

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: Jug Creek TMDL

Name: Jug Creek TMDL

Type: TMDL/303d Projects

Subtype: Implement TMDL

Status: ACTIVE

Start Date: 4/13/2016

End Date: 12/31/2099

Purpose: The Wisconsin Department of Natural Resources (WDNR) developed a sediment TMDL for a segment in the Middle Kickapoo River watershed, Jug Creek, a 3.6 mile segment in Vernon County. The TMDL addresses the sediment impacts and impairments which were identified on the Wisconsin 1998 303(d) list.

The segment was ranked as medium priority on the Wisconsin 1998 303(d) list. Jug Creek drains an area about 5.2 square miles. About 27% of the land use in the Jug Creek subwatershed is agriculture, about 62% of the drainage area is woodland, which contributes little sediment to the creeks, and the remaining 11% is classified as other? by WDNR (grassland, roads, quarries, and wetlands).

There are no point sources in the Jug Creek subwatershed that discharge sediments. Non-point sources are identified in the Nonpoint Source Control Plan for the Middle Kickapoo River Priority Watershed Project (Watershed Plan), Chapter 2. The Watershed Plan is an attachment to the TMDL. Nonpoint sources identified in the Watershed Plan as contributing to the impairments include agricultural field run-off and streambank erosion. The TMDL identifies the existing annual sediment load of 1326 tons to Jug Creek from the following sources: Uplands 796 tons Gullies 460 tons Stream Banks 97 tons EPA finds that the TMDL document submitted by WDNR satisfies all requirements of this first element.

Objective: This 319 Management Plan describes a variety of financial, technical and educational programs in the state which support nonpoint source programs. Wisconsin's Nonpoint Source Water Pollution Abatement Program set forth in Section 281.65 of the Wisconsin Statutes and Chapter NR 120 of the WAC is described in the 319 Management Plan. WDNR has a variety of voluntary and back-up enforcement authorities available under the 319 plan. Administrative rules passed by the Natural Resources Board indicate that watersheds with impaired waters will have the highest priority for enforcement.

Comments:

Outcome: WDNR has demonstrated adequate reasonable assurance that the necessary nonpoint source reductions will occur by having various programs in place that will address the sediment movement into Jug Creek. First, Jug Creek is part of a larger priority watershed project, A Nonpoint Source Control Plan for the Middle Kickapoo River Priority Watershed Project. A copy of the approved Watershed Plan is included as an attachment to the TMDL. The project has already been underway for several years. The concepts of long-term state cost sharing and local staff funding was discussed in the project plan. The approval of the Watershed Plan by WDNR allows for the availability of grants through Wisconsin's nonpoint source program. Chapter Five of the approved Watershed Plan includes an implementation plan for rural and urban nonpoint sources, anticipated project costs, cost-share budgets, and staffing needs. WDNR has an approved 319 Management Plan (approved by U.S. EPA in 2000).

Study Design:

