

COMPILED DATA: TWO SEASONS OF TRYMARINE RESTORATION



7 PROJECTS: 71% AVERAGE TOTAL PHOSPHORUS (TP) REDUCTION IN WATER

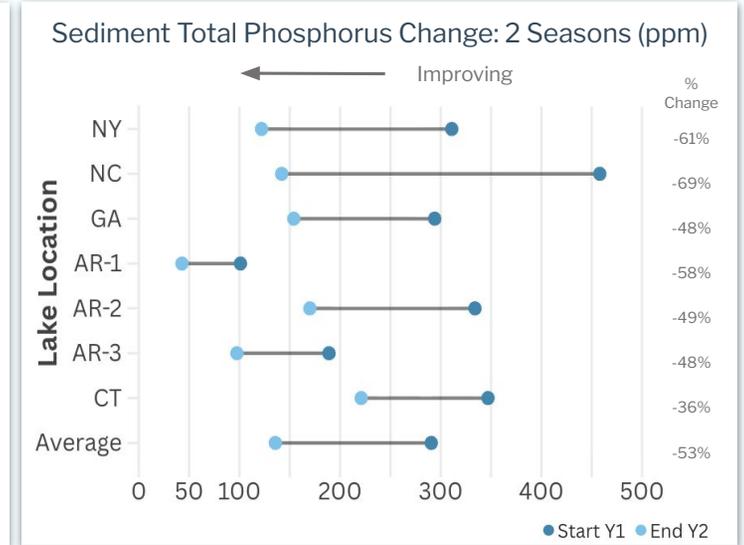
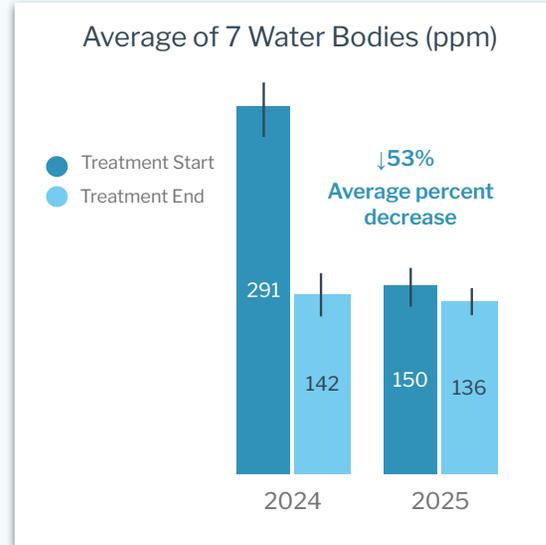
CONSISTENT RESULTS

In 2024, 7 clients elected to have extensive testing over 2 seasons of treatment.

Data from these 7 projects was collected and analyzed:

- ▶ Size: 1 - 400 acres
- ▶ Scope: 5 different states with a range of climate zones
- ▶ Duration: Two seasonal cycles (warm-weather treatments)

