

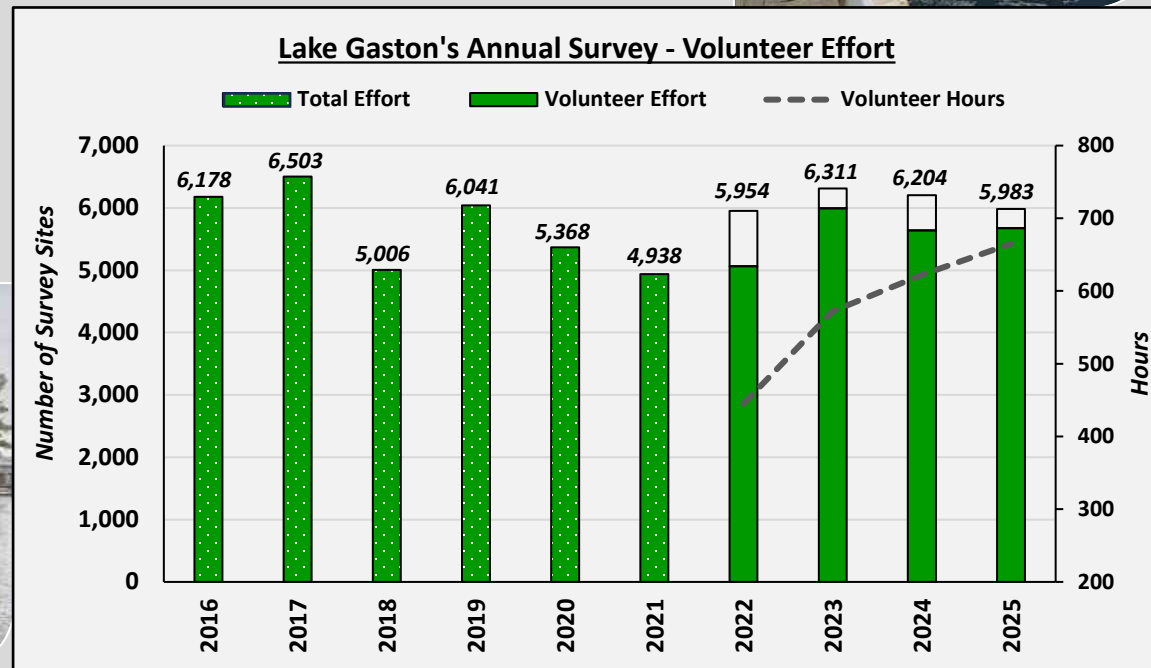
Lake Gaston Association NCSU Management Update 2026



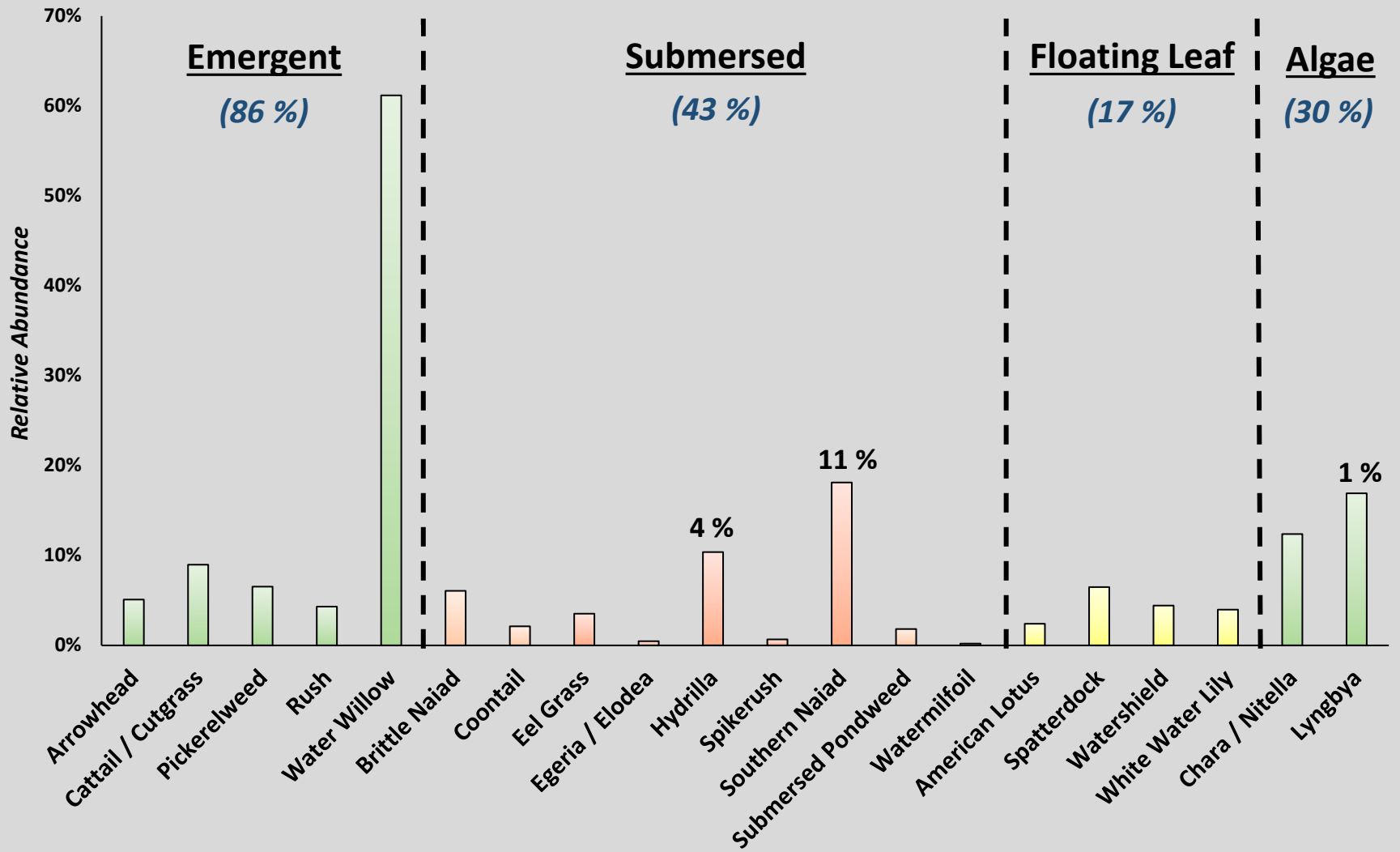
Jessica R. Baumann and Dr. Rob J. Richardson
Aquatic Plant Management Program
North Carolina State University

2025 Vegetation Survey

- Almost 200 Individual Volunteers
 - 556 Active Survey Volunteer Hours
- Conducted from August 16th to October 29th
- 5,938 Points Collected
 - Goal Every 200 ft
- 86% of sites contained vegetation



