

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AIRR19416

**Name:** BIG MUSKEGO/BASS BAY P & R DISTRICT: Big Muskego Lake Containment/Suppression of Starry Stonewort

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Early Detection and Response

**Status:** COMPLETE

**Start Date:** 8/5/2015

**End Date:** 12/31/2020

**Purpose:** The Big Muskego Lake/Bass Bay P & R District, in partnership with the City of Muskego and the Wisconsin Department of Natural Resources, will undertake a rapid response project on Big Muskego to control Starry Stonewort, an NR 40 prohibited species, at the three major boat launches (Boxhorn, Hunters and Durham). The project will include a full point intercept plant survey; Clean Boats, Clean Waters inspections at three launches and two years of chemical treatment of Starry Stonewort at 3 launches. The project deliverable will be a report containing the results of the P/I survey (raw data, distribution/density maps of Starry Stonewort, EWM, CLP and the top 7 native plants in terms of frequency of occurrence), results of the boat trailer survey by CBCW inspectors and CBCW data. All Clean Boats, Clean Waters data must be entered in the statewide SWIMS database.

**Objective:**

**Comments:** Grantee is BIG MUSKEGO/BASS BAY P & R DISTRICT

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Big Muskego Lake/Bass Bay P &	GRANT_RECIPIENT	ACTIVE	6/1/2016		Big Muskego Lake/Bass Bay P & R District	
Bunk, Heidi J	TEAM_MEMBER	ACTIVE	7/3/2019		Wisconsin DNR	
Mosel, Kyle J	TEAM_MEMBER	INACTIVE	7/3/2019	2/23/2023	WISCONSIN DNR	

### Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

### Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant AIRR19416 awarded	8/5/2015	12/31/2016	COMPLETE
APM Chemical Permit Request	Chemical Permit Details	2/22/2016	10/1/2016	APPROVED

Details: Parameter	Value/Amount	Units	Comments
APM Plan	N		
Algae	N		
Algimycin PWF Algaecide / Cyanobactericide	N		
Alligare Argos Algaecide and Herbicide	N		

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

Details: Parameter	Value/Amount	Units	Comments
Alligare Diquat Herbicide Landscape and Aquatic Herbicide	N		
Aqua Star	N		
AquaPro Herbicide	N		
AquaShade Aquatic Plant Growth Control	N		
AquaStrike	N		
Aquaneat Aquatic Herbicide	N		
Aquashadow Black Pond Colorant	N		
Aquathol K Aquatic Herbicide	N		
Aquathol Super K Granular Aquatic Herbicide	N		
Avast! SC Aquatic Herbicide	N		
Business Location License	N/A		
CO – Date Sent	2/22/2016		
CO-Date_Received	2/22/2016		
CONTROL_INVASIVES	N		
CONTROL_OTHER	N		
Captain Liquid Copper Algaecide	N		
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	2435		
Chemicals - Approved	Navigate, DMAIVM, Cutrine +/Ultra,Harvester, Aquathol K, Clipper, Hydrothol -some may only be used in cases of Starry Stonewort		
Chemicals Permitted Previous Year	N/A		
Chinook	N		
Clearcast (general)	N		
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	Y		
Control - Emergent water plants	N		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail ( <i>Ceratophyllum demersum</i> )	Y		
Curly-leaf pondweed ( <i>Potamogeton crispus</i> )	Y		
Current	N		
Cutrine-Plus Algaecide and Herbicide	N		
Cutrine-Plus Granular Algaecide	N		
Cutrine-Ultra Algaecide / Herbicide / cyanobactericide	N		
DMA 4 IVM Herbicide	N		
Earthtec Algaecide / Bactericide	N		
Element 3A Herbicide	N		
Estimated Acres	60		
Eurasian water-milfoil ( <i>Myriophyllum spicatum</i> )	Y		
Expiration Date	10/1/2016		
Fee	1270		
Field Issued By	Heidi_Bunk		
Flowering Rush	N		
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		
Green Clean (general)	N		
Habitat (general)	N		
Harpoon (general)	N		
Harvester Landscape and Aquatic Herbicide	N		
Havoc Amine	N		
Hybrid Cattail	N		
Hybrid Watermilfoil	N		
Hydrothol 191 Aquatic Algicide and Herbicide	N		
Hydrothol Granular Aquatic Algaecide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algaecide	N		
Komeen Aquatic Herbicide	N		

