

Northeast Lakeshore Volunteer Monitoring Fact Sheet

The Northeast Lakeshore Total Maximum Daily Load (TMDL) was approved on October 30, 2023. The TMDL identifies the need for pollutant reductions in waterbodies throughout the basin to meet water quality standards. There are 51 stream segments and 12 lakes in the Northeast Lakeshore region listed as impaired due to excess phosphorus and/or sediment loading.

Phosphorus is an essential nutrient for plant growth, but can have detrimental effects on lakes, rivers, and streams when excessive amounts are introduced to these systems. 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. Excess phosphorus in a river system can potentially create harmful algal blooms during the summer months which impact human, plant, and animal life.

The Northeast Lakeshore Volunteer Monitoring Program began in 2023 to help achieve the monitoring goals outlined in the TMDL. The program started with 12 stream monitoring sites. Seven sites were added in 2024, bringing the total to 19 sites across 17 rivers and streams. Volunteers are relied upon to collect surface water samples following WDNR protocol on a monthly basis between the months of May and October. Water samples are shipped to the State Lab of Hygiene in Madison and are analyzed for Total Phosphorus, Total Suspended Solids, and Total Nitrogen.

Northeast Lakeshore Facts:

- Watershed area: ~2,000 square miles
- Includes 8 counties (Brown, Calumet, Door, Fond du Lac, Kewaunee, Manitowoc, Ozaukee, and Sheboygan)
- 63 impaired waterbody segments
- 69 Concentrated Animal Feeding Operations (CAFOs)
- 10 MS4s*
- 49 Dischargers
 - 32 municipal
 - 17 industrial

Want to get involved or have questions? Contact:

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Water Resource Management Specialist

