

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: GLRI_37712862

Name: Sheboygan AOC Pathway to Delisting Habitat BUI's - Survey and Assessment

Type: Great Lakes Restoration Initiative

Subtype: Toxics and Areas of Concern

Status: ACTIVE

Start Date: 10/01/2010

End Date: 12/31/2099

Purpose: The lower Sheboygan River and Harbor were designated a Great Lakes Area of Concern (AOC) in 1985 by the International Joint Commission (IJC). This AOC encompasses the lower river downstream from the Sheboygan Falls Dam including the entire harbor and nearshore area of Lake Michigan. In the Sheboygan River, it is suspected that high levels of nutrients, solids, and toxic chemicals along with land use changes have contributed to the degradation of animal and plant populations and the reduction in fish and wildlife habitat and populations. Two of the Nine Beneficial Use Impairments (BUIs) identified for the Sheboygan River and Harbor AOC include:

- degradation of fish and wildlife populations
- loss of fish and wildlife habitat

Objective: This project is intended to support the development of delisting strategies and a fish and wildlife population and habitat restoration plan to address the fish and wildlife population and fish and wildlife habitat beneficial use impairments for the Sheboygan River and Harbor Area of Concern. This project includes a rapid ecological assessment using historical and current data, as well as conducting new field surveys, as needed, to fill data gaps or update data needed for the assessment. This project is part of an overall collaboration with the Sheboygan River Basin Partnership who is also seeking a grant from the Great Lakes Restoration Initiative under the same project name.

Comments: \$202,181

Time Line: Funds are anticipated to be available July 1, 2010. DNR Project is to be completed by July 1, 2012.

July 2010 to April 2011. DNR Review of historical and current data. This will help guide DNR field survey work and contribute to the development of the ecological assessment.

January 2011 to October 2011. DNR Field Surveys - initial findings available by January 1, 2012. Final ecological assessment report will be completed by June 30, 2012.

January 2012 to December 2012. Work with SRBP Fish & Wildlife Technical Advisory Committee to develop fish and wildlife habitat and population BUI delisting strategies and restoration plan. Plan to be finalized by SRBP in December of 2012.--NOTE: THIS PART OF THE PROJECT WAS NOT FUNDED.

Outcome: The end goal is for all of the Great Lakes Areas of Concern to be restored and protected so that they can be delisted, or removed from the list of 43 AOCs within the Great Lakes. This proposal is intended to support a comprehensive restoration planning project with the Sheboygan River Basin Partnership (SRBP). The information supplied and collected by DNR staff will be used to develop a strategy for delisting the fish and wildlife beneficial use impairments (BUIs) in the Sheboygan River and Harbor AOC. The data from the field surveys will be finalized within an ecological assessment report for the Sheboygan AOC. Outputs include field survey data reports and an ecological assessment report for the Area of Concern. This information will be used to further refine specific delisting targets for fish and wildlife habitat and populations along with development of a comprehensive AOC fish and wildlife habitat restoration plan.

Project Statuses

Date	Reported By	Status	Comments
12/21/2010	DONALEA DINSMORE	Active	Interim approval for Wintering Bird Survey field work granted - Donalea Dinsmore
12/31/2010	LAUREL LAST	Progress: 0-25% Comple	Project is underway. Please see project status details.
03/31/2011	LAUREL LAST	Progress: 0-25% Comple	Project is underway. Wintering bird surveys completed. Wadable macroinvertebrate samples collected and at lab for analysis. Northern pike surveys initiated. Contractors hired for herptile and

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Date	Reported By	Status	Comments
			breeding bird surveys. Survey protocols and QAPP almost complete. QAPP requires some minor adjustments. Problems Encountered: EPA's desire for expedited delisting affected the scope and objectives of this project.

Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4): 2. Amount expended this reporting period:	<p>Q2</p> <p>Dollars spent:</p> <ul style="list-style-type: none"> --Fish: \$34.10 (truck mileage) + \$18.00 (TRIPS) + \$509.98 (GPS). --Bats: \$2,875 (Anabat bat detector). --Ecological Assessment: \$1,190.94 for project coordination (part of the \$2,000 subcontract awarded to Golden Sands RC&D) --Wintering Birds: \$81.83 (supplies). --All other segments of project: \$0 spent.
3. Subcontracts or subgrants awarded this reporting period:	<p>LTE hours used:</p> <ul style="list-style-type: none"> --Fish: 8 LTE hours. --Wildlife (Wintering Birds, Fish-Eating Birds, and Small Mammals): 287.25 LTE hours out of a total of 1040. --QAPP and Project QA: 148 LTE hours out of 200 hours set aside from Watershed LTE hours. --All other segments of project: 0 LTE hours used. <p>--Herptiles: \$2,000 --Breeding Birds: \$3,000 --Ecological Assessment: \$2,000 --All other segments of project: 0 subcontracts awarded.</p>
4. QAPP (Project Plan) status:	<p>QAPP Status:</p> <p>Completed QAPP Version 1.0 and submitted to Quality Assurance Coordinator for review. Assisted in answering her questions and working toward full QAPP approval.</p> <p>Conduct first quarterly project update meeting and enter quarterly report into SWIMS.</p> <p>Note that Quality Assurance Coordinator gave interim approval for northern pike surveys to begin.</p>
5. Local services and/or products purchased this reporting period:	<p>Still remaining: Complete final QAPP revisions to accomplish full QAPP approval, distribute final QAPP, complete 3 quarterly meetings and reports, and perform QA/QC support and reporting as needed.</p> <p>QA activities:</p> <p>All segments of project: No QA activities or corrective actions.</p> <ul style="list-style-type: none"> --Fish: GPS from Cabela's. --Herptiles: Subcontractor services (see #3). --Breeding Birds: Subcontractor services (see #3). --Ecological Assessment: Subcontractor services (see #3). --Wintering Birds: Supplies (see #2).
6. Number of jobs created this reporting period:	<p>--All Other Segments: No local services or products purchased.</p> <ul style="list-style-type: none"> --Fish: No LTE was hired specifically for this project; however, budget includes LTE hours equaling 75% of a full-time position. --Herptiles: About 2% of a full-time position (contract). --Breeding Birds: About 2% of a full-time position (contract). --Ecological Assessment: About 2% of a full-time position (contract). --All Other Segments: No jobs created.

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Question

7. Work accomplished this reporting period:

Answer

--Fish: Netted for northern pike survey for 4 nights.
 --Ecological Assessment: Developed biotic inventory protocols, developed subcontracts to perform biotic inventory.
 --Wintering Birds: Remaining 6 of 7 bird surveys performed—data collection 100% complete.
 --All Other Segments: No work performed (besides planning and QAPP).

8. Work goals for coming reporting period:

Problems Encountered: EPA's desire for expedited delisting affected the scope and objectives of this project (starting with previous quarter).
 --Fish: Complete netting for northern pike surveys and start wadeable (fish community) surveys.
 --Macroinvertebrates and Fish Habitat: Start fish habitat surveys.
 --Herptiles: Perform herptile surveys (contractor).
 --Breeding Birds: Perform breeding bird surveys (contractor).
 --Mussels: Start mussel surveys (contractor).
 --Bats: Start bat surveys.
 --Natural community/ rare plant / invasive plants: Start natural community/ rare plant / invasive plant surveys.
 --Wintering Birds: Complete data analysis and reporting for wintering bird surveys.
 --Fish-Eating Birds: Begin kingfisher burrow surveys and monitoring.
 --Small Mammals: Begin small mammal collection.
 --QAPP: Complete and finalize QAPP and distribute.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BEYLER, SUSAN M	TEAM_MEMBER	ACTIVE	06/09/2011		Wisconsin DNR	
Boyle, Owen	TEAM_MEMBER	ACTIVE	06/09/2011		WDNR	
Clark, Andy	TEAM_MEMBER	ACTIVE	06/09/2011		WDNR	
DINSMORE, DONALEA	COORDINATOR	ACTIVE	12/20/2010		Wisconsin DNR	
EGGOLD, BRADLEY T	TEAM_MEMBER	ACTIVE	06/09/2011		Wisconsin DNR	
Hron, Stacy	TEAM_MEMBER	ACTIVE	06/09/2011		Sheboygan River Partnership	
Katsma, Dale	TEAM_MEMBER	ACTIVE	06/08/2011		WDNR	
LAST, LAUREL L	COORDINATOR	ACTIVE	10/01/2010	12/31/2099	Wisconsin DNR	
MASTERSON, JOHN P	PROJECT_LEAD	ACTIVE	10/01/2010	12/31/2099	Wisconsin DNR	
MILLER, DUSTIN P	TEAM_MEMBER	ACTIVE	06/09/2011		Wisconsin DNR	
MOTL, TRAVIS M	TEAM_MEMBER	ACTIVE	06/09/2011		Wisconsin DNR	
PAPPAS, VICTOR C	PROJECT_LEAD	ACTIVE	10/01/2010	12/31/2099	Wisconsin DNR	
Redell, Dave	TEAM_MEMBER	ACTIVE	06/09/2011		WDNR	
SEARLE, GREGORY S	COORDINATOR	ACTIVE	10/01/2010	12/31/2099	Wisconsin DNR	
Sparrow-Lien, Missy	TEAM_MEMBER	ACTIVE	06/09/2011			