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

Details: Parameter	Value/Amount	Units	Comments
Komeen Crystal Aquatic Herbicide	N		
Lake Surface Area	0		
Lake Surface Area			
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Maintain - Other Text	Starry Stonewort		
Maintain navigational channel	N		
Maintain private access - boating	Y		
Maintain private access - fishing	Y		
Milestone Herbicide	N		
More than 1 Property Owner	N/A		
NUISANCE_CAUSED_OTHER	Y		
Naiad	N		
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	N		
Navitrol DPF Aquatic Herbicide	N		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		
Orb-3 (general)	N		
Overflow Controlled	N/A		
PLSS_DIRECTION	N/A		
PLSS_RANGE	N/A		
PLSS_SECTION	N/A		
PLSS_TOWNSHIP	N/A		
Payment Number	1210		
Permit County	Waukesha		
Permit End Year	2016		
Permit Latitude	42.8784		
Permit Longitude	-88.1142		
Permit PLSS Section	14 05N20E		
Permit Start Year	2016		
Permit WBIC	762400, 763200		
Permit Year	2016		
Phycomycin SCP Algaecide and Oxidizer	N		
Polaris	N		
Polaris AC	N		
Pond-Klear	N		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Pondweeds	N		
Private Pond	N		
ProcellaCOR EC	N		
Purple loosestrife (Lythrum salicaria)	N		
Reed Canary Grass	N		
Reed Manna Grass	N		
Refuge Herbicide	N		
Renovate 3	N		
Renovate LZR Aquatic Herbicide	N		
Renovate LZR Max Aquatic Herbicide	N		
Renovate Max G Aquatic Herbicide	N		
Renovate OTF Aquatic Herbicide	N		
Reward Landscape and Aquatic Herbicide	N		
Rodeo Herbicide	N		
Roundup Custom for Aquatic & Terrestrial Use	N		
SCI-62 Algicide / Bactericide	N		
Sculpin G Aquatic Herbicide	N		
SeClear (general)	N		
SeClear G Algaecide and Water Quality Enhancer	N		
Sensitive Area	N		
Shoreklear-Plus Aquatic Herbicide	N		
Shredder Amine 4	N		
Sonar A.S.	N		
Sonar Genesis Aquatic Herbicide	N		
Sonar H4C Aquatic Herbicide	N		
Sonar PR Precision Release	N		
Sonar Q Aquatic Herbicide	N		
Sonar RTU Aquatic Weed Herbicide	N		
Sonar SRP Aquatic Herbicide	N		
SonarOne Aquatic Herbicide	N		
Starry Stonewort	N		
Stingray Aquatic Herbicide	N		
Surface Water Discharge	N/A		
Symmetry NXG	N		
TREATMENT_AREA	Big Muskego		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Touchdown Pro	N		
Treatment Area Greater Than 5%	N/A		
Treatment Date	N		
Treatment Date	N		
Tribune Herbicide	N		
WPDES Coverage	N/A		
Waterbody Type	LAKE		
Waterbody have Public Access	N/A		
Weedar 64 Broadleaf Herbicide	N		
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N		
Wind Direction	N/A		
Yellow Floating Heart	N		
Yellow Iris	N		

APM Chemical Treatment Record	Chemical treatment details	6/6/2016	6/6/2016	COMPLETE
-------------------------------	----------------------------	----------	----------	----------

Details: Parameter	Value/Amount	Units	Comments
Air Temperature	71		
Air Temperature Units	F		
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	8.25		
Aquathol Super K, # Acres	0		
Aquathol Super K, # Pounds	0		
Aquathol, # Acres Gallons	6		
Aquathol, # Pounds	0		
Avast Acres	0		
Avast Gallons	0		
Broad-leaved cattail (Typha latifolia)	SP		
Captain XTR, # Acres	0		
Captain XTR, # Gallons	0		

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

Details: Parameter	Value/Amount	Units	Comments
Clasping-leaf pondweed (Potamogeton richardsonii)	SP		
Clearcast Acres	0		
Clearcast Gallons	0		
Cleargate Acres	0		
Cleargate Gallons	0		
Common waterweed (Elodea canadensis)	SP		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
Copper Acres	0		
Copper Liquid, # Acres	0		
Copper Liquid, # Gallons	0		
Copper Pounds	0		
Curly-leaf pondweed (Potamogeton crispus)	TS		
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		
Citrine Ultra Acres	0		
Citrine Ultra Gallons	0		
DMA 4 IVM Acres	13.5		
DMA 4 IVM Gallons	58.25		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Duration of Chemical Residualts	21 days		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	TS		
Filamentous Algae	SP		
Flat-stem pondweed (Potamogeton zosteriformis)	SP		

