

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1300-09  
**Name:** TURTLE FLAMBEAU FLOWAGE TRADE LAKE PROPERTY: Turtle Flambeau Flowage Water Quality Monitoring  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 04/01/2009  
**End Date:** 06/30/2010  
**Purpose:** The Turtle Flambeau Flowage/Trude Lake Property Owners Association is sponsoring a grant to evaluate the present and historical water-quality or the flowage; to develop a spatial and temporal description of the water-quality throughout the Flowage; and determine if the Flowage water-quality has changed since monitoring began. Information will be used to better understand the flowage water quality and provide background information to aid in the development of the assessment/appraisal report.

Project goals include: 1) Determine the current water quality and trophic status of the Flowage and provide data describing its condition in comparison with historical and existing self-help data; 2) Systematically evaluate the water-quality data being collected as part the WDNR Citizen Monitoring Program; 3) Assemble and summarize existing data to help provide a description of how the water quality in the Flowage has fluctuated; 4) Provide information on initial results and further study recommendations to Association members, TFFTL user groups, and the general public; 5) Develop an assessment/appraisal report outlining additional data collection needs (if justified) and steps for creation of a comprehensive management plan (through a diagnostic feasibility study).

Project deliverables include: 1) an assessment/appraisal report documenting water quality results and priority issues identified by association members (from a separate study); 2) A compilation of aquatic plant species found in the TFFTL and a habitat characterization; 3) An analysis and summary of existing land use; 4) A group of articles highlighting water-quality work will be compiled and made available to the public; 5) evaluation summary of existing vs. historical water quality.

Specific conditions for this Project: The WDNR will be provided electronic and hard copies of all data and or reports/plans generated as a result of this project.

**Objective:**  
**Comments:** Grantee is TURTLE FLAMBEAU FLOWAGE TRADE LAKE PROPERTY  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Turtle-Flambeau Flowage & T	GRANT_RECIP	ACTIVE	04/01/2009	06/30/2010	Turtle-Flambeau Flowage & Trude Lake Property Owne	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Watershed Mapping or Assessment		04/01/2009	06/30/2010	PROPOSED
Monitor Water Quality or Sediment		04/01/2009	06/30/2010	PROPOSED
Data analysis, report production		04/01/2009	06/30/2010	PROPOSED
Monitor or Assess Watershed Condition		04/01/2009	06/30/2010	PROPOSED

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Action	Detailed Description	Start	End Date	Status
Project Deliverable	Develop an assessment/appraisal report outlining additional data collection needs (if justified) and steps for creation of a comprehensive management plan (through a diagnostic feasibility study). Project deliverables include: 1) an assessment/appraisal report documenting water quality results and priority issues identified by association members (from a separate study); 2) A compilation of aquatic plant species found in the TFFTL and a habitat characterization; 3) An analysis and summary of existing land use; 4) A group of articles highlighting water-quality work will be compiled and made available to the public; 5) evaluation summary of existing vs. historical water quality	04/01/2009	06/30/2010	PROPOSED
Information and Education Grant Awarded	The Turtle Flambeau Flowage/Trude Lake Property Owners Association is sponsoring a grant to evaluate the present and historical water-quality of the flowage; to develop a spatial and temporal description of the water-quality throughout the Flowage; and determine if the Flowage water-quality has changed since monitoring began. Information will be used to better understand the flowage water quality and provide background information to aid in the development of the assessment/appraisal report.  Project goals include: 1) Determine the current water quality and trophic status of the Flowage and provide data describing its condition in comparison with historical and existing self-help data; 2) Systematically evaluate the water-quality data being collected as part the WDNR Citizen Monitoring Program; 3) Assemble and summarize existing data to help provide a description of how the water quality in the Flowage has fluctuated; 4) Provide information on initial results and further study recommendations to Association members, TFFTL user groups, and the general public; 5) Develop an assessment/appraisal report outlining additional data collection needs (if justified) and steps for creation of a comprehensive management plan (through a diagnostic feasibility study).	04/01/2009	06/30/2010	PROPOSED
		04/01/2009	06/30/2010	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
10040855	Lake Bastine Deep Hole near Mercer WI	
673203	Silver Lake - Deep Hole	
263059	Turtle Flambeau Flowage - Baraboo - Deep Hole	
263048	Turtle Flambeau Flowage - Big Water	

