

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI19717

Name: LONG LAKE PROT & REHAB DIST: Long Lake CLP Control

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/15/2017

End Date: 6/30/2018

Purpose: The Long Lake P&R District is sponsoring a project to implement CLP management activities from the Long Lake Aquatic Plant Management Plan.

Project deliverables include all monitoring and GIS data, maps of areas monitored & controlled, and reports describing the monitoring and control results.

Specific project activities include: 1) Curly-leaf pondweed herbicide control; 2) Pre-post treatment aquatic plant monitoring; 3) Water temperature monitoring; 4) Turion monitoring.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring; 2) Sponsor shall contact DNR immediately if a new AIS is found; 3) AIS monitoring and watercraft inspection personnel shall be trained and follow DNR approved protocols.

This scope summarizes the project detail provided in the 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 regional Lakes Biologist.

Objective:

Comments: Grantee is LONG LAKE PROT & REHAB DIST

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
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Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	3/29/2017	12/31/2017	APPROVED

Details: Parameter	Value/Amount	Units	Comments
APM Plan	N		
Algae	N		
Algimycin PWF Algaecide / Cyanobactericide	Y		
Alternative - Drawdown	N		

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Details: Parameter	Value/Amount	Units	Comments
Alternative - Dredging	N		
Alternative - Manual Removal	Y		
Alternative - Mechanical Harvesting	N		
Alternative - Nutrient Controls	N		
Alternative - Sediment Screens	N		
Alternative - Why Not Drawdown	Studies have shown detrimental effects to nutrient loading		
Alternative - Why Not Dredging	Public lake		
Alternative - Why Not Manual	Some manual removal is done by homeowners		
Alternative - Why Not Mechanical	Too costly and dealing with localized areas		
Alternative - Why Not Nutrient Control	Unknown		
Alternative - Why Not Sediment Screens	Too costly and would not promote beneficial growth		
Aqua Star	N		
AquaPro Herbicide	N		
AquaShade Aquatic Plant Growth Control	N		
AquaStrike	Y		
Aquaneat Aquatic Herbicide	Y		
Aquashadow Black Pond Colorant	N		
Aquathol K Aquatic Herbicide	Y		
Aquathol Super K Granular Aquatic Herbicide	Y		
Avast! SC Aquatic Herbicide	Y		
Business Location License	N/A		
CO – Date Sent	3/29/2017		
CO-Date_Received	3/29/2017		
CONTROL_INVASIVES	Y		
CONTROL_OTHER	Y		
CONTROL_OTHER_LIST	Aesthetics		
Captain Liquid Copper Algaecide	Y		
Captain XTR Liquid Copper Algaecide	Y		
Category 5 Certification Number	N/A		
Chemical Permit ID	4216		

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Details: Parameter	Value/Amount	Units	Comments
Chemicals - Approved	Algae Defense, Algimycin, Captain/XTR, Cleargate, Cutrine +/Ultra, Earthtec, F-30, Green Clean, Komeen/Granular, Phycomycin, K-Tea, Aquastrike, Aquathol K/Super K, Avast, Current, Clipper, DMA-4, Habitat, Hydrothol, Navigate, Navitrol DPF, Reward, Schooner		
Chemicals Permitted Previous Year	Some		
Chinook	N		
Clearcast (general)	N		
Clearigate	Y		
Clipper Herbicide	Y		
Clipper SC Aquatic Herbicide	N		
Comments	Corrected/added information 7/2/2020 (EAH)		
Common reed (Phragmites australis)	Y		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	Y		
Control - Emergent water plants	Y		
Control - Floating water plants	Y		
Control - Submerged water plants	Y		
Coontail (Ceratophyllum demersum)	N		
Curly-leaf pondweed (Potamogeton crispus)	Y		
Current	Y		
Cutrine-Plus Algaecide and Herbicide	Y		
Cutrine-Plus Granular Algaecide	N		
Cutrine-Ultra Algaecide / Herbicide / cyanobactericide	Y		
DMA 4 IVM Herbicide	Y		
Earthtec Algaecide / Bactericide	Y		
Element 3A Herbicide	N		
Estimated Acres	109.2		
Eurasian water-milfoil (Myriophyllum spicatum)	Y		
Fee	1270		
Field Issued By	Craig_Helker		

