

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR19716
Name: WHITE RIVER LAKE MANAGEMENT DISTRICT: White River Flowage Flowering Rush Rapid Response
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Early Detection and Response
Status: COMPLETE
Start Date: 09/01/2015
End Date: 12/31/2017
Purpose: The White River Flowage Lake Management District is sponsoring an Early Detection & Response project to control flowering rush on the White River Flowage (WBIC 151500).
 Project final deliverables include: Annual and Final Reports with all data collected, agendas and minutes for planning meetings, control methodologies, results, and future management alternatives
 Specific project activities include: 1) Survey flowage for flowering rush (FR); 2) GPS all areas where FR is found; 3) Organize volunteers; 4) Conduct hand-pulling activities; 5) Conduct post control monitoring; 6) Provide regular updates to DNR Lake Coordinator;
 Special Conditions: 1) All data shall be entered into the SWIMS database
 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 Lake Biologist.
 If consultant is to provide final report, it is recommended that Grantee provide DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR to receive both paper and electronic .pdf copies of the final report along with, or prior to submission of grantee's final payment request.

Amendment: Herbicide treatment for the control of Flowering Rush is added to the grant. All treatment programs and strategies for removal and control of Flowering Rush shall be approved by the DNR Lake Coordinator. Additionally, all reporting shall include a discussion of herbicide treatment as one of the control activities employed under this grant.

Objective:
Comments: Grantee is WHITE RIVER LAKE MANAGEMENT DISTRICT
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Johnson, Theodore M	LAKE_BIOLOGIS	ACTIVE	08/19/2019		Wisconsin DNR	
Thorstenson, Amy	TEAM_MEMBER	ACTIVE	11/16/2015		Golden Sands Resource Conservation & Development Council, Inc.	
White River Lake District,	GRANT_RECIPII	ACTIVE	06/08/2016		White River Lake District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant AIRR19716 awarded	09/01/2015	12/31/2017	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	11/20/2015	12/22/2015	APPROVED
Details:	Parameter	Value/Amount	Units	Comments
	APM Plan	N		
	APM Plan Agree	N		
	Advance Notification	Y		
	Broad-leaved cattail (Typha latifolia)	N		
	Business Location License	N/A		
	CO - # days	3		
	CO - 15 days	Y		
	CO - Date Sent	11/23/2015		
	CO-Date_Received	11/20/2015		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	2342		
	Chemicals - Approved	Aquathol Super K for CLP, Navi		
	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	9.9		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2016		
	Fee	270		
	Field - 15 days	N		
	Field Issued By	Eric_Evensen		
	Filamentous Algae	N		
	Improvement - swimming	Y		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	N		
	Large Scale Treatment Form	N		
	Large-leaf pondweed (Potamogeton amplifolius)	N		
	Maintain navigational channel	Y		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Maintain private access - boating	Y			
Maintain private access - fishing	Y			
Muskgrasses (Chara)	N			
NUISANCE_CAUSED_OTHER	N			
Native Plants	N			
Next Steps	Sent to Ted/Eric			
Payment Number	543			
Permit County	Waushara			
Permit End Year	2016			
Permit Latitude	44.0343			
Permit Longitude	-89.2621			
Permit PLSS Section	13 18N10E			
Permit Start Year	2016			
Permit WBIC	151500, 148500			
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	White River Flowage			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	05/16/2016	05/16/2016	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	52		
	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	4.51		
	Aquathol Super K, # Pounds	225		
	Aquathol, # Acres Gallons	0		
	Aquathol, # Pounds	0		
	Avast Acres	0		
	Avast Gallons	0		
	CHEMICAL_TREATMENT_ID	3218		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	2342		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Contains Herbicide totals	Y		
	Control Comments	Four water bodies treated (5.4		
	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		

Wisconsin Department of Natural Resources SWIMS Project Summary

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	Waushara		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		