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

Details: Parameter	Value/Amount	Units	Comments
Floating-leaf pondweed (Potamogeton natans)	SP		
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 Y Use Restriction Signs Posted in Accordance with NR 107?			
Hydrothol Acres	0		
Hydrothol Gallons	0		
Illinois pondweed (Potamogeton illinoensis)	SP		
Imazapyr Acres	0		
Imazapyr Gallons	0		
Large-leaf pondweed (Potamogeton amplifolius)	SP		
Muskgrasses (Chara )	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
Northern water-milfoil (Myriophyllum sibiricum)	SP		
Onsite Supervision	No		
Permit County	Waukesha		
Permit Year	2016		
Person Completing Form	Brian J Suffern		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
Polaris Gallons	0		
Refuge Acres	0		



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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
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		
Sogo pondweed (Stuckenia pectinata)	SP		
Sonar AS Gallons	0		
Sonor AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/6/2016		
Treatment End Time	15:30		
Treatment Start Time	9:00		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	73		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments		
Watershield ( <i>Brasenia schreberi</i> )	SP				
White water lily ( <i>Nymphaea odorata</i> )	SP				
Wind Direction	W				
Wind Speed	5-20				
APM Chemical Treatment Record	Chemical treatment details		6/27/2016	6/27/2016	COMPLETE
Details: Parameter	Value/Amount	Units	Comments		
Air Temperature	86				
Air Temperature Units	F				
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				
Broad-leaved cattail ( <i>Typha latifolia</i> )	SP				
Captain XTR, # Acres	0				
Captain XTR, # Gallons	0				
Clearcast Acres	0				
Clearcast Gallons	0				
Clearigate Acres	0				
Clearigate Gallons	0				
Common waterweed ( <i>Elodea canadensis</i> )	SP				
Contains Herbicide totals	Y				
Coontail ( <i>Ceratophyllum demersum</i> )	SP				
Copper Acres	0				
Copper Liquid, # Acres	0				

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

Details: Parameter	Value/Amount	Units	Comments
Copper Liquid, # Gallons	0		
Copper Pounds	0		
Citrine Acres	0		
Citrine Liquid Acres	0		
Citrine Liquid Gallons	0		
Citrine Plus Acres	0.75		
Citrine Plus Liquid Acres	0		
Citrine Plus Liquid Gallons	0		
Citrine Plus Pounds	34		
Citrine Pounds	0		
Citrine Ultra Acres	2.8		
Citrine Ultra Gallons	15		
DMA 4 IVM Acres	0		
DMA 4 IVM Gallons	0		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Duration of Chemical Residualts	7 days		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Filamentous Algae	SP		
Flat-stem pondweed (Potamogeton zosteriformis)	SP		
Floating-leaf pondweed (Potamogeton natans)	SP		
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		

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

Details: Parameter	Value/Amount	Units	Comments
Harvester Acres	0		
Harvester Gallons	0		
Herbicide Treatment and Water Y Use Restriction Signs Posted in Accordance with NR 107?			
Hydrothol Acres	2.8		
Hydrothol Gallons	1.32		
Imazapyr Acres	0		
Imazapyr Gallons	0		
Large Duckweed (Spirodela polyrhiza)	SP		
Muskgrasses (Chara )	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
Onsite Supervision	No		
Permit County	Waukesha		
Permit Year	2016		
Person Completing Form	Brian J Suffern		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
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		
Sogo pondweed (Stuckenia pectinata)	SP		
Sonar AS Gallons	0		

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

Details: Parameter	Value/Amount	Units	Comments
Sonor AS Acres	0		
Starry Stonewort	TS		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/27/2016		
Treatment End Time	13:15		
Treatment Start Time	9:15		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	80		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		
Watershield (Brasenia schreberi)	SP		
White water lily (Nymphaea odorata)	SP		
Wild Celery	SP		
Wind Direction	N		
Wind Speed	10		

APM Chemical Permit Request	Chemical Permit Details	2/17/2017	10/1/2017	APPROVED
-----------------------------	-------------------------	-----------	-----------	----------

