

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:

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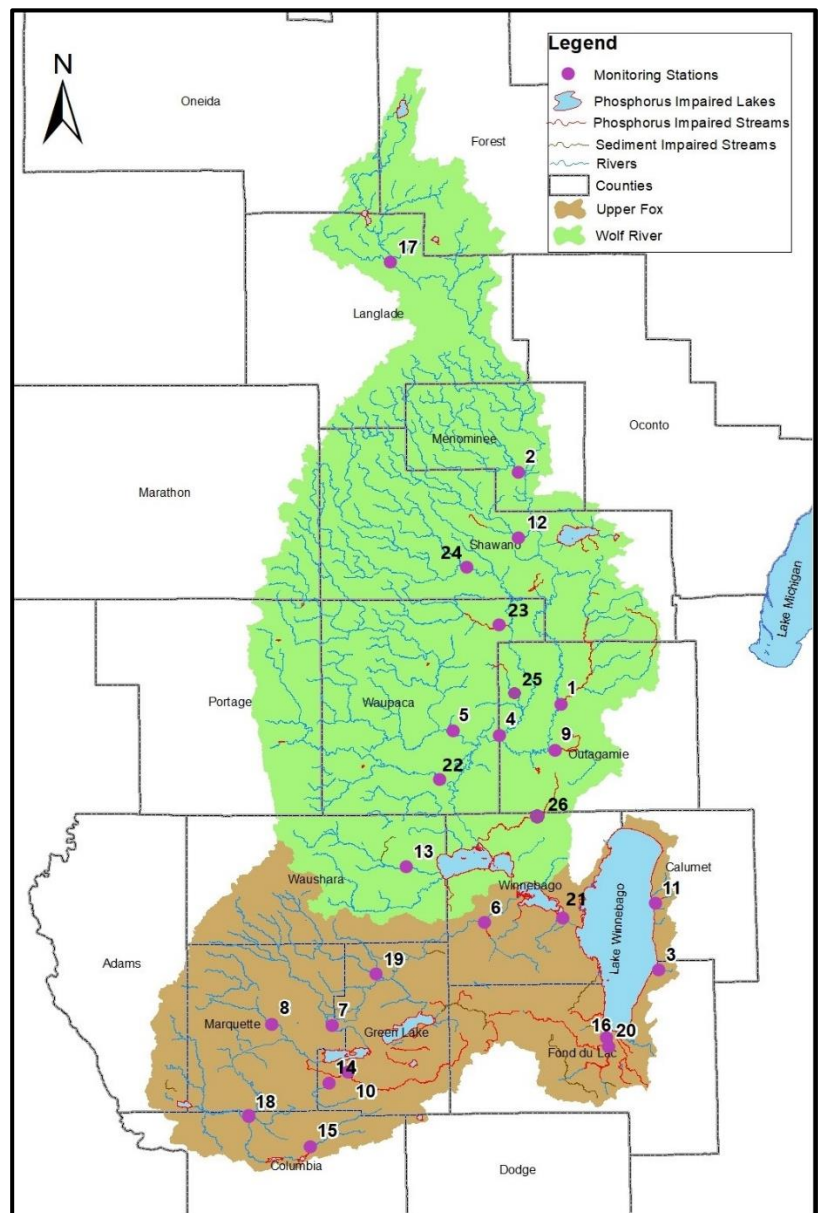
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See backside for exact sample locations.

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



	<i>Stream Name</i>	<i>SWIMS ID</i>	<i>SWIMS Station Name</i>	<i>County</i>	<i>Latitude</i>	<i>Longitude</i>
1	Shioc River	453030	Shioc River at STH 187	Outagamie	44.46438	-88.56017
2	West Branch Wolf River	403003	West Branch Wolf River at West Branch Rd	Menominee	44.94093	-88.66435
3	Pipe Creek	10016803	Pipe Creek- 30 ft above STH 151 Bridge	Fond du Lac	43.91841	-88.3103
4	Embarrass River	10033493	Embarrass River at New London STH 54	Outagamie	44.40595	-88.73024
5	Little Wolf River	693217	Little Wolf River at Royalton STH 54	Waupaca	44.41828	-88.85648
6	Waukau Creek	713285	Waukau Creek at CTH E USGS Site ID 04073970	Winnebago	44.01841	-88.7854
7	Mecan River	393005	Mecan River at CTH C	Marquette	43.81679	-89.20955
8	Montello River	10022879	Montello River at 11 th St Bridge USGS Site ID 04072845	Marquette	43.82047	-89.3575
9	Bear Creek	453259	Bear Creek at STH 76	Outagamie	44.36569	-88.57791
10	Grand River	243015	Grand River at CTH H Near Kingston, WI	Green Lake	43.71198	-89.1541
11	Mud Creek	083121	Mud Creek at Mud Creek Rd	Calumet	44.05352	-88.3171
12	Red River	10014632	Red River at Maple Ave	Shawano	44.80352	-88.65981
13	Pine River	10032735	Pine River at STH 49	Waushara	44.13583	-88.9962
14	Belle Fountain Creek	243028	Belle Fountain Creek at CTH B	Green Lake	43.70417	-89.21482
15	Fox River	10014339	Fox River at STH 33	Columbia	43.56994	-89.27703
16	West Branch Fond du Lac River	10037662	West Branch FDL at Forest Ave	Fond du Lac	43.77697	-88.4553
17	Wolf River	343057	Wolf River at CTH T	Langlade	45.36753	-89.01287
18	Neenah Creek	113070	Neenah Creek at CTH CM	Columbia	43.63128	-89.43518
19	White River	10041320	White River at White River Rd Landing	Green Lake	43.91748	-89.07898
20	East Branch Fond du Lac River	10014745	East Branch FDL at 12 th St	Fond du Lac	43.76557	-88.4511
21	Sawyer Creek	10034847	Sawyer Creek at N Westfield St	Winnebago	44.02862	-88.57722
22	Waupaca River	693020	Waupaca River at River Rd Weyauwega	Waupaca	44.31608	-88.90498
23	Pigeon River	693135	Pigeon River at Klemp Rd	Waupaca	44.62791	-88.73169
24	Embarrass River	593168	Embarrass River at CTH M	Shawano	44.74056	-88.80111
25	Bear Creek	10031787	Bear Creek at Stilen Rd	Outagamie	44.48167	-88.68143
26	Rat River	10059500	Rat River at CTH M	Winnebago	44.23240	-88.64630

*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>