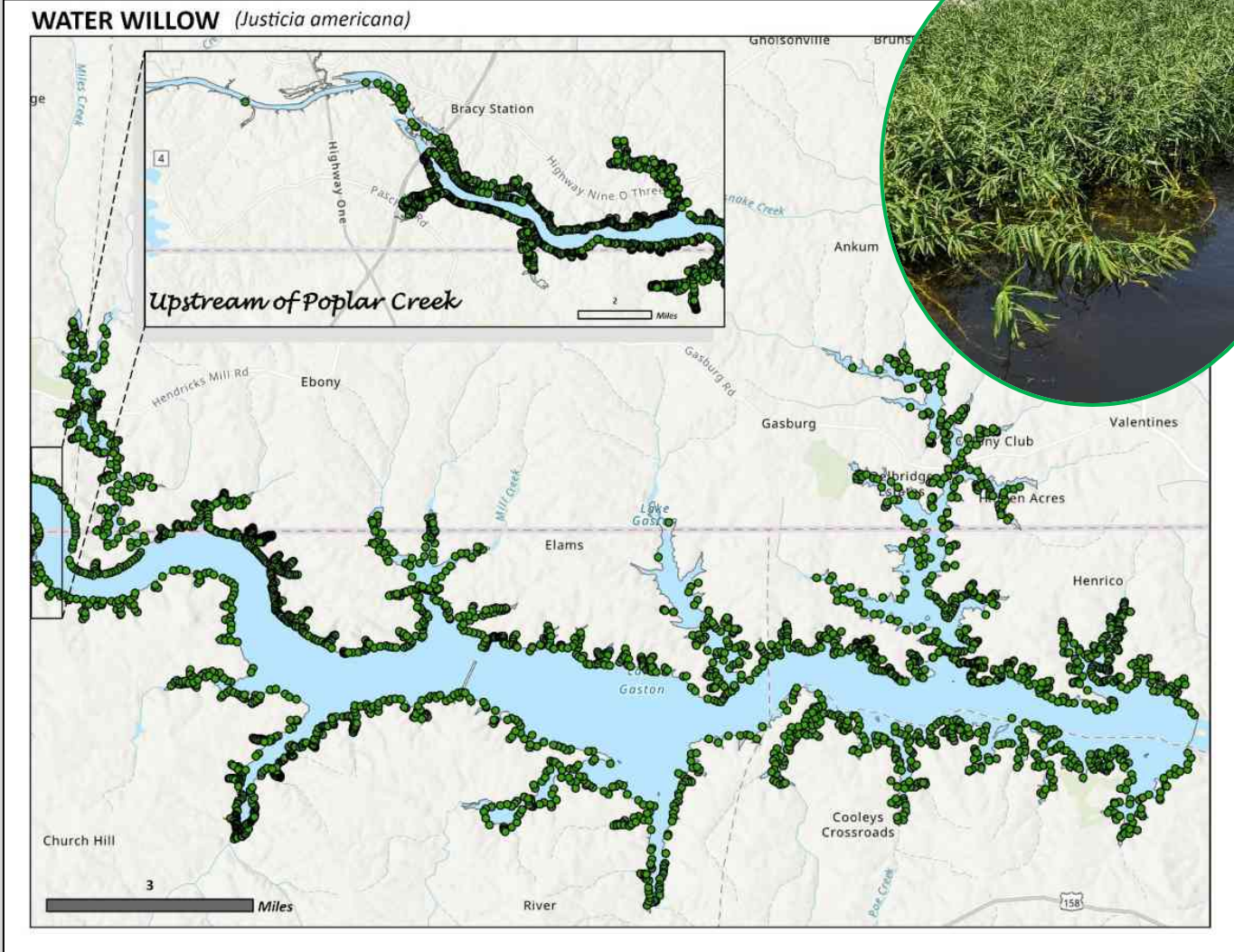
Aquatic Plant Community - 2025



Aquatic Plant Community

5 Most Abundant Species - 2025

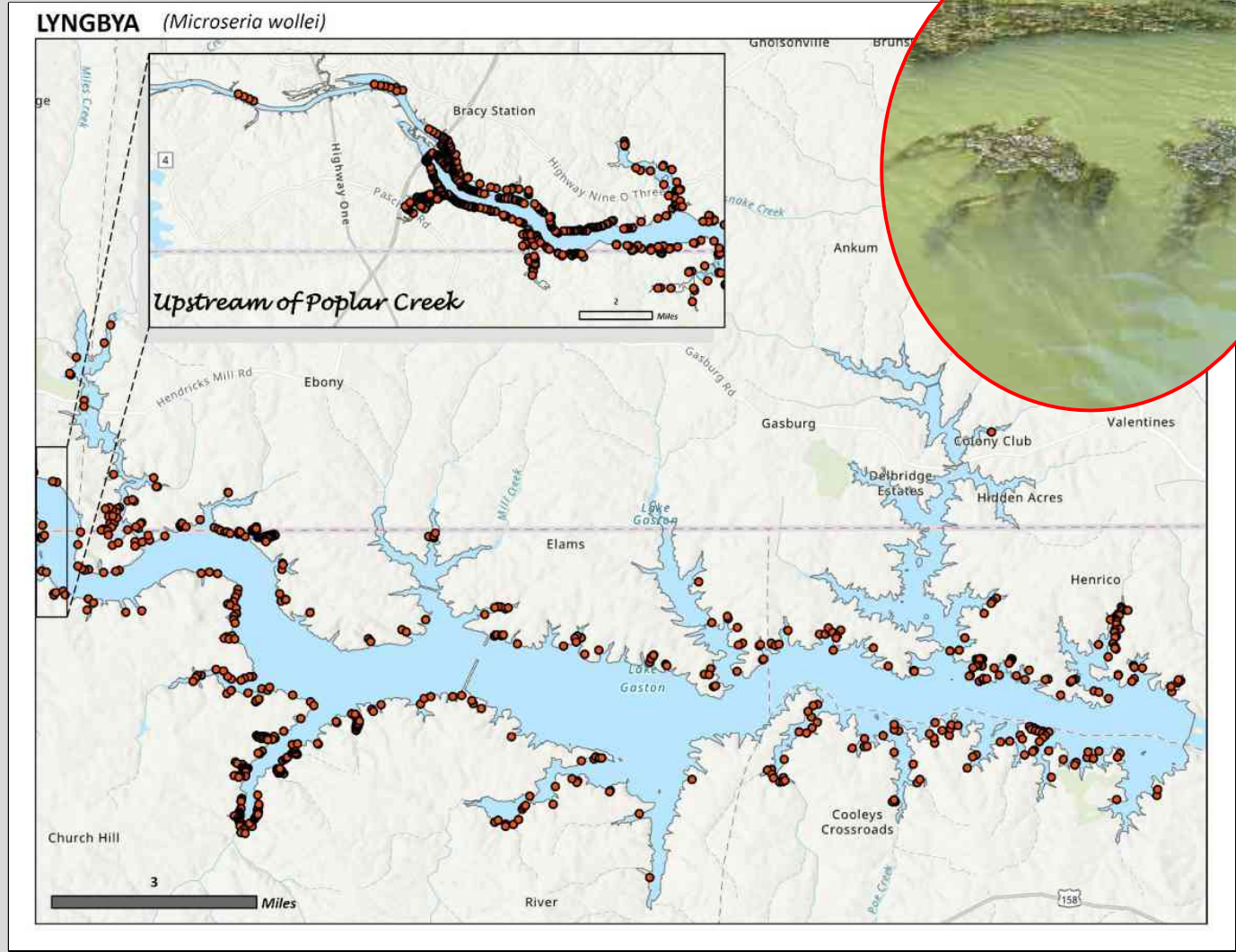
#1



Aquatic Plant Community

5 Most Abundant Species - 2025

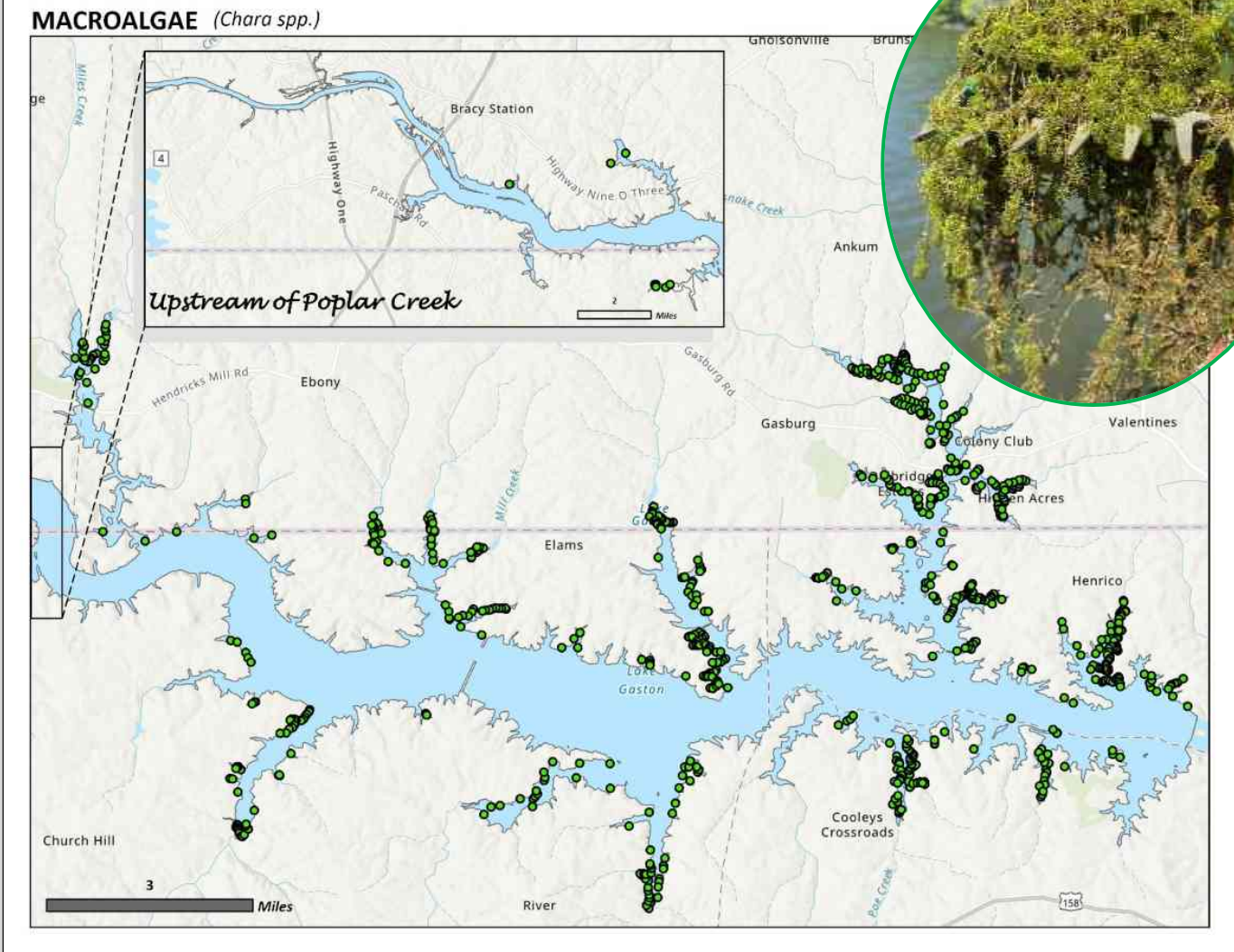
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Aquatic Plant Community