Details: Parameter	Value/Amount	Units	Comments
APM Plan	N		
Algae	Y		
Algimycin PWF Algaecide / Cyanobactericide	N		
Alligare Argos Algaecide and Herbicide	N		
Alligare Diquat Herbicide Landscape and Aquatic Herbicide	N		
Alternative - Drawdown	N		
Alternative - Dredging	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Alternative - Manual Removal	N		
Alternative - Mechanical Harvesting	N		
Alternative - Nutrient Controls	N		
Alternative - Sediment Screens	N		
Alternative - Why Not Drawdown	May be considered; impacts human use		
Alternative - Why Not Dredging	Area too large		
Alternative - Why Not Manual	Area too large		
Alternative - Why Not Mechanical	Shallow water difficulty, costs		
Alternative - Why Not Nutrient Control	BMPs implemented but legacy phosphorus in sediment/water		
Alternative - Why Not Sediment Screens	Area too large		
Aqua Star	N		
AquaPro Herbicide	N		
AquaShade Aquatic Plant Growth Control	N		
AquaStrike	N		
Aquaneat Aquatic Herbicide	N		
Aquashadow Black Pond Colorant	N		
Aquathol K Aquatic Herbicide	Y		
Aquathol Super K Granular Aquatic Herbicide	N		
Avast! SC Aquatic Herbicide	N		
Business Location License	93-010049-005505		
CO – Date Sent	2/17/2017		
CO-Date_Received	2/17/2017		
CONTROL_INVASIVES	Y		
CONTROL_OTHER	N		
Captain Liquid Copper Algaecide	N		
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	001517		
Chemical Permit ID	3767		
Chemicals - Approved	Navigate, DMAIVM, Cutrine +/Ultra, Harvester, AquatholK, Clipper, Hydrothol		
Chemicals Permitted Previous Year	All		
Chinook	N		
Clearcast (general)	N		
Clearigate	N		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Clipper Herbicide	Y		
Clipper SC Aquatic Herbicide	N		
Comments	Edited on 7/2/2020 to correct errors (EAH)		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	Y		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail (Ceratophyllum demersum)	Y		
Curly-leaf pondweed (Potamogeton crispus)	Y		
Current	N		
Citrine-Plus Algaecide and Herbicide	Y		
Citrine-Plus Granular Algaecide	N		
Citrine-Ultra Algaecide / Herbicide / cyanobactericide	Y		
DMA 4 IVM Herbicide	Y		
Earthtec Algaecide / Bactericide	N		
Element 3A Herbicide	N		
Estimated Acres	59.72		
Eurasian water-milfoil (Myriophyllum spicatum)	Y		
Expiration Date	10/1/2017		
Fee	1270		
Field Issued By	Mary_Gansberg		
Flowering Rush	N		
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		
Green Clean (general)	N		
Habitat (general)	N		
Harpoon (general)	N		
Harvester Landscape and Aquatic Herbicide	N		
Havoc Amine	N		

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

Details: Parameter	Value/Amount	Units	Comments
Hybrid Cattail	N		
Hybrid Watermilfoil	N		
Hydrothol 191 Aquatic Algicide and Herbicide	N		
Hydrothol Granular Aquatic Algaecide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algaecide	N		
Komeen Aquatic Herbicide	N		
Komeen Crystal Aquatic Herbicide	N		
Lake Surface Area	2200		
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Maintain - Other Text	SSW		
Maintain navigational channel	Y		
Maintain private access - boating	Y		
Maintain private access - fishing	N		
Method of Application	Spray pumps, blowers, spreaders		
Milestone Herbicide	N		
More than 1 Property Owner	Y		
NUISANCE_CAUSED_OTHER	Y		
Naiad	N		
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	Y		
Navitrol DPF Aquatic Herbicide	N		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		
Orb-3 (general)	N		
Overflow Controlled	N/A		
PLSS_DIRECTION	N/A		
PLSS_RANGE	N/A		
PLSS_SECTION	N/A		
PLSS_TOWNSHIP	N/A		
Payment Number	001227		
Permit County	Waukesha		
Permit End Year	2017		



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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Permit Latitude	42.87652790		
Permit Longitude	-88.112790		
Permit PLSS Section	14 05N20E		
Permit Start Year	2017		
Permit WBIC	762400, 763200		
Permit Year	2017		
Phycomycin SCP Algaecide and Oxidizer	N		
Polaris	N		
Polaris AC	N		
Pond-Klear	N		
Pondweeds	N		
Private Pond	N		
ProcellaCOR EC	N		
Purple loosestrife (Lythrum salicaria)	N		
Reed Canary Grass	N		
Reed Manna Grass	N		
Refuge Herbicide	N		
Renovate 3	N		
Renovate LZR Aquatic Herbicide	N		
Renovate LZR Max Aquatic Herbicide	N		
Renovate Max G Aquatic Herbicide	N		
Renovate OTF Aquatic Herbicide	N		
Reward Landscape and Aquatic Herbicide	N		
Rodeo Herbicide	N		
Roundup Custom for Aquatic & Terrestrial Use	N		
SCI-62 Algicide / Bactericide	N		
Sculpin G Aquatic Herbicide	N		
SeClear (general)	N		
SeClear G Algaecide and Water Quality Enhancer	N		
Sensitive Area	N		
Shoreklear-Plus Aquatic Herbicide	N		
Shredder Amine 4	N		
Sonar A.S.	N		
Sonar Genesis Aquatic Herbicide	N		
Sonar H4C Aquatic Herbicide	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Sonar PR Precision Release	N		
Sonar Q Aquatic Herbicide	N		
Sonar RTU Aquatic Weed Herbicide	N		
Sonar SRP Aquatic Herbicide	N		
SonarOne Aquatic Herbicide	N		
Starry Stonewort	Y		
Stingray Aquatic Herbicide	N		
Surface Water Discharge	Y		
Symmetry NXG	N		
TREATMENT_AREA	Big Muskego Lake and Bass Bay		
Touchdown Pro	N		
Treatment Area Greater Than 5%	N		
Treatment Date	N		
Treatment Date	N		
Tribune Herbicide	N		
WPDES Coverage	N		
Waterbody Type	LAKE		
Waterbody have Public Access	Y		
Weedar 64 Broadleaf Herbicide	N		
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N		
Wind Direction	001517		
Yellow Floating Heart	N		
Yellow Iris	N		