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Details: Parameter	Value/Amount	Units	Comments
Flowering Rush	N		
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		
Green Clean (general)	Y		
Habitat (general)	Y		
Harpoon (general)	N		
Harvester Landscape and Aquatic Herbicide	N		
Havoc Amine	N		
Hybrid Cattail	N		
Hybrid Watermilfoil	N		
Hydrothol 191 Aquatic Algicide and Herbicide	Y		
Hydrothol Granular Aquatic Algicide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algaecide	Y		
Komeen Aquatic Herbicide	Y		
Komeen Crystal Aquatic Herbicide	N		
Lake Surface Area	109.19		
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Maintain navigational channel	Y		
Maintain private access - boating	Y		
Maintain private access - fishing	Y		
Method of Application	Backpack sprayer, 2" commercial sprayer, Granular Hand Spreader		
Milestone Herbicide	N		
More than 1 Property Owner	Y		
NUISANCE_CAUSED_OTHER	N		
Naiad	N		
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	Y		
Navitrol DPF Aquatic Herbicide	Y		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		

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Details: Parameter	Value/Amount	Units	Comments
Orb-3 (general)	N		
Other Plants	White water lily, Cattails		
Overflow Controlled	N		
Permit County	Racine		
Permit End Year	2017		
Permit Latitude	42.830671		
Permit Longitude	-88.172274		
Permit PLSS Section	0704N20E		
Permit Start Year	2017		
Permit WBIC	761100		
Permit Year	2017		
Phycomycin SCP Algaecide and Oxidizer	Y		
Polaris	N		
Polaris AC	N		
Pond-Klear	N		
Pondweeds	N		
Private Pond	N		
ProcellaCOR EC	N		
Purple loosestrife (Lythrum salicaria)	Y		
Reed Canary Grass	N		
Reed Manna Grass	N		
Refuge Herbicide	Y		
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	Y		
Rodeo Herbicide	N		
Roundup Custom for Aquatic & Terrestrial Use	N		
SCI-62 Algicide / Bactericide	N		
Sculpin G Aquatic Herbicide	Y		
SeClear (general)	Y		
SeClear G Algaecide and Water Quality Enhancer	Y		
Sensitive Area	N		

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Details: Parameter	Value/Amount	Units	Comments
Shoreklear-Plus Aquatic Herbicide	Y		
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	Y		
Stingray Aquatic Herbicide	N		
Surface Water Discharge	Y		
Symmetry NXG	Y		
TREATMENT_AREA	Long Lake		
Touchdown Pro	Y		
Treatment Area Greater Than 5%	Y		
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	N/A		
Yellow Floating Heart	N		
Yellow Iris	N		

Grant Awarded	Grant ACEI19717 awarded	4/15/2017	6/30/2018	COMPLETE
APM Chemical Treatment Record	Chemical treatment details	5/4/2017	5/4/2017	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Air Temperature	61		
Air Temperature Units	F		
Aqua-Pro Acres	0		
Aqua-Pro Gallons	0		
Aquaneat Acres	0		
Aquaneat Gallons	0		

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Details: Parameter	Value/Amount	Units	Comments
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	62.5		
Aquathol Super K, # Acres	0		
Aquathol Super K, # Pounds	0		
Aquathol, # Acres Gallons	13.29		
Aquathol, # Pounds	0		
Avast Acres	0		
Avast Gallons	0		
CURLY_LEAF_PONDWEED_ SITE	1, 2, 4-12		
Captain XTR, # Acres	0		
Captain XTR, # Gallons	0		
Clearcast Acres	0		
Clearcast Gallons	0		
Clearigate Acres	0		
Clearigate Gallons	0		
Common waterweed (Elodea canadensis)	SP		
Contains Herbicide totals	Y		
Control Comments	Whole lake 2,4-D = 0.182 ppm & whole lake Aquathol K = 0.106 ppm.		
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		

