

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR-188-16
Name: LITTLE MUSKEGO LAKE P & R DISTRICT: Containment and Suppression of Starry Stonewort
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Early Detection and Response
Status: COMPLETE
Start Date: 05/26/2015
End Date: 12/31/2016
Purpose: The Little Muskego Lake Protection and Rehabilitation District, in partnership with the City of Muskego, the Little Muskego Lake Association and the Wisconsin Department of Natural Resources, will undertake a rapid response project on Little Muskego Lake to control and potentially eradicate Starry Stonewort, listed in NR 40 as a prohibited species. The project will include hand pulling by snorkeling and diving; DASH (Diver Assisted Suction Harvesting), a whole lake P/I survey in late August, at least one intensive plant survey in Hillview Bay, Clean Boats, Clean Waters boat inspections at 4 launches, extra signage at launches and potentially a chemical treatment. The project deliverable will be a report containing the results of each hand pulling event; results of each DASH event, results of any chemical treatments, a summary of the Clean Boats, Clean Waters accomplishments, all raw data from plant surveys and maps from each of the plant surveys. All Clean Boats, Clean Waters data must be entered in the statewide SWIMS database.

Objective:
Comments: Grantee is LITTLE MUSKEGO LAKE P & R DISTRICT
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Little Muskego Lake P & R Di	GRANT_RECIPII	ACTIVE	08/07/2015		Little Muskego Lake P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant AIRR-188-16 awarded	05/26/2015	12/31/2016	COMPLETE

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	05/03/2016	10/01/2016	APPROVED
Details:	Parameter	Value/Amount	Units	Comments
	APM Plan	N		
	APM Plan Agree	N		
	Advance Notification	N		
	Broad-leaved cattail (Typha latifolia)	N		
	CHEMICAL_PERMIT_ID	2987		
	CO - 15 days	Y		
	CO - Date Sent	5/3/2016		
	CO-Date_Received	5/3/2016		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Chemicals - Approved	Aquathol K, DMA, Captain XRT		
	Common arrowhead (Sagittaria latifolia)	N		
	Common reed (Phragmites australis)	N		
	Common waterweed (Elodea canadensis)	N		
	Control - Algae	N		
	Control - Emergent water plants	N		
	Control - Floating water plants	N		
	Control - Nuisance algae	N		
	Control - PL	N		
	Control - Submerged water plants	Y		
	Coontail (Ceratophyllum demersum)	N		
	Curly-leaf pondweed (Potamogeton crispus)	Y		
	Entered in SharePoint	N		
	Estimated Acres	200		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2016		
	Fee	1250		
	Field - 15 days	N		
	Field Issued By	Heidi_Bunk		
	Filamentous Algae	N		
	Improvement - swimming	N		
	Large Duckweed (Spirodela polyrhiza)	N		
	Large Scale Treatment Form	N		
	Large-leaf pondweed (Potamogeton amplifolius)	N		
	Maintain - Other Text	Starry Stonewort		
	Maintain navigational channel	N		
	Maintain private access - boating	N		
	Maintain private access - fishing	N		
	Muskgrasses (Chara)	N		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
NUISANCE_CAUSED_OTHER	Y			
Native Plants	N			
Next Steps	Sent to Heidi			
Payment Number	5296			
Permit County	Waukesha			
Permit End Year	2016			
Permit Latitude	42.913759			
Permit Longitude	-88.14307120			
Permit PLSS Section	9 05N20E			
Permit Start Year	2016			
Permit WBIC	762700			
Permit Year	2016			
Pithophora	N			
Planktonic Algae	N			
Private Pond	N			
Purple loosestrife (Lythrum salicaria)	N			
Sensitive Area	N			
Softstem bulrush (Schoenoplectus tabernaemontani)	N			
Sogo pondweed (Stuckenia pectinata)	N			
TREATMENT_AREA	Little Muskego Lake			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			

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Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	06/02/2016	06/02/2016	COMPLETE
Details:	Parameter	Value/Amount	Units	Comments
	24D Granular, # Acres	0		
	24D Granular, # Pounds	0		
	24D Liquid, # Acres	0		
	24D Liquid, # Pounds	0		
	Air Temperature	21.7		
	Air Temperature Units	C		
	Aqua-Pro Acres	0		
	Aqua-Pro Gallons	0		
	Aquaneat Acres	0		
	Aquaneat Gallons	0		
	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	43.6		
	Aquathol Super K, # Acres	0		
	Aquathol Super K, # Pounds	0		
	Aquathol, # Acres Gallons	14.5		
	Aquathol, # Pounds	0		
	Avast Acres	0		
	Avast Gallons	0		
	CHEMICAL_PERMIT_ID	2987		
	CHEMICAL_TREATMENT_ID	5207		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Contains Herbicide totals	Y		
	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 Acres	0		
	Citrine Plus Liquid Gallons	0		
	Citrine Plus Pounds	0		
	Citrine Pounds	0		

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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	93.4		
	DMA 4 IVM Gallons	935		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat Gallons	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		
	Onsite Supervision	N		
	Permit County	Waukesha		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Refuge Acres	0			
Refuge Gallons	0			
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	6/2/2016			
Tribune Acres	0			
Tribune Gallons	0			
Vectobac Acres	0			
Vectobac Gallons	0			
Water Temperature	24.2			
Water Temperature Units	C			
Wind Direction	N/A			
Wind Speed	1-6			

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Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	06/29/2016	06/29/2016	COMPLETE
Details:	Parameter	Value/Amount	Units	Comments
	24D Granular, # Acres	0		
	24D Granular, # Pounds	0		
	24D Liquid, # Acres	0		
	24D Liquid, # Pounds	0		
	Air Temperature	23.9		
	Air Temperature Units	C		
	Aqua-Pro Acres	0		
	Aqua-Pro Gallons	0		
	Aquaneat Acres	0		
	Aquaneat Gallons	0		
	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		
	CHEMICAL_PERMIT_ID	2987		
	CHEMICAL_TREATMENT_ID	4187		
	Captain XTR, # Acres	120		
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Contains Herbicide totals	Y		
	Control Comments	Komeen Crystals 2.4 @120lbs		
		R		
	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 Acres	0		
	Citrine Plus Liquid Gallons	0		
	Citrine Plus Pounds	0		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Cutrine Pounds	0		
	Cutrine Ultra Acres	0		
	Cutrine Ultra Gallons	0		
	DMA 4 IVM Acres	0		
	DMA 4 IVM Gallons	0		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat Gallons	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		
	Onsite Supervision	N		
	Permit County	Waukesha		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Polaris Gallons	0		
	Refuge Acres	0		
	Refuge Gallons	0		
	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	6/29/2016		
	Tribune Acres	0		
	Tribune Gallons	0		
	Vectobac Acres	0		
	Vectobac Gallons	0		
	Water Temperature	26.3		
	Water Temperature Units	C		
	Wind Direction	N/A		
	Wind Speed	5-7		

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
762500	1	Muskego Creek	Muskego Creek
762700	1	Little Muskego Lake	Little Muskego 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

Wisconsin Department of Natural Resources SWIMS Project Summary

Method Code **Description**

Fieldwork Events

Start Date **Status** **Field ID** **Station ID** **Station Name**

Documents

Title **Description** **Author** **Published** **Comments**

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization **Source** **Type** **Amount** **Start Date** **End Date**