

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: RM07518
Name: CITY OF GREENFIELD: (319) City of Greenfield - Wildcat Creek Restoration
Type: River Grant
Subtype: River Protection Grant
Status: COMPLETE
Start Date: 04/15/2018
End Date: 12/31/2019
Purpose: The City of Greenfield is undertaking activities to stabilize streambanks within a 500-foot section of Wildcat Creek, a tributary to the Root River, in Milwaukee County.

Project activities: 1) Create engineering plans and obtain permits for stream bank stabilization of 500 feet of Wildcat Creek located within Kulwicki Park; 2) during the Fall of 2018 or as soon thereafter as practicable, install vegetated soil-lifts and fieldstone/river rock in the project portion of Wildcat Creek as designed; 3) conduct in-stream debris removal; 4) conduct project outreach.

Project deliverables: 1) Create engineering plans for streambank stabilization utilizing vegetated soil-lifts and fieldstone/river rock for the project portion of Wildcat Creek, as well as identify/quantify areas for proposed in-stream debris removal. Utilizing developed plans, obtain necessary project permits from WDNR, Army Corps of Engineers, and City of Greenfield as needed; 2) following developed engineering plans, install vegetated soil-lifts and fieldstone/river rock within the 500-foot project portion of Wildcat Creek; 3) following developed plans, conduct in-stream debris removal within the 500-foot project portion of Wildcat Creek; 4) upon project completion, submit to the Department in electronic format as-built construction drawings, and before-and- after photo documentation of the project area; 5) provide to the Department electronic copies of outreach efforts, including copies of any newsletters, web-page screenshots, photos of educational signage, etc. utilized in project outreach.

Objective:

Comments: Grantee is CITY OF GREENFIELD

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
CITY OF GREENFIELD,	GRANT_RECIP	ACTIVE	04/15/2018	12/31/2019	CITY OF GREENFIELD	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Grant Awarded	The City of Greenfield is undertaking activities to stabilize streambanks within a 500-foot section of Wildcat Creek, a tributary to the Root River, in Milwaukee County. Project activities: 1) Create engineering plans and obtain permits for stream bank stabilization of 500 feet of Wildcat Creek located within Kulwicki Park; 2) during the Fall of 2018 or as soon thereafter as practicable, install vegetated soil-lifts and fieldstone/river rock in the project portion of Wildcat Creek as designed; 3) conduct in-stream debris removal; 4) conduct project outreach.	04/15/2018	12/31/2019	COMPLETE
Details:	Parameter	Value/Amount	Units	Comments
	Degraded Biological Community Temperature			
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			
Best Management Practices, Implement	The City of Greenfield is undertaking activities to stabilize streambanks within a 500-foot section of Wildcat Creek, a tributary to the Root River, in Milwaukee County. Project activities: 1) Create engineering plans and obtain permits for stream bank stabilization of 500 feet of Wildcat Creek located within Kulwicki Park; 2) during the Fall of 2018 or as soon thereafter as practicable, install vegetated soil-lifts and fieldstone/river rock in the project portion of Wildcat Creek as designed; 3) conduct in-stream debris removal; 4) conduct project outreach.	04/15/2018	12/31/2019	IN_PROGRESS
Details:	Parameter	Value/Amount	Units	Comments
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
7635	1	Wildcat Creek	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

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Method Code**Description****Fieldwork Events**

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
Wildcat Creek Bank Stabilization Photos [PDF of images]	4 pictures of the Wildcat Creek bank stabilization project as part of RM07518. After images.			
Wildcat Creek Nonpoint Source Watershed Implementation Plan	<p>The Wildcat Creek Watershed is a sub watershed of the Upper Rock River Basin and is located in southeast Wisconsin in Dodge County. Wildcat Creek starts in the Town of Herman, flows through the Towns of Hubbard, and Hustisford before flowing into the Rock River in the village of Hustisford. The Wildcat Creek Watershed drains approximately 26,125 acres. Historically, the land in this area was covered with forests, wetlands, prairies, and oak savannas. The Upper Rock River Basin was home to many Native American cultures before Europeans began to settle in the area in the early 1800's. Farming in the area has led to clearing of forests and natural areas and draining of wetlands in the Upper Rock River Basin. Farming, industry, and urban development in the Wildcat Creek Watershed has led to poor water quality in the Upper Rock River. Agriculture is the dominant land use in the Wildcat Creek watershed and is the main contributor to poor water quality. An inventory of the stream banks indicates that streambank erosion is not a major contributor of sediment or nutrients. The extent of tile drainage in this watershed area may also play a factor into the amount of nutrient and sediment loading. The Wildcat Creek Watershed Plan Provides a Framework to Accomplish the Following Goals: Goal #1: Improve surface water quality to meet TMDL limits for total phosphorus and sediment. Goal #2: Increase citizens awareness of water quality issues and active participation in stewardship of the watershed. Goal #3: Reduce runoff volume and flood levels during peak storm events. Challenges and Sources in the Watershed: The dominant land use in the watershed is agriculture and is responsible for 95% of the sediment and 92% of the phosphorus loading in the watershed. Approximately 3,500 acres are an active drainage district. Agricultural runoff and erosion as well</p>	Dodge County Land Conservation Dept	03/01/2019	

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Title	Description	Author	Published	Comments
	<p>as subsurface drainage are likely the main contributors to nutrient and sediment loading in the watershed. Watershed Implementation Plan: In order to meet the goals for the watershed, a 10-year implementation plan was developed. The action plan recommends best management practices, information and education activities, and needed restoration to achieve the goals of the watershed project. The plan includes estimated costs, potential funding sources, agencies responsible for implementation, and a measure of success.</p>			

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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