

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** TMD67000Y16  
**Name:** WASHINGTON COUNTY: Moritz Clean Water Project  
**Type:** NPS Grant  
**Subtype:** Total Maximum Daily Load  
**Status:** COMPLETE  
**Start Date:** 01/01/2016  
**End Date:** 12/31/2017  
**Purpose:** The grantee will implement a barnyard runoff control system, access roads and cattle crossings, animal trails and walkways, diversions, grade stabilization, heavy use area protection, roofing, roof runoff systems, a sediment basin, underground outlets, waterway systems, and livestock fencing to address the following NR 151 Agricultural Performance Standards and Prohibitions: clean water diversions, prevention of unconfined manure piles in water quality management, prevention of direct runoff from a feedlot or stored manure into waters of the state, prevention of unlimited livestock access to waters of the state, and remedy discharges of manure, sediment and phosphorus in runoff entering waters of the state.  
**Objective:**  
**Comments:** Grantee is WASHINGTON 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
Grant Awarded	This project is an installation of nonpoint source best management practices to contribute to the restoration of Wisconsin's waters and was funded by the 319 grant. Specifically, the grantee will implement: a barnyard runoff control system, access roads and cattle crossings, animal trails and walkways, diversions, grade stabilization, heavy use area protection, roofing, roof runoff systems, a sediment basin, underground outlets, waterway systems, and livestock fencing.	01/01/2016	12/31/2017	COMPLETE

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<b>Action</b>	<b>Detailed Description</b>	<b>Start</b>	<b>End Date</b>	<b>Status</b>
Best Management Practices, Implement	This project is an installation of nonpoint source best management practices to contribute to the restoration of Wisconsin's waters and was funded by the 319 grant. Specifically, the grantee will implement: a barnyard runoff control system, access roads and cattle crossings, animal trails and walkways, diversions, grade stabilization, heavy use area protection, roofing, roof runoff systems, a sediment basin, underground outlets, waterway systems, and livestock fencing.	01/01/2016	12/31/2017	COMPLETE

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Action	Detailed Description	Start	End Date	Status
Runoff Grant - TMDL		01/01/2016	12/31/2017	COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Clean Water Diversions in WQMA: Number of animal units for diversions			
	Clean Water Diversions in WQMA: Number of farms with diversions			
	Clean Water Diversions in WQMA: Pollutant load reduction			
	Developed Urban Areas: Other (Please Specify)			
	Fueling and Maintenance Areas: Oily sheen presence			
	Infiltration: % Pre-development stay-on volume			
	Infiltration: Cubic feet stay-on volume			
	Manure Storage Facilities: Number of animal units			
	Manure Storage Facilities: Number of animal units for failing facilities			
	Manure Storage Facilities: Number of closed facilities			
	Manure Storage Facilities: Number of failing/leaking facilities			
	Manure Storage Facilities: Number of new/altered facilities			
	NR 216: 20-40% Reduction in TSS - % reduction			
	NR 216: 20-40% Reduction in TSS - Pounds reduced			
	Nutrient Management on Agricultural Land: Acres planned			
	Peak Flow Discharge: Change in cubic feet per second			
	Prohibition: Direct Runoff from Feedlot/Stored Manure: Number of Facilities			
	Prohibition: Direct Runoff from Feedlot/Stored Manure: Number of animal units			
	Prohibition: Direct Runoff from Feedlot/Stored Manure: Pollutant load reduction			
	Prohibition: Manure Storage Overflow: Number of animal units			
	Prohibition: Manure Storage Overflow: Number of farms			
	Prohibition: Unconfined			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Manure Pile in WQMA: Number of farms	Prohibition: Unlimited			
Livestock Access: Feet of bank protected	Prohibition: Unlimited			
Livestock Access: Number of farms	Protective Areas: Feet of bank protected			
Sheet, rill and wind erosion: Acres meeting "T"	Streambanks: Feet of bank protected			
Streambanks: Tons of bank erosion reduced	non NR 216: 20-40% Reduction in TSS - % reduction			
non NR 216: 20-40% Reduction in TSS - Pounds reduced				