QA Measures: Jug Creek TMDL - 1195500

People

Name	Role	Status	Start Date	End Date	Organization	Comments
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Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
TMDL Development	The Wisconsin Department of Natural Resources (WDNR) developed a sediment TMDL for a segment in the Middle Kickapoo River watershed, Jug Creek, a 3.6 mile segment in Vernon County. EPA finds that the TMDL for Jug Creek satisfies all of the elements of an approvable TMDL. This document addresses 1 TMDL for 1 waterbody with sediment impairment from the 1998 Wisconsin 303d list.	12/26/2002	12/26/2002	COMPLETE
TMDL Implementation	Jug Creek TMDL Implementation addressing 1 TMDL for 1 waterbody with a sediment impairment from the 1998 Wisconsin 303d list. The Wisconsin Department of Natural Resources (WDNR) developed a sediment TMDL for a segment in the Middle Kickapoo River watershed, Jug Creek, a 3.6 mile segment in Vernon County. Implementation Plan needed.	3/13/2003		IN_PROGRESS
TMDL (USEPA) Approved	Jug Creek TMDL Approval. EPA finds that the TMDL for Jug Creek satisfies all of the elements of an approvable TMDL. This TMDL addresses 1 TMDL for 1 waterbody with sediment impacts and impairments which were identified on the Wisconsin 1998 303(d) list.	3/13/2003	3/13/2003	COMPLETE
TMDL Development	The Wisconsin Department of Natural Resources (WDNR) developed a sediment TMDL for a segment in the Middle Kickapoo River watershed, Jug Creek, a 3.6 mile segment in Vernon County. The TMDL addresses the sediment impacts and impairments which were identified on the Wisconsin 1998 303(d) list. The segment was ranked as medium priority on the Wisconsin 1998 303(d) list. Jug Creek drains an area about 5.2 square miles. About 27% of the land use in the Jug Creek subwatershed is agriculture, about 62% of the drainage area is woodland, which contributes little sediment to the creeks, and the remaining 11% is classified as other? by WDNR (grassland, roads, quarries, and wetlands). There are no point sources in the Jug Creek subwatershed that discharge sediments. Non-point sources are identified in the Nonpoint Source Control Plan for the Middle Kickapoo River Priority Watershed Project (Watershed Plan), Chapter 2. The Watershed Plan is an attachment to the TMDL. Nonpoint sources identified in the Watershed Plan as contributing to the impairments include agricultural field run-off and streambank erosion. The TMDL identifies the existing annual sediment load of 1326 tons to Jug Creek from the following sources: Uplands 796 tons Gullies 460 tons Stream Banks 97 tons EPA finds that the TMDL document submitted by WDNR satisfies all requirements of this first element.	3/25/2007	12/31/2099	IN_PROGRESS

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Details: Parameter	Value/Amount	Units	Comments	
Total Phosphorus				
Total Suspended Solids				
TMDL Actions in Wisconsin	The Wisconsin Department of Natural Resources (WDNR) developed a sediment TMDL for a segment in the Middle Kickapoo River watershed, Jug Creek, a 3.6 mile segment in Vernon County.	4/13/2016	12/31/2099	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
1029500	1	Un Lake	Unnamed
1029600	1	Un Lake	Unnamed
1029700	1	Un Lake	Unnamed
1029900	1	Un Lake	Unnamed
1030000	1	Un Lake	Unnamed
1030100	1	Un Lake	Unnamed
1030200	1	Un Lake	Unnamed
1182400	2	Kickapoo River	Kickapoo River
1182400	12	Kickapoo River	Kickapoo River
1193500	1	Bear Creek (Lower)	Bear Creek
1194200	1	Otter Creek	Otter Creek
1194800	1	Plum Run	Plum Run
1194900	1	Weister Creek	Weister Creek
1195400	1	Indian Creek	Indian Creek
1195500	1	Jug Creek	Jug Creek
1195600	1	South Jug Creek	South Jug Creek
1195700	1	Warner Creek	Warner Creek
1196900	1	Billings Creek	Billings Creek
1198200	1	Creek 22-8 (Hay Valley Creek)	Hay Valley Creek
1198300	1	Brush Creek	Brush Creek
5028591	1	Unnamed Stream	Unnamed
5565099	1	Local Water	Unnamed
5566093	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
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Wisconsin Department of Natural Resources SWIMS Project Summary

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
JUG CREEK 303D LISTING DOCUMENTATION		Cindy Koperski	6/9/2008	
Jug Creek 1195500 Impaired Waters Listing Documentation 2002	Data Documentation Jug Creek Impaired Water Listing Documentation, Vernon County	Koperski, Cindy	3/25/2002	
Jug Creek 1195500 Sediment TMDL	Final TMDL Report	Wdnr, Tmdl Swat Team	3/1/2003	
USEPA Decision Document for the Approval of the Jug Creek TMDL 1195500_4214		USEPA		

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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