

# Lower Fox River Basin Volunteer Monitoring Fact Sheet

In 2012, the U.S Environmental Protection Agency (EPA) approved the Lower Fox River Total Maximum Daily Load (TMDL). The TMDL identifies the need for pollutant reductions in waterbodies throughout the basin to meet water quality standards. There are 27 stream segments in the Lower Fox basin 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 create harmful algal blooms during the summer months which impact human, plant, and animal life.

In 2015, the Lower Fox River Volunteer Monitoring Program began to help achieve the monitoring goals outlined in the TMDL. There are 20 stream monitoring locations total across 16 tributary streams which are monitored by citizen volunteers. 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.

## Lower Fox Basin Facts:

- Watershed area: 641 square miles (403,657 acres)
- Includes 4 counties (Brown, Outagamie, Calumet, Winnebago) and Oneida Tribal Land
- 27 impaired waterbody segments
- Approx. 300 farms
- 29 MS4s\*
  - 14 municipal
  - 18 industrial
- 32 Dischargers

## Want to get involved or have questions? Contact:

Katherine Rynish

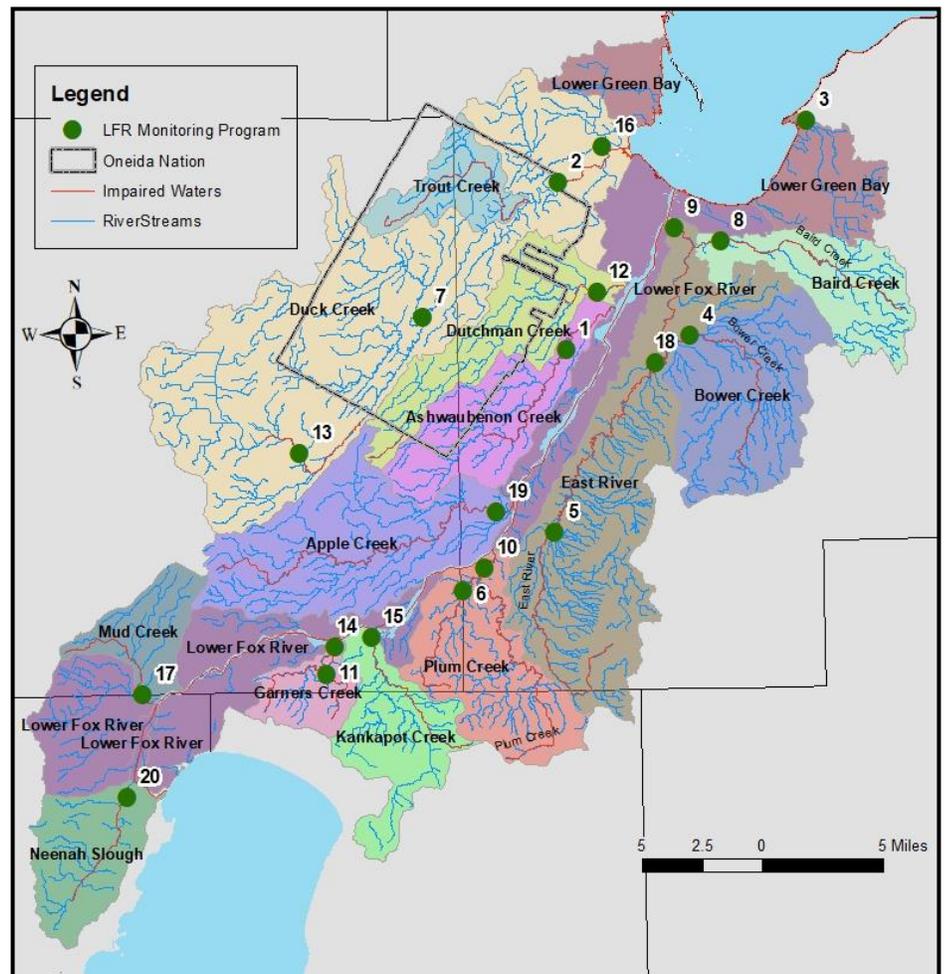
Water Resource Management Specialist

Natural Resource Program Coordinator

Phone: (920) 296-5126

Email: [Katherine.Rynish@wisconsin.gov](mailto:Katherine.Rynish@wisconsin.gov)

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>
<b>1</b>	<b>Ashwaubenon Creek</b>	122200	10016502	Ashwaubenon Creek at Grant Street	44.44508	-88.09875	TP and TSS
<b>2</b>	<b>Lower Duck Creek</b>	409700	10038644	Duck Creek at Pamperin Park	44.54773	-88.10285	TP and TSS
<b>3</b>	<b>Wequiock Creek</b>	3000022	10010769	Wequiock Creek at Nicolet Rd/CTH A	44.57651	-87.89083	
<b>4</b>	<b>Bower Creek</b>	118400	10009445	Bower Creek (1) 50m Upstream of CTH GV	44.45179	-87.99543	TP and TSS
<b>5</b>	<b>Upper East River</b>	118000	053508	East River at Mallard Rd	44.33542	-88.11198	TP and TSS
<b>6</b>	<b>West Plum Creek</b>	125200	10016494	West Plum Creek Downstream of County Line Rd	44.30296	-88.18901	TP
<b>7</b>	<b>Mid Duck Creek</b>	409700	453255	Duck Creek at Seminary Rd	44.46608	-88.21892	TP and TSS
<b>8</b>	<b>Baird Creek</b>	118100	053683	Baird Creek at Preble WI	44.50741	-87.96754	TP and TSS
<b>9</b>	<b>East River</b>	118000	10043279	East River at Harold Lewis Trail off Main Street	44.51633	-88.00587	TP and TSS
<b>10</b>	<b>Plum Creek</b>	125100	10046999	Plum Creek at VandeHey Farm Crossing	44.31540	-88.17154	TP and TSS
<b>11</b>	<b>Tributary to Garner's Creek</b>	5022162	10047157	Trib. to Garner's Creek at CTH CE	44.25392	-88.30658	TP
<b>12</b>	<b>Dutchman Creek</b>	121600	10015851	Dutchman Creek at Oneida Street	44.47859	-88.0723	TP
<b>13</b>	<b>Upper Duck Creek</b>	409700	10029975	Duck Creek at CTH S	44.38665	-88.32509	TP and TSS
<b>14</b>	<b>Garner's Creek</b>	127700	10043028	Garner's Creek Downstream of CTH Z	44.2701	-88.29816	TP and TSS
<b>15</b>	<b>Kankapot Creek</b>	126800	453261	Kankapot Creek at CTH Z Dodge St 100 Ft upstream of Bridge	44.27504	-88.26778	TP and TSS
<b>16</b>	<b>Lancaster Creek</b>	410000	10034510	Unnamed Trib. (410000) at Lakeview Dr	44.56583	-88.06471	
<b>17</b>	<b>Mud Creek</b>	129500	453258	Mud Creek at CTH BB	44.24417	-88.46037	TP and TSS
<b>18</b>	<b>East River</b>	118000	053675	East River at CTH G	44.43550	-88.02457	TP and TSS
<b>19</b>	<b>Apple Creek</b>	124100	053684	Apple Creek at Rosin Rd	44.34861	-88.16119	TP and TSS
<b>20</b>	<b>Neenah Slough</b>	130800	10032175	Neenah Slough #2 (100ft S of Adams St)	44.18274	-88.47481	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/LowerFox/VolunteerMonitoring.html>