

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** RP31018  
**Name:** OZAUKEE COUNTY: TMDL and BMP Water Quality Monitoring on Mole Creek and LMR  
**Type:** River Grant  
**Subtype:** River Planning Grant  
**Status:** COMPLETE  
**Start Date:** 02/15/2018  
**End Date:** 12/31/2019  
**Purpose:** Ozaukee County Planning and Parks Department is undertaking a project to collect water quality samples at locations along Mole Creek and the Little Menomonee River.

Ozaukee County will undertake the following activities, with deliverables relating to those actions:

Conduct Water Quality Monitoring on Mole Creek and Little Menomonee River

- Beginning in July of 2018 (note: existing River Planning Grant RP 30017 funds samples through June of 2018), collect 6 water samples at 17 locations across Mole Creek and Little Menomonee River. Sampling shall represent three low-flow events and three high-flow events. Each water sample shall be tested for Total Phosphorus, orthophosphate, TSS, Chlorides, and E. coli. Testing will be performed by SLOH.
- Deploy continuous water quality monitoring units on a rotating basis across Mole Creek and Little Menomonee River, recording water temperature, DO, depth, pH, and conductivity.
- Enter all collected data into DNR SWIM database.
- Provide to the Department a final project report summarizing data results.

**Objective:**

**Comments:** Grantee is OZAUKEE COUNTY

**Outcome:**

**Study Design:**

**QA Measures:**

### 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

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
Grant Awarded	<p>Ozaukee County Planning and Parks Department is undertaking a project to collect water quality samples at locations along Mole Creek and the Little Menomonee River. Ozaukee County will undertake the following activities, with deliverables relating to those actions:</p> <ul style="list-style-type: none"> <li>Conduct Water Quality Monitoring on Mole Creek and Little Menomonee River - Beginning in July of 2018 (note: existing River Planning Grant RP 30017 funds samples through June of 2018), collect 6 water samples at 17 locations across Mole Creek and Little Menomonee River. Sampling shall represent three low-flow events and three high-flow events. Each water sample shall be tested for Total Phosphorus, orthophosphate, TSS, Chlorides, and E. coli. Testing will be performed by SLOH.</li> <li>- Deploy continuous water quality monitoring units on a rotating basis across Mole Creek and Little Menomonee River, recording water temperature, DO, depth, pH, and conductivity.</li> <li>- Enter all collected data into DNR SWIM database.</li> <li>- Provide to the Department a final project report summarizing data results.</li> </ul>	02/15/2018	12/31/2019	COMPLETE

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Monitor Water Quality or Sediment	<p>Ozaukee County Planning and Parks Department is undertaking a project to collect water quality samples at locations along Mole Creek and the Little Menomonee River. Ozaukee County will undertake the following activities, with deliverables relating to those actions:</p> <ul style="list-style-type: none"> <li>Conduct Water Quality Monitoring on Mole Creek and Little Menomonee River - Beginning in July of 2018 (note: existing River Planning Grant RP 30017 funds samples through June of 2018), collect 6 water samples at 17 locations across Mole Creek and Little Menomonee River. Sampling shall represent three low-flow events and three high-flow events. Each water sample shall be tested for Total Phosphorus, orthophosphate, TSS, Chlorides, and E. coli. Testing will be performed by SLOH.</li> <li>- Deploy continuous water quality monitoring units on a rotating basis across Mole Creek and Little Menomonee River, recording water temperature, DO, depth, pH, and conductivity.</li> <li>- Enter all collected data into DNR SWIM database.</li> <li>- Provide to the Department a final project report summarizing data results.</li> </ul>	02/15/2018	12/31/2019	IN_PROGRESS

Details:	Parameter	Value/Amount	Units	Comments
	BMP Implementation			
	I & E Activities			
	PCBs			
	Permit Modification			
	Products Developed:			
	Stormwater Plan			
	Protective Areas: Feet of bank protected			
	Protective Areas: Feet of bank protected			
	Protective Areas: Feet of bank protected			
	Report Writeup			
	Stormwater Goals Addressed:			
	Protective areas			
	Stormwater Goals Addressed:			
	Reduce TSS			
	Streambank & Shoreline			
	Protection: Pollutant load reduction			
	Streambank & Shoreline			
	Protection: Units			
	Streambank & Shoreline			
	Protection: Pollutant load reduction			
	Streambank & Shoreline			
	Protection: Units			
	Streambanks: Feet of bank protected			
	Streambanks: Feet of bank protected			