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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		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Duration of Chemical Residualts	21 days		
EURASIAN_WATERMILFOIL_ SITE	1, 3-12		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	TS		
Filamentous Algae	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 Use Restriction Signs Posted in Accordance with NR 107?	Y		
Hydrothol Acres	0		
Hydrothol Gallons	0		
Imazapyr Acres	0		
Imazapyr Gallons	0		
Large Duckweed (Spirodela polyrhiza)	SP		

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Details: Parameter	Value/Amount	Units	Comments
Muskgrasses (Chara)	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry stonewort		
OTHER_Aquatics_SITE	14		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	Jeff Stelzer		
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		
Sonar AS Gallons	0		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	5/4/2017		
Treatment End Time	14:15		
Treatment Start Time	8:45		
Tribune Acres	0		
Tribune Gallons	0		

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Details: Parameter	Value/Amount	Units	Comments
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	58.8		
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		
Wind Direction	NE		
Wind Speed	5-10		

APM Chemical Treatment Record	Chemical treatment details	5/4/2017	5/4/2017	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
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	62.5		
Aquathol Super K, # Acres	0		
Aquathol Super K, # Pounds	0		
Aquathol, # Acres Gallons	25.81		
Aquathol, # Pounds	0		
Avast Acres	0		
Avast Gallons	0		
Captain XTR, # Acres	0		
Captain XTR, # Gallons	0		
Clearcast Acres	0		

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Details: Parameter	Value/Amount	Units	Comments
Clearcast Gallons	0		
Clearigate Acres	0		
Clearigate Gallons	0		
Contains Herbicide totals	N		
Control Comments	DUPLICATE RECORD		
Copper Acres	1.97		
Copper Liquid, # Acres	0		
Copper Liquid, # Gallons	0		
Copper Pounds	120		
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	0		
DMA 4 IVM Gallons	0		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl 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		

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Details: Parameter	Value/Amount	Units	Comments
Harvester Acres	0		
Harvester Gallons	0		
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	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	N/A		
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		
Sonar AS Gallons	0		
Sonor AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date Series	DUPLICATE RECORD		
Tribune Acres	0		
Tribune Gallons	0		

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Details: Parameter	Value/Amount	Units	Comments
Vectobac Acres	0		
Vectobac Gallons	0		
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		

APM Chemical Treatment Record	Chemical treatment details	5/23/2017	5/23/2017	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
Air Temperature	62		
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		
CHARA_SITE	A,B,C,D		
COONTAIL_SITE	A,B,C,D		
CURLY_LEAF_PONDWEED_SITE	B		
Captain XTR, # Acres	0.9		
Captain XTR, # Gallons	8.5		
Clearcast Acres	0		

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Details: Parameter	Value/Amount	Units	Comments
Clearcast Gallons	0		
Cleargate Acres	0		
Cleargate Gallons	0		
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)	SP		
Cutrine Acres	0		
Cutrine Liquid Acres	0		
Cutrine Liquid Gallons	0		
Cutrine Plus Acres	0		
Cutrine Plus Liquid Acres	0		
Cutrine Plus Liquid Gallons	0		
Cutrine Plus Pounds	0		
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		
EURASIAN_WATERMILFOIL_ SITE	B,C		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
FLAMENTOUS_ALGAE_SITE	B,C,D		
Filamentous Algae	SP		
Floridone Acres	0		
Floridone Gallons	0		
Glyphosate Acres	0		
Glyphosate Gallons	0		
Glyphosate Liquid Acres	0		

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Details: Parameter	Value/Amount	Units	Comments
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		
ILLINOIS_PONDWEED_SITE	B		
Illinois pondweed (Potamogeton illinoensis)	SP		
Imazapyr Acres	0		
Imazapyr Gallons	0		
Muskgrasses (Chara)	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	Jeff Stelzer		
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		