5 Most Abundant Species - 2025

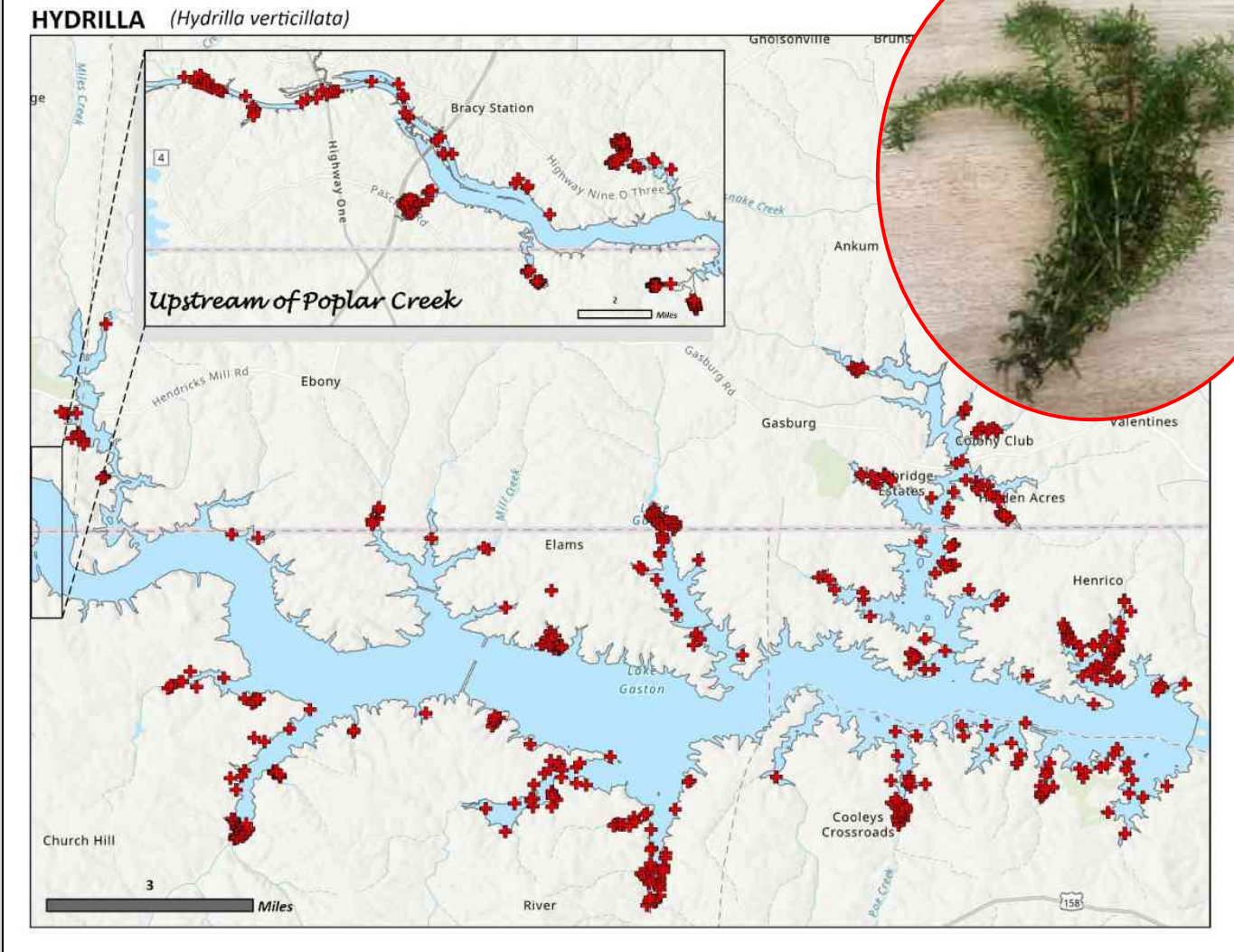
#4



Aquatic Plant Community

5 Most Abundant Species - 2025

#5

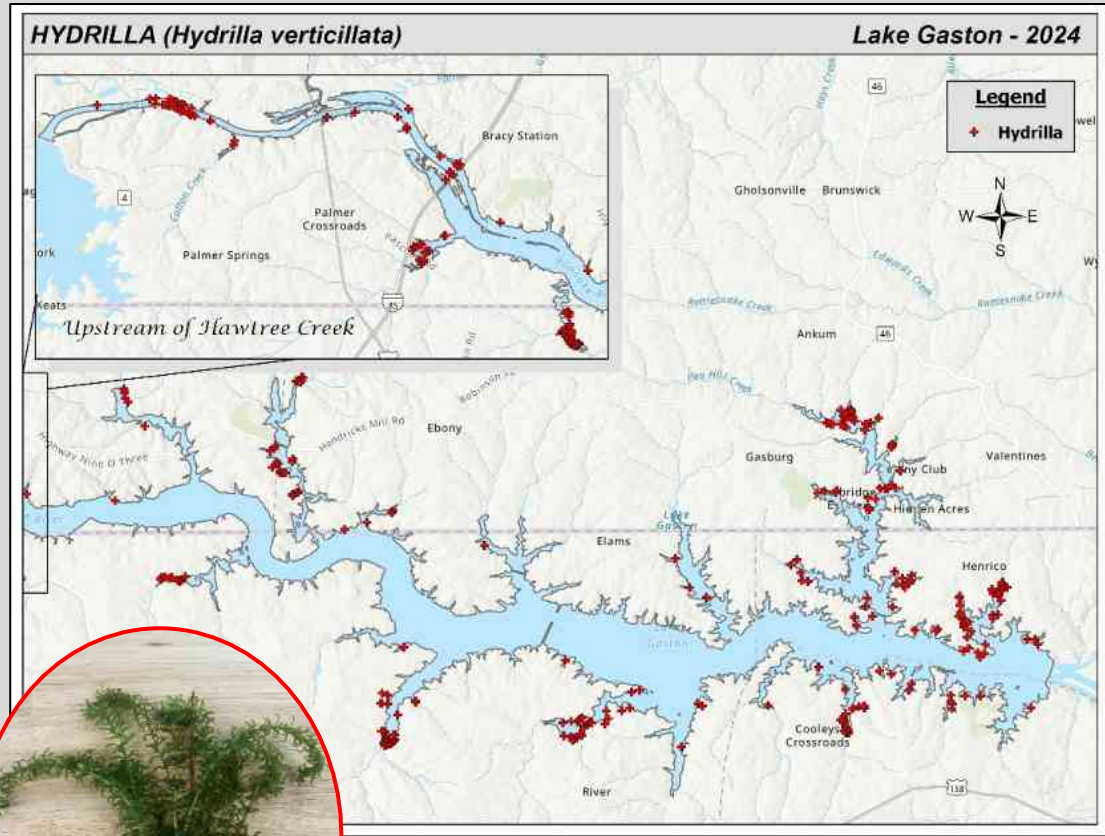


Hydrilla Management



Hydrilla Management

2025 Season Summary



2025 Hydrilla Management

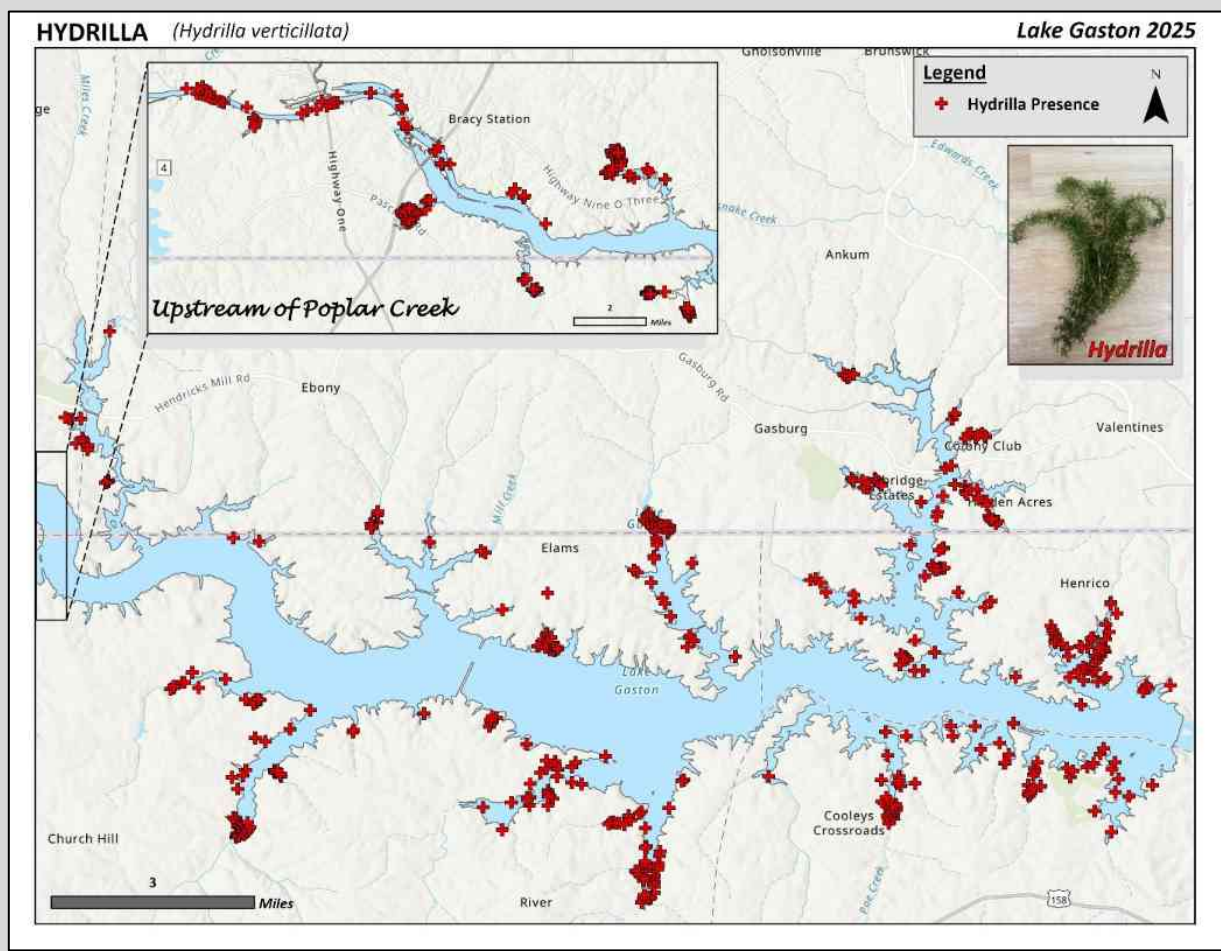
