



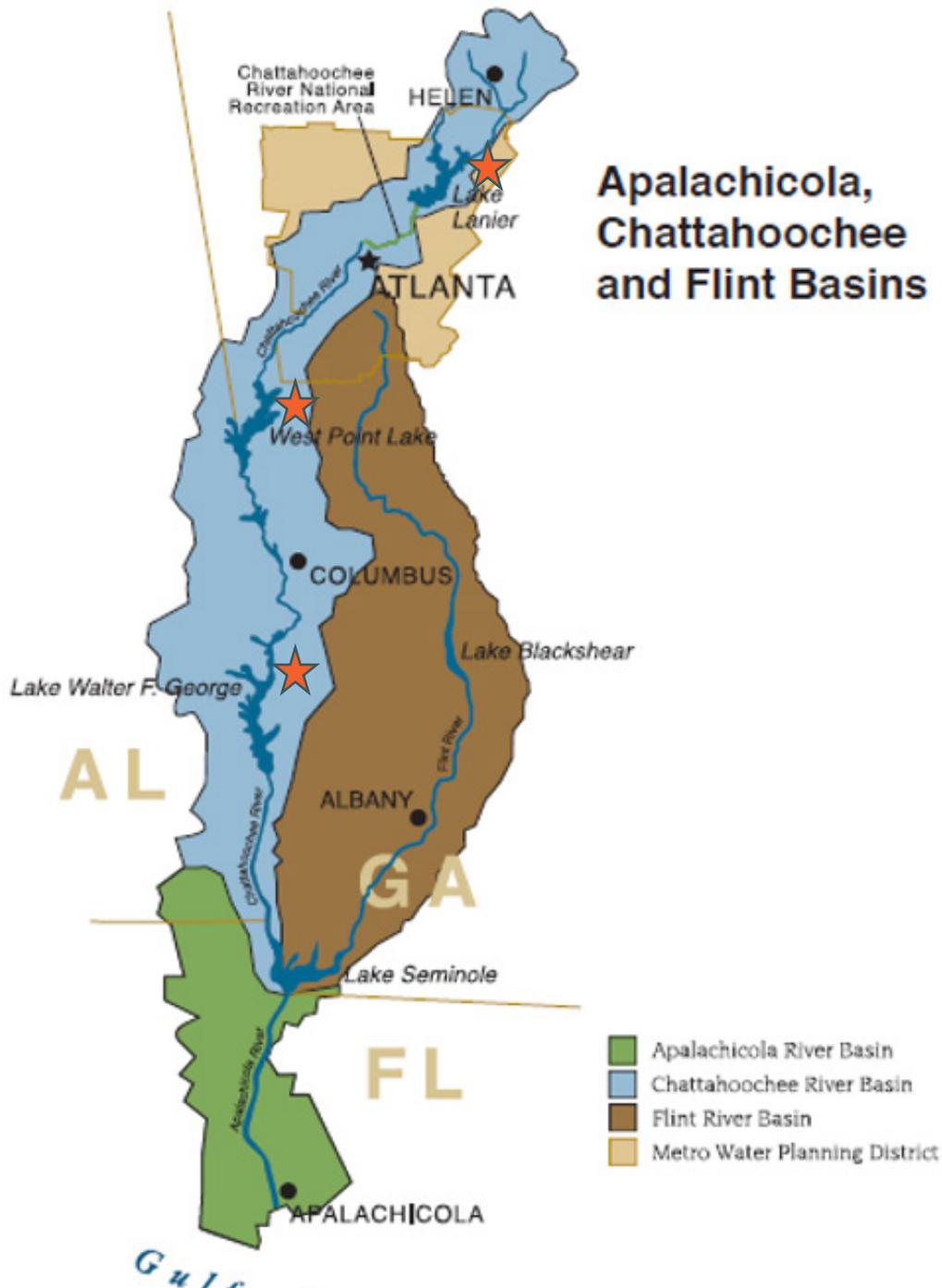
CHATTAHOOCHEE
RIVERKEEPER®

The impact of nutrients on reservoirs in the Chattahoochee River basin

Becca Risser