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Details: Parameter	Value/Amount	Units	Comments		
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				
Sonar AS Acres	0				
Touchdown Pro Acres	0				
Touchdown Pro Gallons	0				
Treatment Date	5/23/2017				
Treatment End Time	10:49				
Treatment Start Time	9:25				
Tribune Acres	0				
Tribune Gallons	0				
Vectobac Acres	0				
Vectobac Gallons	0				
WHITE_WATER_LILY_SITE	A,C,D				
Water Temperature	60.5				
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				
Wind Direction	S				
Wind Speed	5-10				
APM Chemical Treatment Record	Chemical treatment details		6/7/2017	6/7/2017	COMPLETE
Details: Parameter	Value/Amount	Units	Comments		
Air Temperature	75				
Air Temperature Units	F				
Aqua-Pro Acres	0				

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Details: Parameter	Value/Amount	Units	Comments
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		
Captain XTR, # Acres	0		
Captain XTR, # Gallons	0		
Clearcast Acres	0		
Clearcast Gallons	0		
Clearigate Acres	0		
Clearigate Gallons	0		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
Copper Acres	1.41		
Copper Liquid, # Acres	0		
Copper Liquid, # Gallons	0		
Copper Pounds	84		
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	0		

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Details: Parameter	Value/Amount	Units	Comments
DMA 4 IVM Gallons	0		
Diquat Acres	0		
Diquat Gallons	0		
Diquat Liquid Acres	0		
Diquat Pounds	0		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Filamentous Algae	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 Use Restriction Signs Posted in Accordance with NR 107?	Y		
Hydrothol Acres	0		
Hydrothol Gallons	0		
Illinois pondweed (Potamogeton illinoensis)	SP		
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		
OTHER_Aquatics	TS		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
OTHER_Aquatics_Desc	Starry stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	Jeff Stelzer		
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		
Sonor AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/7/2017		
Treatment End Time	12:47		
Treatment Start Time	11:41		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	71.2		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		

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		
White water lily (Nymphaea odorata)	SP		
Wind Direction	E		
Wind Speed	0-5		

APM Chemical Treatment Record	Chemical treatment details	6/23/2017	6/23/2017	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
Air Temperature	79		
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		
Captain XTR, # Acres	2.16		
Captain XTR, # Gallons	17.5		
Clearcast Acres	0		
Clearcast Gallons	0		
Clearigate Acres	0		
Clearigate Gallons	0		

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

Details: Parameter	Value/Amount	Units	Comments
Contains Herbicide totals	Y		
Coontail (<i>Ceratophyllum demersum</i>)	SP		
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		
Cutrine Plus Liquid Acres	0		
Cutrine Plus Liquid Gallons	0		
Cutrine Plus Pounds	0		
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		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (<i>Myriophyllum spicatum</i>)	SP		
Filamentous Algae	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	0		
Hydrothol Gallons	0		
Illinois pondweed (Potamogeton illinoensis)	SP		
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		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	Jeff Stelzer		
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		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
ShoreKlear Gallons	0		
Sogo pondweed (Stuckenia pectinata)	SP		
Sonar AS Gallons	0		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	6/23/2017		
Treatment End Time	13:52		
Treatment Start Time	11:45		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	74.5		
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		
Wind Direction	NW		
Wind Speed	10-15		

APM Chemical Treatment Record	Chemical treatment details	6/23/2017	6/23/2017	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
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		

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

Details: Parameter	Value/Amount	Units	Comments
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		
Captain XTR, # Acres	2.16		
Captain XTR, # Gallons	17.5		
Clearcast Acres	0		
Clearcast Gallons	0		
Clearigate Acres	0		
Clearigate Gallons	0		
Contains Herbicide totals	N		
Control Comments	DUPLICATE RECORD		
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		
Cutrine Plus Liquid Acres	0		
Cutrine Plus Liquid Gallons	0		
Cutrine Plus Pounds	0		
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		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		