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Station ID	Name	Comments
263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole	
263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
36200	1	Silver Lake	Silver Lake (Paradise Valley)
2225000	2	Flambeau River	Flambeau River
2294900	1	Turtle-Flambeau Flowage	Turtle Flambeau Flowage
2295200	1	Trude Lake	Trude Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	05/27/2009	06/30/2010

### Forms

Form Code	Form Name
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### Methods

Method Code	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
04/28/2009 15:31	COMPLETE	TRL-1	263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole
04/29/2009 13:04	COMPLETE	BDH-1	10040855	Lake Bastine Deep Hole near Mercer WI
04/29/2009 14:05	COMPLETE	TFS-1	263048	Turtle Flambeau Flowage - Big Water
04/29/2009 15:23	COMPLETE	TOW	263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole
04/29/2009 15:53	COMPLETE	TF-1	263059	Turtle Flambeau Flowage - Baraboo - Deep Hole
06/25/2009 11:02	COMPLETE	TRDT-2	263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole
06/25/2009 12:57	COMPLETE	BDT-2	10040855	Lake Bastine Deep Hole near Mercer WI
06/25/2009 13:10	COMPLETE	BDD-2	10040855	Lake Bastine Deep Hole near Mercer WI
06/25/2009 14:15	COMPLETE	SWT-2	263048	Turtle Flambeau Flowage - Big Water
06/25/2009 14:22	COMPLETE	SWB-2	673203	Silver Lake - Deep Hole
06/25/2009 15:01	COMPLETE	TFT-2	263059	Turtle Flambeau Flowage - Baraboo - Deep Hole
06/25/2009 16:01	COMPLETE	TLT-2	263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole
08/04/2009 11:28	COMPLETE	TRB-3	263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole
08/04/2009 13:23	COMPLETE	BT-3	10040855	Lake Bastine Deep Hole near Mercer WI
08/04/2009 13:35	COMPLETE	BD-3	10040855	Lake Bastine Deep Hole near Mercer WI
08/04/2009 14:31	COMPLETE	SWB-3	263048	Turtle Flambeau Flowage - Big Water
08/04/2009 15:30	COMPLETE	TFB-3	263059	Turtle Flambeau Flowage - Baraboo - Deep Hole
08/04/2009 16:25	COMPLETE	TLB-3	263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole
09/03/2009 10:16	COMPLETE	BA-4	10040855	Lake Bastine Deep Hole near Mercer WI
09/03/2009 10:32	COMPLETE	BAD-4	10040855	Lake Bastine Deep Hole near Mercer WI
09/03/2009 11:03	COMPLETE	DHD-4	263059	Turtle Flambeau Flowage - Baraboo - Deep Hole
09/03/2009 11:11	COMPLETE	SWB-4	263048	Turtle Flambeau Flowage - Big Water
09/03/2009 12:49	COMPLETE	TLB-4	263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole
09/03/2009 14:04	COMPLETE	TRB-4	263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole
03/15/2010	COMPLETE	BAB	10040855	Lake Bastine Deep Hole near Mercer WI

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Start Date	Status	Field ID	Station ID	Station Name
03/15/2010	COMPLETE	MB	263059	Turtle Flambeau Flowage - Baraboo - Deep Hole
03/15/2010	COMPLETE	TLB	263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole
03/15/2010 11:55	COMPLETE	TRUDE	263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole
03/15/2010 12:06	COMPLETE	BTRU	263052	Turtle Flambeau Flowage - Trude Lake - Deep Hole
03/15/2010 13:24	COMPLETE	BA	10040855	Lake Bastine Deep Hole near Mercer WI
03/15/2010 14:27	COMPLETE	SW	263048	Turtle Flambeau Flowage - Big Water
03/15/2010 14:36	COMPLETE	SWB	263048	Turtle Flambeau Flowage - Big Water
03/15/2010 15:08	COMPLETE	M	263059	Turtle Flambeau Flowage - Baraboo - Deep Hole
03/15/2010 16:01	COMPLETE	TL	263050	Turtle Flambeau Flowage - Townline Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
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### Budget

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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