

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR19616
Name: LITTLE MUSKEGO LAKE P & R DISTRICT: Containment & Suppression of Starry Stonewort #2
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Early Detection and Response
Status: COMPLETE
Start Date: 08/17/2015
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 second rapid response project on Little Muskego Lake to control Starry Stonewort, listed in NR 40 as a prohibited species. The project will include hand pulling by snorkeling; DASH (Diver Assisted Suction Harvesting) in Hillview Bay (focusing on the peninsula area) and hand removal of approximately 10 satellite locations by SNUBA. The project deliverable will be a report containing maps denoting where the Starry Stonewort was hand pulled, removed by DASH and removed by SNUBA/hand pulling. The report will also provide a table listing the dates of removal, approximate times, hours of removal, number of staff and which of the three methods was used.

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
Bunk, Heidi J	LAKE_BIOLOGIS	ACTIVE	08/19/2019		Wisconsin DNR	
Little Muskego Lake P & R Di	GRANT_RECIPII	ACTIVE	06/08/2016		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 AIRR19616 awarded	08/17/2015	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		
	Business Location License	N/A		
	CO - 15 days	Y		
	CO – Date Sent	5/3/2016		
	CO-Date_Received	5/3/2016		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	2987		
	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		
	Lake Surface Area			
	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		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Maintain private access - boating	N			
Maintain private access - fishing	N			
Muskgrasses (Chara)	N			
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_TREATMENT_ID	5207		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	2987		
	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_TREATMENT_ID	4187		
	Captain XTR, # Acres	120		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	2987		
	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	
	Citrine Pounds	0		
	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 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
10007183	Little Muskego Lake	

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

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
09/16/2014 12:00	COMPLETE		10007183	Little Muskego Lake

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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