APM Chemical Treatment Record	Chemical treatment details	7/17/2017	7/17/2017	COMPLETE
-------------------------------	----------------------------	-----------	-----------	----------

Details: Parameter	Value/Amount	Units	Comments
Air Temperature	73		
Air Temperature Units	F		
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		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
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		
Contains Herbicide totals	Y		
Copper Acres	0		
Copper Liquid, # Acres	0		
Copper Liquid, # Gallons	0		
Copper Pounds	0		
Cutrine Acres	0		
Cutrine Liquid Acres	0		
Cutrine Liquid Gallons	0		
Cutrine Plus Acres	0.75		
Cutrine Plus Liquid Acres	0		
Cutrine Plus Liquid Gallons	0		
Cutrine Plus Pounds	50		
Cutrine Pounds	0		
Cutrine Ultra Acres	0		
Cutrine Ultra Gallons	0		
DMA 4 IVM Acres	0		
DMA 4 IVM Gallons	0		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Duration of Chemical Residualts	5 days		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Floating-leaf pondweed (Potamogeton natans)	SP		
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 Y Use Restriction Signs Posted in Accordance with NR 107?			
Hydrothol Acres	0		
Hydrothol Gallons	0		
Imazapyr Acres	0		
Imazapyr Gallons	0		
Muskgrasses (Chara )	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
Onsite Supervision	No		
Permit County	Waukesha		
Permit Year	2017		
Person Completing Form	Brian J Suffern		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
Polaris Gallons	0		
Refuge Acres	0		
Refuge Gallons	0		
Reward Acres	0		
Reward Gallons	0		
Reward Liquid Acres	0		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
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		
Sogo pondweed (Stuckenia pectinata)	SP		
Sonar AS Gallons	0		
Sonor AS Acres	0		
Starry Stonewort	TS		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	7/17/2017		
Treatment End Time	12:30		
Treatment Start Time	11:00		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	76		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		
White water lily (Nymphaea odorata)	SP		
Wild Celery	SP		
Wind Direction	ENE		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments		
Wind Speed	5				
APM Chemical Permit Request	Chemical Permit Details		4/18/2018	5/1/2018	APPROVED
Details: Parameter	Value/Amount	Units	Comments		
APM Plan	N/A				
Algae	N				
Algimycin PWF Algaecide / Cyanobactericide	N				
Alligare Argos Algaecide and Herbicide	N				
Alligare Diquat Herbicide Landscape and Aquatic Herbicide	N				
Aqua Star	N				
AquaPro Herbicide	N				
AquaShade Aquatic Plant Growth Control	N				
AquaStrike	N				
Aquaneat Aquatic Herbicide	N				
Aquashadow Black Pond Colorant	N				
Aquathol K Aquatic Herbicide	N				
Aquathol Super K Granular Aquatic Herbicide	N				
Avast! SC Aquatic Herbicide	N				
Business Location License	N/A				
CO - # days	9				
CO – Date Sent	5/1/2018				
CO-Date_Received	4/18/2018				
CONTROL_INVASIVES	N				
CONTROL_OTHER	N				
Captain Liquid Copper Algaecide	N				
Captain XTR Liquid Copper Algaecide	N				
Category 5 Certification Number	N/A				
Chemical Permit ID	6199				
Chemicals - Approved	N/A				
Chemicals Permitted Previous Year	N/A				
Chinook	N				
Clearcast (general)	N				
Clearigate	N				
Clipper Herbicide	N				
Clipper SC Aquatic Herbicide	N				