Actions

Action	Detailed Description	Start Date	End Date	Status
Comprehensive Planning Studies	. This project is intended to support the development of delisting strategies and a fish and wildlife population and habitat restoration plan to address the fish and wildlife population and fish and wildlife habitat beneficial use impairments for the	10/01/2010	12/31/2099	PROPOSED

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Action	Detailed Description	Start Date	End Date	Status
	Sheboygan River and Harbor Area of Concern. This project includes a rapid ecological assessment using historical and current data, as well as conducting new field surveys, as needed, to fill data gaps or update data needed for the assessment.			

Monitoring Stations

Station ID	Name	Comments
603480	Onion River - Ourtown Road	
10031889	Onion River - Upstream of CTHY A	
10031890	Onion River - Upstream of Risseeuw Road	
603378	Sheboygan River - (2b) Between Riverbend And Roller Mills Dams, 50' Upstream Kohler Carehouse, 8'Off Rdb	
10031888	Sheboygan River - Between Walderhaus and Riverbend Dams	
10011269	Sheboygan River - Sheboygan River Below Kohler Dams	
603434	Sheboygan River - Tecumseh Reach, Ldb, Across From Sediment Area 4	
10031887	Sheboygan River - Upstream of Weedens Creek Confluence	
10031829	Sheboygan River Upstream of New Jersey Ave	
603002	Sheboygan River at 8th Street	
603095	Sheboygan River at Sth 28 Sheboygan-Esslingen Park	
10031886	Storm Water Pond - At SW Corner of South Taylor Drive and County Highway PP Intersection	
10031564	Weedens Creek - Upstream of CTHY A	
10015600	Weedens Creek Upstream Of Sth 28	
10031891	Willow Creek - Upstream of Confluence with Sbeboygan River	
10021113	Willow Creek - Upstream of Woodlake Road	
10009340	Willow Creek At Greendale Road	

Assessment Units

WBIC	Segment	Local Name	Official Name
50700	1	Sheboygan River	Sheboygan River
50740	2	Willow Creek	Unnamed
50800	1	Weeden'S Creek	Weedens Creek
50950	1	Unnamed Trib To Sheboygan River	Unnamed

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
10/11/2010	COMPLETE	20101110-60-04	603434	Sheboygan River - Tecumseh Reach, Ldb, Across From Sediment Area 4
10/18/2010	COMPLETE	20101018-60-05	10021113	Willow Creek - Upstream of Woodlake Road
10/28/2010	COMPLETE	20101028-60-01	10031829	Sheboygan River Upstream of New Jersey Ave
10/28/2010	COMPLETE	20101028-60-02	603095	Sheboygan River at Sth 28 Sheboygan-Esslingen Park
10/28/2010	COMPLETE	20101028-60-03	10031891	Willow Creek - Upstream of Confluence with Sheboygan River
10/28/2010	COMPLETE	20101028-60-04	10009340	Willow Creek At Greendale Road
10/28/2010	COMPLETE	20101028-60-06	10011269	Sheboygan River - Sheboygan River Below Kohler Dams
10/28/2010	COMPLETE	20101028-60-07	10031564	Weedens Creek - Upstream of CTHY A
10/28/2010	COMPLETE	20101028-60-08	10015600	Weedens Creek Upstream Of Sth 28
11/03/2010	COMPLETE	20101103-60-02	10031890	Onion River - Upstream of Risseeuw Road
11/03/2010	COMPLETE	20101103-60-03	10031889	Onion River - Upstream of CTHY A
11/03/2010	COMPLETE	20101103-60-04	603480	Onion River - Ourtown Road
11/10/2010	COMPLETE	20101110-60-01	10031887	Sheboygan River - Upstream of Weedens Creek Confluence
11/10/2010	COMPLETE	20101110-60-02	603378	Sheboygan River - (2b) Between Riverbend And Roller Mills Dams, 50' Upstream Kohler Carehouse, 8'Off Rdb
11/10/2010	COMPLETE	20101110-60-03	10031888	Sheboygan River - Between Walderhaus and Riverbend Dams