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Streambanks: Feet of bank protected				
Total Nitrogen				
Total Phosphorus				
Total Suspended Solids				
Watershed Outreach, Planning				

### Monitoring Stations

Station ID	Name	Comments
10048228	Little Menomonee Creek	
10048230	Little Menomonee Creek	
10048232	Little Menomonee River	
10048225	Little Menomonee River	
10048229	Little Menomonee River	
10048223	Little Menomonee River	
10048231	Little Menomonee River	
10048224	Little Menomonee River	
10048233	Little Menomonee River at County Line Road	
10048222	Little Menomonee River at Freistadt Road	
10048226	Little Menomonee River at Mequon Road	

### Assessment Units

WBIC	Segment	Local Name	Official Name
17600	1	Little Menomonee River	Little Menomonee River
17600	2	Little Menomonee	Little Menomonee River
17900	1	Little Menomonee River	Little Menomonee Creek

### Lab Account Codes

Account Code	Description	Start Date	End Date
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### 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
08/01/2016 14:59	COMPLETE	11-48226-19	10048226	Little Menomonee River at Mequon Road
09/12/2018 11:46	COMPLETE	7-48233-18	10048233	Little Menomonee River at County Line Road
09/12/2018 12:19	COMPLETE	7-48232-18	10048232	Little Menomonee River
09/12/2018 12:55	COMPLETE	7-48231-18	10048231	Little Menomonee River
09/12/2018 13:12	COMPLETE	7-48230-18	10048230	Little Menomonee Creek
09/12/2018 13:30	COMPLETE	7-48229-18	10048229	Little Menomonee River
09/12/2018 13:50	COMPLETE	7-48228-18	10048228	Little Menomonee Creek
09/12/2018 15:13	COMPLETE	7-48226-18	10048226	Little Menomonee River at Mequon Road

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Start Date	Status	Field ID	Station ID	Station Name
09/12/2018 15:55	COMPLETE	7-48225-18	10048225	Little Menomonee River
09/12/2018 16:42	COMPLETE	7-48224-18	10048224	Little Menomonee River
09/12/2018 17:21	COMPLETE	7-48222-18	10048222	Little Menomonee River at Freistadt Road
09/12/2018 17:46	COMPLETE	7-48223-18	10048223	Little Menomonee River
10/15/2018 12:01	COMPLETE	8-48233-18	10048233	Little Menomonee River at County Line Road
10/15/2018 12:34	COMPLETE	8-48232-18	10048232	Little Menomonee River
10/15/2018 13:10	COMPLETE	8-48231-18	10048231	Little Menomonee River
10/15/2018 13:28	COMPLETE	8-48230-18	10048230	Little Menomonee Creek
10/15/2018 13:44	COMPLETE	8-48228-18	10048228	Little Menomonee Creek
10/15/2018 14:01	COMPLETE	8-48229-18	10048229	Little Menomonee River
10/15/2018 15:04	COMPLETE	8-48226-18	10048226	Little Menomonee River at Mequon Road
10/15/2018 15:33	COMPLETE	8-48225-18	10048225	Little Menomonee River
10/15/2018 16:14	COMPLETE	8-48224-18	10048224	Little Menomonee River
10/15/2018 16:50	COMPLETE	8-48222-18	10048222	Little Menomonee River at Freistadt Road
10/15/2018 17:12	COMPLETE	8-48223-18	10048223	Little Menomonee River
05/23/2019 11:43	COMPLETE	9-48233-19	10048233	Little Menomonee River at County Line Road
05/23/2019 12:35	COMPLETE	9-48232-19	10048232	Little Menomonee River
05/23/2019 14:02	COMPLETE	9-48231-19	10048231	Little Menomonee River
05/23/2019 14:25	COMPLETE	9-48230-19	10048230	Little Menomonee Creek
05/23/2019 14:49	COMPLETE	9-48228-19	10048228	Little Menomonee Creek
05/23/2019 15:10	COMPLETE	9-48229-19	10048229	Little Menomonee River
05/23/2019 15:49	COMPLETE	9-48226-19	10048226	Little Menomonee River at Mequon Road
05/23/2019 16:22	COMPLETE	9-48225-19	10048225	Little Menomonee River
05/23/2019 17:11	COMPLETE	9-48224-19	10048224	Little Menomonee River
05/23/2019 17:52	COMPLETE	9-48222-19	10048222	Little Menomonee River at Freistadt Road
05/23/2019 18:14	COMPLETE	9-48223-19	10048223	Little Menomonee River
06/20/2019 12:22	COMPLETE	10-48233-19	10048233	Little Menomonee River at County Line Road
06/20/2019 12:52	COMPLETE	10-48232-19	10048232	Little Menomonee River
06/20/2019 13:53	COMPLETE	10-48231-19	10048231	Little Menomonee River
06/20/2019 14:09	COMPLETE	10-48230-19	10048230	Little Menomonee Creek
06/20/2019 14:27	COMPLETE	10-48228-19	10048228	Little Menomonee Creek
06/20/2019 14:39	COMPLETE	10-48229-19	10048229	Little Menomonee River
06/20/2019 15:11	COMPLETE	10-48226-19	10048226	Little Menomonee River at Mequon Road
06/20/2019 15:49	COMPLETE	10-48225-19	10048225	Little Menomonee River
06/20/2019 16:28	COMPLETE	10-48224-19	10048224	Little Menomonee River
06/20/2019 17:01	COMPLETE	10-48222-19	10048222	Little Menomonee River at Freistadt Road
06/20/2019 17:21	COMPLETE	10-48223-19	10048223	Little Menomonee River
08/01/2019 12:37	COMPLETE	11-48223-19	10048223	Little Menomonee River
08/01/2019 13:04	COMPLETE	11-48222-19	10048222	Little Menomonee River at Freistadt Road
08/01/2019 13:45	COMPLETE	11-48224-19	10048224	Little Menomonee River
08/01/2019 14:26	COMPLETE	11-48225-19	10048225	Little Menomonee River
08/01/2019 16:11	COMPLETE	11-48232-19	10048232	Little Menomonee River
08/01/2019 16:48	COMPLETE	11-48231-19	10048231	Little Menomonee River
08/01/2019 17:00	COMPLETE	11-48230-19	10048230	Little Menomonee Creek
08/01/2019 17:14	COMPLETE	11-48228-19	10048228	Little Menomonee Creek
08/01/2019 17:24	COMPLETE	11-48229-19	10048229	Little Menomonee River
08/01/2019 18:09	COMPLETE	11-48233-19	10048233	Little Menomonee River at County Line Road
09/17/2019 11:38	COMPLETE	12-48233-19	10048233	Little Menomonee River at County Line Road