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

Details: Parameter	Value/Amount	Units	Comments
Comments	N/A		
Common reed ( <i>Phragmites australis</i> )	N		
Common waterweed ( <i>Elodea canadensis</i> )	N		
Common/Glossy Buckthorn	N		
Control - Algae	Y		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail ( <i>Ceratophyllum demersum</i> )	N		
Curly-leaf pondweed ( <i>Potamogeton crispus</i> )	N		
Current	N		
Citrine-Plus Algaecide and Herbicide	N		
Citrine-Plus Granular Algaecide	N		
Citrine-Ultra Algaecide / Herbicide / cyanobactericide	N		
DMA 4 IVM Herbicide	N		
Earthtec Algaecide / Bactericide	N		
Element 3A Herbicide	N		
Estimated Acres	56		
Eurasian water-milfoil ( <i>Myriophyllum spicatum</i> )	N		
Fee	1270		
Field - # days	Y		
Field Issued By	Heidi_Bunk		
Flowering Rush	N		
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		
Green Clean (general)	N		
Habitat (general)	N		
Harpoon (general)	N		
Harvester Landscape and Aquatic Herbicide	N		
Havoc Amine	N		
Hybrid Cattail	N		
Hybrid Watermilfoil	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Hydrothol 191 Aquatic Algicide and Herbicide	N		
Hydrothol Granular Aquatic Algaecide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algaecide	N		
Komeen Aquatic Herbicide	N		
Komeen Crystal Aquatic Herbicide	N		
Lake Surface Area	0		
Lake Surface Area			
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Maintain navigational channel	Y		
Maintain private access - boating	Y		
Maintain private access - fishing	N		
Milestone Herbicide	N		
More than 1 Property Owner	N/A		
NUISANCE_CAUSED_OTHER	N		
Naiad	N		
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	N		
Navitrol DPF Aquatic Herbicide	N		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		
Orb-3 (general)	N		
Other Plants	Eurasian Watermilfoil, Curly-leaved pond weed, Filamentous algae, Starry Stonewort, (Possibly) Coontail		
Overflow Controlled	N/A		
PLSS_DIRECTION	E		
PLSS_RANGE	20		
PLSS_SECTION	14		
PLSS_TOWNSHIP	05		
Payment Number	001241		
Permit County	Waukesha		
Permit End Year	2018		
Permit Latitude	42.87652790		



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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Permit Longitude	-88.112790		
Permit PLSS Section	14 T5N R20E		
Permit Start Year	2018		
Permit WBIC	762400, 763200		
Phycomycin SCP Algaecide and Oxidizer	N		
Polaris	N		
Polaris AC	N		
Pond-Klear	N		
Pondweeds	N		
Private Pond	N		
ProcellaCOR EC	N		
Purple loosestrife (Lythrum salicaria)	N		
Reed Canary Grass	N		
Reed Manna Grass	N		
Refuge Herbicide	N		
Renovate 3	N		
Renovate LZR Aquatic Herbicide	N		
Renovate LZR Max Aquatic Herbicide	N		
Renovate Max G Aquatic Herbicide	N		
Renovate OTF Aquatic Herbicide	N		
Reward Landscape and Aquatic Herbicide	N		
Rodeo Herbicide	N		
Roundup Custom for Aquatic & Terrestrial Use	N		
SCI-62 Algicide / Bactericide	N		
Sculpin G Aquatic Herbicide	N		
SeClear (general)	N		
SeClear G Algaecide and Water Quality Enhancer	N		
Sensitive Area	N/A		
Shoreklear-Plus Aquatic Herbicide	N		
Shredder Amine 4	N		
Sonar A.S.	N		
Sonar Genesis Aquatic Herbicide	N		
Sonar H4C Aquatic Herbicide	N		
Sonar PR Precision Release	N		
Sonar Q Aquatic Herbicide	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Sonar RTU Aquatic Weed Herbicide	N		
Sonar SRP Aquatic Herbicide	N		
SonarOne Aquatic Herbicide	N		
Starry Stonewort	N		
Stingray Aquatic Herbicide	N		
Surface Water Discharge	N/A		
Symmetry NXG	N		
TREATMENT_AREA	Big Muskego Lake		
Touchdown Pro	N		
Treatment Area Greater Than 5%	N/A		
Treatment Date	N		
Treatment Date	N		
Tribune Herbicide	N		
WPDES Coverage	N/A		
Waterbody Type	LAKE		
Waterbody have Public Access	N/A		
Weedar 64 Broadleaf Herbicide	N		
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N		
Wind Direction	N/A		
Yellow Floating Heart	N		
Yellow Iris	N		

