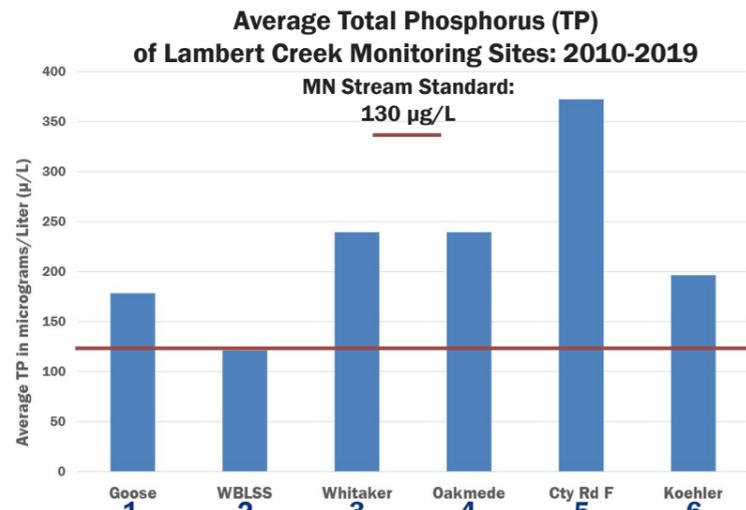


# Lambert Creek



Lambert Creek is impaired for high bacteria, and although not officially impaired for nutrients, the overall creek results show it's above the state standard. Water samples from six sites are taken along the creek every other week from May to September (locations mapped on right). E. coli bacteria has been detected as largely avian and canine.

**Waterbody impairments:** VLAWMO has seven lakes and one creek impaired under MN water quality standards (right). For a lake to be listed as "impaired", it must show a trend in being above state standards in two of three readings: Chl-A, TP, and/or Secchi disk (turbidity). Deep and shallow lakes have different standards for impairment. Pleasant and East Vadnais Lakes are deep lakes primarily monitored by the Saint Paul Regional Water Services.

## Remote Sensors

To better understand and evaluate the needs of Lambert Creek, VLAWMO has installed four new monitoring devices at existing monitoring locations along the creek. Each station is equipped with a sensor that is programmed to take readings of the water levels every 15 minutes. Data from the sensor is sent to a cellular service account, which is then sent to our on-line portal. Stream flow, depth, and macroinvertebrate sampling data from the four creek sites is publicly available through the Monitor My Watershed web portal, linked from our website: <http://www.vlawmo.org/waterbodies/lambert-creek/>

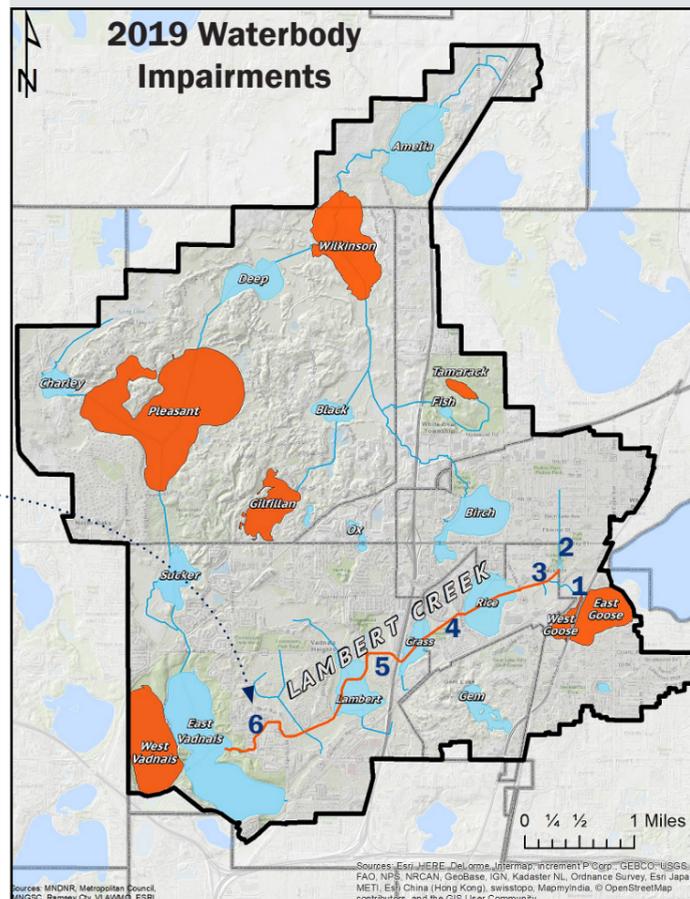
Below: The distance reading indicates creek depth - the distance from the sensor to the water surface.



Right: The discharge reading tells the volume of water moving beneath the sensor at that site.



