

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** TK03\_WTPLAN  
**Name:** Kewaunee River (TK03) Watershed Planning  
**Type:** Water Quality Planning  
**Subtype:** Targeted Watershed Plans  
**Status:** COMPLETE  
**Start Date:** 07/01/2010  
**End Date:** 06/30/2011  
**Purpose:** The Kewaunee River Watershed is located in Kewaunee County and the eastern edge of Brown County and is 91,009 acres in size. It contains 295 miles of streams and rivers and 7,313 acres of wetlands. The watershed is dominated by agriculture (75%) and is ranked high for nonpoint source issues affecting streams and groundwater.

Upper reaches of the watershed have forage fisheries because of low flows and warm water temperatures. Most of the remainder of the watershed supports warmwater sport fisheries, although several tributaries and one section of the Kewaunee River are designated as trout fisheries. All perennial streams within the watershed experience seasonal anadromous migrations of trout and salmon from Lake Michigan. The Wisconsin Department of Natural Resources (WDNR) built and operates an egg collection facility for Lake Michigan trout and salmon on the lower portion of the Kewaunee River.

Water quality has been and still remains a major concern within the watershed. Based on watershed models, it is estimated that the Kewaunee River delivers 1,900 tons of sediment per year to Lake Michigan (WDNR 1995). Along with sediment, phosphorus, nitrogen and manure can be found in runoff reaching the Kewaunee River. It was estimated that between 1969 and 1978 the average phosphorus load of the river was 42,000 pounds per year with values ranging from 11,000 lbs/yr to 106,000 lbs/yr (WDNR 1984). Because of high levels of point and nonpoint source pollution, the Kewaunee River was designated as a Priority Watershed in 1982. When the Priority Watershed program ended on the Kewaunee River in 1992, 89 of 300 landowners had agreed to participate in the program. Although low in percentage, participation was average for Priority Watersheds begun in this time period. The effectiveness of phosphorus/sediment reduction practices in this project was never measured.

**Objective:**  
**Comments:**  
**Outcome:**  
**Study Design:**

Watershed specified for planning and assessment purposes. Assessment of water quality condition in this respective watershed will use protocols described in WisCALM of the year of assessment. Minimum assessment work includes biological data (macroinvertebrates, fish indices), chemistry and habitat data. Additional work includes identification of priorities and goals, creating recommendations for actions, and updating narratives for watersheds and waterbodies. Assessments are to be double checked by at least one additional biologist.

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Gansberg, Mary K	COORDINATOR	COMPLETE	07/01/2010	06/30/2011	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
12/10/2016	Mary Gansberg	Complete	Watershed report completed and published on web.

### Actions

Action	Detailed Description	Start	End Date	Status
Water Quality Planning		07/01/2010	06/30/2011	COMPLETE

### Monitoring Stations

## Wisconsin Department of Natural Resources SWIMS Project Summary

Station ID	Name	Comments		
<b>Assessment Units</b>				
WBIC	Segment	Local Name	Official Name	
<b>Lab Account Codes</b>				
Account Code	Description	Start Date	End Date	
<b>Forms</b>				
Form Code	Form Name			
<b>Methods</b>				
Method Code	Description			
<b>Fieldwork Events</b>				
Start Date	Status	Field ID	Station ID	Station Name
<b>Documents</b>				
Title	Description	Author	Published	Comments
Casco Creek Crevice Rd		GANSBERG, MARY	09/01/2011	
Casco Creek at Rockledge	Photo of Casco Creek.	Mary Gansberg	07/06/2000	
Casco Creek us Crevice Rd		GANSBERG, MARY	09/01/2011	
Kewaunee R Watershed (TK03) Watershed Plan 2011	Assessments information and recommendations for the Kewaunee R Watershed	Gansberg, Mary	12/20/2011	
Kewaunee River (TK03) Watershed Basemap 2011	Kewaunee River (TK03) Watershed Basemap 2011	Binder, Mark	04/01/2015	
Kewaunee River (TK03) Watershed Dams and Outfalls 2011	Kewaunee River (TK03) Watershed Dams and Outfalls 2011	Binder, Mark	04/01/2015	
Kewaunee River (TK03) Watershed Land Use 2011	Kewaunee River (TK03) Watershed Land Use 2011	Binder, Mark	04/01/2015	
Kewaunee River (TK03) Watershed OERW 2011	Kewaunee River (TK03) Watershed OERW 2011		07/22/2011	
Kewaunee River Watershed (TK03) Ecological Landscapes Map			07/22/2011	
Kewaunee River Watershed (TK03) Goals and Priorities Image	TK03 Goals and Priorities image		12/20/2011	
Kewaunee River Watershed (TK03) Impaired Waters Map			07/22/2011	
Kewaunee River Watershed (TK03) Learn More Image	TK03 Learn More Image		12/20/2011	
Kewaunee River Watershed (TK03) Map			07/25/2011	
Kewaunee River Watershed (TK03) WAG	Watershed at a Glance	WQ PROGRAM	07/29/2011	
Kewaunee River and Harbor		Gansberg, Mary	09/01/2011	
Kewaunee River at Ahnapee Trail	Photo of Kewaunee River	Mary Gansberg	07/23/2008	
Kewaunee River, Kewaunee Baseline Monitoring Report	Kewaunee River, Kewaunee Baseline Monitoring Report (MWBC 90700)	NER Region, Steve Surendonk	01/01/2001	
Watershed-At-A-Glance TK03		Emerson, Jordan	06/21/2011	

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Budget

Combined Budgets:

Combined SLOH:

Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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