

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** NKE40

**Name:** Beaver Creek PWS Plan - Nine Key Element Plan

**Type:** Water Quality Planning

**Subtype:** Priority Watershed Plan

**Status:** COMPLETE

**Start Date:** 7/1/1987

**End Date:** 12/31/2005

**Purpose:** <http://dnr.wi.gov/topic/nonpoint/documents/9kep/expired/BeaverCreek.pdf> The Beaver Creek Watershed is a 101,066 square mile drainage area located in the unglaciated region of west central Wisconsin. The north and south forks of Beaver Creek originate in western Jackson County, which contains 20 percent of the watershed area. The north and south forks of Beaver Creek flow into Trempealeau County where they combine at the Village of Ettrick to form the main stem of Beaver Creek. Beaver Creek and the remainder of its watershed are contained within Trempealeau County. The creek is impounded in the City of Galesville to form Lake Marinuka. Beaver Creek joins the Black River below Galesville.

The Beaver Creek Watershed was selected as a priority watershed project under the Wisconsin Nonpoint Source Water Pollution Abatement Program to protect and improve the many high quality trout streams and their associated forage fish communities. These waters are threatened by agricultural nonpoint source pollutants, notably sediment and animal wastes that are causing general habitat degradation. Other reasons for carrying out this project include reducing the impact of agricultural nonpoint pollutant sources on Lake Marinuka, which was recently rehabilitated through an Inland Lake Project by the Wisconsin Department of Natural Resources.

**Objective:** The Department of Natural Resources conducted a water resources appraisal to determine the conditions of streams in the watershed, the pollutants affecting these streams, and the potential for improving the streams through a nonpoint source pollutant control program. Appraisal techniques included fish surveys, macroinvertebrate sampling, a stream habitat evaluation, and aerial reconnaissance. The Jackson and Trempealeau County Land Conservation Departments conducted an agricultural pollutant source survey, with financial assistance from the Department of Natural Resources, to identify the sources of sediment and animal wastes. This survey included an inventory of upland sheet and rill erosion covering 100 percent of the watershed, a streambank erosion inventory covering 72 percent of the streambanks in the watershed, and an inventory of all livestock operations.

The livestock operation inventory was used to determine the pollution hazard posed by the barnyards as well as to identify the need for controlling winter spread manure. This information was used to develop a pollution control strategy for the water resources of the Beaver Creek Watershed. This pollution control strategy, and the information and analysis upon which it is based, are the principal components of this watershed plan for the Beaver Creek Priority Watershed Project.

**Comments:**

**Outcome:** Meeting the pollutant control needs in the Beaver Creek Watershed will be a joint effort of many individuals and agencies. Landowners, volunteer groups, Land Conservation Departments and the DNR will be participating in the project. There will be pre-project monitoring, BMP implementation, and post-project monitoring to evaluate the project.

**Study Design:****QA Measures:****People**

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	INACTIVE	7/1/1987	12/31/2005	Wisconsin DNR	

**Project Statuses**

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Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Nine Key Element Plan	Beaver Creek PWS Plan - Nine Key Element Plan - The Beaver Creek Watershed was selected as a priority watershed project under the Wisconsin Nonpoint Source Water Pollution Abatement Program to protect and improve the many high quality trout streams and their associated forage fish communities. These waters are threatened by agricultural nonpoint source pollutants, notably sediment and animal wastes that are causing general habitat degradation. Other reasons for carrying out this project include reducing the impact of agricultural nonpoint pollutant sources on Lake Marinuka, which was recently rehabilitated through an Inland Lake Project by the Wisconsin Department of Natural Resources.	7/1/1987	12/31/2005	COMPLETE

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

Nine Key Element Plan	The Beaver Creek Watershed was selected as a priority watershed project under the Wisconsin Nonpoint Source Water Pollution Abatement Program to protect and improve the many high quality trout streams and their associated forage fish communities. These waters are threatened by agricultural nonpoint source pollutants, notably sediment and animal wastes that are causing general habitat degradation. Other reasons for carrying out this project include reducing the impact of agricultural nonpoint pollutant sources on Lake Marinuka, which was recently rehabilitated through an Inland Lake Project by the Wisconsin Department of Natural Resources.	7/1/1987	12/31/2005	PROPOSED
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Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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
A NONPOINT SOURCE CONTROL PLAN FOR THE BEAVER CREEK PRIORITY WATERSHED PROJECT	July, 1987 A NONPOINT SOURCE CONTROL PLAN FOR THE BEAVER CREEK PRIORITY WATERSHED PROJECT <a href="https://dnr.wi.gov/topic/nonpoint/documents/9kep/expired/BeaverCreek.pdf">https://dnr.wi.gov/topic/nonpoint/documents/9kep/expired/BeaverCreek.pdf</a>	Wisconsin DNR	7/1/1987	
Beaver Creek PWS Plan - Nine Key Element Plan	Beaver Creek PWS Plan - Nine Key Element Plan	Pfender, John	7/1/1987	
Beaver Creek Photo	Beaver Creek PWS Plan - Nine Key Element Plan		3/2/2017	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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