

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** Popple\_Lake\_303d  
**Name:** Popple Lake 303d Listing  
**Type:** TMDL/303d Projects  
**Subtype:** Monitor Listed Waters  
**Status:** COMPLETE  
**Start Date:** 07/01/2006  
**End Date:** 06/30/2007  
**Purpose:** The goal of this project is to collect additional water chemistry on Popple Lake for the development of a TMDL.

Sampling will consist of bi-weekly sampling from July through mid-September (5 sample events in total). Temperature, Dissolved Oxygen and Conductance profiles will be taken during each sampling event in addition to epilimnetic and hypolimnetic water chemistry samples. Epilimnetic samples will be collected as a 2 m integrated sample. The bi-weekly summer epilimnetic samples will be analyzed for total phosphorus and chlorophyll-a. The hypolimnetic samples will be analyzed total phosphorus. All sampling will take place during the calendar year 2006 field season. Sampling prior to July 1 2006 has already been approved under an earlier project project.

**Objective:** In addition to the water chemistry sampling a single paleocore will be analyzed by bureau of Staff to determine changes in trophic status at over time. Popple Lake is on Wisconsin's 303(d) list for impairments due to phosphorus. The in water chemistry data and current land use data will be used along with the Wisconsin Lake Modeling Suite (WiLMS) to characterize the existing load and trophic conditions of the lake. Much of the Popple Lake watershed is either wetland or forested with smaller amounts of agriculture and riparian development. Analysis of other lakes in Chippewa County has indicated that some may be naturally eutrophic. Analysis of the paleocore will be used in the TMDL goal setting process to separate the anthropogenic inputs to those from natural sources.

**Comments:**  
**Outcome:** Data will be used to develop a TMDL for Popple Lake in FY08.  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
OLDENBURG, PATRICK S	PROJECT_LEAD	COMPLETE	07/01/2006		Wisconsin DNR	
Sorge, Patrick W	TEAM_MEMBER	INACTIVE	09/10/2006		Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Monitor or Propose 303(d) Listing	The goal of this project is to collect additional water chemistry on Popple Lake for the development of a TMDL	07/01/2006	06/30/2007	COMPLETE

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Action	Detailed Description	Start	End Date	Status
TMDL Development	The goal of this project is to collect additional water chemistry on Popple Lake for the development of a TMDL. Sampling will consist of bi-weekly sampling from July through mid-September (5 sample events in total). Temperature, Dissolved Oxygen and Conductance profiles will be taken during each sampling event in addition to epilimnetic and hypolimnetic water chemistry samples. Epilimnetic samples will be collected as a 2 m integrated sample. The bi-weekly summer epilimnetic samples will be analyzed for total phosphorus and chlorophyll-a. The hypolimnetic samples will be analyzed total phosphorus. All sampling will take place during the calendar year 2006 field season.	07/01/2006	06/30/2007	COMPLETE

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

### Monitoring Stations

Station ID	Name	Comments
10001068	Popple Lake	
093110	Popple Lake - Mid Of S Bay P11	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2173900	1	Popple Lake	Popple Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
WT082	SPECIAL PROJECTS	07/01/2006	09/30/2007

### Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload
INORGANIC	Inorganic Lab - Field Data

### Methods

Method Code	Description
WATER GRAB: INTEGRATED	Water Grab Sampling: Integrated Sampler 2000

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/10/2006 10:30	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
06/29/2006 13:00	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
06/29/2006 13:00	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
07/13/2006 10:45	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11

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Start Date	Status	Field ID	Station ID	Station Name
07/13/2006 10:45	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
08/03/2006 10:15	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
08/03/2006 10:15	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
08/23/2006 10:30	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11
09/05/2006 10:00	COMPLETE	PL1	093110	Popple Lake - Mid Of S Bay P11

### Documents

Title	Description	Author	Published	Comments
POPPLA LAKE FY07 MONITORING PLAN	POPPLA LAKE FY07 MONITORING PLAN	Oldenberg, Patrick	07/01/2006	
Popple Lake 2173900 Impaired Waters Listing Documentation 2002	Data Documentation Popple Lake Impaired Waters listing Documentation, Chippewa County	Oldenburg, Pat	03/25/2002	related

### Budget

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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