Upper Fox and Wolf River Basins Volunteer Monitoring Fact Sheet

The U.S Environmental Protection Agency (EPA) approved the Upper Fox and Wolf River Basins (UFW) Total Maximum Daily Load (TMDL) in 2020. The TMDL identifies the need for reductions in Total Phosphorus (TP) and Total Suspended Solids (TSS) in waterbodies throughout the basin to meet water quality standards. A total of 43 streams and rivers and 19 lakes and reservoirs are impaired for excess phosphorus, while a total of 19 streams and rivers are impaired for excess sediment. Phosphorus is an essential nutrient for plant growth, but can have detrimental effects on lakes, rivers, and streams when excess amounts are introduced. Common forms of pollutant delivery in these systems include surface runoff from urban and agricultural areas and discharges from wastewater treatment facilities, industrial businesses, and farms.

To assess long-term trends in water quality, 26 stream sites were chosen as part of the UFW Volunteer Monitoring Program to collect surface water samples throughout the UFW basin. There were 20 sites when the program started in 2020 and six have been added since, bringing the total to 26 sites. The UFW Volunteer Monitoring Program relies on volunteers to collect reliable data to assist the DNR in tracking water quality trends overtime. Volunteers collect water samples once per month, May through October. Samples are shipped to the State Lab of Hygiene in Madison and are analyzed for Total Phosphorus, Dissolved Reactive Phosphorus, Total Suspended Solids, and Total Nitrogen.

UFW Basin Facts:

- ➤ Watershed area: 5,900 square miles
- Covers 18 counties
- > Includes 5 tribal lands
- 32 Concentrated Animal Feeding Operations (CAFOs)
- 29 permitted Municipal Separate Storm Sewer System (MS4s*)
- > 78 dischargers (municipal and industrial)

Want to get involved or have questions? Contact:

Katherine Rynish

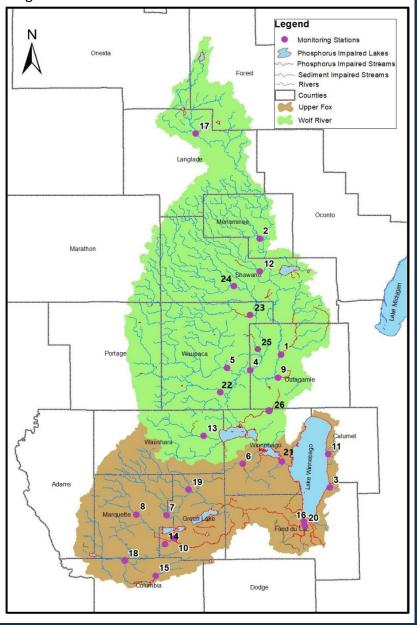
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See backside for exact sample locations.

*MS4s - municipal separate storm sewer system; municipalities with WPDES permits for stormwater management.