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
7900	1	Allis Lake	Allis Lake
8200	1	Brickyard Lake	Brickyard Lake
9200	1	Hawthorn Lake	Hawthorn Lake
10400	1	Miller Lake	Miller Lake
11300	1	Rockfield Quarry Pond	Rockfield Quarry Pond
12050	1	Un Lake	Unnamed
12370	1	Un Lake	Unnamed
12370	2	Sandy Knoll County Park Beach, Unnamed	Unnamed
15000	3	Milwaukee River	Milwaukee River
15000	4	Milwaukee River	Milwaukee River
16000	4	Menomonee River	Menomonee River
16000	5	Menomonee River	Menomonee River
18450	1	Nor-X-Way Channel	Unnamed
18800	1	Willow Creek	Willow Creek
18825	1	Local Water	Unnamed
18900	1	Goldenthal Creek	Goldendale Creek
21300	2	Cedar Creek	Cedar Creek
22500	1	N. Br. Cedar Creek	North Branch Cedar Creek
22600	1	Un. Creek (T10n R20e Ne Ne 1)	Unnamed
22900	1	Cedarburg Creek	Cedarburg Creek
23000	1	Evergreen Creek	Evergreen Creek
23200	1	Keowns Pond	Keowns Pond

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
23300	1	Friedens Creek	Unnamed
23400	1	Little Cedar Creek	Little Cedar Creek
23500	1	Kressin Cr (Upper And Lower)	Kressin Br
23600	1	Un. Creek (T09n R20 E Ne Sw 06)	Unnamed
23700	1	Un Lake	Unnamed
23800	1	Polk Spring Creek	Polk Spring Creek
23900	1	Jackson Creek	Unnamed
24000	1	Hasmer Lake	Hasmer Lake
24100	1	Tilly Lake	Tilly Lake
24200	1	Un. Creek (T10n R19e Se Ne 14)	Unnamed
24300	1	Schwietzer Pond	Schwietzer Pond
24400	1	Lehner Creek	Lehner Creek
24500	1	Lehner Lake	Lehner Lake
24900	1	Lent Lake	Lent Lake
25100	1	Little Cedar Lake	Little Cedar Lake
25100	2	Ackerman's Grove Park Beach, Little Cedar Lake	Little Cedar Lake
25300	1	Big Cedar Lake	Cedar Lake
25400	1	Un Creek (T10n R19e Nw Ne 5)	Unnamed
25500	1	Un. Creek (T11n R19e Ne Ne 20)	Unnamed
25500	2	Unnamed Trib to Gilbert Lake	Unnamed
25600	1	Gilbert Lake	Gilbert Lake
27100	1	Milwaukee River North Branch	North Branch Milwaukee River
27500	1	Erler Lake	Erler Lake
27500	2	Leonard Yahr Park Beach, Erler Lake	Erler Lake
27600	1	Wallace Creek	Wallace Creek
27600	2	Wallace Creek	Wallace Creek
27900	1	Ehne Lake	Ehne Lake
28100	1	Green Lake	Green Lake
28300	1	Wallace Lake	Wallace Lake
28600	1	Lenwood Lake	Lake Lenwood
28700	1	Stony Creek	Stony Creek
28700	2	Stony Creek	Stony Creek
28800	1	Un. Creek (T12n R20e Sw Sw 3)	Unnamed
29000	1	Boltonville Pond	Boltonville Millpond
29700	1	Twelve Lake	Lake Twelve
29710	1	Unnamed Stream	Unnamed
30900	1	Un. Creek	Unnamed
33800	1	Un. Creek (T12n R20e Ne Sw 36)	Unnamed
34300	1	Newburg Pond	Newburg Pond
34400	1	Myra Creek	Myra Creek
34500	1	Proschinger Lake	Proschinger Lake
34600	1	Un Lake	Unnamed
34700	1	Radtke Lake	Radtke Lake
34800	1	Un Creek (T11n R20e Sw Se 17)	Unnamed
34900	1	Quas Creek	Quas Creek
35000	1	Quas Lake	Quas Lake
35400	1	Barton Pond	Barton Pond

