment Start Time	6:30		
	Wind Speed	0		
APM Chemical Treatment Record		08/09/2019		COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Air Temperature	90		
	Air Temperature Units	F		
	Common reed (Phragmites australis)	TS		
	Contains Herbicide totals	Y		
	Did Treatments Occur	Y		
	Duration of Chemical Residualts	4 hours		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	PHARGMITES_SITE	all sites		
	Permit County	Manitowoc		
	Permit Year	2018		
	Person Completing Form	Justin Streicher		
	Treatment Date	08/14/2018		
	Treatment End Time	19:00		
	Treatment Start Time	6:30		
	Wind Direction	SE		
	Wind Speed	0-5		

**Monitoring Stations**

<b>Station ID</b>	<b>Name</b>	<b>Comments</b>
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**Assessment Units**

<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
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## Wisconsin Department of Natural Resources SWIMS Project Summary

### 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

Combined Budgets:  
Combined SLOH:  
Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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