

## Wisconsin Department of Natural Resources SWIMS Project Summary

**General Project Information**

**Project ID:** GLRI\_00E00591-0  
**Name:** Develop Multiple TMDLS for the Kinnickinnic River Watershed  
**Type:** Great Lakes Restoration Initiative  
**Subtype:** Toxics and Areas of Concern  
**Status:** ACTIVE  
**Start Date:** 10/01/2010  
**End Date:** 12/31/2099  
**Purpose:** The Milwaukee Metropolitan Sewerage District proposes to develop third-party pathogen, phosphorus, and sediment TMDLs for the Kinnickinnic River Watershed in Southeastern Wisconsin. Additionally, Cladophora algae blooms and increased beach closings have been shown to have a direct relationship to polluted stormwater runoff. The TMDLs will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.  
**Objective:** This project's scope of work will be to develop a third-party TMDL for each of these watersheds. This will be done by performing water quality computer modeling of the watersheds to determine the quantity and quality of pollutants reaching the receiving waterbody. The results of the third-party TMDL's will be the load allocations and waste load allocations by pollutant source that must be met to meet the watersheds water quality standards for that pollutant. Additionally, implementation plans will be developed to identify the steps needed to reach the load allocations and waste load allocations. The work product from this effort will be unique to the watersheds but the implementation plans for this work will be carried out by/for all of the pollutant sources. No permits are required to perform this work.  
**Comments:** \$132,839  
**Outcome:** This project will address the following beneficial use impairments: degradation of fish and wildlife populations; eutrophication or undesirable algae; beach closings; degradation of phytoplankton and zooplankton populations; degradation of aesthetics; and loss of fish and wildlife habitat.  
**Study Design:** Phosphorus, Sediment, Bacteria  
**QA Measures:**

**People**

Name	Role	Status	Start Date	End Date	Organization	Comments
Bate, Tim	COORDINATOR	ACTIVE	10/12/2010		Milwaukee MSD	
DINSMORE, DONALEA	QUALITY_CONT	ACTIVE	02/22/2011		Wisconsin DNR	

**Project Statuses**

Date	Reported By	Status	Comments
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**Actions**

Action	Detailed Description	Start	End Date	Status
TMDL Development	MMSD and Partners create TMDL for Watershed.	01/01/2010	12/31/2010	IN_PROGRESS
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	E. coli			
	Total Phosphorus			
	Total Suspended Solids			
Grant Awarded	The TMDLs will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.	10/01/2010	12/31/2099	IN_PROGRESS

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Action	Detailed Description	Start	End Date	Status
TMDL Development	The Milwaukee Metropolitan Sewerage District proposes to develop third-party pathogen, phosphorus, and sediment TMDLs for the Kinnickinnic River Watershed in Southeastern Wisconsin. Additionally, Cladophora algae blooms and increased beach closings have been shown to have a direct relationship to polluted stormwater runoff. The TMDLs will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.	10/01/2010	12/31/2099	IN_PROGRESS

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
20	1	South Shore Beach, Lake Michigan	Lake Michigan
20	2	Bradford Beach, Lake Michigan	Lake Michigan
20	3	Mckinley Beach, Lake Michigan	Lake Michigan
20	4	Tietjen Beach-Doctors Park, Lake Michigan	Lake Michigan
20	12	Lake Michigan	Lake Michigan
20	13	Atwater Beach, Lake Michigan	Lake Michigan
20	14	Bender Beach, Lake Michigan	Lake Michigan
20	22	Grant Park Beach, Lake Michigan	Lake Michigan
20	40	Bayview Park Beach, Lake Michigan	Lake Michigan
20	83	Klode Park Beach, Lake Michigan	Lake Michigan
20	84	Watercraft Beach, Lake Michigan	Lake Michigan
28	1	Milwaukee Harbor	Milwaukee Harbor
200	1	Greenfield Park Pond	Greenfield Park Pond
390	1	Un Lake	Unnamed
2900	2	Root River	Root River
2900	3	Root River	Root River
2900	4	Root River	Root River
3385	1	Unnamed	Unnamed
3510	1	Local Water	Unnamed
3800	1	Mid. Oakwood Golf Course P	Mid. Oakwood Golf Course P
4000	1	South Oakwood Golf Course Pond	South Oakwood Golf Course Pond
4200	1	North Oakwood Golf Course Pond	North Oakwood Golf Course Pond
4300	1	Root River Canal	Root River Canal
5100	1	Ryan Creek	Ryan Creek
5200	1	Dumkes Lake	Dumkes Lake
5300	1	Franklin Trib	Unnamed
5350	1	Un Lake	Unnamed
5500	1	Mud Lake	Mud Lake
5550	1	Legend Creek	Legend Creek
5700	1	Root River Parkway Pond	Root River Parkway Pond