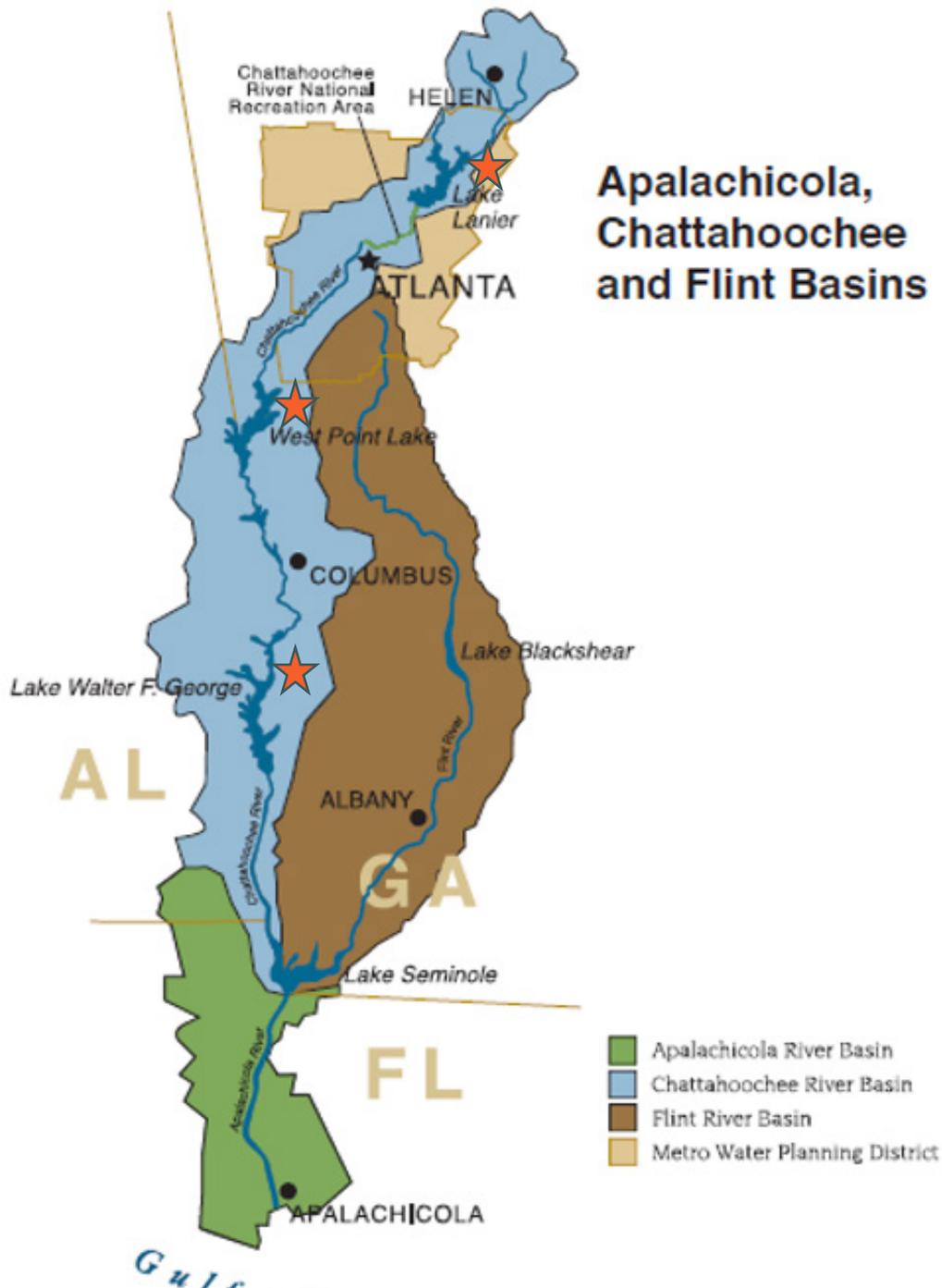
Headwaters Watershed Specialist

Chattahoochee Riverkeeper



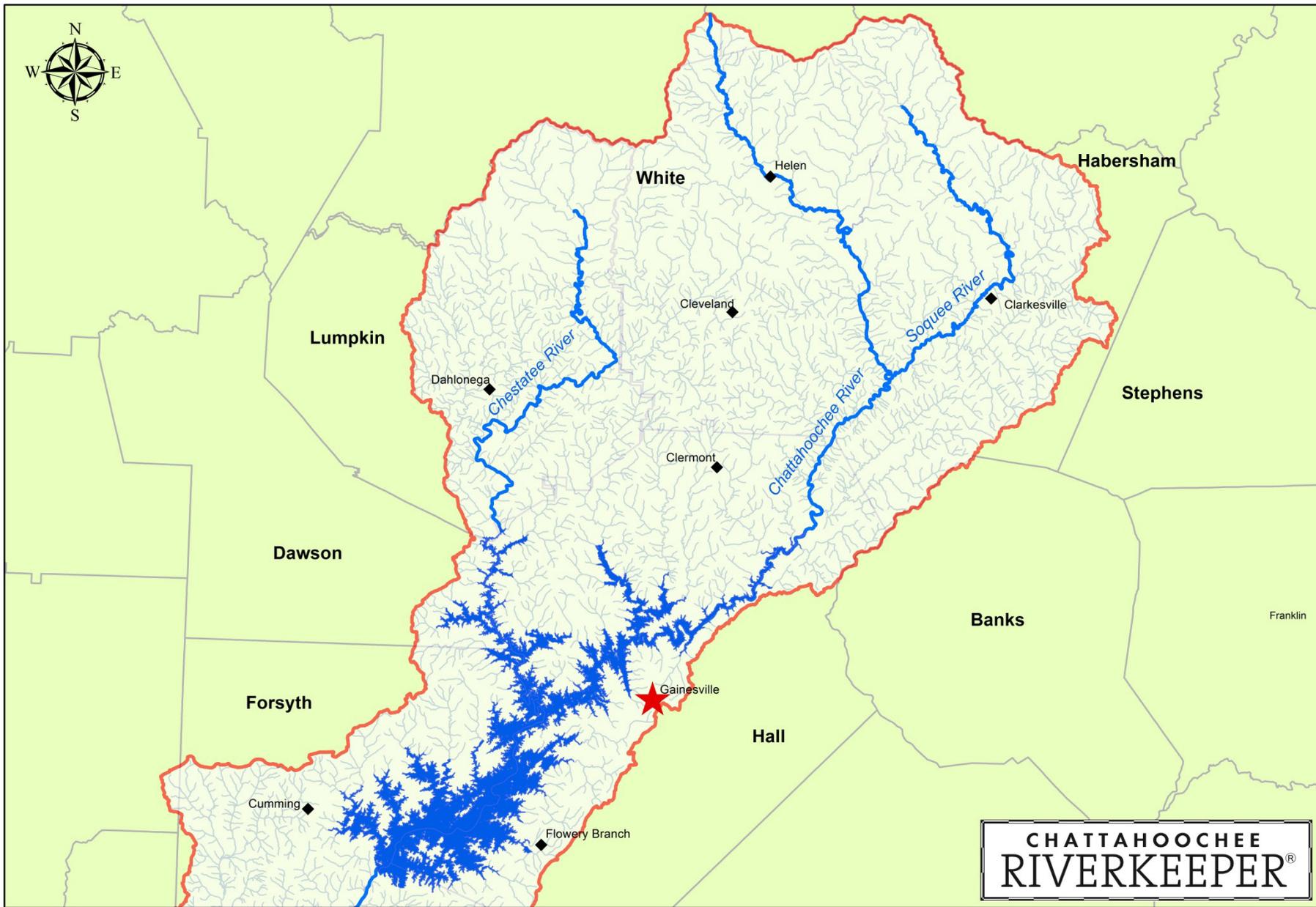
- Lake Lanier
 - Chl-a Standards 5-10 ug/L
- West Point Lake
 - Chl-a Standards 22-24 ug/L
- Walter F. George, aka Eufala
 - Chl-a Standards 15-18 ug/L





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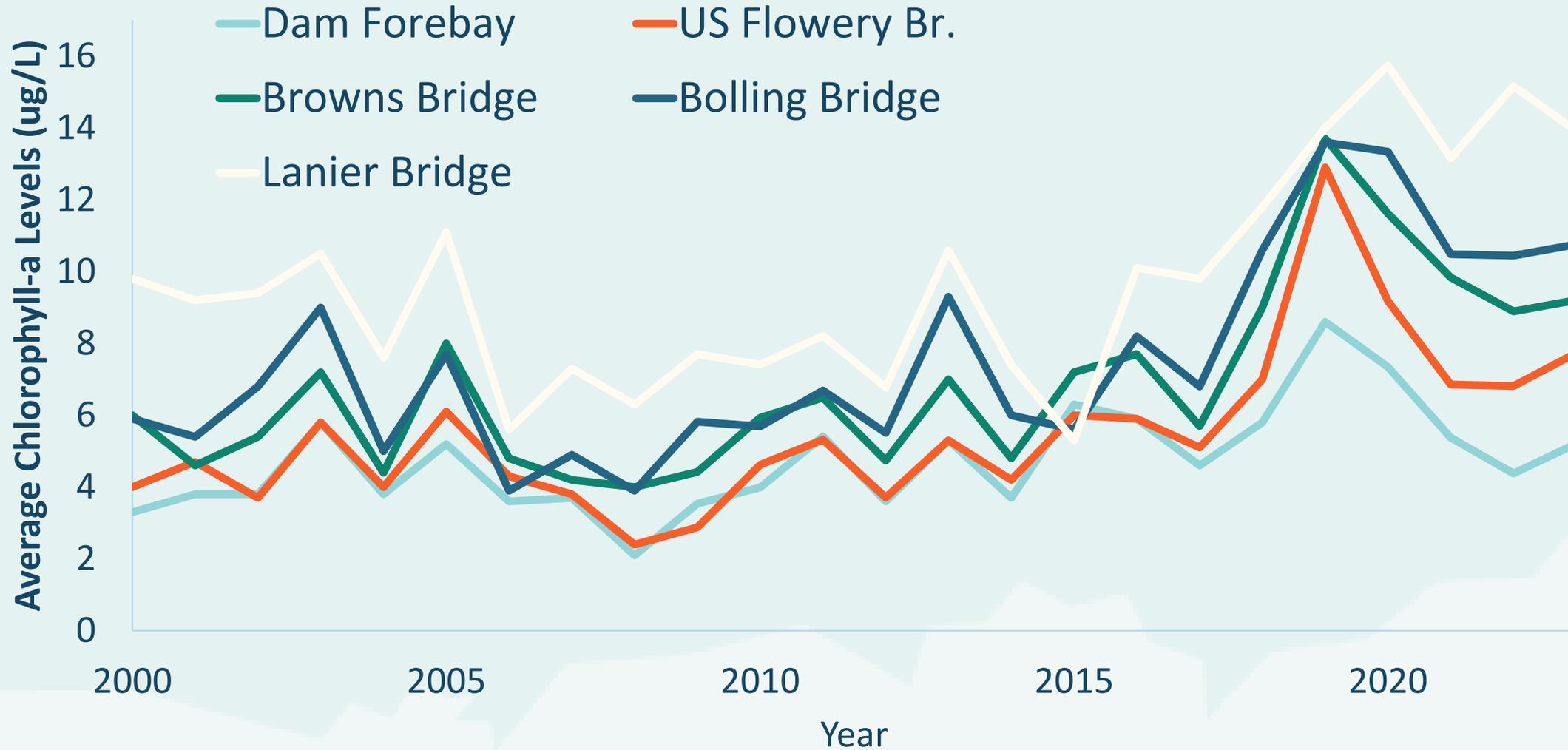