APM Chemical Permit Request	Chemical permit details	2/26/2019	2/26/2019	APPROVED
-----------------------------	-------------------------	-----------	-----------	----------

Details: Parameter	Value/Amount	Units	Comments
APM Plan	Y		
AgriStar_2_4_D	N		
Algae	N		
Algimycin PWF Algaecide / Cyanobactericide	N		
Alligare Argos Algaecide and Herbicide	N		
Alligare Diquat Herbicide Landscape and Aquatic Herbicide	N		
Alligare_2_4_D	N		
Alligare_Ecomazapyr	N		
Alligare_Glyphosate	N		
Alternative - Drawdown	N		
Alternative - Dredging	N		
Alternative - Manual Removal	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Alternative - Mechanical Harvesting	N		
Alternative - Nutrient Controls	N		
Alternative - Sediment Screens	N		
Alternative - Why Not Drawdown	May be considered but only infrequently		
Alternative - Why Not Dredging	Area too large; habitat impacts		
Alternative - Why Not Manual	Area too large		
Alternative - Why Not Mechanical	shallow water difficulty, costs		
Alternative - Why Not Sediment Screens	Area too large		
Aqua Star	N		
AquaPro Herbicide	N		
AquaShade Aquatic Plant Growth Control	N		
AquaStrike	N		
Aquaneat Aquatic Herbicide	N		
Aquashadow Black Pond Colorant	N		
Aquathol K Aquatic Herbicide	N		
Aquathol Super K Granular Aquatic Herbicide	N		
Avast! SC Aquatic Herbicide	N		
Business Location License	93-010049-005505		
CO - # days	1		
CO - Date Sent	02/26/2019		
CONTROL_INVASIVES	Y		
CONTROL_OTHER	N		
Captain Liquid Copper Algaecide	N		
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	001517		
Chemical Permit ID	0		

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

Details: Parameter	Value/Amount	Units	Comments
Chemicals - Approved	(Weedar 64, Platoon, or CleanAmine - all liquid 2,4-D), Cutrine-Plus (liquid and/or granular), Tribune (or Reward/Harvester), AquatholK, Cutrine Ultra. NOTE: Hydrothol (liquid and/or granular), Clipper, and Cutrine Ultra for Starry Stonewort Control. Note: Anticipate that 0.17 ppm concentration used previously on Big Muskego SSW will be adequate. This may be changed after further discussion of product manufacturer (UPI), Clemson University, and WI DNR.		
Chemicals Permitted Previous Year	All		
Chinook	N		
Clearcast (general)	N		
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	Y		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail (Ceratophyllum demersum)	Y		
Curly-leaf pondweed (Potamogeton crispus)	Y		
Current	N		
Cutrine-Plus Algaecide and Herbicide	N		
Cutrine-Plus Granular Algaecide	N		
Cutrine-Ultra Algaecide / Herbicide / cyanobactericide	N		
DMA 4 IVM Herbicide	N		
Earthtec Algaecide / Bactericide	N		
Element 3A Herbicide	N		
Estimated Acres	61.04		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Eurasian water-milfoil (Myriophyllum spicatum)	Y		
Fee	1270		
Field - # days	36		
Field - Date Issued	04/17/2019		
Field - Date Received	02/26/2019		
Field Issued By	Heidi_Bunk		
Flowering Rush	N		
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		
Green Clean (general)	N		
Habitat (general)	N		
Harpoon (general)	N		
Harvester Landscape and Aquatic Herbicide	N		
Havoc Amine	N		
Hybrid Cattail	N		
Hybrid Watermilfoil	N		
Hydrothol 191 Aquatic Algicide and Herbicide	N		
Hydrothol Granular Aquatic Algaecide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algaecide	N		
Komeen Aquatic Herbicide	N		
Komeen Crystal Aquatic Herbicide	N		
Lake Surface Area	2200		
Large Duckweed (Spirodela polyrhiza)	N		
Littora	N		
Maintain navigational channel	Y		
Maintain private access - boating	Y		
Maintain private access - fishing	N		
Method of Application	Spray pumps, blowers, spreaders		
Milestone Herbicide	N		
More than 1 Property Owner	Y		
NUISANCE_CAUSED_OTHER	N		
Naiad	N		

