

# **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:**

Katherine Rynish

Water Resource Management Specialist

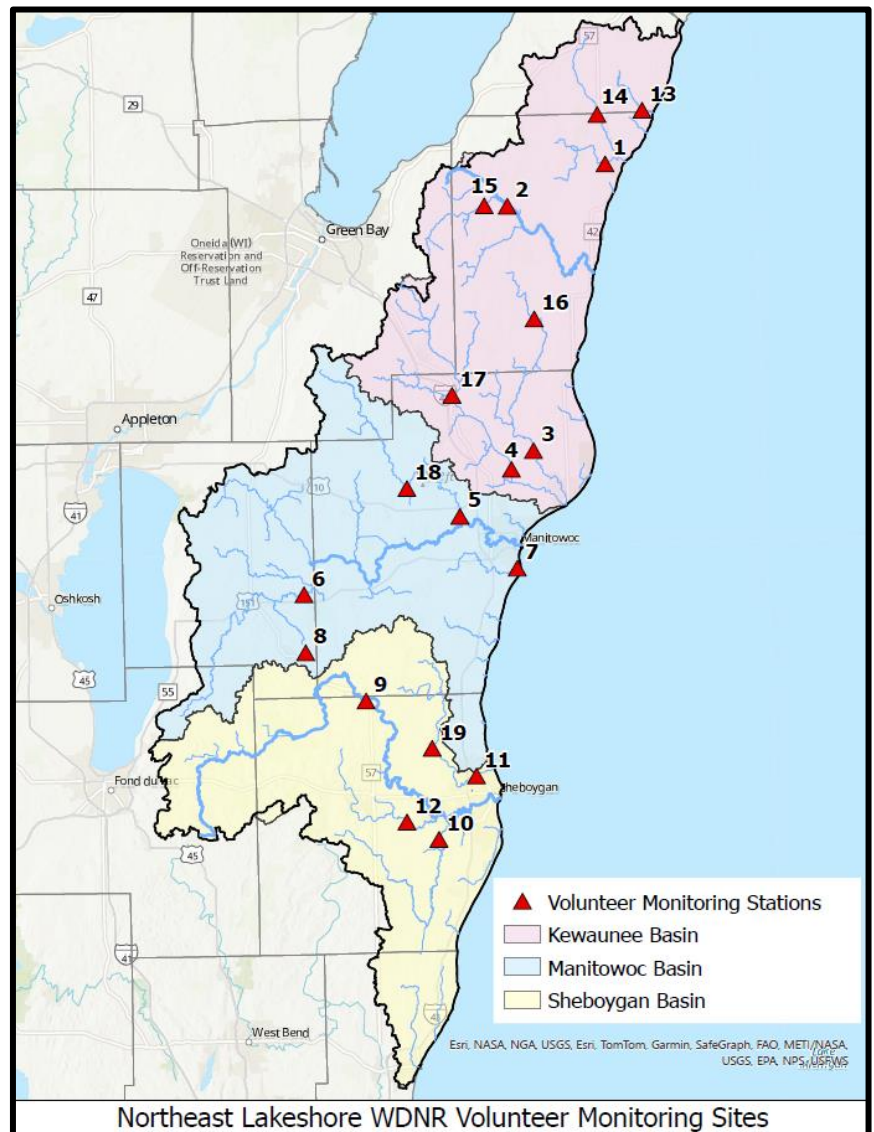
Natural Resource Program Coordinator

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See backside for exact sample locations.

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



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