

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: FX04_WTPLAN

Name: Middle Fox River (FX04) Watershed Planning

Type: Water Quality Planning

Subtype: Targeted Watershed Plans

Status: ACTIVE

Start Date: 1/1/2013

End Date: 12/31/2014

Purpose: Watershed plan update started in 2014. The Middle Fox River Watershed is the largest of the Fox River Basin watersheds (248 square miles), encompassing portions of Racine and Waukesha Counties, along with a very small portion of Walworth County. Portions of the Cities of Burlington, Muskego, New Berlin and Waukesha lie within the watershed, along with the Villages of Big Bend, Mukwonago, North Prairie, Rochester, Wales and Waterford.

Land cover in the watershed is primarily rural, with agricultural (41%). Other rural uses include grasslands (18%), wetlands (14%) and forests (13%). Urban areas comprise nearly four percent of the land cover in the watershed .

It is recommended that dam removal and habitat improvements be implemented to improve existing conditions. Where practical, habitat restoration and buffer implementation should be employed to provide multiple benefits including bank stabilization, water quality, fisheries, reduced sedimentation and nutrient loading.

Objective:

Comments:

Outcome:

Study Design: Watershed specified for planning and assessment purposes. Assessment of water quality condition in this respective county will use protocols described in WisCALM of the year of assessment. Minimum assessment work includes biological data (macroinvertebrates, fish indices), chemistry and habitat data. Additional work includes identification of priorities and goals, creating recommendations for actions, and updating narratives for watersheds and waterbodies. Assessments are to be double checked by at least one additional biologist.

QA Measures: Watershed Planning work in 2012/2014

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	INACTIVE	1/1/2012	12/28/2022	Wisconsin DNR	
PERSON, RUTH A	COORDINATOR	INACTIVE	1/1/2012		Wisconsin DNR	
SABRE, RACHEL A	COORDINATOR	COMPLETE	1/1/2012	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
3/5/2016	Lisa Helmuth	Progress: 75-100% Complete	DRAFT NEED TO FINISH

Actions

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Action	Detailed Description	Start Date	End Date	Status
Dam Safety or Removal	<p>The Middle Fox River Watershed is the largest of the Fox River Basin watersheds (248 square miles), encompassing portions of Racine and Waukesha Counties, along with a very small portion of Walworth County. Portions of the Cities of Burlington, Muskego, New Berlin and Waukesha lie within the watershed, along with the Villages of Big Bend, Mukwonago, North Prairie, Rochester, Wales and Waterford. Land cover in the watershed is primarily rural, with agricultural (41%). Other rural uses include grasslands (18%), wetlands (14%) and forests (13%). Urban areas comprise nearly four percent of the land cover in the watershed . No streams in the watershed are listed on the 303(d) list. The main impacts to streams in this watershed include agricultural, development, sedimentation, channelization, elevated temperatures and stormwater runoff. It is recommended that dam removal and habitat improvements be implemented to improve existing conditions. Where practical, habitat restoration and buffer implementation should be employed to provide multiple benefits including bank stabilization, water quality, fisheries, reduced sedimentation and nutrient loading.</p>	1/1/2012	12/31/2014	COMPLETE

Details: Parameter**Value/Amount****Units****Comments**

Total Phosphorus

Water Quality Planning	<p>The Middle Fox River Watershed is the largest of the Fox River Basin watersheds (248 square miles), encompassing portions of Racine and Waukesha Counties, along with a very small portion of Walworth County. Portions of the Cities of Burlington, Muskego, New Berlin and Waukesha lie within the watershed, along with the Villages of Big Bend, Mukwonago, North Prairie, Rochester, Wales and Waterford. Land cover in the watershed is primarily rural, with agricultural (41%). Other rural uses include grasslands (18%), wetlands (14%) and forests (13%). Urban areas comprise nearly four percent of the land cover in the watershed . No streams in the watershed are listed on the 303(d) list. The main impacts to streams in this watershed include agricultural, development, sedimentation, channelization, elevated temperatures and stormwater runoff. It is recommended that dam removal and habitat improvements be implemented to improve existing conditions. Where practical, habitat restoration and buffer implementation should be employed to provide multiple benefits including bank stabilization, water quality, fisheries, reduced sedimentation and nutrient loading.</p>	1/1/2012	12/31/2014	COMPLETE
TMDL Actions in Wisconsin		1/1/2012	12/31/2014	PROPOSED