Total Treated Acres: **204 acres**

Grass Carp Stocked: **0**



Hydrilla Management

2025 Season Survey Results

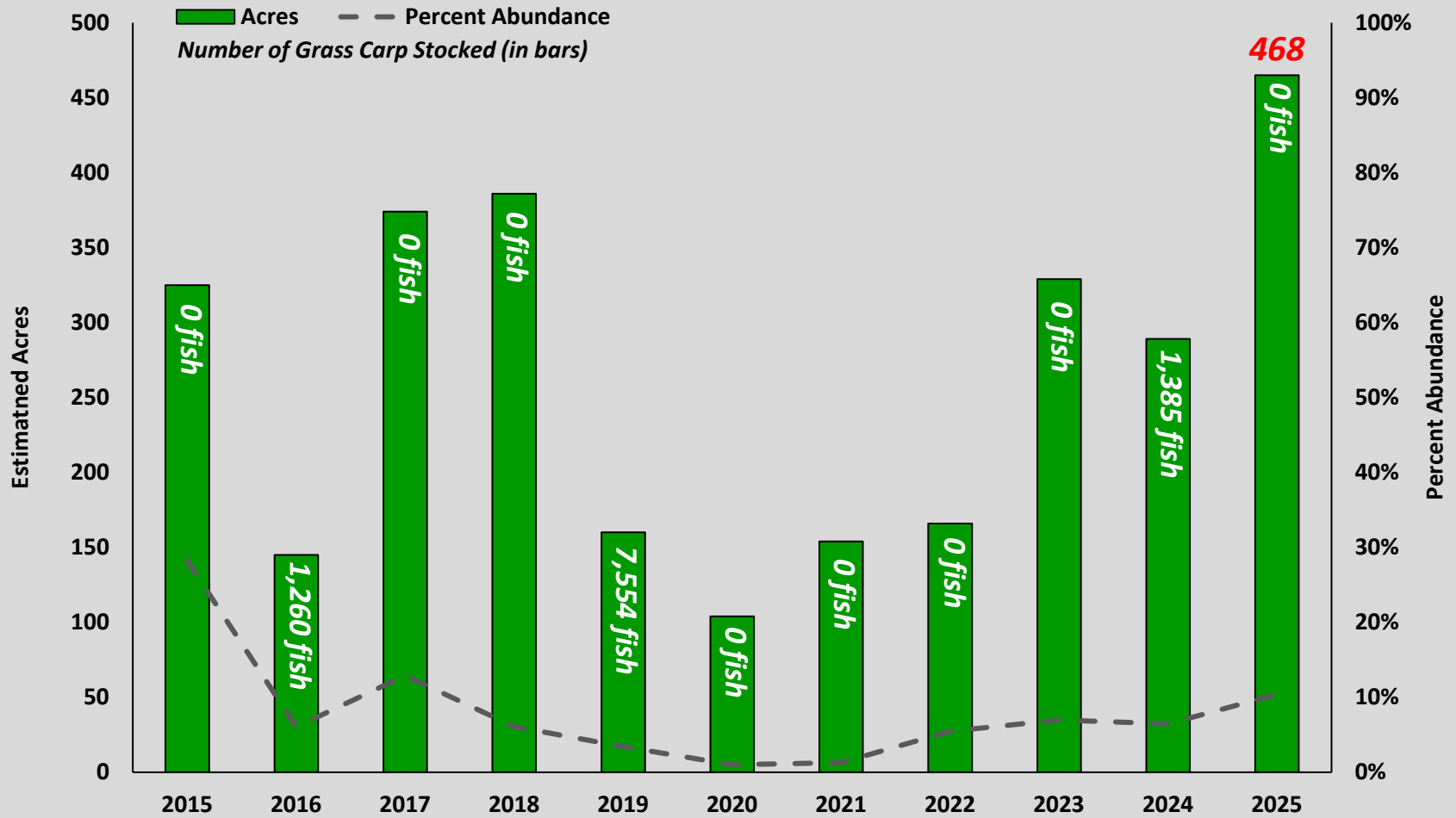


Total Vegetation: 10 %

Estimated Hydrilla Acreage: 468 acres

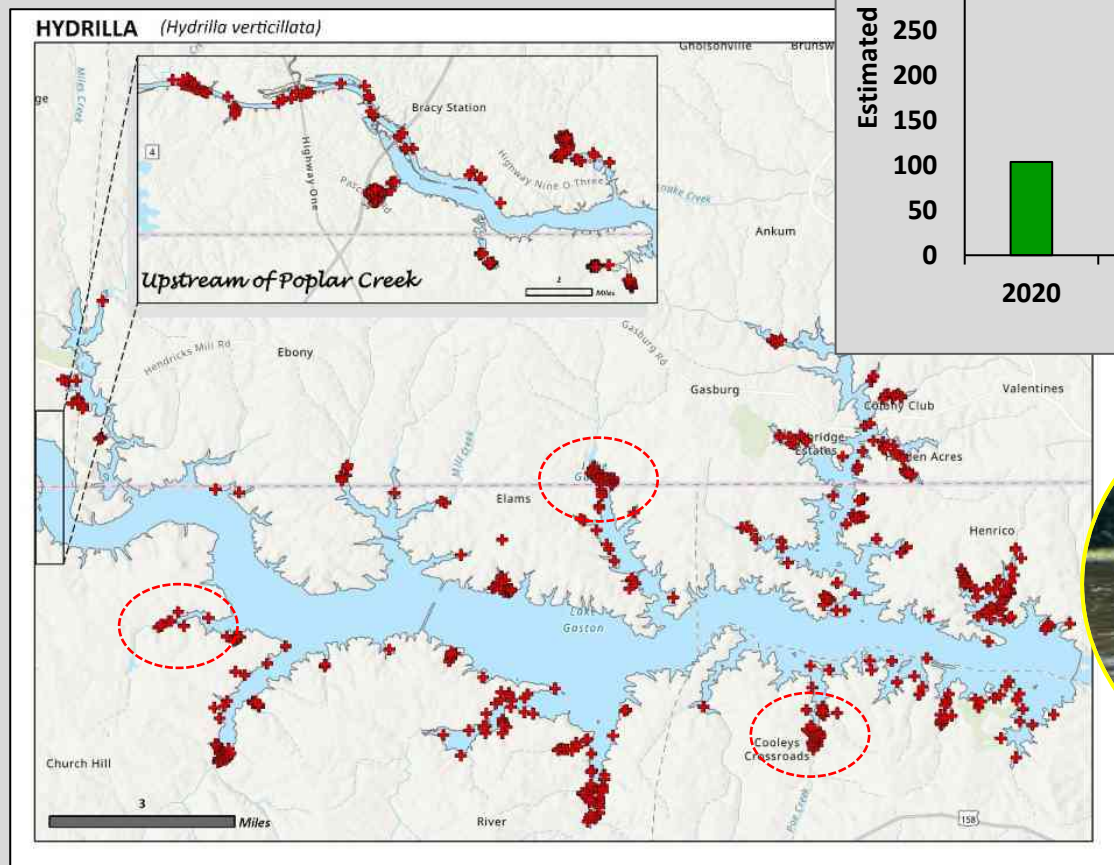
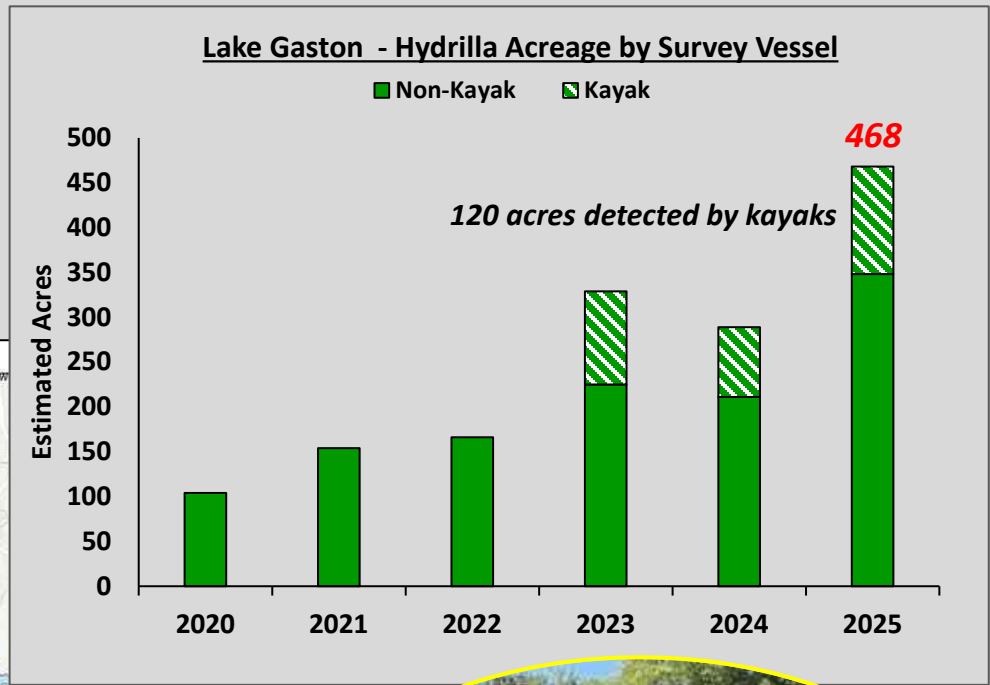
Hydrilla Management