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

Details: Parameter	Value/Amount	Units	Comments
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		
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	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	N/A		
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		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Sculpin G Pounds	0		
SeClear Acres	0		
SeClear Gallons	0		
ShoreKlear Acres	0		
ShoreKlear Gallons	0		
Sonar AS Gallons	0		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date Series	DUPLICATE RECORD		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
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		

APM Chemical Treatment Record	Chemical treatment details	7/20/2017	7/20/2017	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
Air Temperature	80		
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		

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

Details: Parameter	Value/Amount	Units	Comments
Aquathol Super K, # Acres	0		
Aquathol Super K, # Pounds	0		
Aquathol, # Acres Gallons	0		
Aquathol, # Pounds	0		
Avast Acres	0		
Avast Gallons	0		
Captain XTR, # Acres	0		
Captain XTR, # Gallons	0		
Clearcast Acres	0		
Clearcast Gallons	0		
Clearigate Acres	0		
Clearigate Gallons	0		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
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		
Cutrine Plus Liquid Acres	0		
Cutrine Plus Liquid Gallons	0		
Cutrine Plus Pounds	0		
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		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Filamentous Algae	SP		

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

Details: Parameter	Value/Amount	Units	Comments
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 Duckweed (Spirodela polyrhiza)	SP		
Muskgrasses (Chara)	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	Eric Rudzinski		
Phycomycin Acres	0		
Phycomycin Pounds	0		
Polaris Acres	0		
Polaris Gallons	0		
Refuge Acres	0		
Refuge Gallons	0		
Reward Acres	0		

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

Details: Parameter	Value/Amount	Units	Comments
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		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	7/20/2017		
Treatment End Time	11:44		
Treatment Start Time	9:30		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	78.5		
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		
Wind Direction	NW		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments		
Wind Speed	5-10				
APM Chemical Treatment Record	Chemical treatment details		8/11/2017	8/11/2017	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				
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				
Captain XTR, # Acres	0.78				
Captain XTR, # Gallons	5				
Clearcast Acres	0				
Clearcast Gallons	0				
Clearigate Acres	0				
Clearigate Gallons	0				
Contains Herbicide totals	Y				
Coontail (Ceratophyllum demersum)	SP				
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				

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

Details: Parameter	Value/Amount	Units	Comments
Citrine Plus Liquid Gallons	0		
Citrine Plus Pounds	0		
Citrine Pounds	0		
Citrine Ultra Acres	0		
Citrine 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		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Filamentous Algae	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 Duckweed (Spirodela polyrhiza)	SP		

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

Details: Parameter	Value/Amount	Units	Comments
Muskgrasses (Chara)	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2017		
Person Completing Form	Eric Rudzinski		
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		
Sonor AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	8/11/2017		
Treatment End Time	11:49		
Treatment Start Time	10:56		
Tribune Acres	0		

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

Details: Parameter	Value/Amount	Units	Comments
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	74.4		
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		
Wind Direction	NW		
Wind Speed	5-15		

APM Chemical Permit Request	Chemical Permit Details	3/23/2018	3/30/2018	APPROVED
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Details: Parameter	Value/Amount	Units	Comments
APM Plan	N/A		
Algae	N		
Algimycin PWF Algaecide / Cyanobactericide	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	5		
CO - Date Sent	3/30/2018		
CO-Date_Received	3/23/2018		
CONTROL_INVASIVES	N		

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

Details: Parameter	Value/Amount	Units	Comments
CONTROL_OTHER	N		
Captain Liquid Copper Algaecide	N		
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	5897		
Chemicals - Approved	Aquathol K		
Chemicals Permitted Previous Year	N/A		
Chinook	N		
Clearcast (general)	N		
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
Comments	N/A		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	N		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail (Ceratophyllum demersum)	N		
Curly-leaf pondweed (Potamogeton crispus)	Y		
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	20.6		
Eurasian water-milfoil (Myriophyllum spicatum)	N		
Fee	545		

