

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: Carpenter Creek TMDL ATTAINS

Name: Carpenter Creek (Waushara Co) TMDL

Type: TMDL/303d Projects

Subtype: Implement TMDL

Status: ACTIVE

Start Date: 12/13/2004

End Date: 3/10/2099

Purpose: Carpenter Creek is 6.0 miles in length. This stream flows in a southerly direction before emptying into the Pine River. The creek and its watershed are entirely in Waushara County. Carpenter Creek is located within the Carpenter Creek subwatershed, one of 12 subwatersheds that make up the Pine River Willow Creek Watershed of the Wolf River Basin. The 12.7 square mile drainage area to Carpenter Creek is 42% of the area of Carpenter Creek subwatershed as described in the Pine River/ Willow Creek Priority Watershed Project.

Objective: This Total Maximum Daily Load (TMDL) for sediment addresses sedimentation and degraded habitat impairment conditions in Carpenter Creek, a tributary to the Pine River.

Excessive runoff and erosion of solids and hydrologic loadings contribute to the increase in sedimentation in Carpenter Creek. Sedimentation reduces the suitable habitat for fish and macroinvertebrate communities. Filling-in of pools reduces the amount of available cover for juvenile and adult fish. Sedimentation of riffle areas reduces the reproductive success of fish by reducing the exposed gravel substrate necessary for appropriate spawning conditions. Sedimentation also affects macroinvertebrate biomass (fish food source) which tends to be lower in areas with predominantly sand substrate than a stream substrate with a mix of gravel, rubble and sand.

The TMDL identifies load allocations and management actions that will restore the biological integrity of this stream. Carpenter Creek is identified as high priority water in the 2002 and 2004 303(d) list.

Carpenter Creek is part of a larger watershed project, the Pine River/ Willow Creek Priority Watershed Project.

As part of a financing plan for priority watershed projects, long-term state cost-sharing and local staff funding was committed to the Pine River/ Willow Creek Priority Watershed Plan.

Comments:

Outcome: Reduce excess sediment and total suspended solids and restore degraded habitat.

WDNR has determined that the reductions in sediment will achieve the water quality target of establishing the appropriate cold water community in Carpenter Creek.

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
TMDL Implementation	Carpenter Creek is 6.0 miles in length. This stream flows in a southerly direction before emptying into the Pine River. The creek and its watershed are entirely in Waushara County. Carpenter Creek is located within the Carpenter Creek subwatershed, one of 12 subwatersheds that make up the Pine River Willow Creek Watershed of the Wolf River Basin. The 12.7 square mile drainage area to Carpenter Creek is 42% of the area of Carpenter Creek subwatershed as described in the Pine River/ Willow Creek Priority Watershed Project.	12/13/2004	3/10/2099	IN_PROGRESS

Details: Parameter	Value/Amount	Units	Comments
Total Phosphorus			
Total Suspended Solids			

TMDL Development	TMDL Development for Carpenter Creek in Waushara County, WI.	12/14/2004	12/14/2004	COMPLETE
TMDL Implementation	Carpenter Creek is 6.0 miles in length. This stream flows in a southerly direction before emptying into the Pine River. The creek and its watershed are entirely in Waushara County. Carpenter Creek is located within the Carpenter Creek subwatershed, one of 12 subwatersheds that make up the Pine River Willow Creek Watershed of the Wolf River Basin. TMDL for sedimentation and degraded habitat in the Carpenter Creek watershed.	12/14/2004		IN_PROGRESS
TMDL (USEPA) Approved	Carpenter Creek is 6.0 miles in length. This stream flows in a southerly direction before emptying into the Pine River. The creek and its watershed are entirely in Waushara County. Carpenter Creek is located within the Carpenter Creek subwatershed, one of 12 subwatersheds that make up the Pine River Willow Creek Watershed of the Wolf River Basin.	12/14/2004	12/14/2004	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
182100	1	Hills Lake	Hills Lake
189600	1	Kusel Lake	Kusel Lake
190200	1	Napowan Lake (Funk)	Lake Napowan
193200	1	Mud Lake	Mud Lake
197300	1	Round Lake	Round Lake
198300	1	School Pond	School Pond
201500	1	Un Lake	Unnamed

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201800	1	Un Lake	Unnamed
202000	1	Un Lake	Unnamed
202100	1	Un Lake	Unnamed
247800	2	Pine River	Pine River
247800	3	Pine River	Pine River
248600	2	Little Silver Creek	Little Silver Creek
248700	1	Brownlow Mud Lake	Brownlow Lake
248800	1	Carpenter Creek	Carpenter Creek
248900	1	Unnamed Trib to Carpenter Cr	Unnamed
249100	1	Pine River Millpond	Pine River Millpond
249200	2	Popple Creek (James)	Popple Creek
249300	1	Kristine Lake	Kristine Lake 2
249400	1	Baitenger Lake	Baitenger Lake
249600	1	Saxeville Millpond	Saxeville Millpond
249800	1	Timan Lake	Timan Lake
250000	1	Wilson Lake	Wilson Lake
250300	1	Un Lake	Bonneville Lake

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

Title	Description	Author	Published	Comments
Carpenter Creek 248800_11188 Sediment TMDL		WDNR	11/12/2004	
USEPA Decision Document for the Approval of the Carpenter Creek TMDL 248800		USEPA	12/13/2004	
Waushara County Waters	Waushara County Waters	Online	3/14/2017	

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Budget

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

Funding

Organization	Source	Type	Amount	Start Date	End Date
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