Documents

Title	Description	Author	Published	Comments
Macroinvertebrate QAPP	Sampling plan for macroinvertebrates - incomplete QAPP	Last, Laurel	10/01/2010	
QAPP for Sheboygan AOC Pathway to Delisting Habitat BUIs-- Survey and Assessment	Quality Assurance Project Plan for Sheboygan AOC Pathway to Delisting Habitat BUIs--Survey and Assessment Project Version 1.0	Laurel Last	03/01/2011	This version of the QAPP is complete and approved by Vic Pappas and Laurel Last. It is not yet approved by Donalea Dinsmore, and may be modified before final approval. Appendices are not included.
Sheboygan AOC Fish & Wildlife Survey & Assessment Budget Detail	Detailed budget for Sheboygan AOC fish and wildlife habitat and population assessment GLRI project.	Ryan Raab	06/24/2010	
Sheboygan AOC Fish and Wildlife Assessment			10/07/2010	Draft GLRI project proposal
Sheboygan AOC Fish and Wildlife Survey and Assessment Project Budget	Budget for Sheboygan AOC Fish and Wildlife Survey and Assessment GLRI project.	Ryan Raab	06/24/2010	
Sheboygan AOC Pathway to Delisting Habitat BUIs-- Survey and Assessment Project Proposal	Final GLRI project proposal for Sheboygan River AOC fish and wildlife habitat and population assessment project.	Various	06/24/2010	
Sheboygan River AOC Project - Summary Report part 1	Part 1 of Final report for grant to the Sheboygan River Basin Partnership to assist WDNR in implementing 2011 GLRI-funded Baseline Assessments and identify fish and wildlife habitat restoration projects in cooperation with the AOC Fish and Wildlife Technical Advisory Committee. Document was split into 4 parts to meet SWIMS file size limit.	Stantec Consulting Services	05/05/2011	

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Title	Description	Author	Published	Comments
Sheboygan River AOC Project - Summary Report part 2	Part 2 of Final report for grant to the Sheboygan River Basin Partnership to assist WDNR in implementing 2011 GLRI-funded Baseline Assessments and identify fish and wildlife habitat restoration projects in cooperation with the AOC Fish and Wildlife Technical Advisory Committee. Document was split into 4 parts to meet SWIMS file size limit.	Stantec Consulting Services	05/05/2011	
Sheboygan River AOC Project - Summary Report part 3	Part 3 of Final report for grant to the Sheboygan River Basin Partnership to assist WDNR in implementing 2011 GLRI-funded Baseline Assessments and identify fish and wildlife habitat restoration projects in cooperation with the AOC Fish and Wildlife Technical Advisory Committee. Document was split into 4 parts to meet SWIMS file size limit.	Stantec Consulting Services	05/05/2011	
Sheboygan River AOC Project - Summary Report part 4	Part 4 of Final report for grant to the Sheboygan River Basin Partnership to assist WDNR in implementing 2011 GLRI-funded Baseline Assessments and identify fish and wildlife habitat restoration projects in cooperation with the AOC Fish and Wildlife Technical Advisory Committee. Document was split into 4 parts to meet SWIMS file size limit.	Stantec Consulting Services	05/05/2011	
Wintering Bird Survey	Study design for wintering bird survey	Laurel Last	12/20/2010	
Wintering Bird Survey QAPP	SAP for wintering bird study - interim approval to do field work granted - Donalea Dinsmore	Katsma, Dale and Last, Laurel	12/21/2010	

Budget					
Code	Description	Quantity	Units	Unit Cost	Total Cost
Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs: \$0.00					