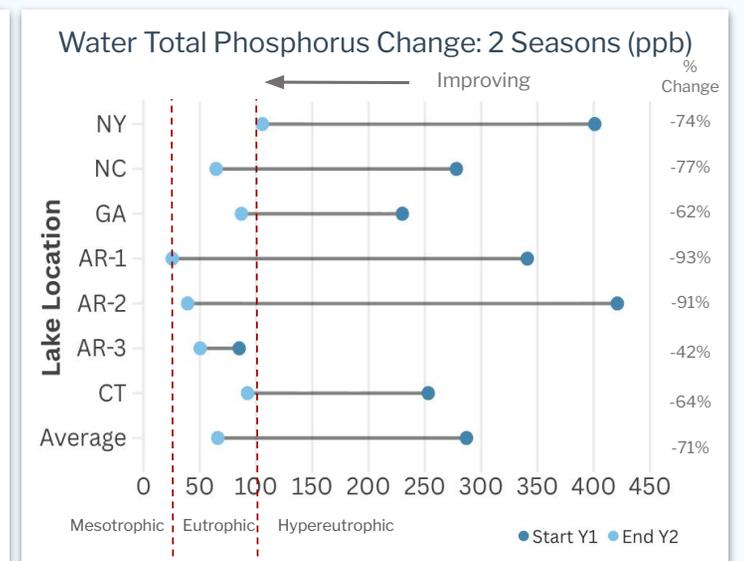
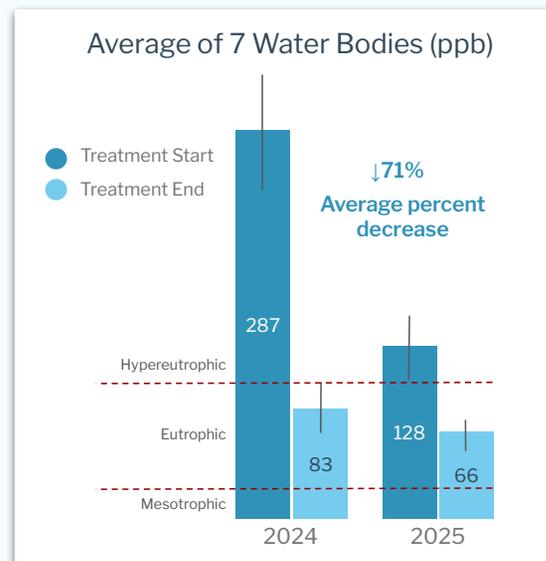
SEDIMENT - DECREASE IN TP OVER 2 SEASONS OF TREATMENT



TRYMARINE IMPACT

- ▶ Significant reduction of total phosphorus in sediment and water
 - Sediment TP: ↓ **53%**
 - Water TP: ↓ **71%**
- ▶ Changes were sustained through a seasonal break - late fall to spring
- ▶ Yearly decreases indicate that changes are not seasonal, but persistent

WATER - DECREASE IN TP OVER 2 SEASONS OF TREATMENT



Total Phosphorus (TP) in sediment and water is significantly reduced in all 7 projects, beginning with the first season of treatment, and continuing to decrease in the second season, a sign of an improved ecosystem.

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7 PROJECTS: EFFECTIVE NUTRIENT BALANCING

CONSISTENT RESULTS

In 2024, 7 clients elected to have extensive testing over 2 seasons of treatment.

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- ▶ Size: 1 - 400 acres
- ▶ Scope: 5 different states with a range of climatic zones
- ▶ Duration: Two seasonal cycles (warm-weather treatment)

TRYMARINE IMPACT

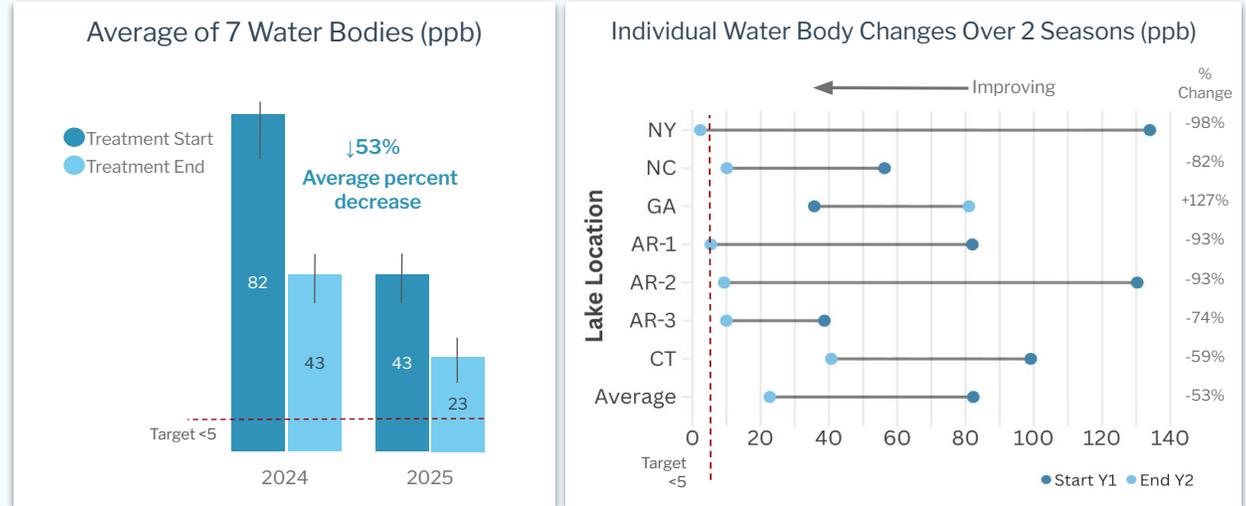
- ▶ Free Phosphorus (most readily available form of this nutrient). Target is below 5 ppb.

