

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:** COMPLETE

**Start Date:** 5/1/2015

**End Date:** 6/30/2020

**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_EQUIPMENT	ACTIVE	6/2/2016		Onterra, LLC	
Johnson, Theodore M	LAKE_BIOLOGIST	ACTIVE	8/19/2019		Wisconsin DNR	
Kenney, Tim	APPLICANT	ACTIVE	6/2/2016			
Kilby Lake P & R District,	GRANT_RECIPIENT	ACTIVE	6/1/2016		Kilby Lake P & R District	
State Lab of Hygiene,	LABORATORY	ACTIVE	6/2/2016		State Lab of Hygiene	

Project Statuses

Date	Reported By	Status	Comments
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Actions

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant AIRR19316 awarded	5/1/2015	6/30/2018	COMPLETE
APM Chemical Permit Request	Chemical Permit Details	4/14/2016	5/2/2016	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		
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		
Chemical Permit ID	3077		
Chemicals - Approved	Liquid 2,4-D applied at 2.3 ppm in treatment areas, .375 ppm lake-wide		
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		

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Details: Parameter	Value/Amount	Units	Comments
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		
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		

7/25/2024

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Details: Parameter		Value/Amount	Units	Comments	
Treatment Record - Scanned		N			
Waterbody Type		LAKE			
APM Chemical Treatment Record	Chemical treatment details		5/26/2016	5/26/2016	COMPLETE
Details: Parameter		Value/Amount	Units	Comments	
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			
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 treatment = 0.375 ppm			
Coontail (Ceratophyllum demersum)		SP			
Copper Acres		0			
Copper Liquid, # Acres		0			
Copper Liquid, # Gallons		0			
Copper Pounds		0			
Cutrine Acres		0			

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Details: Parameter	Value/Amount	Units	Comments
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		
Duration of Chemical Residualts	21		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl Pounds	0		
Eurasian water-milfoil (Myriophyllum spicatum)	TS		
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 Use Restriction Signs Posted in Accordance with NR 107?	Y		

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Details: Parameter	Value/Amount	Units	Comments
Hydrothol Acres	0		
Hydrothol Gallons	0		
Imazapyr Acres	0		
Imazapyr Gallons	0		
Large-leaf pondweed (Potamogeton amplifolius)	SP		
Nautique Acres	0		
Nautique Gallons	0		
Navigate Acres	0		
Navigate, # Pounds	0		
OTHER_Aquatics	SP		
OTHER_Aquatics_Desc	Spatterdock		
Onsite Supervision	No		
Permit County	Marquette		
Permit Year	2016		
Person Completing Form	James Scharl		
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	5/26/2016		

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Details: Parameter	Value/Amount	Units	Comments
Treatment End Time	11:00		
Treatment Start Time	9:30		
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		
Watershield (Brasenia schreberi)	SP		
White water lily (Nymphaea odorata)	SP		
Wind Direction	W		
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

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Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/29/2015	COMPLETE		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 WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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