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

Details: Parameter	Value/Amount	Units	Comments
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	N		
Navitrol DPF Aquatic Herbicide	N		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		
Orb-3 (general)	N		
Other Plants	Eurasian Watermilfoil, Curly-leaved pond weed, Filamentous algae, Starry Stonewort, (Possibly) Coontail		
Overflow Controlled	N/A		
PLSS_DIRECTION	E		
PLSS_RANGE	20		
PLSS_SECTION	14		
PLSS_TOWNSHIP	05		
Payment Number	001252		
Permit County	Waukesha		
Permit End Year	2019		
Permit Latitude	42.87652790		
Permit Longitude	-88.112790		
Permit PLSS Section	14 T05N R20E		
Permit Start Year	2019		
Permit WBIC	762400, 763200		
Phycomycin SCP Algaecide and Oxidizer	N		
Polaris	N		
Polaris AC	N		
Pond-Klear	N		
Pondweeds	N		
Private Pond	N		
ProcellaCOR EC	N		
Purple loosestrife (Lythrum salicaria)	N		
Reed Canary Grass	N		
Reed Manna Grass	N		
Refuge Herbicide	N		
Renovate 3	N		
Renovate LZR Aquatic Herbicide	N		
Renovate LZR Max Aquatic Herbicide	N		
Renovate Max G Aquatic Herbicide	N		

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

<b>Details: Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
Renovate OTF Aquatic Herbicide	N		
Reward Landscape and Aquatic Herbicide	N		
Rodeo Herbicide	N		
Roundup Custom for Aquatic & Terrestrial Use	N		
SCI-62 Algicide / Bactericide	N		
Sculpin G Aquatic Herbicide	N		
SeClear (general)	N		
SeClear G Algaecide and Water Quality Enhancer	N		
Sensitive Area	N		
SharePoint_Number	AP-IP-SE-2019-68-2072		
Shoreklear-Plus Aquatic Herbicide	N		
Shredder Amine 4	N		
Sonar A.S.	N		
Sonar Genesis Aquatic Herbicide	N		
Sonar H4C Aquatic Herbicide	N		
Sonar PR Precision Release	N		
Sonar Q Aquatic Herbicide	N		
Sonar RTU Aquatic Weed Herbicide	N		
Sonar SRP Aquatic Herbicide	N		
SonarOne Aquatic Herbicide	N		
Starry Stonewort	N		
Stingray Aquatic Herbicide	N		
Surface Water Discharge	Y		
Symmetry NXG	N		
TREATMENT_AREA	Big Muskego Lake		
Touchdown Pro	N		
Treatment Area Greater Than 5%	N		
Tribune Herbicide	N		
Trycera	N		
WATERBODY_STRATIFY	N/A		
WPDES Coverage	N		
Waterbody District Representative	N		
Waterbody Type	Lake		
Waterbody have Public Access	Y		
Waterbody_Stratify	N/A		

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

Details: Parameter	Value/Amount	Units	Comments
Weedar 64 Broadleaf Herbicide	N		
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N		
Wind Direction	001517		
Yellow Floating Heart	N		
Yellow Iris	N		
APM Chemical Treatment Record		8/5/2019	COMPLETE
Details: Parameter	Value/Amount	Units	Comments
Air Temperature	68		
Air Temperature Units	F		
Broad-leaved cattail (Typha latifolia)	SP		
Common waterweed (Elodea canadensis)	SP		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
Curly-leaf pondweed (Potamogeton crispus)	TS		
Duration of Chemical Residualts	21 days		
Eurasian water-milfoil (Myriophyllum spicatum)	TS		
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
Large Duckweed (Spirodela polyrhiza)	SP		
Large-leaf pondweed (Potamogeton amplifolius)	SP		
Muskgrasses (Chara )	SP		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	wild celery, stary stonewart		
Onsite Supervision	No		
Permit County	Waukesha		
Permit Year	2018		
Person Completing Form	Brian Suffern		
Sogo pondweed (Stuckenia pectinata)	SP		
Treatment Date	06/01/2018		
Treatment End Time	14:30		
Treatment Start Time	8:30		
Water Temperature	73		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		



8/28/2024

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		
Wind Direction	S		
Wind Speed	5		

### Monitoring Stations

Station ID	Name	Comments
10007182	Big Muskego Lake	

### Assessment Units

WBIC	Segment	Local Name	Official Name
762400	1	Big Muskego Lake	Big Muskego Lake
762500	1	Muskego Creek	Muskego Creek
5037798	1	Unnamed Stream	Unnamed

### Lab Account Codes

Account Code	Description	Start Date	End Date
--------------	-------------	------------	----------

### Forms

Form Code	Form Name
-----------	-----------

### Methods

Method Code	Method Description
-------------	--------------------

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
7/7/2015 14:00	COMPLETE		10007182	Big Muskego Lake

### Documents

Title	Description	Author	Published	Comments
-------	-------------	--------	-----------	----------

### Budget

8/28/2024

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date