

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AIRD11821  
**Name:** UNIVERSITY OF WISCONSIN-MADISON: Determining fate of the novel herbicide florpyrauxifen-benzy  
**Type:** Aquatic Invasives Grant  
**Subtype:**  
**Status:** ACTIVE  
**Start Date:** 03/15/2021  
**End Date:** 12/31/2023  
**Purpose:** The Board Of Regents of the University of Wisconsin System is sponsoring a project to conduct an aquatic invasive species research study on the degradation of floryprauxifen-benzyl [FPB] following herbicide treatments conducted for aquatic plant management in Wisconsin lakes. The project aims to determine the mechanisms responsible for FPB breakdown in lakes by: 1) quantifying both direct and indirect photolysis of FPB in lake water using lab experiments; 2) quantifying FPB degradation in water-only and water-sediment environments; 3) determining the primary degradation pathway of FPB following in field applications; and 4) quantifying FPB persistence and degradation products post treatment in lakes.

Project deliverables include: Data on the relative importance of both direct and indirect FPB photodegradation; data on microbial degradation of FPB in water and sediment matrices; data on the spatial distribution and persistence of FPB in water and sediment following aquatic plant control activities in lakes.

Special Conditions: Quarterly reports and a final report summarizing these findings will be submitted to WDNR. WDNR will meet with sponsor periodically during project to discuss progress on deliverables and overall project goals.

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

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
The Board Of Regents of the	TEAM_MEMBER	ACTIVE	06/09/2021		The Board Of Regents of the University of Wisconsin System	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant AIRD11821 awarded	03/15/2021	12/31/2023	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
102100	1	Bughs Lake	Bughs Lake
816800	1	Whitewater Lake	Whitewater Lake
816800	3	Whitewater Lake Boat Launch, Kettle Moraine St. Forest B4	Whitewater Lake
1542300	1	Kawaguesaga Lake	Kawaguesaga Lake

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WBIC	Segment	Local Name	Official Name
1542400	1	Minocqua Lake	Minocqua Lake
1542500	1	Tomahawk River Thoroughfare	Tomahawk Thoroughfare
1542700	1	Tomahawk Lake	Tomahawk Lake
1543900	1	Little Tomahawk Lake	Little Tomahawk Lake
1544000	1	Mud Lake	Mud Lake
1564000	1	Crescent Creek	Crescent Creek
1564200	1	Crescent Lake	Crescent Lake
1623700	1	Twin Lakes	Twin Lakes (South)
1623800	1	Twin Lakes	Twin Lakes (North)
2081200	1	Beaver Dam Lake, Main Basin	Beaver Dam Lake
2615100	1	Cedar Lake	Cedar Lake
2615200	1	Horse Creek	Horse Creek

### 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:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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