Yearly Trends

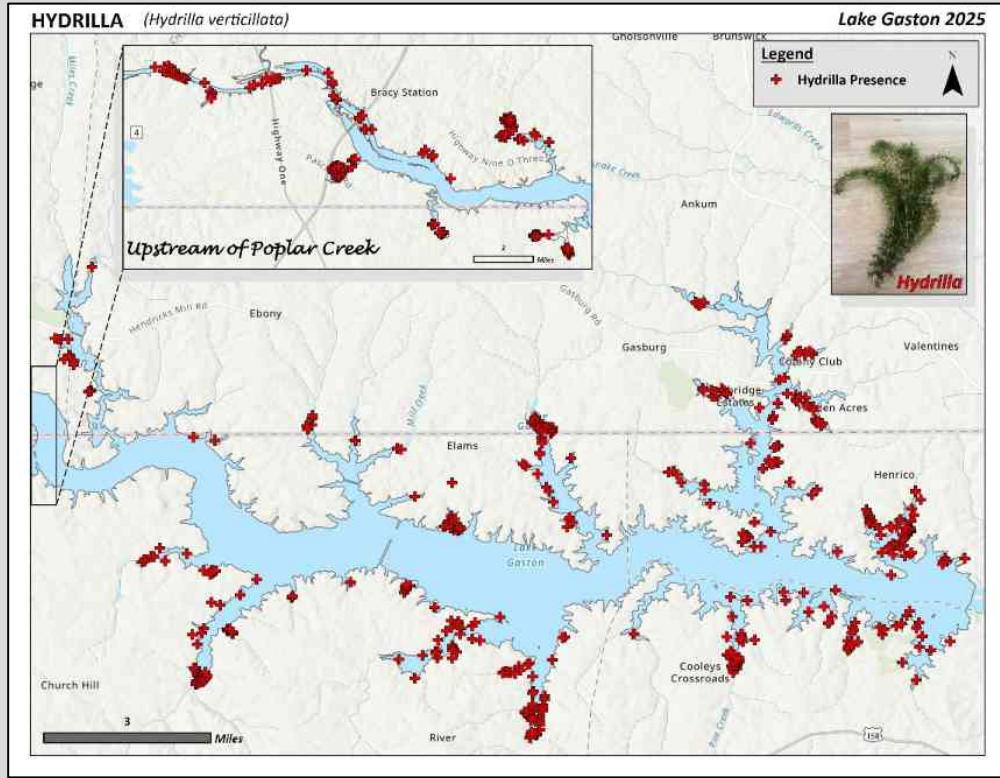


Hydrilla Management

Yearly Trends



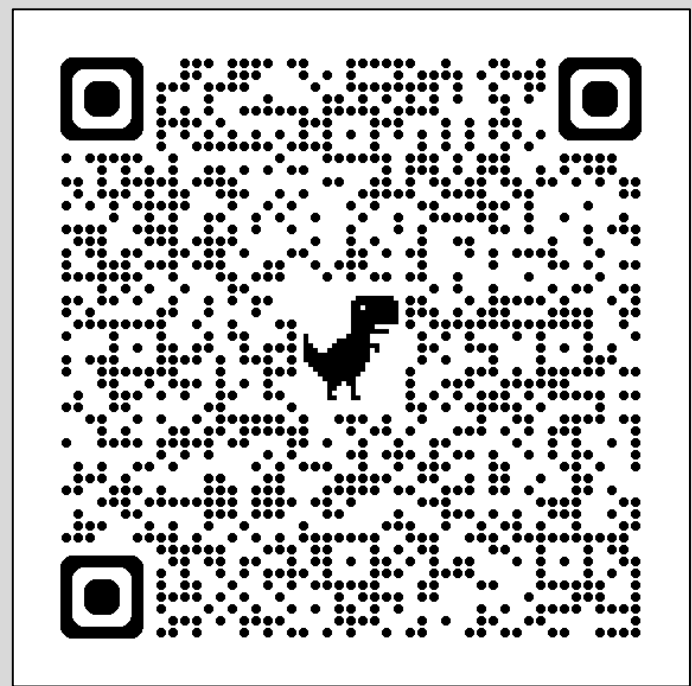
Hydrilla Management



2026 Treatment Plan

Herbicide Treatment Acres: **326 acres**

Grass Carp Stocking Number: **1,341**

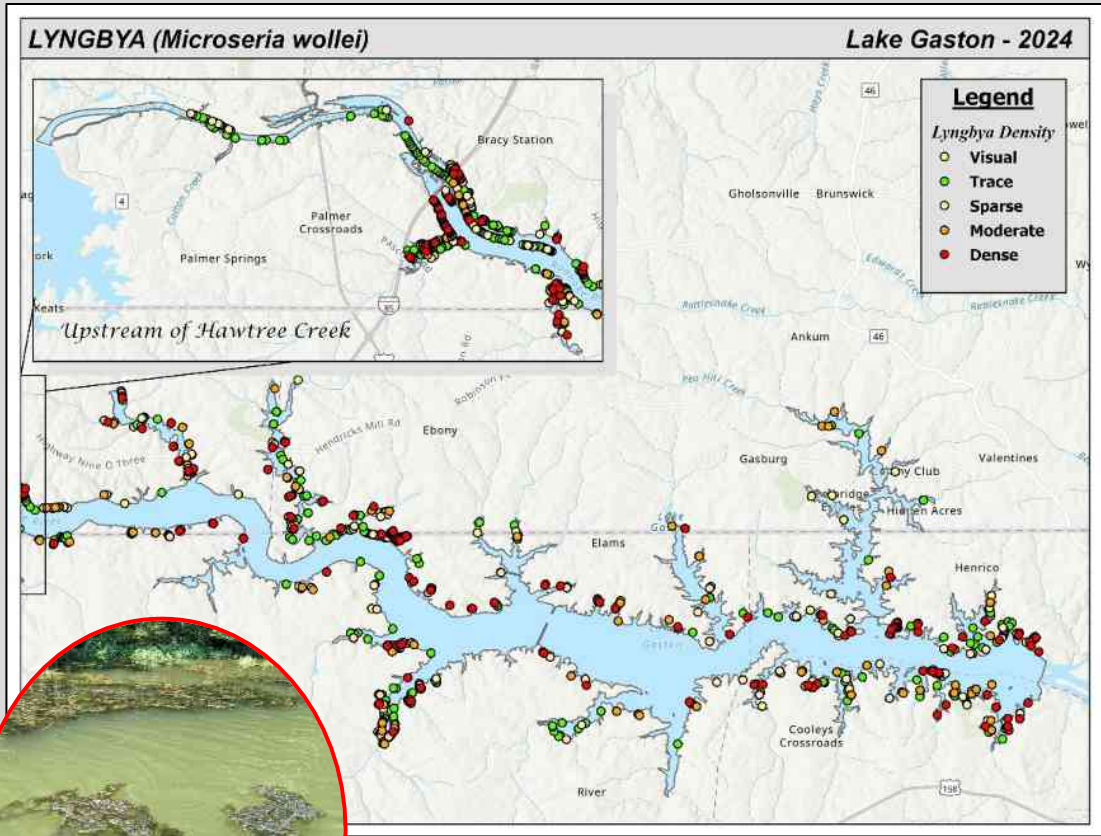


Lyngbya Management



Lyngbya Management

2025 Season Summary

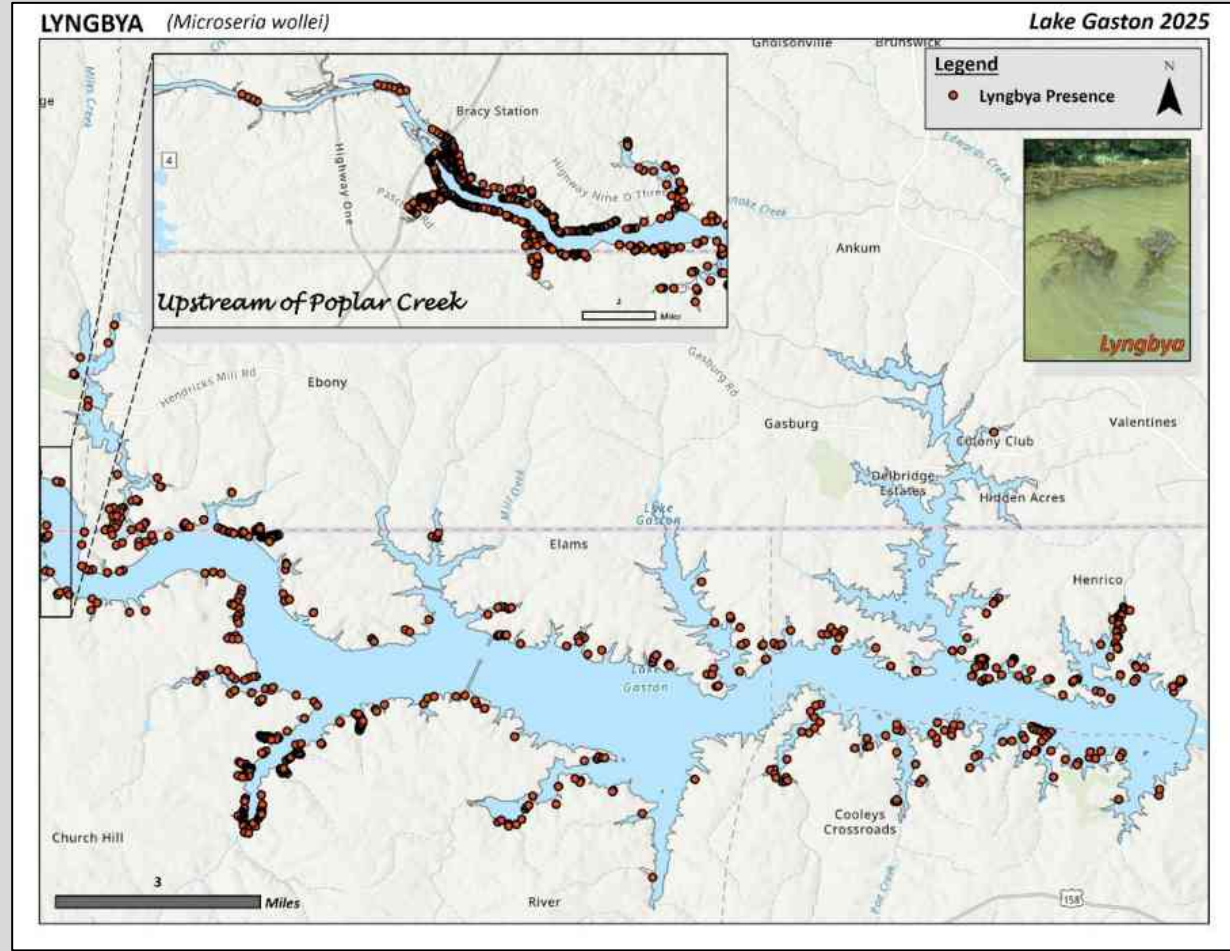