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
5900	1	Koepmier Lake	Koepmier Lake
6000	1	Dale Creek	Dale Creek
6100	1	Scout Lake	Scout Lake
6200	1	Tess Corners Creek	Unnamed
6300	1	Local Water	Unnamed
6500	1	Boerner Bot. Garden Pond No.1	Boerner Bot Gdn Pond No. 1
6700	1	Boerner Bot. Garden Pond No.2	Boerner Bot Gdn Pond No. 2
7100	1	Upper Kelly Lake	Upper Kelly Lake
7300	1	Whitnall Park Pond	Whitnall Park Pond
7500	1	Monastery Lake	Monastery Lake
7600	1	Un Lake	Unnamed
7635	1	Wildcat Creek	Unnamed
8600	1	Dineen Park Pond	Dineen Park Pond
8800	1	Estabrook Park	Estabrook Park Lagoon
9400	1	Holler Park Pond	Holler Park Pond
9700	1	Humboldt Park Pond	Humboldt Park Pond
9800	1	Jacobus Park Pond	Jacobus Park Pond
10000	1	Bradley Lake (Little)	Kosciuszko Park Pond
10100	1	Linden Pond	Linden Pond
10300	1	Mcgovrn Park Pond	McGovern Park Pond
10450	1	Un Lake	Unnamed
10500	1	Mitchell Park Pond	Mitchell Park Pond
10700	1	North Golf Course Ponds	North Golf Course Pond Number 1
10800	1	North Golf Course Pond # 2	North Golf Course Pond Number 2
10900	1	North Golf Course Pond # 3	North Golf Course Pond Number 3
11000	1	New Zoo Pond	New Zoo Pond
11100	1	Noyes Park Pond	Noyes Pond
11500	1	Saveland Park Pond	Saveland Park Pond
11700	1	Sheridan Park Pond	Sheridan Park Pond
14400	1	Washington Park	Washington Park Pond
14500	1	Oak Creek	Oak Creek
14700	1	Oak Creek Parkway Pond	Oak Creek Parkway Pond
14800	1	Mitchell Field Ditch	Unnamed
14800	2	Mitchell Field Ditch	Unnamed
14900	2	North Branch Oak Creek	Unnamed
15000	1	Milwaukee River	Milwaukee River
15000	2	Milwaukee River	Milwaukee River
15010	1	Milwaukee Harbor	Milwaukee Harbor Outer
15100	1	Kinnickinnic River	Kinnickinnic River
15100	2	Kinnickinnic River	Kinnickinnic River
15100	3	Kinnickinnic River	Kinnickinnic River
15200	1	Wilson Park Creek	Wilson Park Creek
15200	2	Wilson Park Creek	Wilson Park Creek
15250	1	Cherokee Creek	Unnamed
15500	1	Wilson Park Pond	Wilson Park Pond
15550	1	Holmes Avenue Creek	Unnamed
15575	1	Un. Creek (Edgerton Ditch)(T06n R22e Sw Ne 28)	Unnamed