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
35500	1	Silver Creek	Silver Creek
35700	1	Engmon Creek (Engmow)	Engmon Creek
35720	1	Un Lake	Unnamed
35730	1	Un Lake	Unnamed
35750	1	Un Lake	Unnamed
35900	1	Lucaslake	Lucas Lake
36000	1	Paradise Valley Lake	Paradise Valley Lake
36200	1	Silver Lake	Silver Lake (Paradise Valley)
36700	1	Smith Lake	Smith Lake
36800	1	Little Drickens	Little Drickens Lake
36900	1	East Branch Milwaukee River	East Branch Milwaukee River
36900	2	E Br Milwaukee River	East Branch Milwaukee River
39500	1	Unnamed Stream	Unnamed
39800	1	Kewaskum Creek	Kewaskum Creek
40100	1	Un. Creek (T12n R19e Nw Ne 9)	Unnamed
40200	1	Un. Creek (T12n R19e Se Ne 4)	Unnamed
40400	1	West Branch Milwaukee River	West Branch Milwaukee River
40500	1	Stoffel Creek	Unnamed
774000	1	Amy Belle Lake	Amy Bell Lake
776700	1	Hickey Lake	Hickey Lake
777400	1	Lake Five	Lake Five
777900	1	Lohr Pond	Lohr Pond
778800	1	Mud Lake	Mud Lake
778900	2	Mueller Lake	Mueller Lake
787700	1	Unnamed Lake	Unnamed
788600	1	Werner Pond	Werner Pond
813500	8	Bark River	Bark River
813500	9	Bark River	Bark River
828500	1	Meadow Brook	Meadow Brook
828600	1	Bark Lake	Bark Lake
848200	2	Oconomowoc River	Oconomowoc River
848200	4	Oconomowoc River (Lowes to Little Friess Lk)	Oconomowoc River
848200	6	Oconomowoc River	Oconomowoc River
851100	2	Mason Creek	Mason Creek
851200	1	Unnamed Stream	Unnamed
851400	1	Little Oconomowoc River	Little Oconomowoc River
851400	2	Little Oconomowoc River	Little Oconomowoc River
851700	1	Beck Lake	Beck Lake
851800	1	Mcconville Lake	McConville Lake
851900	1	Malloy Lake	Malloy Lake
852000	1	Murphy Lake	Murphy Lake
852600	1	Monches Millpond	Monches Millpond
852800	1	Flynn Creek	Flynn Creek
852900	1	Lowes Lake	Loew Lake
853000	1	Unnamed	Unnamed
853100	1	Little Friess Lake	Little Friess Lake
853200	1	Friess Lake	Friess Lake
853400	1	Coney River	Coney River

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
853400	2	Coney River	Coney River
853400	3	Coney River	Coney River
853600	1	Mud Lake	Mud Lake
853800	1	Ashippun River	Ashippun River
853800	2	DUPLICATE	Ashippun River
855100	1	Unnamed Stream	Unnamed
855200	1	Druid Lake	Druid Lake
856500	2	Rubicon River	Rubicon River
856500	3	Rubicon River	Rubicon River
856500	4	Rubicon River	Rubicon River
857300	1	Unnamed Stream	Unnamed
857900	1	Hartford Millpond	Hartford Millpond
858100	1	Rubicon River, West Branch	West Branch Rubicon River
858300	1	Pike Lake	Pike Lake
858300	2	Kettle Moraine RD KMSF Pike Lake Beach, Pike Lake	Pike Lake
861400	1	East Branch Rock River	East Branch Rock River
861400	3	East Branch Rock River	East Branch Rock River
864300	1	Local Water	Unnamed
865400	1	Kohlsville River	Kohlsville River
865500	3	North Branch Wayne Creek	Wayne Creek
865500	4	Wayne Creek	Wayne Creek
865500	5	Wayne Creek	Wayne Creek
865500	6	Wayne Creek	Wayne Creek
866000	1	Kohlsville Millpond	Kohlsville Millpond
866100	1	Kohlsville River, West Branch	West Branch Kohlsville River
866200	1	No Name Creek	No Name Creek
866500	1	Local Water	Unnamed
866500	2	Local Water	Unnamed
866800	1	Limestone Creek	Limestone Creek
866800	2	Limestone Creek	Limestone Creek
866800	3	Limestone Creek	Limestone Creek
866900	1	Local Water	Unnamed
867100	2	Allenton Creek	Allenton Creek
867200	1	Local Water	Unnamed
5030006	1	Unnamed Stream	Unnamed
5030055	1	Unnamed Stream	Unnamed
5030146	1	Unnamed Trib. to Unnamed Creek	Unnamed
5030400	1	Unnamed Stream	Unnamed
5030484	1	Unnamed Stream	Unnamed
5030981	1	Unnamed Stream	Unnamed
5031064	1	Unnamed Stream	Unnamed
5031261	1	Unnamed Stream	Unnamed
5031329	1	Unnamed Stream	Unnamed
5031359	1	Local Water	Unnamed
5031972	1	Unnamed Stream	Unnamed
5032227	1	Unnamed Stream	Unnamed
5032235	1	Unnamed Stream	Unnamed