Stream Name	SWIMS ID	SWIMS Station Name	County	Latitude	Longitude
Shioc River	453030	Shioc River at STH 187	Outagamie	44.46438	-88.56017
West Branch Wolf River	403003	West Branch Wolf River at West Branch Rd	Menominee	44.94093	-88.66435
Pipe Creek	10016803	Pipe Creek- 30 ft above STH 151 Bridge	Fond du Lac	43.91841	-88.3103
Embarrass River	10033493	Embarrass River at New London STH 54	Outagamie	44.40595	-88.73024
Little Wolf River	693217	Little Wolf River at Royalton STH 54	Waupaca	44.41828	-88.85648
Waukau Creek	713285	Waukau Creek at CTH E USGS Site ID 04073970	Winnebago	44.01841	-88.7854
Mecan River	393005	Mecan River at CTH C	Marquette	43.81679	-89.20955
Montello River	10022879	Montello River at 11 th St Bridge USGS Site ID 04072845	Marquette	43.82047	-89.3575
Bear Creek	453259	Bear Creek at STH 76	Outagamie	44.36569	-88.57791
Grand River	243015	Grand River at CTH H Near Kingston, WI	Green Lake	43.71198	-89.1541
Mud Creek	083121	Mud Creek at Mud Creek Rd	Calumet	44.05352	-88.3171
Red River	10014632	Red River at Maple Ave	Shawano	44.80352	-88.65981
Pine River	10032735	Pine River at STH 49	Waushara	44.13583	-88.9962
Belle Fountain Creek	243028	Belle Fountain Creek at CTH B	Green Lake	43.70417	-89.21482
Fox River	10014339	Fox River at STH 33	Columbia	43.56994	-89.27703
West Branch Fond du Lac River	10037662	West Branch FDL at Forest Ave	Fond du Lac	43.77697	-88.4553
Wolf River	343057	Wolf River at CTH T	Langlade	45.36753	-89.01287
Neenah Creek	113070	Neenah Creek at CTH CM	Columbia	43.63128	-89.43518
White River	10041320	White River at White River Rd Landing	Green Lake	43.91748	-89.07898
East Branch Fond du Lac River	10014745	East Branch FDL at 12 th St	Fond du Lac	43.76557	-88.4511
Sawyer Creek	10034847	Sawyer Creek at N Westfield St	Winnebago	44.02862	-88.57722
Waupaca River	693020	Waupaca River at River Rd Weyauwega	Waupaca	44.31608	-88.90498
Pigeon River	693135	Pigeon River at Klemp Rd	Waupaca	44.62791	-88.73169
Embarrass River	593168	Embarrass River at CTH M	Shawano	44.74056	-88.80111
Boar Crook	10031787	Bear Creek at Stilen Rd	Outagamie	44.48167	-88.68143
Dear Creek	10031707	2001 010011 010011 110			30.002.0
	Shioc River West Branch Wolf River Pipe Creek Embarrass River Little Wolf River Waukau Creek Mecan River Montello River Bear Creek Grand River Mud Creek Red River Pine River Belle Fountain Creek Fox River West Branch Fond du Lac River Wolf River Neenah Creek White River East Branch Fond du Lac River Sawyer Creek Waupaca River Pigeon River Embarrass River	Name ID Shioc River 453030 West Branch Wolf River 403003 Pipe Creek 10016803 Embarrass River 10033493 Little Wolf River 693217 Waukau Creek 713285 Mecan River 393005 Montello River 10022879 Bear Creek 453259 Grand River 243015 Mud Creek 083121 Red River 10014632 Pine River 10032735 Belle Fountain Creek 100328 Fox River 10037662 Fond du Lac River 343057 Neenah Creek 113070 White River 10041320 East Branch Fond du Lac River 10034847 Waupaca River 693020 Pigeon River 693135 Embarrass River 593168	NameIDShioc River453030Shioc River at STH 187West Branch Wolf River403003West Branch Wolf River at West Branch RdPipe Creek10016803Pipe Creek- 30 ft above STH 151 BridgeEmbarrass River10033493Embarrass River at New London STH 54Little Wolf River693217Little Wolf River at Royalton STH 54Waukau Creek713285Waukau Creek at CTH E USGS Site ID 04073970Mecan River393005Mecan River at CTH CMontello River10022879Montello River at 11th St Bridge USGS Site ID 04072845Bear Creek453259Bear Creek at STH 76Grand River243015Grand River at CTH H Near Kingston, WIMud Creek083121Mud Creek at Mud Creek RdRed River10014632Red River at Maple AvePine River10032735Pine River at STH 49Belle Fountain Creek243028Belle Fountain Creek at CTH BFox River10014339Fox River at STH 33West Branch Fond du Lac River10037662West Branch FDL at Forest AveFond du Lac River113070Neenah Creek at CTH CMWhite River10041320White River at White River Rd LandingEast Branch Fond du Lac River10014745East Branch FDL at 12th StFond du Lac River693020Waupaca River at River Rd WeyauwegaPigeon River693135Pigeon River at Klemp Rd	NameIDShioc River453030Shioc River at STH 187OutagamieWest Branch Wolf River403003West Branch Wolf River at West Branch RdMenomineePipe Creek10016803Pipe Creek- 30 ft above STH 151 BridgeFond du Lac BridgeEmbarrass River Embarrass River10033493Embarrass River at New London STH 54Outagamie WaupacaLittle Wolf River693217Little Wolf River at Royalton STH 54WaupacaWaukau Creek713285Waukau Creek at CTH E USGS Site ID 04073970MarquetteMecan River393005Mecan River at CTH CMarquetteMontello River10022879Montello River at 11th St Bridge USGS Site ID 04072845MarquetteBear Creek453259Bear Creek at STH 76OutagamieGrand River243015Grand River at CTH H Near Kingston, WIGreen LakeMud Creek083121Mud Creek at Mud Creek RdCalumetRed River1004632Red River at Maple AveShawanoPine River10032735Pine River at STH 49WausharaBelle Fountain Creek10032735West Branch FDL at Forest AveFond du Lac RiverWolf River343057Wolf River at CTH TLangladeNeenah Creek113070Neenah Creek at CTH CMColumbiaWhite River10041320White River at White River Rd LandingGreen Lake LandingEast Branch Fond du Lac River10044745East Branch FDL at 12th StFond du Lac Fond du Lac R	Name ID Shioc River 453030 Shioc River at STH 187 Outagamie 44.46438 West Branch Wolf River at West Branch Wolf River at West Branch Wolf River 403003 West Branch Wolf River at New Indom Branch Rd 44.94093 Pipe Creek 10016803 Pipe Creek-30 ft above STH 151 Bridge Fond du Lac 43.91841 Embarrass River 10033493 Embarrass River at New London STH 54 Outagamie 44.40595 Little Wolf River 693217 Little Wolf River at Royalton STH 54 Waupaca 44.41828 Waukau Creek 713285 Waukau Creek at CTH E USGS Site ID 04073970 Winnebago 44.01841 Mecan River 393005 Mecan River at CTH C Marquette 43.81679 Montello River 10022879 Montello River at 11° St Bridge USGS Site ID 04072845 Marquette 43.82047 Bear Creek 453259 Bear Creek at STH 76 Outagamie 44.36569 Grand River 243015 Grand River at CTH H Near Kingston, WI Kingston, WI 44.03532 Mud Creek 083121 Mud Creek at Mud Creek Rd Calumet 44.035

^{*}SWIMS – Surface Water Integrated Monitoring System; a Wisconsin DNR information system that holds chemistry (water, sediment), physical, and biological (macroinvertebrate, aquatic invasive species) surface water data.

More information can be found at:

https://dnr.wisconsin.gov/topic/TMDLs/FoxWolf/VolunteerMonitoring.html