2025 Lyngbya Management

Total Treated Acres: **477 acres**

Lyngbya Management

2025 Season Survey Results



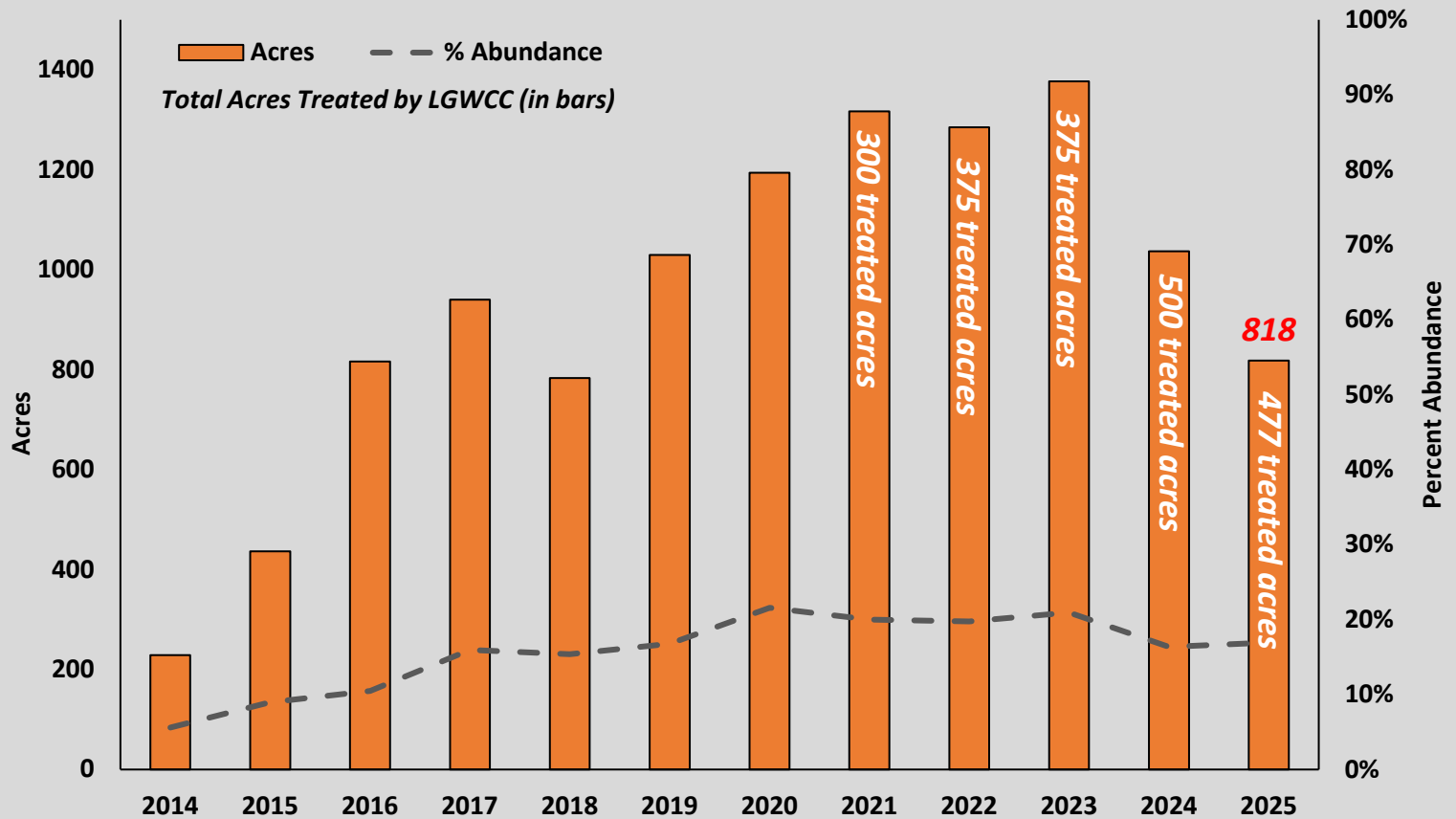
Total Vegetation: 17 %

Estimated Lyngbya Acreage: **818 acres**

Lyngbya Management

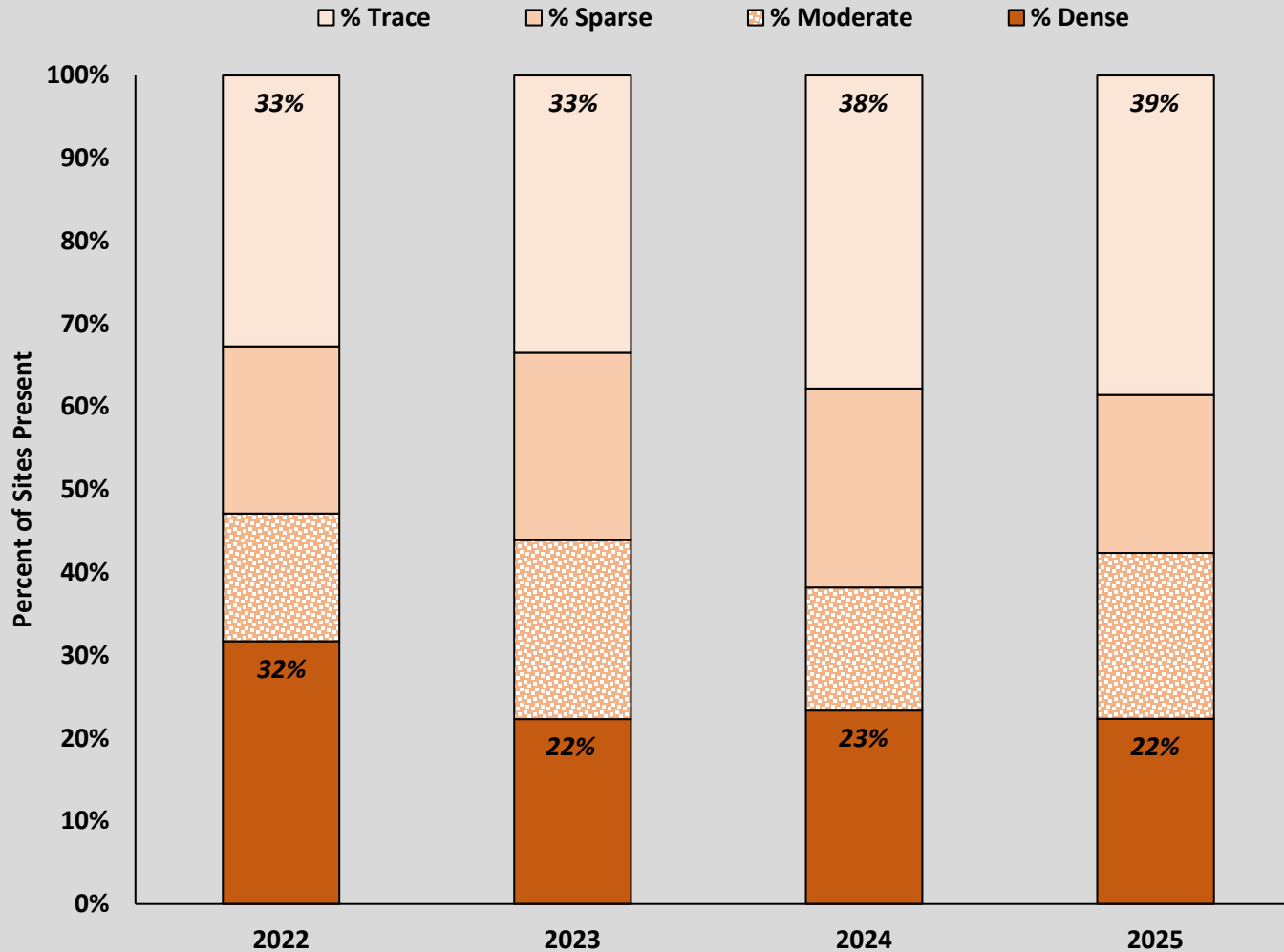
Yearly Trends

- Decrease in acreage (2023 – 2024): **340 acres**
- Decrease in acreage (2024 – 2025): **219 acres**



