

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPT-356-10

Name: DESAIR LAKE RESTORATION, INC.: LMI-Desair Lake Sediment Reduction & Habitat Improvement Project

Type: Lakes Grant

Subtype: Lake Protection Grant

Status: COMPLETE

Start Date: 9/1/2009

End Date: 12/31/2014

Purpose: Desair Lake Restoration, Inc. in partnership with the Barron County Soil and Water Conservation Department will implement a project to reduce sedimentation to Desair Lake by remediating streambank erosion and slowing/infiltrating runoff through a series of management actions that will also improve habitat. These include: 1) grade, stabilize, rock toe, and plant intermittent, high flow tributary streams; 2) design/build erosion control and runoff best management practices (e.g. grass swales, rain garden, and/or shoreline restoration) at the public boat landing; 3) design/build grassed waterway and detention basins at higher elevations in the watershed; 4) restore hydrology to a previously drained 10-acre wetland; and 5) complete lake sediment alum dosing study.

Special condition: Project design plans and landowner contracts need approval before project begins, and applicable water regulation permits must be issued before construction activities commence. Actions 1 through 4 listed above require operation and maintenance plans and contracts that must be recorded on the property owner's 2019s deeds.

Deliverables: a final report summarizing the results of the implementation project and alum dosing study as well as copies of databases, maps, GIS files, or any other products associated with the project.

This scope is intended to summarize the detailed project scope provided in the application and does not supersede those application tasks/deliverables. Data, records, reports, and educational materials, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.

Objective:

Comments: Grantee is DESAIR LAKE RESTORATION, INC.

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Desair Lake Restoration, Inc.,	GRANT_RECIPIENT	ACTIVE	9/1/2009		Desair Lake Restoration, Inc.	
James, William	TEAM_MEMBER	ACTIVE	4/10/2015		University of Wisconsin - Stout	

Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Paleocore	Three cores were taken from three different sites within Lake Desair. Analysis of the diatom community was performed.	7/8/2004	7/8/2004	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments	
Total Phosphorus				
Total Suspended Solids				
Retention Basin - Create or Improve	Instillation of multiple sediment retention ponds in the Desair Lake watershed. (Rcrd# 30093248)	9/1/2009	11/1/2013	COMPLETE
Details: Parameter	Value/Amount	Units	Comments	
Total Nitrogen				
Total Phosphorus				
Total Suspended Solids				
Habitat Restoration - Shoreland	Shoreland Restoration. Multiple streambank restorations in watershed.	9/1/2009	12/31/2014	COMPLETE
Details: Parameter	Value/Amount	Units	Comments	
Total Nitrogen				
Total Phosphorus				
Total Suspended Solids				
Grant Awarded	Desair Lake Restoration, Inc. in partnership with the Barron County Soil and Water Conservation Department will implement a project to reduce sedimentation to Desair Lake by remediating streambank erosion and slowing/infiltrating runoff through a series of management actions that will also improve habitat. These include: 1) grade, stabilize, rock toe, and plant intermittent, high flow tributary streams; 2) design/build erosion control and runoff best management practices (e.g. grass swales, rain garden, and/or shoreline restoration) at the public boat landing; 3) design/build grassed waterway and detention basins at higher elevations in the watershed; 4) restore hydrology to a previously drained 10-acre wetland; and 5) complete lake sediment alum dosing study.	9/1/2009	12/31/2012	COMPLETE

Monitoring Stations

Station ID	Name	Comments

Assessment Units

WBIC	Segment	Local Name	Official Name
2104500	1	Lake Desair	Lake Desair

Lab Account Codes

Account Code	Description	Start Date	End Date
CF013	LAKE PROTECTION GRANTS	1/1/1960	12/31/2099
CF014	LAKE PROTECTION GRANTS	1/1/1960	12/31/2099
CF015	LAKE PROTECTION GRANTS	1/1/1960	12/31/2099
CF016	LAKE PROTECTIONS GRANTS	1/1/1960	12/31/2099

Wisconsin Department of Natural Resources SWIMS Project Summary

Forms				
Form Code	Form Name			
Methods				
Method Code	Method Description			
Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
Documents				
Title	Description	Author	Published	Comments
Alum Dosage Considerations for Lake Desair, Wisconsin		William F. James	10/24/2012	
Desair Lake 2012 Progress Presentation	2012 Conference: The Red Cedar Land, Water, and People Coming Together. "Healing a Sick Little Lake: Desair Lake Turns the Corner on Water Quality after Fifteen Years".	Rod Olson	3/22/2012	
Desair Lake Rain Garden 2012	Photo of the Lake Desair Rain garden at the public boat landing. Photo taken by Rod Olson 06/14/2012.	Rod Olson	1/2/2013	
Desair Lake Stream Sediment Reduction (Photo)	Progress made by the Desair Lake Association, Desair Lake Restoration Inc in sediment runoff reduction. Sept 2009.	Ashley Beranek	8/14/2012	
Desair Lake Watershed Henkle Pond Construction 2012	These photos were taken by Rod Olson and document the construction of the Henkle detention pond in the Desair Lake watershed. This is one of the construction projects aimed at reducing the sediment and phosphorus loading of Lake Desair.	Rod Olson	3/21/2013	
Limnological Dynamics and Phosphorous Budget Analysis for Lake Desair, Wisconsin [WBIC 2104500]	Limnological Dynamics and Phosphorous Budget Analysis	William F. James	11/25/2013	
Phytoplankton and Phosphorus Dynamics in Lake Desair, Wisconsin, 2014 [WBIC 2104500]	Phytoplankton and Phosphorus Dynamics in Lake Desair 2014	University of Wisconsin - Stout	11/25/2014	

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

8/28/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

Funding					
Organization	Source	Type	Amount	Start Date	End Date