

Year	Trophic State
2022	Eutrophic
2021	Mesotrophic
2019	Eutrophic
2017	Eutrophic
2015	Eutrophic
2013	Eutrophic
2011	Eutrophic
2009	Eutrophic
2007	Eutrophic
2005	Eutrophic
2003	Eutrophic
2001	Mesotrophic
1999	Eutrophic
1997	Mesotrophic
1995	Mesotrophic
1993	Mesotrophic
1991	Mesotrophic
1989	Eutrophic
1987	Eutrophic

HISTORICAL DELAVAN LAKE TROPHIC LAKE STATE

Trophic Status	Total Phosphorus ($\mu\text{g L}^{-1}$)	Chlorophyll- <i>a</i> ($\mu\text{g L}^{-1}$)	Transparency (m)	Total Nitrogen ($\mu\text{g L}^{-1}$)
Ultra-oligotrophic	<4	<1	>12.0	---
Oligotrophic	<10	<2.5	>6.0	<350
Mesotrophic	Oct-35	2.5-8.0	6.0-3.0	350-650
Eutrophic	35-100	8.0-25.0	3.0-1.5	650-1200
Hypereutrophic	>100	>25.0	<1.5	>1200

Ultra-oligotrophic: very poor in nutrients and plant life and very rich in oxygen

Oligotrophic: poor in nutrients and plant life and rich in oxygen

Mesotrophic: moderate amount of plants that provide nutrients and minerals

Eutrophic: rich in nutrients, supporting a dense plant population, the decomposition of which kills animal life by depriving it of oxygen

Hypereutrophic: extremely rich in nutrients and minerals characterized by high algal productivity, intense algal blooms, fish kills due to oxygen depletion