



Tests of Area Lake Water -- 2017 Report

INDIVIDUAL LAKE TSI VALUES

- 50+** Arrowhead, Mary, Emily, Kego
Daggett, Mitchell, Smokey Hollow
- 48-49** Upper Whitefish, Upper Hay, E. Eagle
N. Roosevelt, Lawrence, Main Eagle
- 46-47** Big Pine, S. Roosevelt, Levitt, W. Eagle
- 42-45** L. Whitefish, M. Whitefish, L. Hay
Bertha, Clamshell, Cross, Rush
East + West Fox, Velvet, Island, Pig
Goodrich, Ruth, Butterfield, Wood
- 40-41** Ossawinnamakee, Big Trout, Clear
- 36-39** O'Brien, Ox, Kimble, Star

Average Trophic State Index Values (TSI) 2012-2016*

HOW CAN I HELP THE LAKE?

- Divert lawn/driveway rain water from the lake.
- Water runoff carries gas, oil, antifreeze, organic matter, pesticides, herbicides, and sediments carrying phosphorus.
- Buffer strips of vegetation slow water runoff and act as a filter for harmful substances.

A lower TSI number is better with less algae and clearer water.

5 Reasons to work for a lower TSI

<p style="color: blue; font-weight: bold; margin: 0;">LOWER TSI</p> <p style="font-size: small; margin: 0;">clearer water less algae desirable for swimming more oxygen in water game fish like this water</p>	<p style="color: red; font-weight: bold; margin: 0;">HIGHER TSI</p> <p style="font-size: small; margin: 0;">cloudier water more green algae less/no swimming less oxygen in water rough fish tendency</p>
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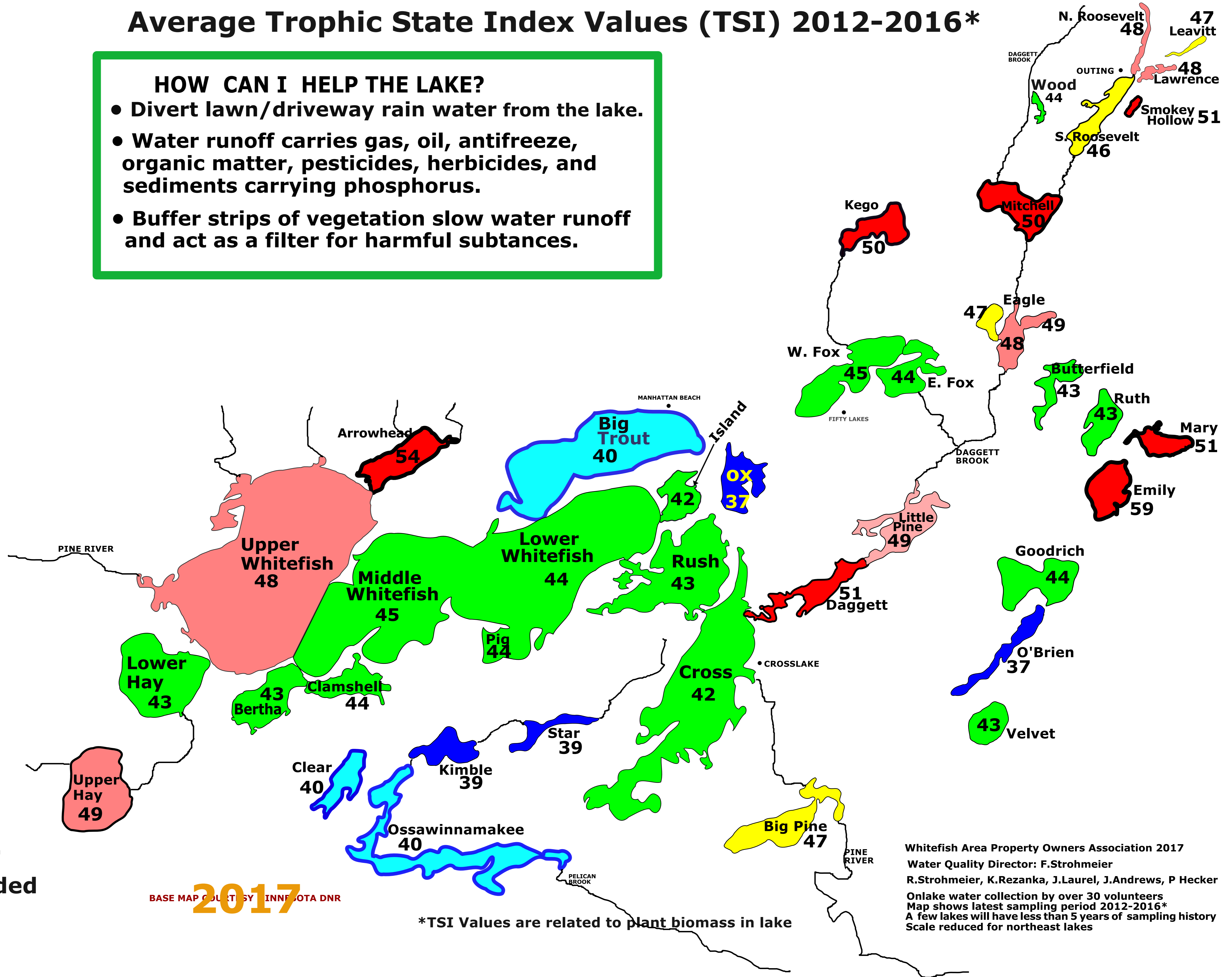
WAPOA tests water on over 30 lakes. The result is a "TSI number."

For every 1 point increase in TSI there is a 10% increase in algae in the water.

Rain water running from lawn to lake carries phosphorus bound to sediment.

Phosphorus is needed to produce algae.

Your lawn's 1 pound of phosphorus, added to the lake, can result in the production of 500 pounds of algae in the lake.



2017

BASE MAP COURTESY INNF/OTA DNR

*TSI Values are related to plant biomass in lake

Whitefish Area Property Owners Association 2017
Water Quality Director: F.Strohmeier
R.Strohmeier, K.Rezanka, J.Laurel, J.Andrews, P Hecker
Onlake water collection by over 30 volunteers
Map shows latest sampling period 2012-2016*
A few lakes will have less than 5 years of sampling history
Scale reduced for northeast lakes