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
15800	1	Jackson Park Pond	Jackson Park Pond
15900	1	South 43rd Street Ditch	Unnamed
16000	1	Menomonee River	Menomonee River
16000	2	Menomonee River	Menomonee River
16000	3	Menomonee River	Menomonee River
16000	5	Menomonee River	Menomonee River
16100	1	Wood Creek	Wood Creek
16200	1	Wood Hospital Pond	Wood Hospital Pond
16300	2	Honey Creek	Honey Creek
16600	1	Mccarty Park Pond	McCarty Park Pond
16700	1	Underwood Creek	Underwood Creek
16700	2	Underwood Creek	Underwood Creek
16800	1	South Branch Of Underwood Creek	Unnamed
17400	1	Menomonee Parkway Pond	Menomonee Parkway Pond
17600	2	Little Menomonee	Little Menomonee River
17700	1	Noyes Creek	Unnamed
18300	1	Schroedel Pond	Schroedel Pond
18350	1	Unnamed Stream (R21e S18	Unnamed
19300	1	Milwaukee River Lincoln Park Lagoon	Mil River -Lincoln Park Lagoon
19400	1	Lincoln Creek	Lincoln Creek
19450	1	Crestwood Creek	Unnamed
19600	1	Indian Creek	Indian Creek
19700	1	Un. Creek (Brown Deer Creek)(T08n R22e Sw Nw 07)	Unnamed
19900	1	Brown Deer Park	Brown Deer Park Pond
20000	1	Beaver Creek	Unnamed
20400	1	Un. Creek (Trinity Creek)(T09n R21e Se Ne 35)	Unnamed
20400	2	Local Water	Unnamed
44600	1	Juneau Park Lagoon	Juneau Park Lagoon
44700	1	Fish Creek	Fish Creek
3000042	1	Local Water	Unnamed
3000073	1	South Branch Creek	Unnamed
3000341	1	Local Water	Unnamed
5034070	1	Local Water	Unnamed
5034132	1	Local Water	Unnamed
5034171	1	Unnamed Stream	Unnamed
5034191	1	Unnamed Stream	Unnamed
5034235	1	Local Water	Unnamed
5034304	1	Unnamed Stream	Unnamed
5034362	1	Local Water	Unnamed
5034457	1	Unnamed Stream	Unnamed
5034465	1	Local Water	Unnamed
5034662	1	Unnamed Stream	Unnamed
5034771	1	Local Water	Unnamed
5035100	1	Local Water	Unnamed
5035175	1	Grantosa Creek	Unnamed
5035175	2	DUPLICATE	Unnamed
5035401	1	Local Water	Unnamed

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
5035805	1	Local Water	Unnamed
5036024	1	Local Water	Unnamed
5036088	1	SOUTH BRANCH UNDERWOOD CREEK	Unnamed
5036265	1	Hale Creek	Unnamed
5036372	1	Local Water	Unnamed
5036509	1	Local Water	Unnamed
5036633	1	Zablocki Park Creek	Unnamed
5036990	1	Local Water	Unnamed
5037118	1	Local Water	Unnamed
5037240	1	Local Water	Unnamed
5037305	1	Local Water	Unnamed
5037407	1	Local Water	Unnamed
5037597	1	Local Water	Unnamed
5037655	1	Local Water	Unnamed
5037694	1	Local Water	Unnamed
5037792	1	Local Water	Unnamed
5037797	1	Unnamed Stream	Unnamed
5037833	1	Local Water	Unnamed
5038138	1	Unnamed Stream	Unnamed
5038183	1	Unnamed Stream	Unnamed
5038451	1	Local Water	Unnamed
5573818	1	Local Water	Unnamed
5573892	1	Local Water	Unnamed
5573998	1	Unnamed	Unnamed
5574026	1	Local Water	Unnamed
5574079	1	Local Water	Unnamed
5574091	1	Local Water	Unnamed
5575643	1	Unnamed Lake	Unnamed
5575706	1	Unnamed Lake	Unnamed
5575745	1	Unnamed Lake	Unnamed
5575751	1	Unnamed Lake	Unnamed
5575899	1	Unnamed Lake	Unnamed
5576237	1	Local Water	Unnamed
5576428	1	Unnamed Lake	Unnamed
5576479	1	Local Water	Unnamed
5576495	1	Local Water	Unnamed
5576523	1	Unnamed Lake	Unnamed
5576584	1	Unnamed	Unnamed
5576636	1	Local Water	Unnamed
5576672	1	Local Water	Unnamed
5576707	1	Local Water	Unnamed
5576877	1	Local Water	Unnamed
5576946	1	Local Water	Unnamed
5576991	1	Unnamed Lake	Unnamed
5577024	1	Local Water	Unnamed
5577038	1	Local Water	Unnamed
5577146	1	Local Water	Unnamed
5577409	1	Local Water	Unnamed

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WBIC	Segment	Local Name	Official Name
5588787	1	Local Water	Unnamed
5588789	1	Local Water	Unnamed
5590457	1	Northridge Lake	Unnamed

### 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
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### Documents

Title	Description	Author	Published	Comments
Develop Multiple TMDLS for the Kinnickinnic River Watershed, GLRI pre-proposal, Bate	Develop Multiple TMDLS for the Kinnickinnic River Watershed, GLRI pre-proposal, Bate	Bate, Tim	02/01/2011	
Phosphorus, Sediment, Bacteria TMDLS, Kinnickinnic River QAPP	Fully Approved QAPP	CDM	02/03/2012	PDF

### Budget

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
Great Lakes National Program Office	Federal	Great Lakes Restoration Initiative	\$132,839.00	07/01/2011	06/30/2012