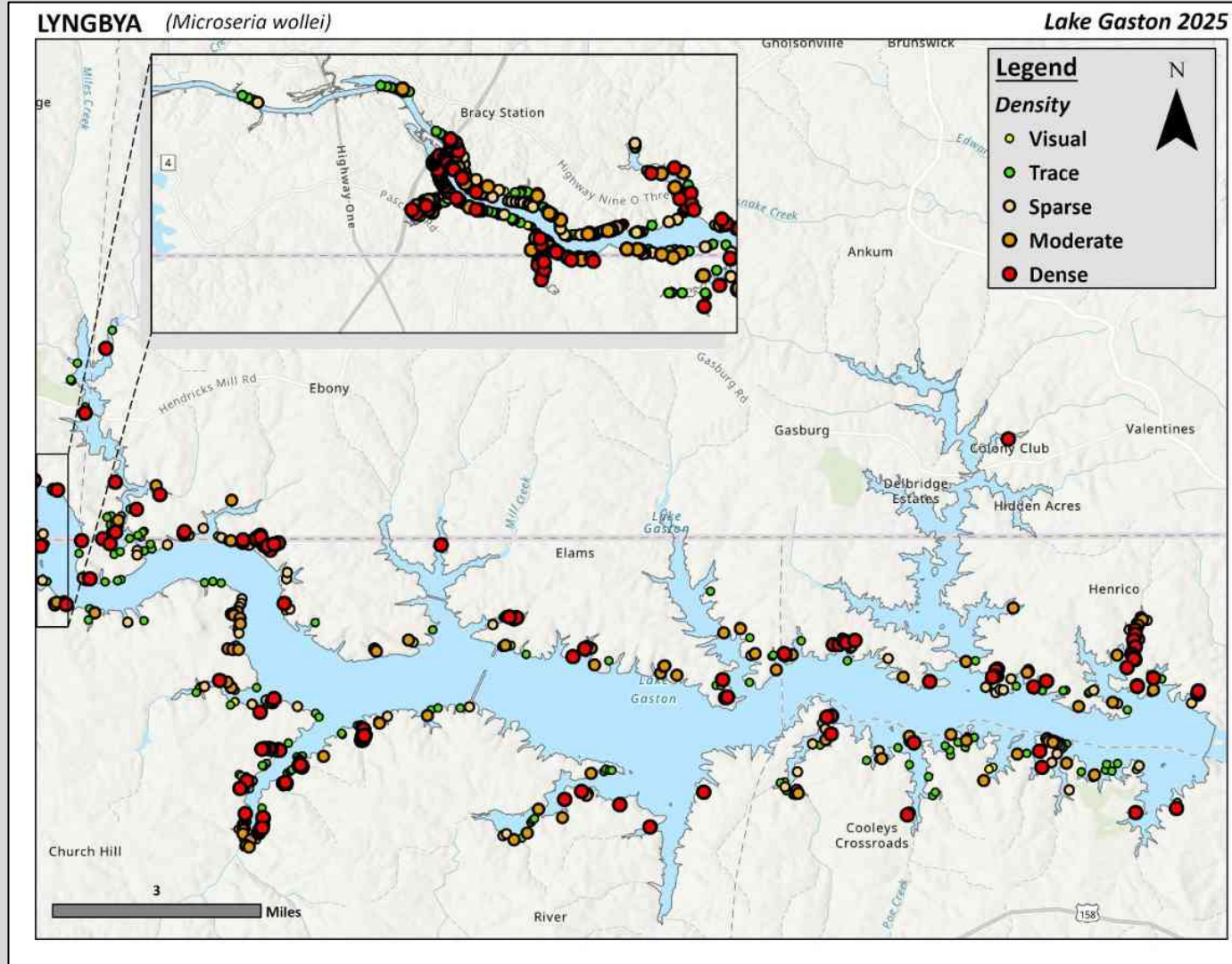
Lyngbya Management

Trends in Benthic Mat Densities

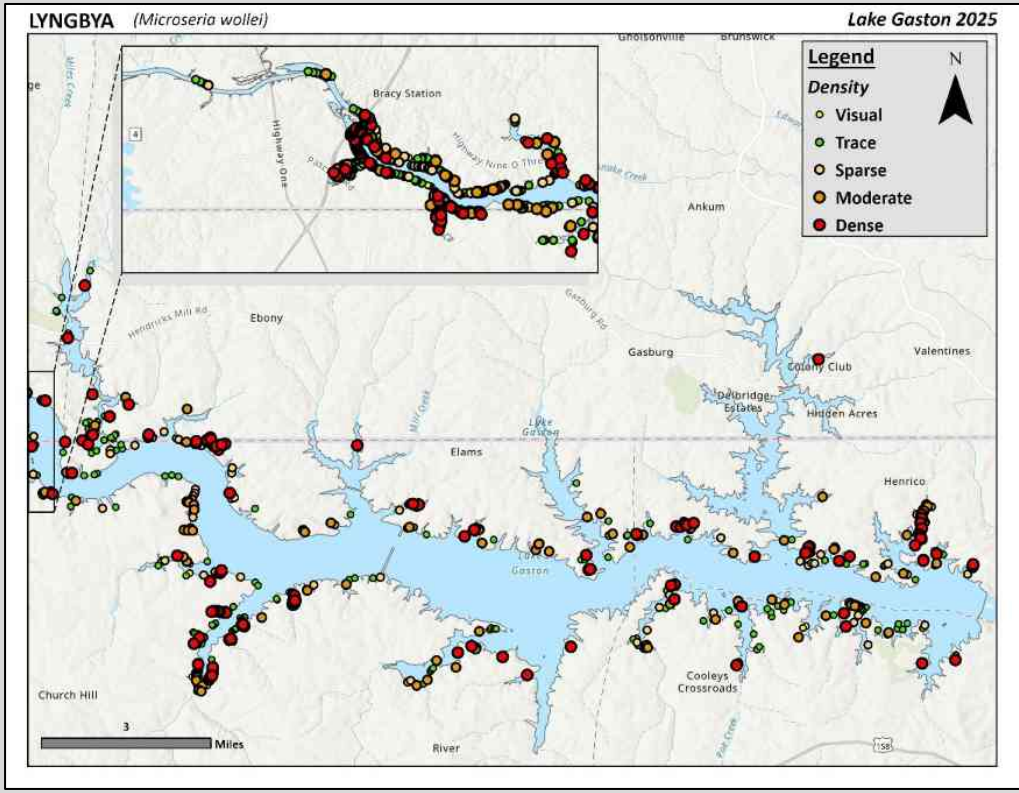


Lyngbya Management

Benthic Mat Densities

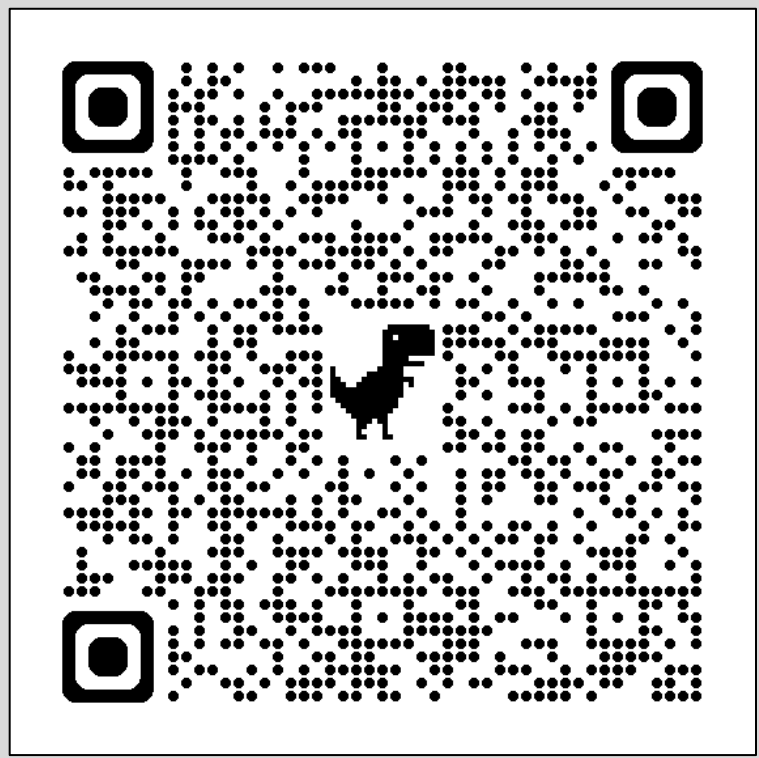


Lyngbya Management



2026 Treatment Plan

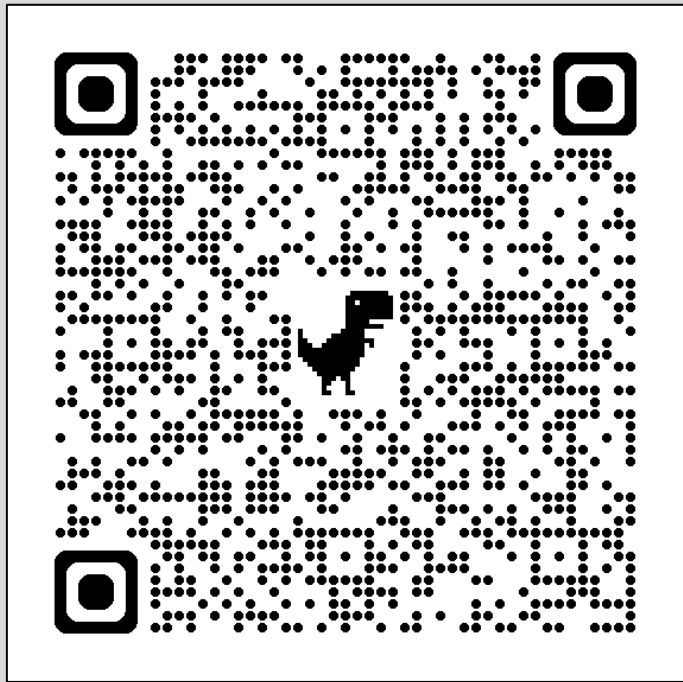
