

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: RP31818
Name: NORTH LAKE MANAGEMENT DISTRICT: Sediment and Nutrient Study of Oconomowoc River - Monches to North Lake
Type: River Grant
Subtype: River Planning Grant
Status: ACTIVE
Start Date: 02/15/2018
End Date: 06/30/2020
Purpose: North Lake Management District is sponsoring project to complete a sediment and nutrient study for the Oconomowoc River Watershed with the following goals: 1) Estimate watershed sediment, phosphorus, and pollutant sources and loads of the River 2) Evaluate sediment accretion/erosion/transport within the Monches Millpond and the River downstream of the Dam 3) Complete in-stream bank and bed survey 4) Examine sediment and riverbed stability within the former Funks Millpond 5) Communicate results and recommendations to the District, WDNR, and other interested parties.

Project deliverables: completion of a comprehensive report including the following elements: 1) Historical, present-day, and planned future land use information to help estimate phosphorus, sediment, and select pollutant loads, 2) Mapped changes to sediment deposits created by using digital orthophotography to evaluate changes to sediment bars and general channel form within the Monches Millpond and the River downstream and related to changes during and immediately after dam reconstruction/removal will also be mapped, 3) On-water survey data including: channel form, sediment types and distribution, debris jams and channel obstructions, eroding banks and unstable channel form, riparian vegetation, and potentially other factors. Attention will be given to channel stability in the former Funks impoundment, millrace, and dam area. 4) Discussion of project background issues, conclusions, and recommendations generated will be in a format useful to the WDNR and average Lake user.

Specific project conditions: WDNR will be provided electronic and hard copies of data and reports/plans generated because of this project.

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 River Biologist.

Objective:
Comments: Grantee is NORTH LAKE MANAGEMENT DISTRICT
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
------	------	--------	------------	----------	--------------	----------

Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

Actions

Action	Detailed Description	Start	End Date	Status
--------	----------------------	-------	----------	--------

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>North Lake Management District is sponsoring project to complete a sediment and nutrient study for the Oconomowoc River Watershed with the following goals:</p> <p>1) Estimate watershed sediment, phosphorus, and pollutant sources and loads of the River 2) Evaluate sediment accretion/erosion/transport within the Monches Millpond and the River downstream of the Dam 3) Complete in-stream bank and bed survey 4) Examine sediment and riverbed stability within the former Funks Millpond 5) Communicate results and recommendations to the District, WDNR, and other interested parties. Project deliverables: completion of a comprehensive report including the following elements: 1) Historical, present-day, and planned future land use information to help estimate phosphorus, sediment, and select pollutant loads, 2) Mapped changes to sediment deposits created by using digital orthophotography to evaluate changes to sediment bars and general channel form within the Monches Millpond and the River downstream and related to changes during and immediately after dam reconstruction/removal will also be mapped, 3) On-water survey data including: channel form, sediment types and distribution, debris jams and channel obstructions, eroding banks and unstable channel form, riparian vegetation, and potentially other factors. Attention will be given to channel stability in the former Funks impoundment, millrace, and dam area. 4) Discussion of project background issues, conclusions, and recommendations generated will be in a format useful to the WDNR and average Lake user.</p>	02/15/2018	06/30/2019	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
ATTAINS Water Identified for Protection	<p>North Lake Management District is sponsoring project to complete a sediment and nutrient study for the Oconomowoc River Watershed with the following goals:</p> <p>1) Estimate watershed sediment, phosphorus, and pollutant sources and loads of the River 2) Evaluate sediment accretion/erosion/transport within the Monches Millpond and the River downstream of the Dam 3) Complete in-stream bank and bed survey 4) Examine sediment and riverbed stability within the former Funks Millpond 5) Communicate results and recommendations to the District, WDNR, and other interested parties. Project deliverables: completion of a comprehensive report including the following elements: 1) Historical, present-day, and planned future land use information to help estimate phosphorus, sediment, and select pollutant loads, 2) Mapped changes to sediment deposits created by using digital orthophotography to evaluate changes to sediment bars and general channel form within the Monches Millpond and the River downstream and related to changes during and immediately after dam reconstruction/removal will also be mapped, 3) On-water survey data including: channel form, sediment types and distribution, debris jams and channel obstructions, eroding banks and unstable channel form, riparian vegetation, and potentially other factors. Attention will be given to channel stability in the former Funks impoundment, millrace, and dam area. 4) Discussion of project background issues, conclusions, and recommendations generated will be in a format useful to the WDNR and average Lake user.</p>	02/15/2018	06/30/2019	IN_PROGRESS

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			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
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				

Monitoring Stations

Station ID	Name	Comments
------------	------	----------

Assessment Units

WBIC	Segment	Local Name	Official Name
850800	1	North Lake	North Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
--------------	-------------	------------	----------

Forms

Form Code	Form Name
-----------	-----------

Methods

Method Code	Description
-------------	-------------

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
------------	--------	----------	------------	--------------

Documents

Title	Description	Author	Published	Comments
-------	-------------	--------	-----------	----------

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
--------------	--------	------	--------	------------	----------