

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

- Project ID:** GLRI_00E00552-0
- Name:** Cat Island Chain Restoration Project
- Type:** Great Lakes Restoration Initiative
- Subtype:** Habitat
- Status:** ACTIVE
- Start Date:** 10/1/2010
- End Date:** 12/31/2099
- Purpose:** Habitat destruction and degradation due to fluctuating lake levels have negatively impacted habitat and wildlife in this Area of Concern (AOC). This destruction has led to altered food webs, a loss of biodiversity, and a poorly functioning ecosystem. Restoring the Cat Island Chain by constructing a 2.5 mile wave barrier along the remnant Cat Island Shoals is an opportunity for the protection and restoration of the largest and most critical wetland habitat in the Great Lakes.
- Objective:** Reconstruction of the Cat Island chain would consist of constructing a 2.5 mile wave barrier along the remnant Cat Island shoals. The wave barrier will immediately protect and restore 1,225 acres of shallow water and wetland habitat. Upon the wave barrier 272 acres of islands will be constructed upon the historic footprints using clean dredged material from the Green Bay Harbor. Restoring the islands will lead to recovery of a significant portion of the lower bay habitat and will benefit sport and commercial fisheries, colonial nesting water birds, shorebirds, waterfowl, marsh nesting birds, amphibians, turtles, invertebrates, and fur-bearing mammals.
- Comments:** This project is funded at \$1,500,000.
- Outcome:** A wave barrier extending approximately 2.5 miles from the west shore of Green Bay toward the remaining exposed segment of Cat Island will be constructed of rock and protect 1,225 acres of shallow water and wetland habitat. Three islands totaling about 272 acres will be constructed through a USACE companion project. Terrestrial island habitat will be restored and, by blocking wave energy, reestablishment of aquatic plant beds in 1,600 acres of the lower bay will be promoted.
- The project would provide beneficial use for clean dredged material and would help restore terrestrial and aquatic habitat diversity lost over time as the former islands were destroyed by storms and high water levels. Each island would provide terrestrial and aquatic habitat.
- Vegetation should quickly become established within the constructed islands from existing seed bank in the sediments, which also have sufficient nutrients to support the vegetation. Until the island construction is complete, vegetation within the island dikes will be subject to disturbances, including burial, from subsequent filling operations, but the newly-placed dredged material will quickly re-vegetate.
- Additionally, the islands would help block wave energy from further eroding the fringe remnants of the estuarine wetlands which were once present in the head of Green Bay. The islands would promote the reestablishment of aquatic plant beds in the head of the bay. Overall, project benefits to fish and wildlife in lower Green Bay also would be expected to increase aesthetic and recreational enjoyment.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Haen, Dean	COORDINATOR	ACTIVE	10/12/2010		Brown County	

Project Statuses

Date	Reported By	Status	Comments
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Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	
2. Amount expended this reporting period:	
3. Subcontracts or subgrants awarded this reporting period:	
4. QAPP (Project Plan) status:	
5. Local services and/or products purchased this reporting period:	
6. Number of jobs created this reporting period:	
7. Work accomplished this reporting period:	
8. Work goals for coming reporting period:	
1. Reporting Timeframe Month/Year to Month/Year (Oct-Mar or Apr-Sept):	
2. Quality Documentation status (respond NA if not required):	
3. Describe work performed during this reporting period relating to the activities from the grant workplan (Previous 6 months):	
4. GLRI Action Plan metric(s) accomplished and numerical progress during this reporting period:	
5. GLRI Action Plan metric(s) accomplished and numerical progress since project start (total complete to date):	
6. Percentage (estimate) of project work completed during this reporting period:	
7. Percentage (estimate) of project work completed since the project start (total complete to date):	
8. Is project work on schedule? If no, please explain.	
9. If a problem was encountered, describe the problem and action(s) taken to correct it.	
10. What work is projected during the next reporting period? (Next 6 months):	
11. Will the project take longer than the approved project period? If so, have you requested an extension in writing to the grant coordinator?	
12. Amount expended this reporting period (can be approximate) If no amount expended, explain why.	
13. Is project invoicing/expenditures up to date? If invoicing is more than 3 months overdue, explain why.	
14. Were any significant changes (>10% of the total project amount) made to the project budget? If so, have you notified the grant coordinator in writing?	

Actions

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Action	Detailed Description	Start Date	End Date	Status
Restore Wetlands	Habitat destruction and degradation due to fluctuating lake levels have negatively impacted habitat and wildlife in this Area of Concern (AOC). This destruction has led to altered food webs, a loss of biodiversity, and a poorly functioning ecosystem. Restoring the Cat Island Chain by constructing a 2.5 mile wave barrier along the remnant Cat Island Shoals is an opportunity for the protection and restoration of the largest and most critical wetland habitat in the Great Lakes.	10/1/2010	12/31/2012	PROPOSED
Grant Awarded	Restoring the Cat Island Chain by constructing a 2.5 mile wave barrier along the remnant Cat Island Shoals is an opportunity for the protection and restoration of the largest and most critical wetland habitat in the Great Lakes.	10/1/2010	12/31/2099	IN_PROGRESS

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	Method 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
Cat Island Chain Restoration, GLRI proposal Haen	Cat Island Chain Restoration, GLRI proposal Haen	Haen, Dean	2/1/2011	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

7/4/2024

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Organization	Source	Type	Amount	Start Date	End Date
Great Lakes National Program Office	Federal	Other type of funding	\$1,500,000.00		