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
5032689	1	Cedar Cr. Br.	Unnamed
5032967	1	Unnamed Stream	Unnamed
5033314	1	Local Water	Unnamed
5033492	1	Unnamed Stream	Unnamed
5033494	1	Unnamed Stream	Unnamed
5033615	1	West Br. Menomonee	Unnamed
5033655	1	Unnamed Stream	Unnamed
5033701	1	Unnamed Stream	Unnamed
5033705	1	Local Water	Unnamed
5033915	1	Local Water	Unnamed
5034063	1	Local Water	Unnamed
5034083	1	Local Water	Unnamed
5034130	1	Local Water	Unnamed
5567524	1	Local Water	Unnamed
5567772	1	Local Water	Unnamed
5567905	1	Local Water	Unnamed
5568092	1	Local Water	Unnamed
5568476	1	Local Water	Unnamed
5568551	1	Local Water	Unnamed
5568607	1	Local Water	Unnamed
5568634	1	Local Water	Unnamed
5568642	1	Local Water	Unnamed
5568652	1	Local Water	Unnamed
5569083	1	Local Water	Unnamed
5569225	1	Local Water	Unnamed
5569354	1	Local Water	Unnamed
5569368	1	Local Water	Unnamed
5569377	1	Local Water	Unnamed
5569419	1	Local Water	Unnamed
5569515	1	Local Water	Unnamed
5569516	1	Local Water	Unnamed
5569545	1	Local Water	Unnamed
5569601	1	Local Water	Unnamed
5569603	1	Local Water	Unnamed
5569676	1	Local Water	Unnamed
5569787	1	Local Water	Unnamed
5569964	1	Local Water	Unnamed
5569988	1	Local Water	Unnamed
5570141	1	Local Water	Unnamed
5570270	1	Local Water	Unnamed
5570315	1	Local Water	Unnamed
5570320	1	Local Water	Unnamed
5570533	1	Local Water	Unnamed
5570609	1	Local Water	Unnamed
5570710	1	Local Water	Unnamed
5570871	1	Local Water	Unnamed
5571041	1	Local Water	Unnamed
5571189	1	Local Water	Unnamed

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<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
5571204	1	Local Water	Unnamed
5571280	1	Local Water	Unnamed
5571313	1	Local Water	Unnamed
5571433	1	Local Water	Unnamed
5571556	1	Local Water	Unnamed
5571563	1	Local Water	Unnamed
5571592	1	Local Water	Unnamed
5571661	1	Local Water	Unnamed
5571683	1	Local Water	Unnamed
5571823	1	Local Water	Unnamed
5571824	1	Local Water	Unnamed
5571829	1	Local Water	Unnamed
5571830	1	Local Water	Unnamed
5571833	1	Local Water	Unnamed
5571857	1	Local Water	Unnamed
5571891	1	Local Water	Unnamed
5571925	1	Local Water	Unnamed
5571932	1	Local Water	Unnamed
5572059	1	Local Water	Unnamed
5572089	1	Local Water	Unnamed
5572105	1	Local Water	Unnamed
5572303	1	Local Water	Unnamed
5572395	1	Local Water	Unnamed
5572436	1	Local Water	Unnamed
5572455	1	Local Water	Unnamed
5572565	1	Local Water	Unnamed
5572618	1	Local Water	Unnamed
5572728	1	Local Water	Unnamed
5572767	1	Local Water	Unnamed
5572816	1	Local Water	Unnamed
5572825	1	Local Water	Unnamed
5572832	1	Local Water	Unnamed
5572834	1	Local Water	Unnamed
5572846	1	Local Water	Unnamed
5572848	1	Local Water	Unnamed
5572893	1	Local Water	Unnamed
5572927	1	Local Water	Unnamed
5572985	1	Local Water	Unnamed
5573009	1	Local Water	Unnamed
5573056	1	Local Water	Unnamed
5573122	1	Local Water	Unnamed
5573128	1	Local Water	Unnamed
5573143	1	Local Water	Unnamed
5573157	1	Local Water	Unnamed
5573185	1	Local Water	Unnamed
5573252	1	Local Water	Unnamed
5588211	1	Local Water	Unnamed
5589506	1	Local Water	Unnamed

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WBIC	Segment	Local Name	Official Name
5589509	1	Local Water	Unnamed
5589525	1	Local Water	Unnamed
5589527	1	Local Water	Unnamed
5589607	1	Local Water	Unnamed
5589652	1	Local Water	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
Moritz Clean Water - Final Report	Moritz Clean Water - Final Report	Debora Sielski	12/20/2017	
Moritz Clean Water - Grant Agreement				
Moritz Clean Water - Grant Application				

### Budget

Combined Budgets:

Combined SLOH:

Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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