

AMELIA LAKE



QUICK FACTS

Lake Catchment Area	754 acres
Surface Area	195 acres
Maximum Depth	4 ft
Average Depth	3 ft

Common Fish

Unknown

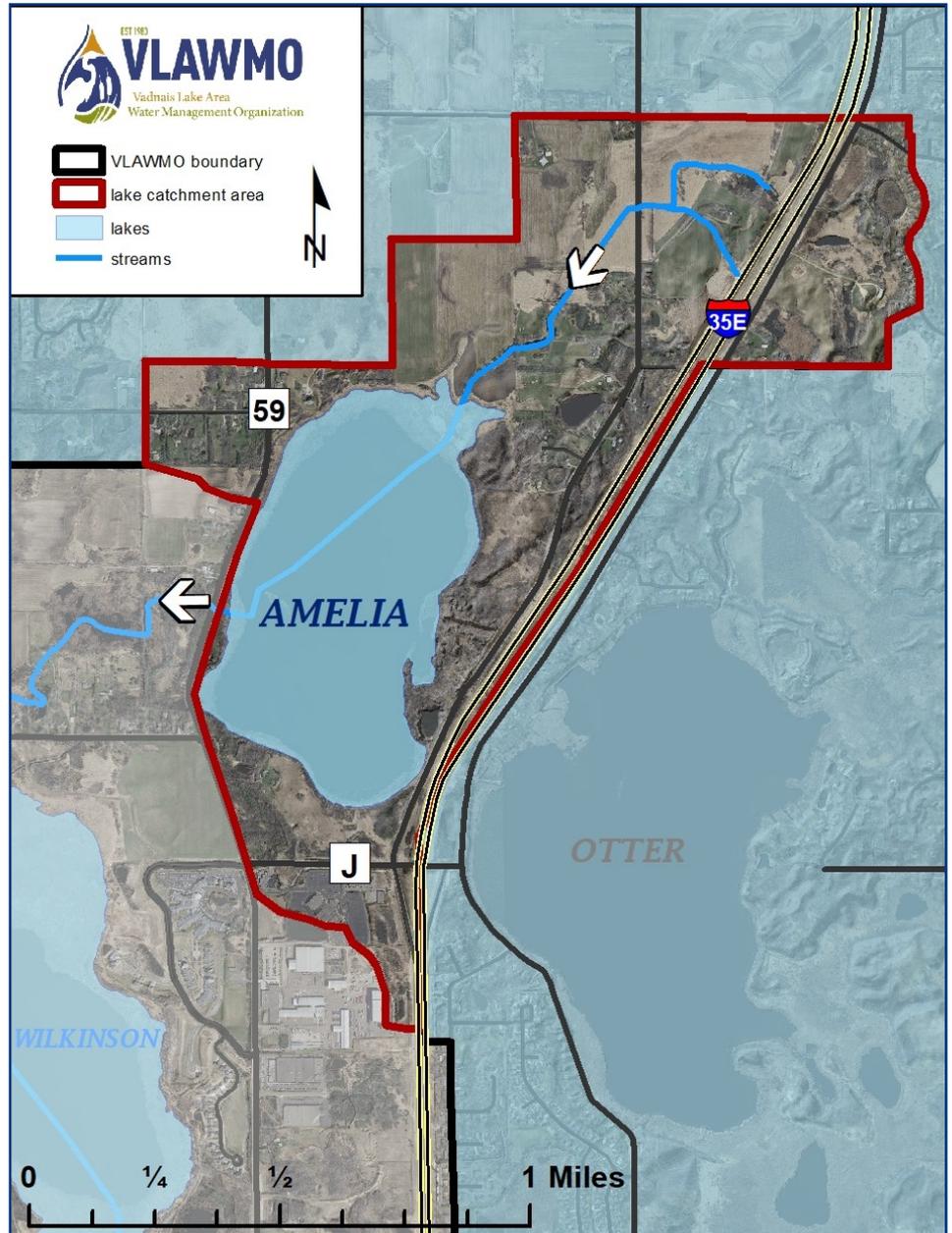
Vegetation Notes

Water willow (species of concern)