Algicide Treatment Acres: **499 acres**



Aquatic Plant Management

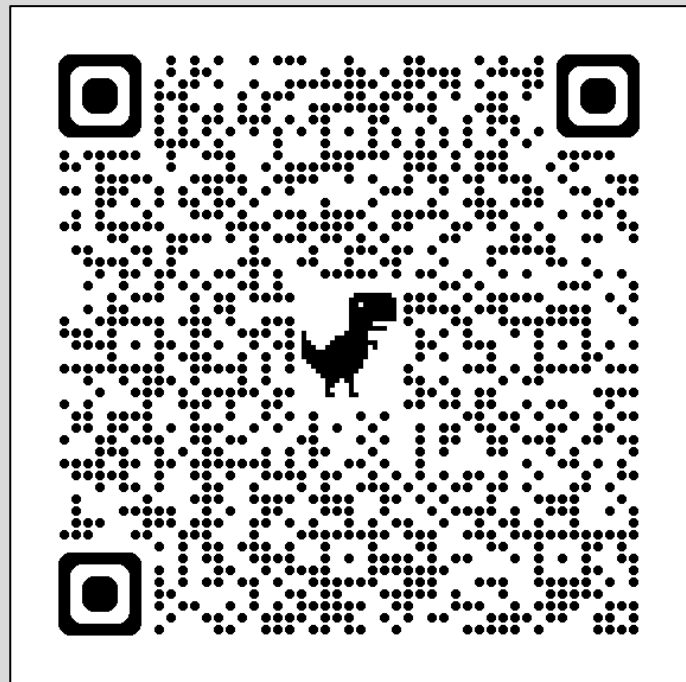
2026 Treatment Plan

Hydrilla



2026 Treatment Plan

Lyngbya



Questions?

Jessica R. Baumann

Extension Associate, Lake Gaston
Aquatic Plant Management Program

Email: aquaticplants@ncsu.edu



Report Gaston Aquatic Plant Issues:

