

NC COASTAL LAKE: DE-EUTROPHICATION AND ACCELERATED RESTORATION



AS SEEN IN POND BOSS MAGAZINE: JANUARY/FEBRUARY 2026 EDITION

CLIENT OBJECTIVES

1. Enhance Fishery Production
2. Process Bottom Debris
3. Restore Bottom Oxygen Levels

LAKE DETAILS

- ▶ Size: 40 acres
- ▶ Average Depth: 5 ft
- ▶ Location: North Carolina
- ▶ Treatment Period: Jun-Oct (1st yr); Apr-Oct (2nd yr)
- ▶ Client Type: Private Fishery
- ▶ Program: TryMarine Custom Fishery Program

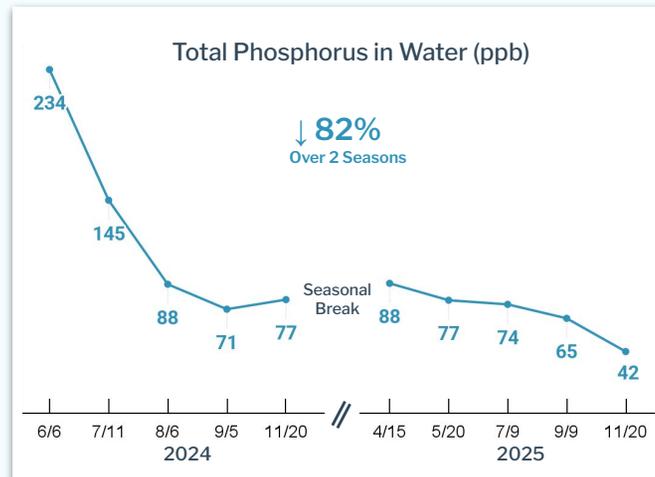
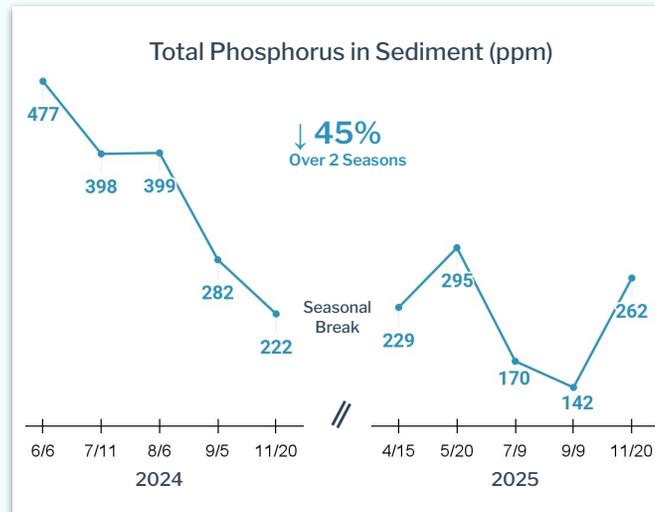
TRYMARINE IMPACT

- ▶ Phosphorus in the sediment and water was significantly reduced during the first season and declined further in the second season
- ▶ In the second year the lake supported strong fishery performance and maintained improved aesthetics
- ▶ The partial rebound in sediment TP at the end of 2025 indicates an older sediment layer has been penetrated

BACKGROUND

Client aimed to establish a trophy fishery and premium aesthetics following destruction of dam by a Hurricane Florence. Lake was inundated by storm debris, sat dry for 4 years before being flooded by new owner. TryMarine was deployed to counteract chronic low oxygen status and accelerate the processing of coarse muck. Results below measured 2 years into a 3 year restoration plan.

KEY METRICS AND RESULTS



IMPROVED AESTHETICS





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EXPLANATION

By restoring the lake's bottom dissolved oxygen level, TryMarine helped accelerate the decomposition of coarse organic debris.

This visible transformation coincided with a significant and sustained reduction of phosphorus in both the sediment and water column.

The lake now sustains a successful fishery- almost unthinkable in years past.

TRYMARINE IMPACT

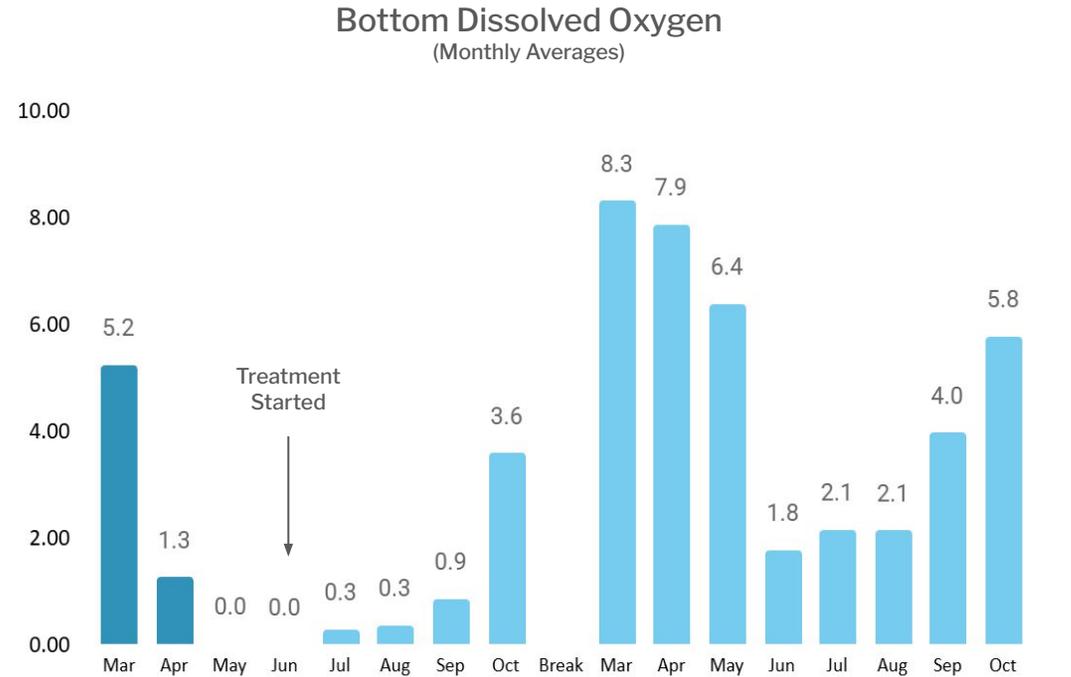
- ▶ Sustained higher DO every month since the beginning of treatment
- ▶ The visible breakdown of coarse debris into brown muck, a short time, attests TryMarines capacity to accelerated decomposition
- ▶ Taken together with the sustained reduction in nutrients, this lake shows significant progress towards full restoration as a thriving high end fishery

KEY METRICS AND RESULTS

Dissolved oxygen (DO) logs show only 1 month with average bottom DO below 2 in 2025 (June) compared to 6 events in 2024

Each month in 2025 had higher average DO than the same month in 2024

We expect the increasing trend to continue in the 3rd and final year of restoration



IMPROVED TEXTURE

- ▶ Coarse organic debris broken down into more homogenous, oxygenated sediment
- ▶ Sediment is browner in color, suggesting more oxygen is present