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Dam Safety or Removal	It is recommended that dam removal and habitat improvements be implemented to improve existing conditions. Where practical, habitat restoration and buffer implementation should be employed to provide multiple benefits including bank stabilization, water quality, fisheries, reduced sedimentation and nutrient loading.	9/19/2014	12/31/2016	PROPOSED
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Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
740300	1	Bisanabi Lake	Bisanabi Lake
741000	1	Mills Ponds	Mills Ponds
741100	1	Norris Pond	Norris Pond
741300	1	Overson Pond	Overson Pond
741600	1	Rockland Lake	Rockland Lake
742230	1	Un Lake	Unnamed
742260	1	Un Lake	Unnamed
742500	1	Fox River (Illinois)	Fox River
742500	2	Fox River (Below Barstow Impoundment)	Fox River
742500	7	Fox River (Illinois)	Fox River
742500	8	Fox River (Illinois)	Fox River
751200	2	White River	White River
751400	1	Echo Lake	Echo Lake
758900	1	Unnamed Stream	Long Lake Channel
759000	1	Long Lake	Long Lake
759200	1	Leda Lake	Leda Lake
759400	1	Brock Lake	Brock Lake
759500	1	Eagle Creek (Eagle Lake Outlet)	Eagle Creek
759500	2	Eagle Creek (Eagle Lake Outlet)	Eagle Creek
759600	1	Unnamed Stream	Unnamed
759800	1	Eagle Lake	Eagle Lake
760000	1	Unnamed Stream	East Eagle Lake Ditch
760200	1	Wind Lake Drainage Canal	Wind Lake Canal
760300	1	Unnamed Stream	Goose Lake Br Canal
760400	1	Unnamed Stream	Goose Ditch
760500	1	Unnamed	Unnamed

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760500	2	Unnamed	Unnamed
760500	3	Unnamed	Unnamed
760600	1	Dover Ditch to the Goose Lake Branch Canal	Unnamed
760660	1	Unnamed Stream	Unnamed
760670	1	Unnamed Stream	Unnamed
760680	1	Unnamed Stream	Unnamed
760700	1	Unnamed Stream	Unnamed
760900	1	Waubeesee Lake	Waubeesee Lake
761100	1	Long Lake	Long Lake
761300	1	Lake Denoon	Lake Denoon
761700	1	Wind Lake	Wind Lake
761800	1	Muskego Canal	Muskego Canal
762000	1	Unnamed Stream	Unnamed
762100	1	Un Spring	Un Spring
762200	1	Unnamed Stream	Unnamed
762400	1	Big Muskego Lake	Big Muskego Lake
762500	1	Muskego Creek	Muskego Creek
762500	2	Muskego Creek	Muskego Creek
762525	1	Unnamed Stream	Unnamed
762550	1	Un Lake	Unnamed
762700	1	Little Muskego Lake	Little Muskego Lake
762900	1	Linnie Lac	Linie Lac
763000	1	Unnamed Stream	Unnamed
763025	1	Un Lake	Unnamed
763100	1	Unnamed Stream	Unnamed
763200	1	Bass Bay	Bass Bay Lake
763400	1	Fox River -Bay	Fox River -Bay
763500	1	Buena Lake	Buena Lake
763600	1	Tichigan Lake	Tichigan Lake
763700	1	Tichigan Creek	Tichigan Creek
763800	1	Unnamed Stream	Unnamed
763900	1	Unnamed Stream	Unnamed
764000	1	Unnamed Stream	Unnamed
764300	1	Unnamed Lake	Unnamed
764400	1	Unnamed Stream	Unnamed