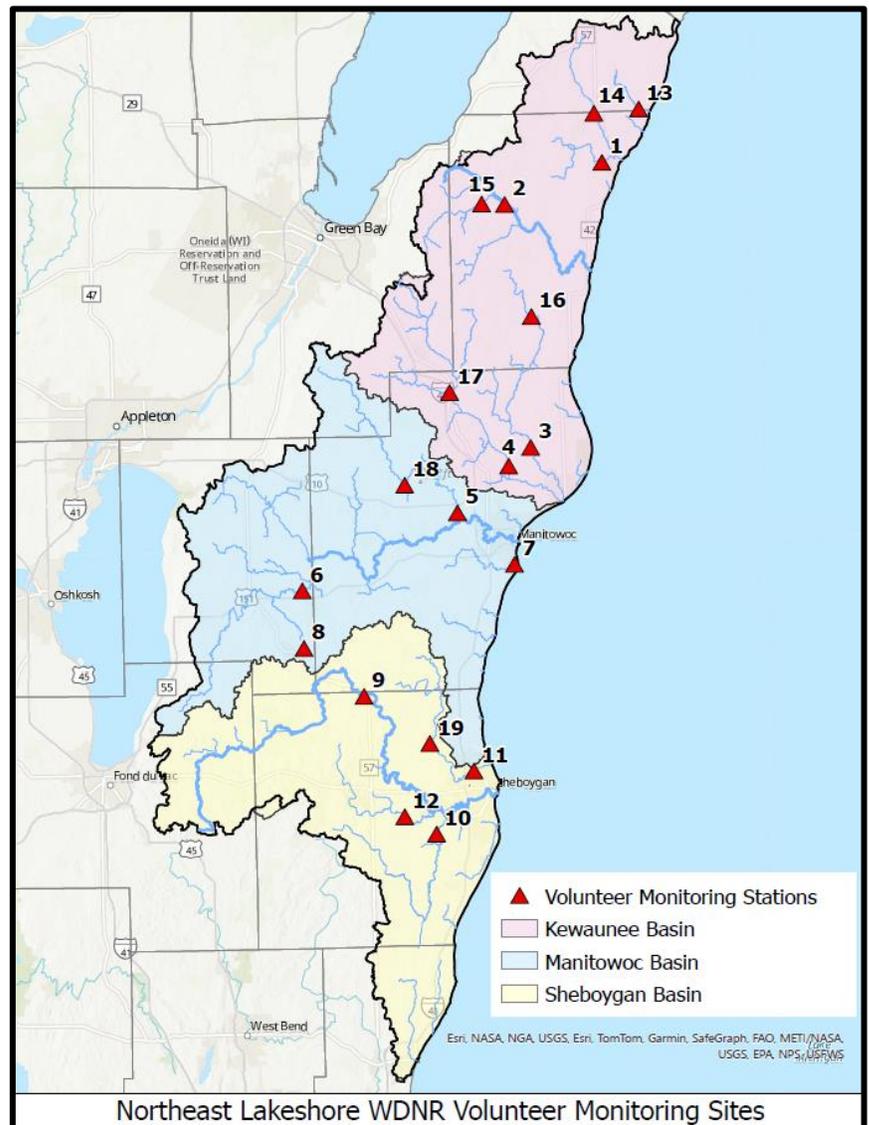
Natural Resource Program Coordinator

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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>WBIC</i> | <i>SWIMS ID</i> | <i>SWIMS Station Name</i> | <i>Latitude</i> | <i>Longitude</i> | <i>Impairment</i> |
|-----------|------------------------------|-------------|-----------------|--|-----------------|------------------|-------------------|
| 1 | Silver Creek | 94900 | 10020779 | Silver Creek at Willow Rd | 44.60788 | -87.47114 | TP |
| 2 | Kewaunee River | 90700 | 10029954 | Kewaunee River at Hillside Rd | 44.55438 | -87.65939 | TP |
| 3 | East Twin River | 84000 | 10008207 | East Twin River at Steiners Corners Rd | 44.22131 | -87.62302 | TP |
| 4 | West Twin River | 87000 | 10029482 | West Twin River at CTH V | 44.19678 | -87.66578 | TP |
| 5 | Branch River | 71300 | 363299 | Branch River at N Union Rd | 44.13479 | -87.76542 | TP |
| 6 | South Branch Manitowoc River | 77900 | 363375 | South Branch Manitowoc River at Lemke Rd | 44.03367 | -88.06298 | TP |
| 7 | Silver Creek | 67300 | 363228 | Silver Creek at CTH LS | 44.06227 | -87.65994 | TP |
| 8 | Pine Creek | 79900 | 10020831 | Pine Creek at CTH T | 43.9548 | -88.06231 | TP |
| 9 | Sheboygan River | 50700 | 10021359 | Sheboygan River at STH 57 | 43.8873 | -87.95099 | TP |
| 10 | Onion River | 51200 | 603480 | Onion River at Ourtown Rd | 43.69669 | -87.82086 | TP |
| 11 | Pigeon River | 62300 | 603294 | Pigeon River at STH 42 | 43.78144 | -87.74747 | TP |
| 12 | Mullet River | 53400 | 10049358 | Mullet River at Sumac Rd | 43.72143 | -87.88 | TP |
| 13 | Stony Creek | 96100 | 10051616 | Stony Creek at CTH S (C) | 44.67920 | -87.39765 | TP and TSS |
| 14 | Ahnapee River | 94800 | 10059774 | Ahnapee River at Blahnik Park | 44.64342 | -87.46655 | Unknown Pollutant |
| 15 | School Creek | 92200 | 10020829 | School Creek-100 Feet Below Bridge Off Rendezvous Road | 44.54725 | -87.72383 | TP |
| 16 | East Twin River | 84000 | 10008204 | East Twin River at CTH J | 44.40007 | -87.61436 | TP |
| 17 | Devils River | 89900 | 10039193 | Devils River at CTH R | 44.29954 | -87.77419 | TP |
| 18 | Branch River | 71300 | 10016958 | Branch River at CTH J | 44.17371 | -87.86216 | TP |
| 19 | Fisher Creek | 62500 | 10033781 | Fisher Creek- Upstream of STH 32 | 43.82052 | -87.82895 | TP |

*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/NElakeshore/VolunteerMonitoring.html>