

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPT-487-15
Name: COURTE OREILLES LAKE ASSOC.: RES-Lac Courte Oreilles Shoreland Restoration
Type: Lakes Grant
Subtype: Lake Protection Grant
Status: ACTIVE
Start Date: 04/15/2015
End Date: 12/31/2018
Purpose: Courte Oreilles Lake Association is sponsoring a project to design and install shoreline buffer restorations on Lac Courte Oreilles and Little Lac Courte Oreilles Lakes.

Project tasks include: 1) Shoreline buffer design/restoration on approximately 25 shoreline sites; 2) Modeling to estimate TSS and TP reductions from buffer restorations; 3) Develop and distribute shoreline buffer educational materials.

Shoreline restorations shall follow standards set forth in NR 191.24(3) unless mutually agreed to in writing with the regional lake biologist before implementation occurs. Shoreline restorations using grant funding for plants or labor require a Department approved restrictive covenant that permanently establishes the vegetative buffer on the parcel. Maintenance, operation, and protection will be specified in a ten-year contract for each BMP site. The Department may perform site inspection and/or monitoring.

Project deliverables include: a report and map summarizing project activities including modeling results and educational materials developed, square feet of shoreline buffer restored, individual property shoreline restoration plans, pre-post photos of funded restorations, signed 10 year maintenance agreements, and copies of all Shoreland Vegetative Protection Agreements.

Special conditions: Applicable water regulation and/or county zoning permits must be issued before construction activities commence.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.

Objective:
Comments: Grantee is COURTE OREILLES LAKE ASSOC.
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Lac Courte Oreilles Lakes As	GRANT_RECIP	ACTIVE	04/15/2015		Lac Courte Oreilles Lakes Association Inc (Cola)	
Smith, Alex R	COORDINATOR	ACTIVE	04/15/2015		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
ATTAINS Alternative Restoration Approach	Courte Oreilles Lake Association is sponsoring a project to design and install shoreline buffer restorations on Lac Courte Oreilles and Little Lac Courte Oreilles Lakes. Project tasks include: 1) Shoreline buffer design/restoration on approximately 25 shoreline sites; 2) Modeling to estimate TSS and TP reductions from buffer restorations; 3) Develop and distribute shoreline buffer educational materials.	04/15/2015	12/31/2018	COMPLETE
Grant Awarded	<p>Courte Oreilles Lake Association is sponsoring a project to design and install shoreline buffer restorations on Lac Courte Oreilles and Little Lac Courte Oreilles Lakes.</p> <p>Project tasks include: 1) Shoreline buffer design/restoration on approximately 25 shoreline sites; 2) Modeling to estimate TSS and TP reductions from buffer restorations; 3) Develop and distribute shoreline buffer educational materials.</p> <p>Shoreline restorations shall follow standards set forth in NR 191.24(3) unless mutually agreed to in writing with the regional lake biologist before implementation occurs. Shoreline restorations using grant funding for plants or labor require a Department approved restrictive covenant that permanently establishes the vegetative buffer on the parcel. Maintenance, operation, and protection will be specified in a ten-year contract for each BMP site. The Department may perform site inspection and/or monitoring.</p> <p>Project deliverables include: a report and map summarizing project activities including modeling results and educational materials developed, square feet of shoreline buffer restored, individual property shoreline restoration plans, pre-post photos of funded restorations, signed 10 year maintenance agreements, and copies of all Shoreland Vegetative Protection Agreements.</p>	04/15/2015	12/31/2016	COMPLETE
Habitat Restoration - Shoreland	Shoreland Restoration	04/15/2015	12/31/2016	PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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
Assessment and Prioritization of the Riparian Buffer Zone of Lac Courte Oreilles Using Geographic Information Systems [Presentation]	Presentation on the methods of the shoreland condition assessment for Lac Courte Oreilles as well as the results based off of parcels of land. Includes results of a citizen survey about erosion of shoreland.	Kara Fitzpatrick		
Bedwell Property - After [Photo1]	After picture of the native planting that was installed on the Bedwell property.		02/08/2019	
Bedwell Property - After [Photo2]	After picture of the native planting that was installed on the Bedwell property.		02/08/2019	
Bedwell Property - After [Photo3]	After picture of the native planting that was installed on the Bedwell property.			
Bedwell Property - After [Photo4]	After picture of the native planting that was installed on the Bedwell property.		02/08/2019	
Bedwell Property - After [Photo5]	After picture of the native planting that was installed on the Bedwell property.		02/08/2019	
Bedwell Property - After [Photo6]	After picture of the native planting that was installed on the Bedwell property.		02/08/2019	
Bedwell Property - After [Photo7]	After picture of the native planting that was installed on the Bedwell property.		02/08/2019	
Bedwell Property - Before [Photo]	Before Picture of the native planting that was going to be installed on the Bedwell property		02/08/2019	
Bedwell Property - During [Photo]	Picture taken during the installation of a native planting that is on the Bedwell property		02/08/2019	
Broken Arrow Condominium Association (BACA) Shoreline - After [Photo]	In 2017, owners of the BACA cabins finished a major shoreline restoration project that began back in November 2016. The shoreline was seriously damaged, after years and years of neglect, with the ultimate blow dealt in the July 2016 storm when many trees went down in straight line winds.		01/01/2017	
Broken Arrow Condominium Association (BACA) Shoreline - Before [Photo]	In 2017, owners of the BACA cabins finished a major shoreline restoration project that began back in November 2016. The shoreline was seriously damaged, after years and years of neglect, with the ultimate blow dealt in the July 2016 storm when many trees went down in straight line winds.		01/01/2016	
Lac Courte Oreilles Shoreland Buffer Projects [Website]	Website for the Lac Courte Oreilles Shoreland Restoration project as part of LPT-487-15.	Courte Oreilles Lake Association		
Short Ears, Long Tales - Courte Oreilles Lakes Association Newsletter Issue #21	Broken Arrow Shoreline and Cabins Get Facelift - If a shoreline could say ¿thank you,¿ there is 500 feet on Lac Courte Oreilles that would breathe a sigh of relief and say just that. Beginning in mid-February rock riprap	Kathy Hanson	07/01/2017	

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Title	Description	Author	Published	Comments
Short Ears, Long Tales - Courte Oreilles Lakes Association Newsletter Issue #3	<p>was placed along 200 feet of the BACA shoreline. Then, in early May Envirolok bags were filled onsite with the soil/compost for the plants and placed in conjunction with the rock riprap. Biologs are also being used to restore and stabilize another 120 feet of the shoreline. Pulford said without the native shrubs and other traditional vegetation to hold the upland soil in place (known as the "buffer") the shoreline is lost—in this case approximately 12-15 feet of shoreline has eroded away since the mid- 80s and has been washed into the lake.</p> <p>COLA takes another giant step in stewardship; shoreland restoration project begins now - Cathy Bross will be the first Lac Courte Oreilles lake homeowner to play a part in the Lac Courte Oreilles shoreland restoration project, scheduled to begin shortly on her 280-foot shoreline on Winter Bay. This article explains COLA's shoreline buffer project for the LCO lakes and provides meaning to the assessment map in the context of overall lake health. This article also provides direction on steps property owners can take to enhance or improve their shoreline buffer on their own, or how to seek grant funded buffer projects through COLA.</p>	Kathy Hanson	06/24/2015	
The Lac Courte Oreilles Lakes Shoreline Assessment and Restoration Project				

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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