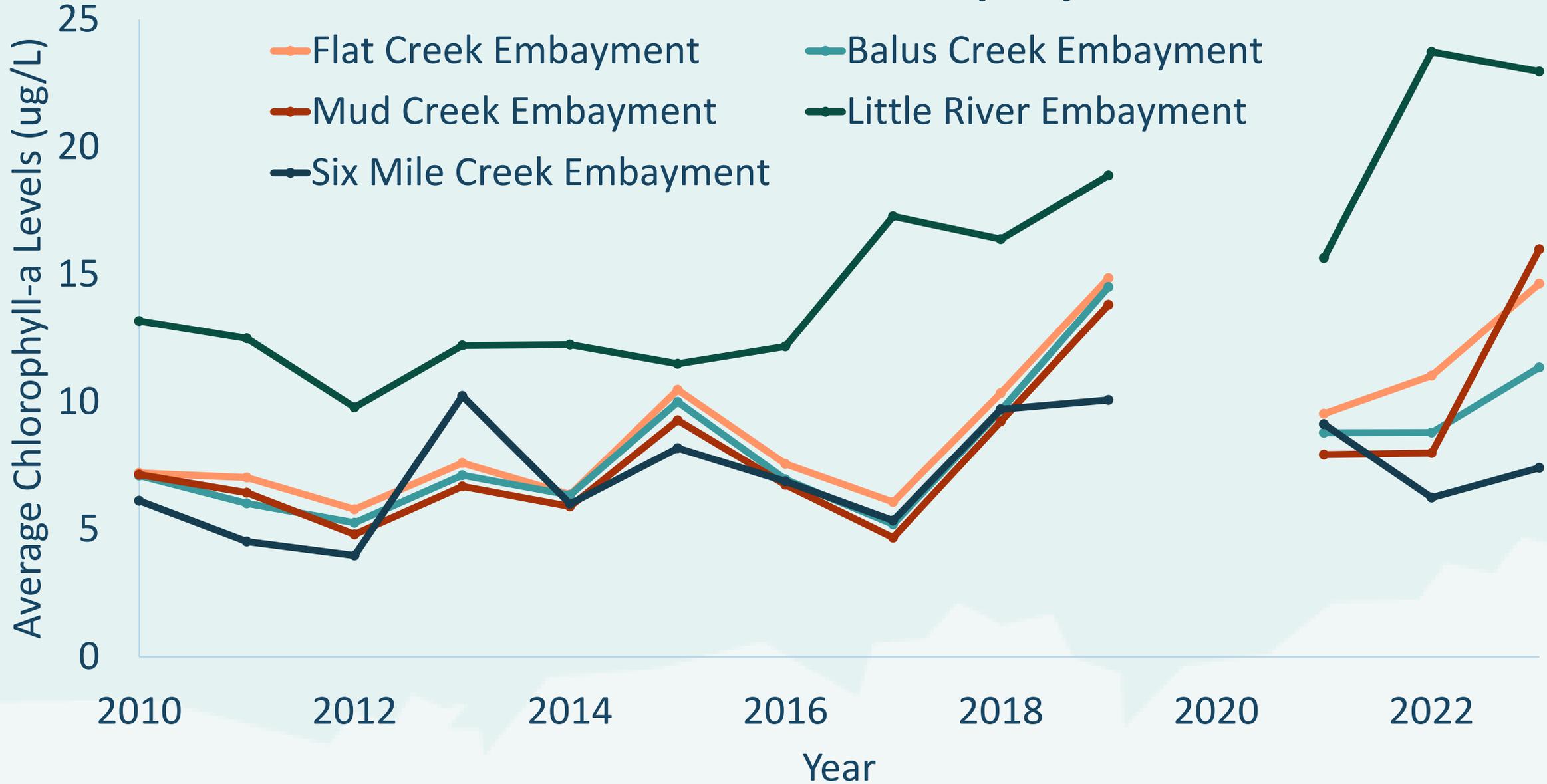
UPPER CHATTAHOOCHEE RIVER BASIN



Lake Lanier Chlorophyll-a



Lake Lanier Chlorophyll-a



Lake Lanier Timeline

- 2000- standards established for Lanier
- 2006- EPD began listing some Lanier sites lists as not-supporting designated uses
- 2007 and on- Upper Chattahoochee Basin Group, other stakeholder groups give feedback on TMDL
- Tributary data from UNG and CRK chl-a informs TMDL
- 2018 TMDL finalized
- 2018 to present- TMDL applied to all new permits and reissuances



Upper Chattahoochee Basin Group (UCBG)
Commenting on Permits
Conducting monitoring



Is the TMDL working?

- Point Sources
 - Wastewater Treatment Facilities - 25
 - MS4s - 9
 - Industrial Storm Water Permits ~156
 - CAFOs
- Nonpoint Sources
 - Wildlife
 - Agriculture
 - Urban and Rural Development
 - Failing Septic Systems, Land Application Systems, local stormwater ordinances



Is the TMDL working?



