

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRD11218
Name: UNIVERSITY OF WISCONSIN - OSHKOSH: Impacts of zebra mussels on P uptake in Lake Winnebago
Type: Aquatic Invasives Grant
Subtype:
Status: ACTIVE
Start Date: 04/15/2018
End Date: 12/31/2021
Purpose: UW-Oshkosh is sponsoring a grant to study the impacts of zebra mussels on phosphorus uptake and conversion in Lake Winnebago. 1) Zebra mussel density and biomass will be monitored using scuba divers at ten rocky littoral sites and five offshore reefs twice per summer during 2018 and 2019. Maps of zebra mussel density and biomass will be created. 2) Mesocosms with lake water will be set up along the shoreline in 2018 and 2019 at five sites and zebra mussels attached to rocks from the site will be added. Total phosphorus (TP) clearance from the mesocosm water will be measured. Then the excretion rate of soluble reactive phosphorus (SRP) from individual zebra mussels from the mesocosms will be measured in smaller containers of filtered lake water. 3) Whole-lake estimates of zebra mussel TP clearance and SRP excretion will be developed using the zebra mussel survey data and phosphorus conversion rates from the mesocosm studies. SRP loading estimates will be compared with known sources of SRP through collaboration with those working on the Upper Fox River TMDL. The information collected during this study will be provided to the TMDL team. Department liaison(s) will oversee the proposed studies. Biannual check-in meetings will occur and progress reports will be presented to Department staff. The first check-in meeting will occur before project work begins. Results will be shared at professional meetings (including the Wisconsin Lakes Convention) and published in peer-reviewed scientific journals. A short management brief, summarizing study findings for the general public, will be developed in collaboration with the Department. The final project report will include results, conclusions of studies and any project data in electronic format. It is recommended that the Grantee provide the DNR liaison with a draft report prior to requesting final payment.

Objective:
Comments: Grantee is UNIVERSITY OF WISCONSIN - OSHKOSH
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
University of Wisconsin Oshk	GRANT_RECIPII	ACTIVE	12/14/2018		University of Wisconsin Oshkosh	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant AIRD11218 awarded	04/15/2018	12/31/2019	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
117900	4	Fox River (At Oshkosh)	Fox River
130600	1	Neenah Channel	Neenah Channel
131100	1	Lake Winnebago	Lake Winnebago
131100	2	High Cliff SP - Lake Winnebago Beach	Lake Winnebago
131100	3	Menominee Park Beach	Lake Winnebago

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WBIC	Segment	Local Name	Official Name
131100	4	Lake Winnebago - Fresh Air Park Beach	Lake Winnebago
131130	1	Unnamed Creek	Unnamed
131200	1	Unnamed Streams	Unnamed
131500	1	Mill Creek	Mill Creek
131600	1	Mud Creek	Mud Creek
131650	1	Unnamed Trib to Lk Winnebago	Unnamed
131700	1	Roberts Creek	Roberts Creek
131900	1	Johnson Creek	Johnson Creek
132100	1	Unnamed (Brothertown) Creek	Unnamed
132200	1	Paukotuk-Candlish Creek	Unnamed
132300	1	Local Water	Unnamed
132400	1	Local Water	Unnamed
132600	1	Van Dyne Creek	Van Dyne Creek
133600	1	Supple Marsh	Supple Marsh
138400	1	Taycheedah Creek	Taycheedah Creek
3000093	1	Unnamed trib to Lake Winnebago	Unnamed
3000094	1	Local Water	Unnamed
3000188	1	Local Water	Unnamed
5023696	1	Unnamed Stream	Unnamed
5025342	1	Unnamed Stream	Unnamed
5025803	1	Unnamed Stream	Unnamed
5562315	1	Local Water	Unnamed
5562445	1	Lake Winnebago- Channel Off Harbor View	Unnamed
5562446	1	Local Water	Unnamed
5587866	1	Local Water	Unnamed

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
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Documents

Title	Description	Author	Published	Comments
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Budget

Combined Budgets:

Combined SLOH:

Combined Total:

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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