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

Details: Parameter	Value/Amount	Units	Comments
Field - # days	Y		
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		
Hybrid Cattail	N		
Hybrid Watermilfoil	N		
Hydrothol 191 Aquatic Algicide and Herbicide	N		
Hydrothol Granular Aquatic Algicide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algicide	N		
Komeen Aquatic Herbicide	N		
Komeen Crystal Aquatic Herbicide	N		
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Maintain navigational channel	N		
Maintain private access - boating	N		
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		

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

Details: Parameter	Value/Amount	Units	Comments
Other Plants	CLP		
Overflow Controlled	N/A		
PLSS_DIRECTION	E		
PLSS_RANGE	19		
PLSS_SECTION	25		
PLSS_TOWNSHIP	14		
Payment Number	1433		
Permit County	Fond du Lac		
Permit End Year	2018		
Permit Latitude	43.674534		
Permit Longitude	-88.172029		
Permit PLSS Section	25 14N19E		
Permit Start Year	2018		
Permit WBIC	38700		
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		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments		
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				
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	Long 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			4/10/2018	4/26/2018	APPROVED

Details: Parameter	Value/Amount	Units	Comments		
Broad-leaved cattail (Typha latifolia)	N				
Business Location License	N/A				
CO - # days	12				
CO - 15 days	Y				

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

Details: Parameter	Value/Amount	Units	Comments
CO – Date Sent	4/26/2018		
CO-Date_Received	4/10/2018		
CONTROL_OTHER	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	6102		
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	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)	N		
Entered in SharePoint	Y		
Estimated Acres	35		
Eurasian water-milfoil (Myriophyllum spicatum)	N		
Fee	895		
Field - # days	Y		
Field Issued By	Mark_Sundeen		
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

Details: Parameter	Value/Amount	Units	Comments	
Muskgrasses (Chara)	N			
NUISANCE_CAUSED_OTHER	N			
Native Plants	N			
Next Steps	Mark Sundeen			
Other Plants	Curly-leaf pondweed			
PLSS_DIRECTION	W			
PLSS_RANGE	17			
PLSS_SECTION	06			
PLSS_TOWNSHIP	34			
Payment Number	2193			
Permit County	Polk			
Permit End Year	2018			
Permit Latitude	45.459006			
Permit Longitude	-92.525546			
Permit PLSS Section	06 T34N R17W			
Permit Start Year	2018			
Permit WBIC	2478200			
Pithophora	N			
Planktonic Algae	N			
Private Pond	N			
Purple loosestrife (Lythrum salicaria)	N			
SharePoint Submittal	N			
Softstem bulrush (Schoenoplectus tabernaemontani)	N			
Sogo pondweed (Stuckenia pectinata)	N			
TREATMENT_AREA	Long Lake			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			
APM Chemical Permit Request	Chemical Permit Details	4/16/2018	4/30/2018	APPROVED

Details: Parameter	Value/Amount	Units	Comments
Broad-leaved cattail (Typha latifolia)	N		
Business Location License	N/A		
CO - # days	10		
CO - 15 days	Y		
CO - Date Sent	4/30/2018		
CO-Date_Received	4/16/2018		

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

Details: Parameter	Value/Amount	Units	Comments
CONTROL_OTHER	Y		
CONTROL_OTHER_LIST	Aesthetics		
Category 5 Certification Number	N/A		
Chemical Permit ID	6169		
Chemicals - Approved	N/A		
Comments	N/A		
Common arrowhead (Sagittaria latifolia)	N		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Control - Algae	Y		
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)	N		
Entered in SharePoint	Y		
Estimated Acres	10		
Eurasian water-milfoil (Myriophyllum spicatum)	N		
Fee	270		
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	Y		
Maintain private access - boating	Y		
Maintain private access - fishing	N		
Muskgrasses (Chara)	N		

