2023 VOLUNTEER LAKE ASSESSMENT PROGRAM INDIVIDUAL LAKE REPORTS
DEERING LAKE, DEERING

Recommended Actions: Great job sampling in 2023! Lake phosphorus levels increased in 2023 and water clarity was poor likely due to the excessive summer rainfall amounts, similar to that experienced in 2021. This highlights the importance of managing stormwater runoff from lake and watershed properties. Great job collecting monthly dissolved oxygen and temperature profiles! Phytoplankton data suggest Cyanobacteria are becoming more dominant in the lake and highlights the importance of minimizing nutrient (phosphorus) loading from the watershed. Keep an eye on the lake for any signs of Cyanobacteria blooms or surface scums and alert NHDES' Harmful Algal Bloom Program. Campbell Cove Inlet experienced elevated phosphorus levels following a storm event in August. Continue monitoring this new location and monitor any logging activities in the sub-watershed for areas of stormwater runoff and erosion. Encourage winter maintenance companies to obtain NH Salt Applicator License through the Green SnowPro Certification Program. Encourage the town to conduct spring cleaning of roadside ditches and catch-basins to remove sand/salt that accumulated over winter. Educate shorefront property owners on becoming certified LakeSmart through NH LAKES' lake-friendly living program. Watershed management efforts should focus on managing stormwater runoff, dirt/gravel road stabilization, and reduced application of road salt and sand during winter months. Keep up the great work!

HISTORICAL WATER QUALITY TREND ANALYSIS

PARAMETER	TREND	PARAMETER	TREND
Conductivity	Worsening	**Chlorophyll-a**	Stable
pH (epilimnion)	Stable	**Transparency**	Worsening
Phosphorus (hypolimnion)	Improving	**Phosphorus (epilimnion)**	Stable

HISTORICAL WATER QUALITY GRAPHICS