Wisconsin Department of Natural Resources SWIMS Project Summary

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	1.7		
	Sculpin G Pounds	600		
	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	5/16/2016		
	Tribune Acres	5.48		
	Tribune Gallons	10		
	Vectobac Acres	0		
	Vectobac Gallons	0		
	Water Temperature	51		
	Water Temperature Units	F		
	Wind Direction	N/A		
	Wind Speed	5-10		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	03/21/2017	04/10/2017	APPROVED
Details:	Parameter	Value/Amount	Units	Comments
	APM Plan	N		
	APM Plan Agree	N		
	Advance Notification	Y		
	Broad-leaved cattail (Typha latifolia)	N		
	Business Location License	N/A		
	CO - # days	2		
	CO - 15 days	N		
	CO - Date Sent	3/23/2017		
	CO-Date_Received	3/21/2017		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	4121		
	Chemicals - Approved	Tribune, Diquat, Habitat,		
	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	N		
	Estimated Acres	3		
	Eurasian water-milfoil (Myriophyllum spicatum)	N		
	Expiration Date	10/1/2017		
	Fee	95		
	Field - # days	1		
	Field - 15 days	Y		
	Field Issued By	Chris_Kolasinski		
	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		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Maintain - Other Text	Flowering Rush			
Maintain navigational channel	Y			
Maintain private access - boating	Y			
Maintain private access - fishing	N			
Muskgrasses (Chara)	N			
NUISANCE_CAUSED_OTHER	Y			
Native Plants	N			
Next Steps	Ted			
Payment Number	584			
Permit County	Waushara			
Permit End Year	2017			
Permit Latitude	44.031650			
Permit Longitude	-89.260470			
Permit PLSS Section	13 18N10E			
Permit Start Year	2017			
Permit WBIC	148500			
Permit Year	2017			
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	White River Flowage			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	05/25/2017	05/25/2017	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	70		
	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		
	CHEMICAL_TREATMENT_ID	6807		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	4121		
	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		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Citrine Ultra Acres	0		
	Citrine Ultra Gallons	0		
	DMA 4 IVM Acres	0		
	DMA 4 IVM Gallons	0		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat 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	Waushara		
	Permit Year	2017		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

Wisconsin Department of Natural Resources SWIMS Project Summary

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	5/25/2017		
	Tribune Acres	3		
	Tribune Gallons	3		
	Vectobac Acres	0		
	Vectobac Gallons	0		
	Water Temperature	63		
	Water Temperature Units	F		
	Wind Direction	N/A		
	Wind Speed	0-5		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	09/08/2017	09/08/2017	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	60		
	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		
	CHEMICAL_TREATMENT_ID	7059		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	4121		
	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		

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

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Citrine Ultra Acres	0		
	Citrine Ultra Gallons	0		
	DMA 4 IVM Acres	0		
	DMA 4 IVM Gallons	0		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat 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	3		
	Habitat Gallons	0.375		
	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	Waushara		
	Permit Year	2017		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

Wisconsin Department of Natural Resources SWIMS Project Summary

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			
Sonar AS Acres	0			
Touchdown Pro Acres	0			
Touchdown Pro Gallons	0			
Treatment Date	9/8/2017			
Tribune Acres	0			
Tribune Gallons	0			
Vectobac Acres	0			
Vectobac Gallons	0			
Water Temperature	55			
Water Temperature Units	F			
Wind Direction	N/A			
Wind Speed	0-5			

Monitoring Stations

Station ID	Name	Comments
10007423	White River Flowage	

Assessment Units

WBIC	Segment	Local Name	Official Name
148500	2	White River	White River
148500	3	White River	White River
151500	1	White River FI (Lower Pond)	White River FI (Lower Pond)
151625	1	Unnamed	Wilcox Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Wisconsin Department of Natural Resources SWIMS Project Summary

Form Code **Form Name**
 AIS_PRES_ABS_21 Citizen Aquatic Invasives Surveillance Monitoring (03/21)

Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
09/24/2015 08:00	COMPLETE		10007423	White River Flowage

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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