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764700	1	Krueger Brook	Krueger Brook
764800	1	Ripple Brook	Ripple Brook
765100	1	Big Bend Pond	Big Bend Pond
765200	1	Unnamed Stream	Artesian Brook
765300	1	Unnamed Stream	Horseshoe Brook
765400	1	Unnamed Stream	Unnamed
769000	1	Unnamed Stream	Unnamed
769100	1	Unnamed Stream	Unnamed
769200	1	Unnamed Stream	Unnamed
769300	1	Unnamed Stream	Unnamed
769400	1	Mill Brook	Mill Brook
769400	2	Mill Brook	Mill Brook
769500	1	Pebble Brook	Pebble Brook
769600	1	Unnamed Stream	Redwing Creek
769700	1	Mill Creek	Mill Creek
769750	1	Un Lake	Unnamed
769800	1	Genesee Creek	Genesee Creek
769800	2	Genesee Creek	Genesee Creek
770100	1	Saylesville Millpond	Saylesville Millpond
770300	1	Spring Brook	Spring Brook
770500	1	Willow Spring Lake	Willow Springs Lake
770600	1	Spring Lake	Spring Lake
771000	1	Genesee Mill Pond	Genesee Mill Pond
3000068	1	North Branch Genesee Creek	North Branch Genesee Creek
3000069	1	South Branch Genesee Creek	South Branch Genesee River
5036532	1	Unnamed Stream	Unnamed
5036588	1	Unnamed Stream	Unnamed
5036717	1	Unnamed Stream	Unnamed
5036718	1	Unnamed Stream	Unnamed
5036722	1	Unnamed Stream	Unnamed
5036737	1	Unnamed Stream	Unnamed
5036759	1	Unnamed Stream	Unnamed
5036765	1	Unnamed Stream	Unnamed
5036776	1	Unnamed Stream	Unnamed
5036807	1	Unnamed Stream	Unnamed

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5036814	1	Unnamed Stream	Unnamed
5036816	1	Unnamed Stream	Unnamed
5036824	1	Unnamed Stream	Unnamed
5036872	1	Unnamed Stream	Unnamed
5036884	1	Unnamed Stream	Unnamed
5036920	1	Unnamed Stream	Unnamed
5037052	1	Unnamed Stream	Unnamed
5037061	1	Unnamed Stream	Unnamed
5037068	1	Unnamed Stream	Unnamed
5037171	1	Unnamed Stream	Unnamed
5037211	1	Unnamed Stream	Unnamed
5037397	1	Unnamed Stream	Unnamed
5037558	1	Unnamed Stream	Unnamed
5037573	1	Unnamed Stream	Unnamed
5037639	1	Unnamed Stream	Unnamed
5037646	1	Unnamed Stream	Unnamed
5037673	1	Unnamed Trib to Artesian Brook	Unnamed
5037701	1	Unnamed Stream	Unnamed
5037708	1	Unnamed Stream	Unnamed
5037726	1	Unnamed Stream	Unnamed
5037762	1	Unnamed Stream	Unnamed
5037776	1	Unnamed Stream	Unnamed
5037784	1	Unnamed Stream	Unnamed
5037798	1	Unnamed Stream	Unnamed
5037807	1	Unnamed Stream	Unnamed
5037823	1	Unnamed Stream	Unnamed
5037843	1	Unnamed Stream	Unnamed
5037879	1	Unnamed Stream	Unnamed
5037890	1	Unnamed Stream	Unnamed
5037904	1	Unnamed Stream	Unnamed
5037941	1	Unnamed Stream	Unnamed
5037942	1	Unnamed Stream	Unnamed
5037957	1	Unnamed Stream	Unnamed
5038006	1	Unnamed Stream	Unnamed
5038067	1	Unnamed Stream	Unnamed

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5038073	1	Unnamed Stream	Unnamed
5038148	1	Unnamed Stream	Unnamed
5038183	1	Unnamed Stream	Unnamed
5038190	1	Unnamed Stream	Unnamed
5038215	1	Unnamed Stream	Unnamed
5038269	1	Unnamed Stream	Unnamed
5038381	1	Unnamed Stream	Unnamed
5038430	1	Unnamed Stream	Unnamed
5038447	1	Unnamed Stream	Unnamed
5038471	1	Unnamed Stream	Unnamed
5038472	1	Unnamed Stream	Unnamed
5038494	1	Unnamed Stream	Unnamed
5038520	1	Unnamed Stream	Unnamed
5038561	1	Unnamed Stream	Unnamed
5038673	1	Unnamed Stream	Unnamed
5038703	1	Unnamed Stream	Unnamed
5038842	1	Unnamed Stream	Unnamed
5039025	1	Unnamed Stream	Unnamed
5039464	1	Unnamed Stream	Unnamed
5039581	1	Unnamed Stream	Unnamed
5039803	1	Unnamed Stream	Unnamed
5040042	1	Unnamed Stream	Unnamed
5040108	1	Unnamed Stream	Unnamed
5576066	1	Local Water	Unnamed
5576154	1	Local Water	Unnamed
5576249	1	Local Water	Unnamed
5576338	1	Local Water	Unnamed
5576364	1	Local Water	Unnamed
5576490	1	Local Water	Unnamed
5576500	1	Local Water	Unnamed
5576505	1	Local Water	Unnamed
5576582	1	Local Water	Unnamed
5576628	1	Local Water	Unnamed
5576715	1	Local Water	Unnamed
5576798	1	Local Water	Unnamed

