

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1533-14  
**Name:** HALF MOON LAKE INLAND LAKE P & R DISTRICT: Half Moon Lake Management Planning Project  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 10/01/2013  
**End Date:** 12/31/2015  
**Purpose:** Half Moon Lake Protection and Rehabilitation District is sponsoring a large scale lake planning grant to study Half Moon Lake, in Lincoln County. The project will focus on developing a Lake Management Plan (LMP) for Half Moon Lake.

Project activities include: 1) Stakeholder participation \2013 stakeholder survey, planning meetings (up to 2), kick-off meeting, wrap-up meeting, news release(s), and newsletter article; 2) Water quality sampling and analysis; 3) Watershed assessment and P load modeling; 4) Paleolimnological sampling; 5) Fisheries assessment; 6) Shoreline and coarse woody habitat assessment; 7) Professional Dreissena monitoring; 8) Aquatic plant surveys (Early season AIS survey, PI survey analysis, CLP assessment, community mapping, substrate mapping); 9) Data analysis; 10) Develop LMP.

Project deliverables include: 1) Stakeholder survey, news release(s), and newsletter article; 2) Water chemistry data; 3) Paleocore analysis; 4) Watershed maps and modeling data; 5) PI data analysis and shoreland data; 6) Aquatic plant community and substrate maps; 7) LMP.

Specific conditions for this project: 1) Draft of stakeholder survey needs to be submitted to Lakes Management Coordinator for review and approval before sending to public; 2) Draft of LMP needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of LMP, news release(s), newsletter article, stakeholder survey, data analysis from PI, shoreland assessment, watershed assessment and water quality sampling, all maps from project, and all GIS data.

**Objective:**

**Comments:** Grantee is HALF MOON LAKE INLAND LAKE P & R DISTRICT

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Castellanos, Emily	TEAM_MEMBER	ACTIVE	04/23/2014		Onterra, LLC	
Half Moon Lake P&R Dist.,	GRANT_RECIPII	ACTIVE	10/01/2013	12/31/2015	Half Moon Lake P&R Dist.	
Hanke, Todd	TEAM_MEMBER	ACTIVE	12/08/2014		Onterra, LLC	
Hoyman, Molly	TEAM_MEMBER	ACTIVE	12/08/2014			
Hoyman, Tim	TEAM_MEMBER	ACTIVE	12/08/2014		Onterra, LLC	
Kreitlow, James D	COORDINATOR	COMPLETE	02/27/2014	08/29/2020	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Aquatic Plant Monitoring or Survey		10/01/2013	12/31/2015	PROPOSED
Monitor Water Quality or Sediment		10/01/2013	12/31/2015	PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	10/01/2013	12/31/2015	PROPOSED

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Action	Detailed Description	Start	End Date	Status
Grant Awarded	Half Moon Lake Protection and Rehabilitation District is sponsoring a large scale lake planning grant to study Half Moon Lake, in Lincoln County. The project will focus on developing a Lake Management Plan (LMP) for Half Moon Lake.  Project activities include: 1) Stakeholder participation \2013 stakeholder survey, planning meetings (up to 2), kick-off meeting, wrap-up meeting, news release(s), and newsletter article; 2) Water quality sampling and analysis; 3) Watershed assessment and P load modeling; 4) Paleolimnological sampling; 5) Fisheries assessment; 6) Shoreline and coarse woody habitat assessment; 7) Professional Dreissena monitoring; 8) Aquatic plant surveys (Early season AIS survey, PI survey analysis, CLP assessment, community mapping, substrate mapping); 9) Data analysis; 10) Develop LMP.	10/01/2013	12/31/2015	COMPLETE
Lake Management Plan Development		10/01/2013	12/31/2015	PROPOSED
Watershed Mapping or Assessment		10/01/2013	12/31/2015	PROPOSED
Data analysis, report production		10/01/2013	12/31/2015	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
353091	Halfmoon Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
988000	1	Halfmoon Lake	Halfmoon 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
05/27/2014 11:30	COMPLETE	HMLS	353091	Halfmoon Lake - Deep Hole
05/27/2014 11:35	COMPLETE	HMLB	353091	Halfmoon Lake - Deep Hole
06/23/2014 16:40	COMPLETE	HMLB	353091	Halfmoon Lake - Deep Hole
06/23/2014 16:40	COMPLETE	HMLS	353091	Halfmoon Lake - Deep Hole
07/24/2014 09:35	COMPLETE	JULY B HMLB	353091	Halfmoon Lake - Deep Hole

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Start Date	Status	Field ID	Station ID	Station Name
07/24/2014 09:35	COMPLETE	JULY-S HMLS	353091	Halfmoon Lake - Deep Hole
08/27/2014 16:10	COMPLETE	HMLB	353091	Halfmoon Lake - Deep Hole
08/27/2014 16:10	COMPLETE	HMLS	353091	Halfmoon Lake - Deep Hole
10/22/2014 11:00	COMPLETE	FALL B HMLB	353091	Halfmoon Lake - Deep Hole
10/22/2014 11:00	COMPLETE	FALL S HMLS	353091	Halfmoon Lake - Deep Hole
02/19/2015 14:18	COMPLETE	HMLB	353091	Halfmoon Lake - Deep Hole
02/19/2015 14:18	COMPLETE	HMLS	353091	Halfmoon Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
Application Materials - Half Moon Lake Management Planning Project		Onterra LLC	07/25/2013	
Half Moon Lake Comprehensive Management Plan		Onterra, LLC	10/01/2015	
Halfmoon Lake Maps		Onterra, LLC	10/01/2015	

### Budget

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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