

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** Bark\_River ATTAINS  
**Name:** Bark River TMDL  
**Type:** TMDL/303d Projects  
**Subtype:** Refine Load Estimates  
**Status:** FINAL\_RPT  
**Start Date:** 05/01/2006  
**End Date:** 05/01/2007  
**Purpose:** The project portion of the Bark River includes that portion of the river listed on the 303(d) list for low dissolved oxygen due to excessive Phosphorus. The monitoring described below, developed in consultation with Department Staff, will assist in developing a TMDL for this portion of the Bark River.

A surface water grab sample will be collected once monthly by WT Staff (July, August, September) at three locations (Hwy 18 and Utica Road, Hwy 67, and Genesee Lake Road) and analyzed for the following:

- Total P
- Total Dissolved Phosphorus (as P)
- Nitrogen Series
- Suspended Solids
- Chlorophyll a
- 120-Day Ultimate BOD

**Objective:** SER has been directed to develop 5 TMDLs annually. Conducting the monitoring described will allow for TMDL development for this 303(d) listed segment of the Bark River.

**Comments:** In addition, a Hydrolab will be deployed at and connected to the USGS gaging station at Hwy 18 and Utica Road, and will take continuous DO, temperature, pH, and Chl. A. readings. At the Hwy 67 and Genesee Lake Road sites, two hydrolabs will be deployed on a monthly basis for 4-7 days, to record diel DO, temperature, and pH. In addition, 10 locations (TBD) between the Hwy 83 and Utica Road site and the upstream Genesee Lake Road site will be sampled for instantaneous DO concurrently with diel monitoring deployments. Stream flow will be recorded at each site during surface water grab sampling events.

Finally, macroinvertebrate samples will be collected from each sample site in October.

**Outcome:** Monthly collection, deployment, and downloading of continuous DO recording data sondes in July, August, and September. Monthly sampling in July, August, and September Collection and mailings of samples Development of TMDL by June 30, 2007.

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helker, Craig D	COORDINATOR	ACTIVE	07/01/2006	06/30/2007	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
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## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Monitor or Propose 303(d) Listing	Monthly collection, deployment, and downloading of continuous DO recording data sondes in July, August, and September. Monthly sampling in July, August, and September Collection and mailings of samples Development of TMDL by June 30, 2007.	05/01/2006	05/01/2007	COMPLETE
TMDL Monitoring	The project portion of the Bark River includes that portion of the river listed on the 303(d) list for low dissolved oxygen due to excessive Phosphorus. The monitoring described below, developed in consultation with Department Staff, will assist in developing a TMDL for this portion of the Bark River. A surface water grab sample will be collected once monthly by WT Staff (July, August, September) at three locations (Hwy 18 and Utica Road, Hwy 67, and Genesee Lake Road) and analyzed for the following: Total P Total Dissolved Phosphorus (as P) Nitrogen Series Suspended Solids Chlorophyll a 120-Day Ultimate BOD	05/01/2006	05/01/2007	COMPLETE

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

### Monitoring Stations

Station ID	Name	Comments
10012307	Bark River at Hwy 67	bark river
683025	Bark River at East Sth 18 Bridge	18 & Utica
683428	Bark River at Genessee Lake Road	
10008154	Brighton Creek - 45th St.	
303066	Fox River (II) - Nr New Munster Cthjb	
10030356	Nippersink at Darling Rd	

### Assessment Units

WBIC	Segment	Local Name	Official Name
737400	1	Brighton Creek	Brighton Creek
742500	1	Fox River (Illinois)	Fox River
742700	1	Nippersink Creek, North Branch	North Branch Nippersink Creek
813500	1	Bark River	Bark River
813500	2	Bark River	Bark River
813500	5	Bark River	Bark River

### Lab Account Codes

Account Code	Description	Start Date	End Date
WT073	TMDL MONITORING	10/01/2005	09/30/2006
WT086	TMDL MONITORING	10/01/2006	09/30/2007

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload
FISH ASSEMBLAGE 20	Fish Assemblage 2018
INORGANIC	Inorganic Lab - Field Data

### Methods

Method Code	Description
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
HABITAT SURVEY BASELINE PROTOCOLS	Habitat Baseline Survey Quantitative 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
DNR-FPM-SONDES2006	Multi-Parameter Continuous Meter Guidelines 2006
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/18/2006 10:50	COMPLETE	11628910	683428	Bark River at Genessee Lake Road
08/17/2006 10:20	COMPLETE	11685564	683025	Bark River at East Sth 18 Bridge
08/17/2006 10:50	COMPLETE	11685383	10012307	Bark River at Hwy 67
08/17/2006 11:25	COMPLETE	11685372	683428	Bark River at Genessee Lake Road
09/21/2006	COMPLETE	11904966	683428	Bark River at Genessee Lake Road
10/24/2006 10:48	COMPLETE	FX04119862	303066	Fox River (II) - Nr New Munster Cthjb
11/02/2006	COMPLETE	SWMS18444017	683428	Bark River at Genessee Lake Road
10/30/2007 10:18	COMPLETE	BR-1	10008154	Brighton Creek - 45th St.
07/22/2009	COMPLETE	10030356	10030356	Nippersink at Darling Rd

### Documents

Title	Description	Author	Published	Comments
BARK RIVER FY07 MONITORING PROPOSAL	MONITORING PROPOSAL	Helker, Craig	06/01/2006	
Bark River at East Sth 18 Bridge Phosphorus	Bark River at East Sth 18 Bridge Phosphorus	Helmuth, Lisa	02/05/2018	
Bark River at Genessee Lake Road P	Bark River at Genessee Lake Road P	Helmuth, Lisa	02/05/2018	
Bark River at Hwy 67 Phosphorus	Bark River at Hwy 67 Phosphorus	Helmuth, Lisa	02/05/2018	
Brighton Creek - 45th St. Phosphorus	Brighton Creek - 45th St. Phosphorus	Helmuth, Lisa		
Fox River (II) - Nr New Munster Cthjb Phosphorus	Fox River (II) - Nr New Munster Cthjb Phosphorus	Helmuth, Lisa		
Fox River (II) - Nr New Munster Cthjb Temperature	Fox River (II) - Nr New Munster Cthjb Temperature	Helmuth, Lisa	02/05/2018	
Nippersink at Darling Rd DO	Nippersink at Darling Rd DO	Helmuth, Lisa	02/05/2018	
Nippersink at Darling Rd Total Phosphorus	Nippersink at Darling Rd Total Phosphorus	Helmuth, Lisa		

### Budget

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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