Visit [VLAWMO.org/get-involved](http://VLAWMO.org/get-involved) to see how you can be a part of the solution!



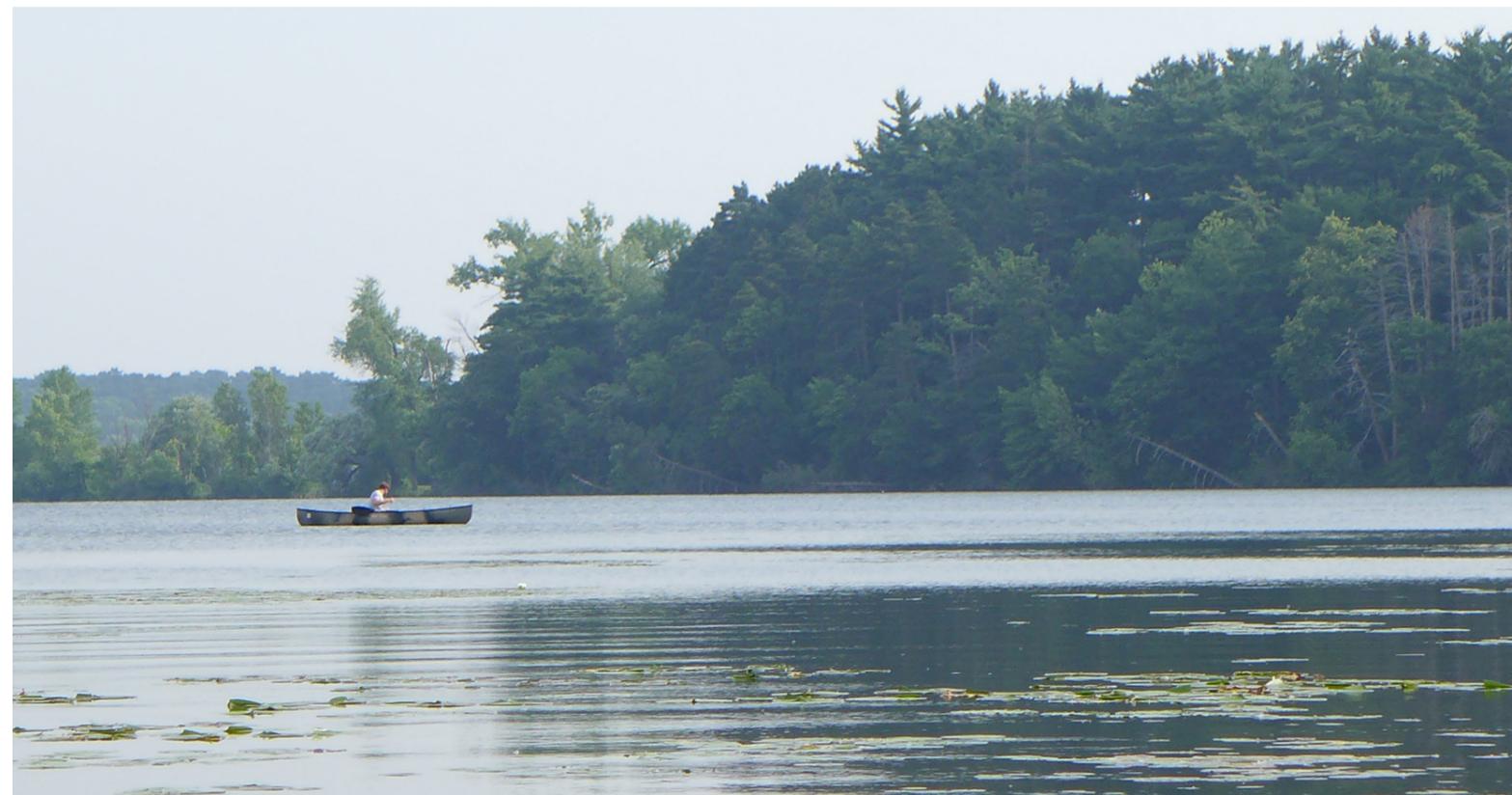
Above: Anthony Aufdenkampe of LimnoTech guides VLAWMO staff in assembling remote sensor devices.



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Vadnais Lake Area Water Management Organization

## 2019 Water Monitoring Summary



### VLAWMO's monitoring program consists of:

- 12 Lakes: *Grab samples*
- Lambert Creek: *Grab samples, remote sensors*
- Water quality sampling every other week from May to September: *Phosphorus, nitrates, chlorophyll-A, chloride, turbidity, bacteria, pH, and storm sampling*



See the complete report at [www.VLAWMO.org/resources/reports](http://www.VLAWMO.org/resources/reports)