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Start Date	Status	Field ID	Station ID	Station Name
09/17/2019 12:11	COMPLETE	12-48232-19	10048232	Little Menomonee River
09/17/2019 12:53	COMPLETE	12-48231-19	10048231	Little Menomonee River
09/17/2019 13:09	COMPLETE	12-48230-19	10048230	Little Menomonee Creek
09/17/2019 13:26	COMPLETE	12-48228-19	10048228	Little Menomonee Creek
09/17/2019 13:40	COMPLETE	12-48229-19	10048229	Little Menomonee River
09/17/2019 15:00	COMPLETE	12-48226-19	10048226	Little Menomonee River at Mequon Road
09/17/2019 15:37	COMPLETE	12-48225-19	10048225	Little Menomonee River
09/17/2019 16:22	COMPLETE	12-48224-19	10048224	Little Menomonee River
09/17/2019 16:53	COMPLETE	12-48222-19	10048222	Little Menomonee River at Freistadt Road
09/17/2019 17:21	COMPLETE	12-48223-19	10048223	Little Menomonee River
10/23/2019 12:06	COMPLETE	13-48223-19	10048223	Little Menomonee River
10/23/2019 12:31	COMPLETE	13-48222-19	10048222	Little Menomonee River at Freistadt Road
10/23/2019 13:13	COMPLETE	13-48224-19	10048224	Little Menomonee River
10/23/2019 14:17	COMPLETE	13-48225-19	10048225	Little Menomonee River
10/23/2019 14:48	COMPLETE	13-48226-19	10048226	Little Menomonee River at Mequon Road
10/23/2019 15:41	COMPLETE	13-48231-19	10048231	Little Menomonee River
10/23/2019 15:55	COMPLETE	13-48230-19	10048230	Little Menomonee Creek
10/23/2019 16:11	COMPLETE	13-48228-19	10048228	Little Menomonee Creek
10/23/2019 16:32	COMPLETE	13-48229-19	10048229	Little Menomonee River
10/23/2019 17:06	COMPLETE	13-48232-19	10048232	Little Menomonee River
10/23/2019 17:26	COMPLETE	13-48233-19	10048233	Little Menomonee River at County Line Road

### 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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