Invasive Species

Flowering rush,
Purple loosestrife

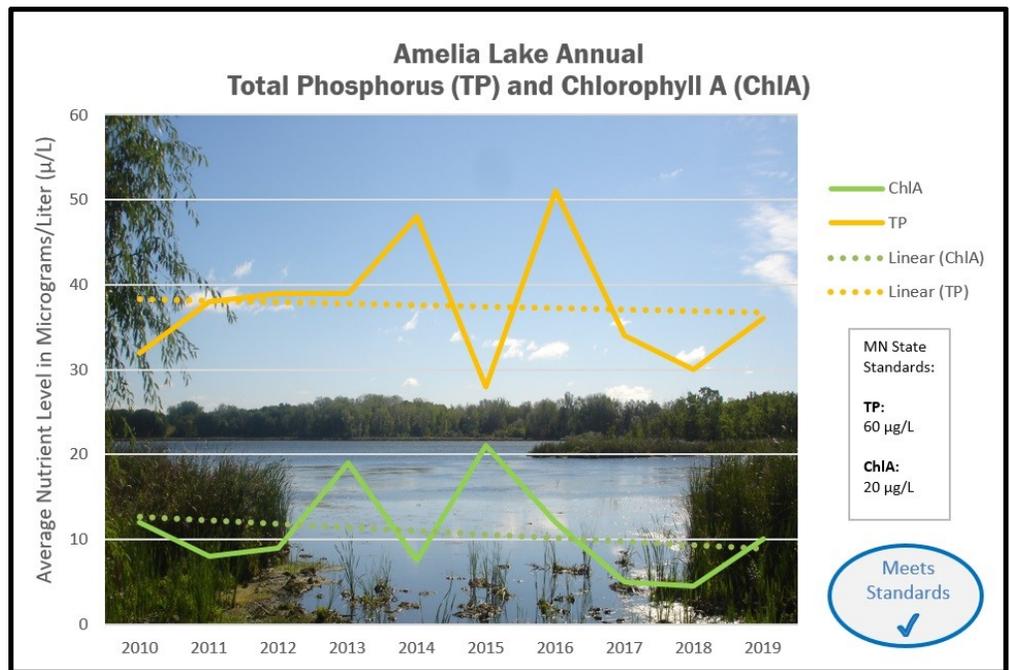
LOCATION: Amelia Lake is the northern most lake in VLAWMO. It is in the City of Lino Lakes and surrounded by open space, agricultural land, and residential properties. A portion of Interstate 35E is within its catchment area.



LAKE SUMMARY: Amelia Lake's water quality is stable and meets State standards. Concerns include nitrogen levels, due to agriculture, and invasive Flowering rush. The only lake of Biological Significance (MN DNR) in the watershed, Amelia will be surveyed, and a Sustainable Lake Management Plan will be developed in 2021. Water willow is a species of concern that requires intact shoreline, low development, and ice heave during winter. It is abundant around Amelia, and provides an indicator of high-quality habitat.

NUTRIENT SUMMARY:

Levels for all monitoring parameters at Amelia meet State standards. VLAWMO's goal is to maintain and protect this lake. With relatively few property owners around the lake and large parcels, there is the potential to collaborate to learn more and improve areas of concern.



VLAWMO's only natural stream lies between Amelia and Wilkinson Lake (Ash St.). This stream has been monitored by VLAWMO staff and is a source of high nutrients and sediment going into Wilkinson Lake.

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.

Amelia Lake	2019	Clear		Moderately Clear		Green		Very Green		
		Oligotrophic		Mesotrophic		Eutrophic		Hypereutrophic		
		20	30	40	50	60	70	80		
Trophic State Index (TSI): Overall		[Progress bar from 20 to 60]					▲	[Progress bar from 60 to 80]		
TSI Transparency: Secchi Disk		[Progress bar from 20 to 60]					▲	[Progress bar from 60 to 80]		
TSI Chlorophyll A: ChIA		[Progress bar from 20 to 60]					▲	[Progress bar from 60 to 80]		
TSI Total Phosphorus: TP		[Progress bar from 20 to 60]					▲	[Progress bar from 60 to 80]		

Visit VLAWMO.org under the "projects" tab for a complete list watershed improvement projects.