

EAST VADNAIS



QUICK FACTS

Lake Catchment Area	889 acres
Surface Area	389 acres
Maximum Depth	58 ft

Invasive Species (2015)
Zebra mussels, Eurasian water-milfoil, Curly-leaf Pondweed, Common carp

Common Fish
Walleye, Lg/Sm Bass, Pike, Bullhead, Catfish, White Bass, Sucker, Perch, Bluegill

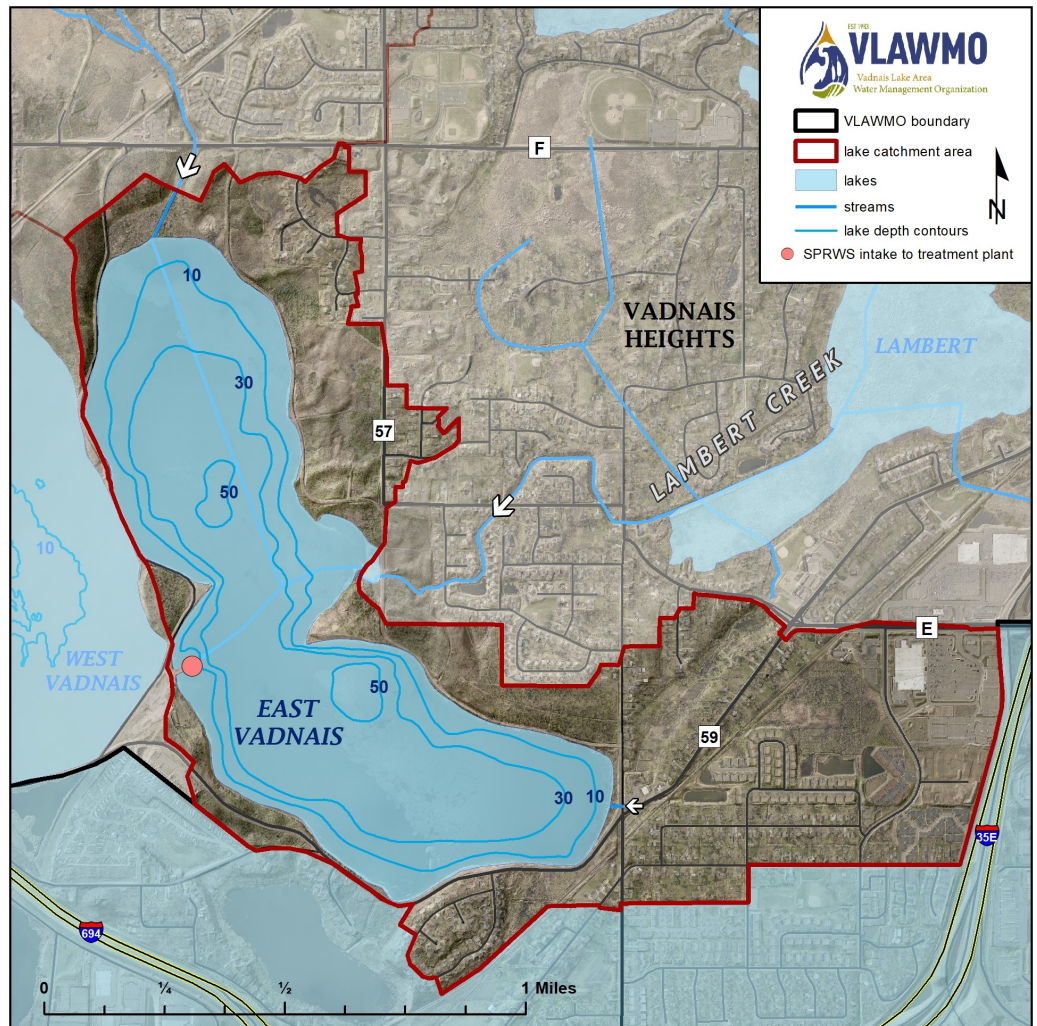
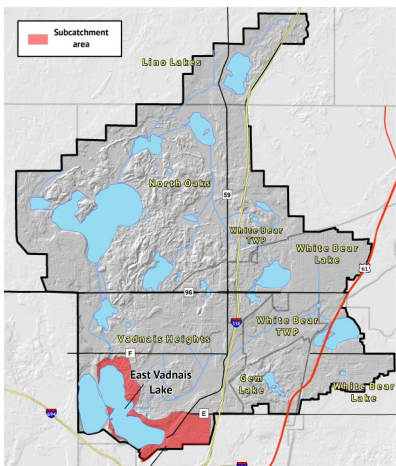
LAKE SUMMARY:

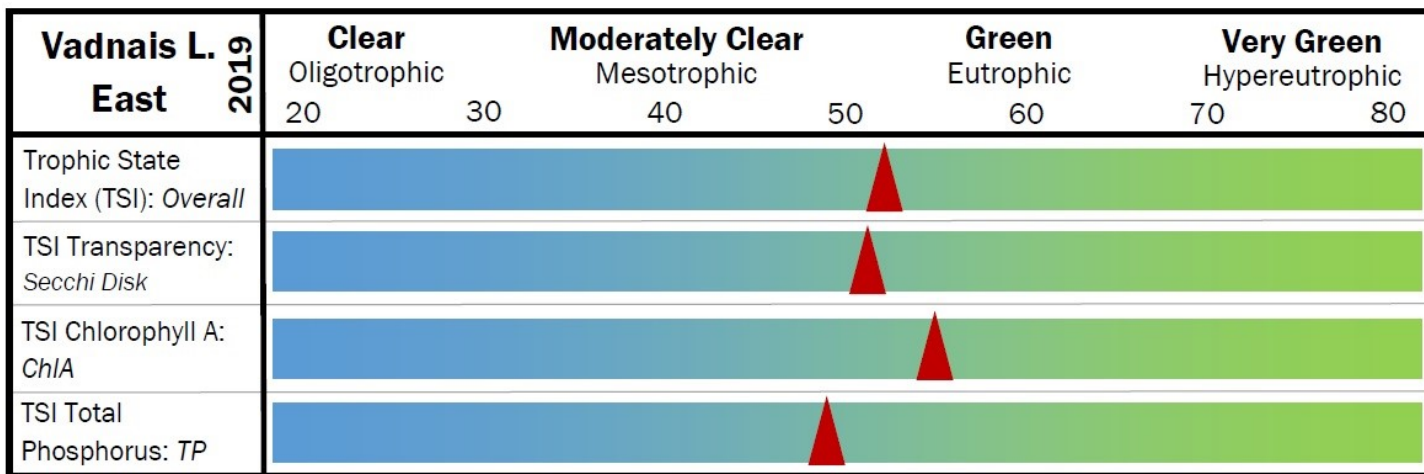
East Vadnais Lake is the drinking water reservoir for the City of Saint Paul and several surrounding suburbs. It receives water from the Mississippi River via a chain of lakes (Charley, Pleasant, Sucker, Vadnais). It is managed and monitored by the Saint Paul Regional Water Services (SPRWS). Water exits the lake through an underground pipe to the water treatment plant in Roseville. From the treatment plant, water is distributed to over

446,000 residents and businesses. No recreational use is allowed on the lake except for shoreline fishing. An oxygenation/aeration system is used in the lake to help reduce TP levels.

The lake is a popular waterfowl destination during Spring and Fall migrations, attracting rare species and diverse diving ducks.

Common Vegetation
Coontail, Flat-stem pondweed, Duckweeds, White Water Crowfoot, Northern Watermilfoil, White Water-lily, Wild Celery, Watermeal





Trophic State Index (TSI): A TSI rating is an additional calculation based on the lake data averages. These values are used in water management to compare lakes using a consistent scale.

NUTRIENT SUMMARY:

Average East Vadnais nutrient levels are below State standards. Unlike Total Phosphorus (TP) and Chlorophyll-A (Chl-A), Secchi high readings are positive for water quality. Secchi readings above state standards indicate that visibility into the water is deeper than the standard depth. An outlying spike in TP levels in 2018 is something to be monitored in future years. The Saint Paul Regional Water Services aerates East Vadnais to keep TP levels down.



Protected Park Land:

High quality habitat surrounding Vadnais Lake helps protect Saint Paul drinking water resources and supports wildlife.

A 2019 remote-camera survey revealed otters, coyotes, trumpeter swans, fox, and several other species.

2019 frog and toad call surveys showed eight species of frog including Boreal chorus frog, Cope's gray tree frog, Northern leopard frog, wood frog, and others.

FISH SUMMARY:

Due to Vadnais Lake's connection to the Mississippi, a wide variety of fish can be found in the lake. No boats are permitted on the lake, but fishing from shore is allowed. Fish found in East Vadnais include:

- Walleye
- Northern pike
- Largemouth bass
- Bluegill
- Crappie
- Bullhead
- Yellow perch
- Smallmouth bass
- White bass
- Common carp (invasive)

Visit VLAWMO.org/resources/reports for these and other watershed reports and studies.