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5576816	1	Unnamed	Unnamed
5576836	1	Local Water	Unnamed
5576853	1	Unnamed Lake	Unnamed
5576909	1	Local Water	Unnamed
5576910	1	Local Water	Unnamed
5576918	1	Local Water	Unnamed
5576932	1	Local Water	Unnamed
5576976	1	Local Water	Unnamed
5576992	1	Unnamed Lake	Unnamed
5577015	1	Local Water	Unnamed
5577028	1	Local Water	Unnamed
5577044	1	Local Water	Unnamed
5577250	1	Local Water	Unnamed
5577287	1	Local Water	Unnamed
5577303	1	Local Water	Unnamed
5577323	1	Local Water	Unnamed
5577388	1	Local Water	Unnamed
5577458	1	Local Water	Unnamed
5577502	1	Local Water	Unnamed
5577654	1	Local Water	Unnamed
5577671	1	Local Water	Unnamed
5577786	1	Local Water	Unnamed
5577831	1	Local Water	Unnamed
5577926	1	Local Water	Unnamed
5577997	1	Local Water	Unnamed
5578044	1	Local Water	Unnamed
5578129	1	Local Water	Unnamed
5578138	1	Local Water	Unnamed
5578196	1	Local Water	Unnamed
5578204	1	Local Water	Unnamed
5578211	1	Local Water	Unnamed
5578224	1	Local Water	Unnamed
5578225	1	Local Water	Unnamed
5578227	1	Local Water	Unnamed
5578275	1	Local Water	Unnamed

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5578654	1	Local Water	Unnamed
5578756	1	Unnamed Lake	Unnamed
5579089	1	Local Water	Unnamed
5579133	1	Local Water	Unnamed
5591525	1	Buena Lake/Tichigan 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	Method 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
FX04 Lakes Chl a Report 2003 to 2013		WDNR	6/24/2014	
FX04 Lakes TP Report 2003 to 2013		WDNR	6/24/2014	
FX04 Streams TP Report 2003 to 2013		WDNR	6/24/2014	
Macroinvertebrate Assessment Package Chart FX04 2003 to 2013		WDNR	6/24/2014	
Macroinvertebrate Assessment Package Report FX04 2003 to 2013	Assessment package for watershed planning.	Ruth Person	7/16/2013	
Middle Fox River (FX04) Watershed Planning Basemap 2013	Middle Fox River (FX04) Watershed Planning Basemap 2013	Binder, Mark	3/1/2015	
Middle Fox River (FX04) Watershed Planning Dams and Outfalls 2013	Middle Fox River (FX04) Watershed Planning Dams and Outfalls 2013	Binder, Mark	3/1/2015	
Middle Fox River (FX04) Watershed Planning Land Use 2013	Middle Fox River (FX04) Watershed Planning Land Use 2013	Binder, Mark	3/1/2015	
Middle Fox River (FX04) Watershed Planning OERW 2013	Middle Fox River (FX04) Watershed Planning OERW 2013	Binder, Mark	3/1/2015	

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Middle Fox River (FX04) Watershed Planning PRWs 2013	Middle Fox River (FX04) Watershed Planning PRWs 2013	Binder, Mark	3/1/2015	
Middle Fox River (FX04) Watershed Planning Trout Streams 2013	Middle Fox River (FX04) Watershed Planning Trout Streams 2013	Binder, Mark	3/1/2015	
Middle Fox River (FX04) Watershed Planning Wetlands 2013	Middle Fox River (FX04) Watershed Planning Wetlands 2013	Binder, Mark	3/1/2015	
Middle Fox River (FX04) Watershed Table		Ruth Person	6/24/2014	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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