

National Fish and Wildlife Foundation

Sustain Our Great Lakes 2014 - Submit Final Programmatic Report (New Metrics)

Grantee Organization: Lakeshore Natural Resource Partnership, Inc.

Project Title: Little Manitowoc River Coastal Wetland Restoration (WI)

Project Period	7/11/2014 - 9/30/2018
Project Location	Lower reaches of the Little Manitowoc River in the City of Manitowoc, Manitowoc County, WI.
Description (from Proposal)	
Project Summary (from Proposal)	Restore the meandering stream and shallow open water connection between the Little Manitowoc River and the adjacent Lake Michigan coastal wetland. Project will provide critical habitat for fish, birds, and invertebrates as well as restore natural floodplain wetland conditions.
Project Status and Accomplishments	Little Manitowoc River Coastal Wetland Restoration Year End Report 2015

A full habitat analysis has been completed showing 15 unique habitat types in the project area. We have collected three years of water quality data and will be repeating our analyses in 2016. We have also been establishing benchmark data for avian species completing both a marsh bird survey and song bird survey in Spring 2015. We are collaborating with UW Sea Grant to perform fish surveys in 2015. We have completed a full invasive species management plan this summer and have treated phragmites for three years with the third treatment just finished in October 2015. We have had three stakeholder meetings to date and a landowner meetings in July and September, 2015. Additionally, we have presented the plan to the Boards of Woodland Dunes Nature Center, the Manitowoc Zoological Society, the West Foundation, and the Manitowoc County Parks and Recreation Committee. A conceptual plan is in place for the coastal wetland restoration that was based on input from the appropriate stakeholders including representatives from the DNR, UW Fish and Wildlife, Ducks Unlimited, the Wisconsin Waterfowl Association, the Lakeshore Invasive Species Management Area, Friends of the Manitowoc River Watershed, and the City of Manitowoc.

We will be continuing with our monitoring data, engaging with landowners, and further developing the engineering plans in anticipation of applying for DNR and Corps of Engineers permits. Reconstruction of the coastal wetland is planned for late 2016. By the end of the grant period we will have a restored Lake Michigan coastal wetland along with three years of water quality and macro invertebrate data, two years of avian and fish monitoring, and a long-term invasive species management plan.

Leverage of Funds

Beyond the \$391,480 grant from the National Fish and Wildlife Foundation, we have been able to leverage significant additional funds. Although not all can be used for a match because of the start date, they are listed here as part of the overall funding matrix.

- Fund for Lake Michigan: \$100,000
- Brico Fund 2014: \$40,000
- Brico Fund 2015: \$50,000
- DNR AIS Phragmites Grant: \$19,977
- UW-Manitowoc Foundation 2013: \$3,000
- UW-Manitowoc Foundation 2014: \$3,000
- UW-Manitowoc Foundation 2015: \$3,000
- Great Lakes Protection Fund 2013: \$5,000
- Great Lakes Protection Fund 2015: \$12,500
- DNR River Planning Grant 2013-2014: \$10,000
- DNR River Planning Grant 2015-2016: \$9,562.50
- USFWS Coastal Program in collaboration with Woodland Dunes: \$25,000
- USFWS Coastal Program in collaboration with Ducks Unlimited: \$85,000

Lessons Learned

Activities and Outcomes

Funding Strategy: Habitat Restoration

Metric: SOGL - Instream restoration - Miles restored

Required: Recommended

Description: Enter the number of miles restored

Starting Value	0.00 Miles restored
Value To Date	2.50 Miles restored
Target value	2.50 Miles restored

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Fish passage improvements - Miles of stream opened

Required: Recommended

Description: Enter the number of miles of stream opened

Starting Value	0.00 Miles of stream opened
Value To Date	0.50 Miles of stream opened
Target value	0.50 Miles of stream opened

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Beach habitat quality improvements - Miles restored

Required: Recommended

Description: Refers to miles of shoreline on mainland or on islands to be restored

Starting Value	0.00 Miles restored
Value To Date	1.00 Miles restored
Target value	1.00 Miles restored

Note:

Funding Strategy: Capacity, Outreach, Incentives

Metric: SOGL - Economic benefits - # jobs sustained

Required: Recommended

Description: Enter the number of jobs sustained

Starting Value	0.00 # jobs sustained
Value To Date	3.00 # jobs sustained
Target value	3.00 # jobs sustained

Note:

Funding Strategy: Planning, Research, Monitoring

Metric: SOGL - Monitoring - # streams/sites being monitored

Required: Recommended

Description: Enter the number of streams/sites being monitored

Starting Value	0.00 # streams/sites being monitored
Value To Date	4.00 # streams/sites being monitored
Target value	4.00 # streams/sites being monitored

Note:

Funding Strategy: Planning, Research, Monitoring

Metric: SOGL - Monitoring - Miles being monitored

Required: Recommended

Description: Enter the number of miles being monitored

Starting Value	0.00 Miles being monitored
Value To Date	2.50 Miles being monitored
Target value	2.50 Miles being monitored

Note:

Funding Strategy: Planning, Research, Monitoring

Metric: SOGL - Monitoring - Acres being monitored

Required: Recommended

Description: Enter the number of acres being monitored

Starting Value	0.00 Acres being monitored
Value To Date	232.00 Acres being monitored
Target value	232.00 Acres being monitored

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Wetland restoration - Acres restored

Required: Recommended

Description: Refer to Guidance for Grantee Reporting for additional guidance

Starting Value	0.00 Acres restored
Value To Date	38.00 Acres restored
Target value	38.00 Acres restored

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Riparian restoration - Miles restored

Required: Recommended

Description: Include miles when possible

Starting Value	0.00 Miles restored
Value To Date	2.50 Miles restored
Target value	2.50 Miles restored

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Riparian restoration - Acres restored

Required: Recommended

Description: Enter the number of acres restored

Starting Value	0.00 Acres restored
Value To Date	232.00 Acres restored
Target value	232.00 Acres restored

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Restoring hydrology - Miles with restored hydrology

Required: Recommended

Description: Enter the number of miles with restored hydrology

Starting Value	0.00 Miles with restored hydrology
Value To Date	0.50 Miles with restored hydrology
Target value	0.50 Miles with restored hydrology

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Restoring hydrology - Acres with restored hydrology

Required: Recommended

Description: Total wetland acres with restored hydrology (newly accessible habitat)

Starting Value	0.00 Acres with restored hydrology
Value To Date	38.00 Acres with restored hydrology
Target value	38.00 Acres with restored hydrology

Note:

Funding Strategy: Habitat Conservation

Metric: SOGL - Removal of invasives - Miles restored

Required: Recommended

Description: Include miles when applicable to stream/riparian habitat

Starting Value	0.00 Miles restored
Value To Date	2.50 Miles restored
Target value	2.50 Miles restored

Note:

Funding Strategy: Habitat Conservation

Metric: SOGL - Removal of invasives - Acres restored

Required: Recommended

Description: Include acres when applicable to wetland habitat

Starting Value	0.00 Acres restored
Value To Date	232.00 Acres restored
Target value	232.00 Acres restored

Note:

Funding Strategy: Habitat Restoration

Metric: SOGL - Land restoration - Acres restored

Required: Recommended

Description: Summary metric - enter total number of acres restored/improved

Starting Value	0.00 Acres restored
Value To Date	232.00 Acres restored
Target value	232.00 Acres restored

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