

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: RP-214-12

Name: MILWAUKEE RIVERKEEPER: Identifying Stream Passage Impediments in the Menomonee River

Type: River Grant

Subtype: River Planning Grant

Status: COMPLETE

Start Date: 7/1/2011

End Date: 6/30/2013

Purpose: The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access.

A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams. Total project costs are \$50,000 with a grant award of \$10,000.

Objective:

Comments: Grantee is MILWAUKEE RIVERKEEPER

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Milwaukee Riverkeeper,	GRANT_RECIPIENT	ACTIVE	7/1/2011	6/30/2012	Milwaukee Riverkeeper	

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Rivers Planning Grant	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE
Information and Education	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE
Fish Management, Access	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE

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Details: Parameter	Value/Amount	Units	Comments
BMP Implementation			
I & E Activities			
PCBs			
Permit Modification			
Products Developed: Stormwater Plan			
Protective Areas: Feet of bank protected			
Protective Areas: Feet of bank protected			
Protective Areas: Feet of bank protected			
Report Writeup			
Stormwater Goals Addressed: Protective areas			
Stormwater Goals Addressed: Reduce TSS			
Streambank & Shoreline Protection: Pollutant load reduction			
Streambank & Shoreline Protection: Units			
Streambank &Shoreline Protection: Pollutant load reduction			
Streambank &Shoreline Protection: Units			
Streambanks: Feet of bank protected			
Streambanks: Feet of bank protected			
Streambanks: Feet of bank protected			
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			
Watershed Outreach, Planning			

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Grant Awarded	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE
Informational Meetings	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE
Project Deliverable	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE

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Habitat Restoration - Instream	The project proposal is to identify and prioritize stream impediments for removal along the natural mainstream reaches of the Menomonee and Little Menomonee Rivers, including several major tributaries. This will be done by identifying and documenting barriers, analyzing impacts of each barrier, prioritizing barrier removals, educating/involving public, and working with local municipalities and counties to address impediments. The overall goal is to improve fish passage and public access. A GIS database will be developed to include, stream barrier locations, types and removal priority. A final report will be incorporated into a watershed restoration plan. Public outreach materials will also be created. The report and information will be shared with government agencies to make decisions on implementing best management practices to improve the targeted streams.	7/1/2011	6/30/2013	COMPLETE
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Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
16000	3	Menomonee River	Menomonee River

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

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Title	Description	Author	Published	Comments
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed	Development of the Menomonee River watershed has created many impassable culverts, has filled in or altered habitat, and created other artificial barriers like dams and drop structures that impair both passage for fish, as well as habitat for all aquatic life. The first step to addressing fish passage issues and fragmentation of aquatic stream habitat is identifying impediments to fish movement. This inventory of stream passage impediments and opportunities for addressing aquatic habitat fragmentation included both a desktop analysis and field surveys of potential barriers and associated habitats expected to provide spawning habitat to northern pike (<i>Esox lucius</i>), which was selected as our focal species.	Milwaukee Riverkeeper	8/30/2013	
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix A Part 1]	Menomonee River Watershed Fish Passage Survey: Barriers & Potential Habitat Connectivity Maps for Butler Creek, Dretzka Park Creek, Goldendale Creek, Grantosa Creek, Lily Creek, Little Menomonee Creek, and Little Menomonee River.	Milwaukee Riverkeeper	8/30/2013	
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix A Part 2]	Menomonee River Watershed Fish Passage Survey: Barriers & Potential Habitat Connectivity Maps for Little Menomonee River, Menomonee River, Nor-X-Way Channel, Noyes Park Creek, Willow Creek, and several unnamed streams.	Milwaukee Riverkeeper	8/30/2013	
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix B]	Menomonee River Watershed Fish Passage Survey -- Observed Habitat Potential Maps	Milwaukee Riverkeeper	8/30/2013	
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix C]	Menomonee River Barrier Report Forms (from Microsoft Access Database)	Milwaukee Riverkeeper	8/30/2013	

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Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix D]	Ozaukee County Prioritization Spreadsheet (including descriptions of the equation and weighting factors)	Milwaukee Riverkeeper	8/30/2013	
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix E Part 1]	Interfluve Report -- "Low Flow Barriers Concept Plan: Swan Boulevard to Harmonee Drive	Interfluve	5/1/2013	
Identifying Stream Passage Impediments and Opportunities to Address Aquatic Habitat Fragmentation in the Menomonee River Watershed [Appendix E Part 2]	Interfluve Report -- "Low Flow Barriers Concept Plan: Swan Boulevard to Harmonee Drive	Interfluve	5/1/2013	
Milwaukee Riverkeepers [Website]	Milwaukee Riverkeepers Link	Milwaukee Riverkeeper	4/25/2012	

Budget

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

Funding

Organization	Source	Type	Amount	Start Date	End Date
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