Average over 2 seasons declined:
82 ppb → 23 ppb (↓ 53%)

- ▶ Total Nitrogen/Total Phosphorus: Ratio (a key metric of nutrient balance in fishery management). Target is above 20.

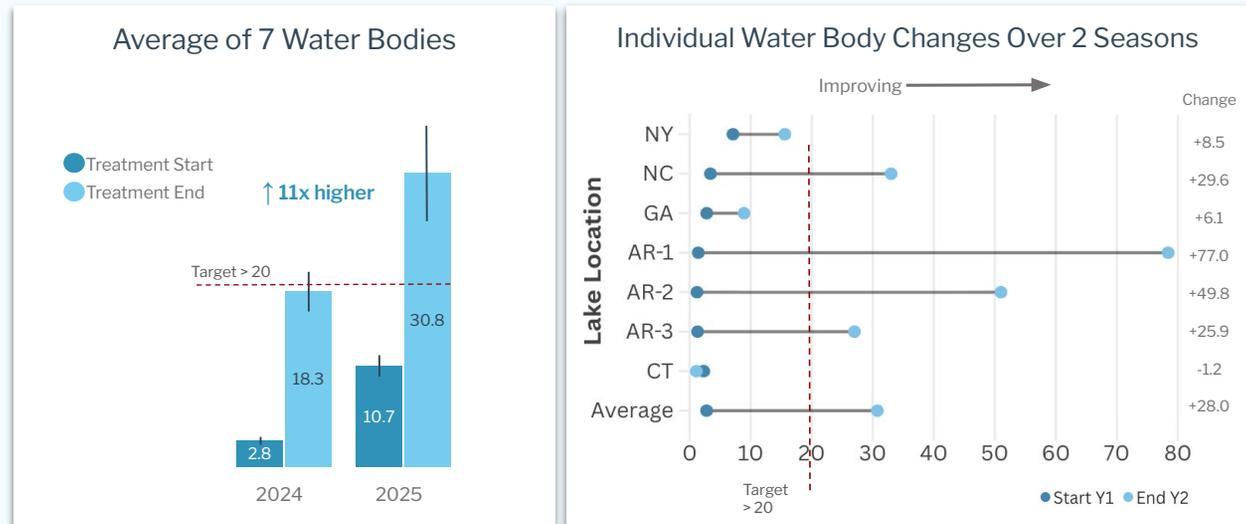
Average over 2 seasons increased:
2.8 → 30.8 (↑ 11x)

FREE PHOSPHORUS IN WATER - CHANGE OVER 2 SEASONS



Target levels of free phosphorus in water should be below 5 ppb. Free P was significantly reduced in 6 out of 7 projects. The increase seen at GA reflects addition of fish food/fertilizer to induce fish growth

NITROGEN:PHOSPHORUS RATIO IN WATER - CHANGE OVER 2 SEASONS



The Total Nitrogen-to-Total Phosphorus (TN:TP) ratio is a critical driver of aquatic ecosystem balance. Targeting a TN:TP ratio of 20:1 promotes a robust food web and limits nutrient-driven water quality issues.