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

Details: Parameter	Value/Amount	Units	Comments
NUISANCE_CAUSED_OTHER	N		
Native Plants	N		
Next Steps	Craig Helker		
Other Plants	SSW		
PLSS_DIRECTION	E		
PLSS_RANGE	20		
PLSS_SECTION	05		
PLSS_TOWNSHIP	04		
Payment Number	14828		
Permit County	Racine		
Permit End Year	2018		
Permit Latitude	42.830671		
Permit Longitude	-88.172274		
Permit PLSS Section	5-7 T4N R20E		
Permit Start Year	2018		
Permit WBIC	761100		
Pithophora	N		
Planktonic Algae	N		
Private Pond	N		
Purple loosestrife (Lythrum salicaria)	N		
SharePoint Submittal	N		
Softstem bulrush (Schoenoplectus tabernaemontani)	N		
Sogo pondweed (Stuckenia pectinata)	N		
TREATMENT_AREA	Long Lake		
Treatment Date	N		
Treatment Date	N		
Treatment Record - Received	N		
Treatment Record - Scanned	N		
Waterbody Type	LAKE		

APM Chemical Treatment Record		5/31/2019		NO_TREATMENT
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Details: Parameter	Value/Amount	Units	Comments
Contains Herbicide totals	N		
Control Comments	No treatment		
Onsite Supervision	No		
Permit County	Polk		
Permit Year	2018		
Person Completing Form	Dale Dressel		
Treatment Date Series	No treatment		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
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		
APM Chemical Treatment Record		7/22/2019	COMPLETE
Details: Parameter	Value/Amount	Units	Comments
Air Temperature	71		
Air Temperature Units	F		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Filamentous Algae	SP		
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
Large Duckweed (Spirodela polyrhiza)	SP		
Muskgrasses (Chara)	SP		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry Stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2018		
Person Completing Form	Eric Rudzinski		
Treatment Date	06/06/2018		
Treatment End Time	2:00		
Treatment Start Time	1:30		
Water Temperature	69.7		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		

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

Details: Parameter	Value/Amount	Units	Comments
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		
Wind Direction	SW		
Wind Speed	10-15		
APM Chemical Treatment Record		7/22/2019	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Air Temperature	75		
Air Temperature Units	F		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
Curly-leaf pondweed (Potamogeton crispus)	SP		
Duration of Chemical Residualts	5 days		
Eurasian water-milfoil (Myriophyllum spicatum)	SP		
Filamentous Algae	SP		
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
Large Duckweed (Spirodela polyrhiza)	SP		
Muskgrasses (Chara)	SP		
OTHER_Aquatics	TS		
OTHER_Aquatics_Desc	Starry Stonewort		
Onsite Supervision	No		
Permit County	Racine		
Permit Year	2018		
Person Completing Form	Eric Rudzinski		
Treatment Date	06/25/2018		
Treatment End Time	6:05		
Treatment Start Time	4:53		
Water Temperature	73.5		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		

8/28/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		
Wind Direction	SE		
Wind Speed	10-15		
APM Chemical Treatment Record		10/10/2019	NO_TREATMENT

Details: Parameter	Value/Amount	Units	Comments
Contains Herbicide totals	N		
Control Comments	DUPLICATE RECORD		
Onsite Supervision	No		
Permit County	Polk		
Permit Year	2018		
Person Completing Form	Mark Sundeen		
Treatment Date Series	DUPLICATE RECORD		
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		

Monitoring Stations

Station ID	Name	Comments

Assessment Units

WBIC	Segment	Local Name	Official Name
2478200	1	Long Lake T34n R17w S06	Long Lake

Lab Account Codes

Account Code	Description	Start Date	End Date

Forms

Form Code	Form Name

Methods

Wisconsin Department of Natural Resources SWIMS Project Summary

Method Code	Method 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
ACEI19717_Final Report [Pre and Post Herbicide Surveys]	Pre- and post-herbicide treatment CLP surveys for Long Lake, Polk Co.	Matthew S. Berg	6/6/2017	
ACEI19717_Final Report [Turion Survey]	Post-herbicide treatment CLP turions survey on Long Lake, Polk Co.	Matthew S. Berg	10/28/2017	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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