

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR19316
Name: KILBY LAKE PROTECTION AND REHABILITATION DIS: Kilby Lake EWM Rapid Response
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Early Detection and Response
Status: ACTIVE
Start Date: 05/01/2015
End Date: 06/30/2020
Purpose: The Kilby Lake Protection and Rehabilitation District is sponsoring a EWM control and monitoring project through the Rapid Response program. The goal of the project is to understand the EWM population, paying particular attention to controlling this exotic plant species in an ecologically sound basis.
Project Activities:
 1. Determine the extent and dynamics of the EWM population within Kilby Lake, through Early-Season AIS (ESAIS) and late-summer EWM Peak-biomass surveys. A point-intercept survey will also be completed each year.
 2. Develop a control strategy based on survey results and advanced bathymetric surveys.
 3. Acoustic plant survey
 4. Herbicide treatment
 5. Investigate opportunities of hand pulling after initial herbicide treatment.
Project Deliverables:
 Each fall/winter following the open water season, an annual AIS monitoring and Control Strategy Assessment Report would be produced and sent out in Adobe\2019s Portable Document Format (PDF) and their effectiveness. This report would also discuss/propose active management and monitoring strategies for the following summer.
 The proposed active management strategy would be evaluated during the spring pretreatment survey. A final treatment map and associated email report would be provided to the KLPRD, herbicide applicator, and WDNR for final approval. Specific datasets or layers requested by the WDNR would be supplied in ESRI Shapefile format.

Objective:
Comments: Grantee is KILBY LAKE PROTECTION AND REHABILITATION DIS
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Heath, Eddie	LEAD_EQUIPME	ACTIVE	06/02/2016		Onterra, LLC	
Johnson, Theodore M	LAKE_BIOLOGI	ACTIVE	08/19/2019		Wisconsin DNR	
Kenney, Tim	APPLICANT	ACTIVE	06/02/2016			
Kilby Lake P & R District,	GRANT_RECIP	ACTIVE	06/01/2016		Kilby Lake P & R District	
State Lab of Hygiene,	LABORATORY	ACTIVE	06/02/2016		State Lab of Hygiene	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant AIRR19316 awarded	05/01/2015	06/30/2018	COMPLETE

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	04/14/2016	05/02/2016	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		
	CHEMICAL_PERMIT_ID	3077		
	CO - # days	2		
	CO - 15 days	Y		
	CO - Date Sent	4/18/2016		
	CO-Date_Received	4/14/2016		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemicals - Approved	Liquid 2,4-D applied at 2.3 pp		
	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	11.5		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2016		
	Fee	320		
	Field - # days	14		
	Field - 15 days	Y		
	Field Issued By	Eric_Evensen		
	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		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Maintain navigational channel	N			
Maintain private access - boating	N			
Maintain private access - fishing	N			
Muskgrasses (Chara)	N			
NUISANCE_CAUSED_OTHER	N			
Native Plants	N			
Next Steps	Sent to Ted			
Payment Number	1138			
Permit County	Marquette			
Permit End Year	2016			
Permit Latitude	43.8041			
Permit Longitude	-89.3544			
Permit PLSS Section	06 15N10E			
Permit Start Year	2016			
Permit WBIC	104200			
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	Kilby Lake			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			

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Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	05/26/2016	05/26/2016	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	74		
	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_PERMIT_ID	3077		
	CHEMICAL_TREATMENT_ID	2813		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Contains Herbicide totals	Y		
	Control Comments	Alligare 2,4-D: 74 gallons app		
	Copper Acres	0		
	Copper Liquid, # Acres	0		
	Copper Liquid, # Gallons	0		
	Copper Pounds	0		
	Citrine Acres	0		
	Citrine Liquid Acres	0		
	Citrine Liquid Gallons	0		
	Citrine Plus Acres	0		
	Citrine Plus Liquid Acres	0		
	Citrine Plus Liquid Gallons	0		
	Citrine Plus Pounds	0		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Citrine Pounds	0		
	Citrine Ultra Acres	0		
	Citrine Ultra Gallons	0		
	DMA 4 IVM Acres	0		
	DMA 4 IVM Gallons	0		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat Gallons	0		
	Diquat Liquid Acres	0		
	Diquat Pounds	0		
	Endothol Acres	0		
	Endothol Liquid Acres	0		
	Endothol Liquid Gallons	0		
	Endothol Pounds	0		
	Floridone Acres	0		
	Floridone Gallons	0		
	Glyphosate Acres	0		
	Glyphosate Gallons	0		
	Glyphosate Liquid Acres	0		
	Glyphosate Pounds	0		
	Green Clean Acres	0		
	Green Clean Gallons	0		
	H2O2 Acres	0		
	H2O2 Pounds	0		
	Habitat Acres	0		
	Habitat Gallons	0		
	Harvester Acres	0		
	Harvester Gallons	0		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Hydrothol Acres	0		
	Hydrothol Gallons	0		
	Imazapyr Acres	0		
	Imazapyr Gallons	0		
	Nautique Acres	0		
	Nautique Gallons	0		
	Navigate Acres	0		
	Navigate, # Pounds	0		
	Onsite Supervision	N		
	Permit County	Marquette		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		

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Details: Parameter	Value/Amount	Units	Comments	
	Polaris Gallons	0		
	Refuge Acres	0		
	Refuge Gallons	0		
	Reward Acres	0		
	Reward Gallons	0		
	Reward Liquid Acres	0		
	Reward Pounds	0		
	Rodeo Acres	0		
	Rodeo Gallons	0		
	SCI-62 Acres	0		
	SCI-62 Gallons	0		
	Sculpin G Acres	0		
	Sculpin G Pounds	0		
	SeClear Acres	0		
	SeClear Gallons	0		
	ShoreKlear Acres	0		
	ShoreKlear Gallons	0		
	Sonar AS Gallons	0		
	Sonor AS Acres	0		
	Touchdown Pro Acres	0		
	Touchdown Pro Gallons	0		
	Treatment Date	5/26/2016		
	Tribune Acres	0		
	Tribune Gallons	0		
	Vectobac Acres	0		
	Vectobac Gallons	0		
	Water Temperature	73		
	Water Temperature Units	F		
	Wind Direction	N/A		
	Wind Speed	5		

Monitoring Stations

Station ID	Name	Comments
10003893	Kilby Lake	
10044582	Kilby Lake - Deep Hole	
10044580	Kilby Lake - NE (Herbicide Monitoring Site 2)	
10044579	Kilby Lake - SW (Herbicide Monitoring Site 1)	

Assessment Units

WBIC	Segment	Local Name	Official Name
104200	1	Kirby Lake	Kilby Lake
104200	2	Kilby Lake Beach	Kilby Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/29/2015	COMPLETE		10003893	Kilby Lake
	SCHEDULED		10003893	Kilby Lake

Documents

Title	Description	Author	Published	Comments
Surface Water Grant Project Lab Costs	Lab costs for grant received by Kilby Lake Protection and Rehabilitation District.			

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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