**Possible HAB,
Lake Lanier,
November 2022**

Updated: Jul 18, 2022 / 05:15 PM EDT

g Dies After Swimming In attahoochee River

died after swimming in the river along Gold Branch Trail in Roswell. attahoochee Riverkeepers are testing for toxic algae blooms.

athleen Sturgeon, Patch Staff

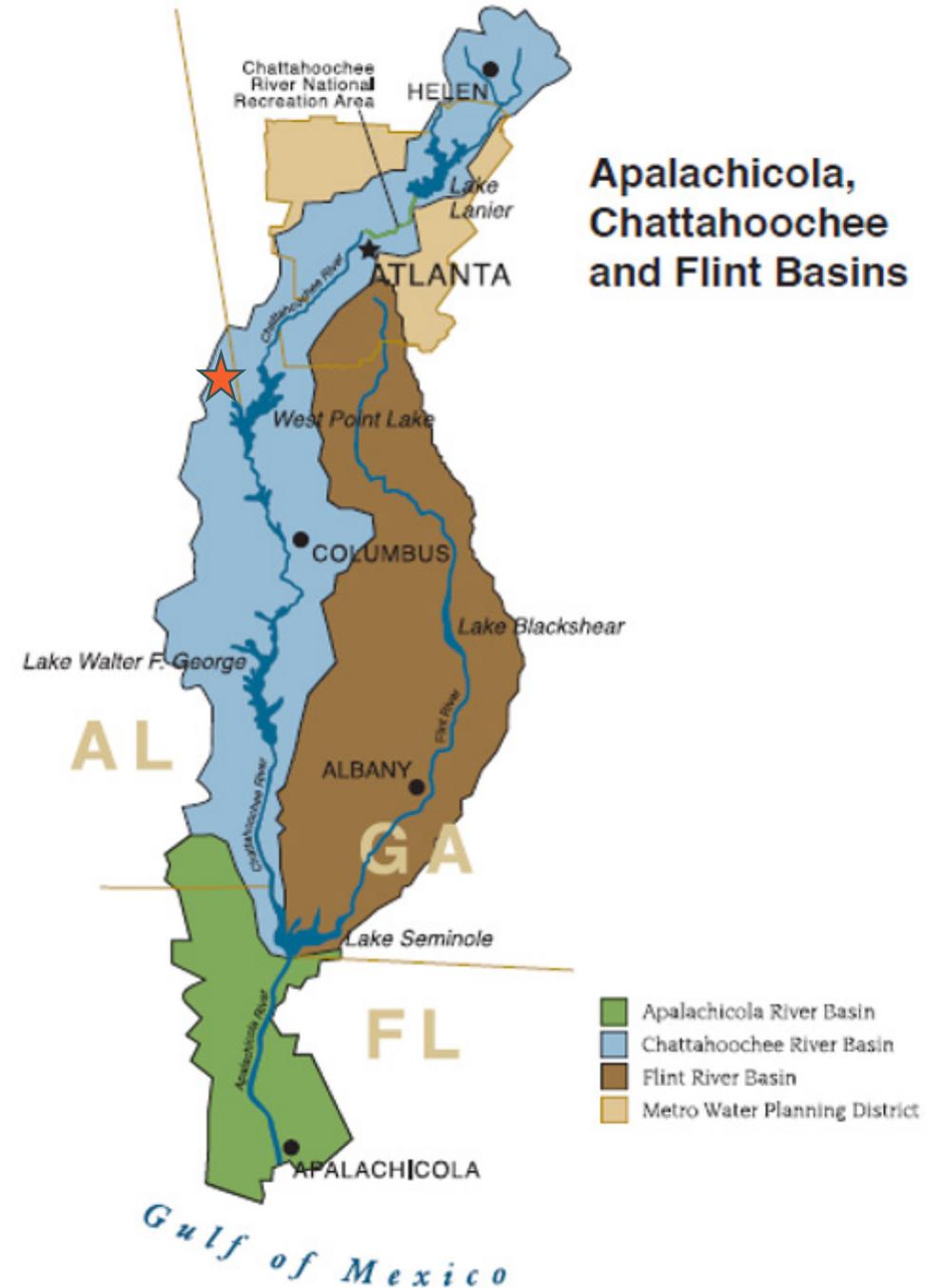
lon, Feb 1, 2021 at 12:12 pm ET

[Reply](#)



West Point Lake Standards

- Standards set in 1997
- Upstream from the Dam in the Forebay: 22 ug/L
- LaGrange Water Intake: 24 ug/L



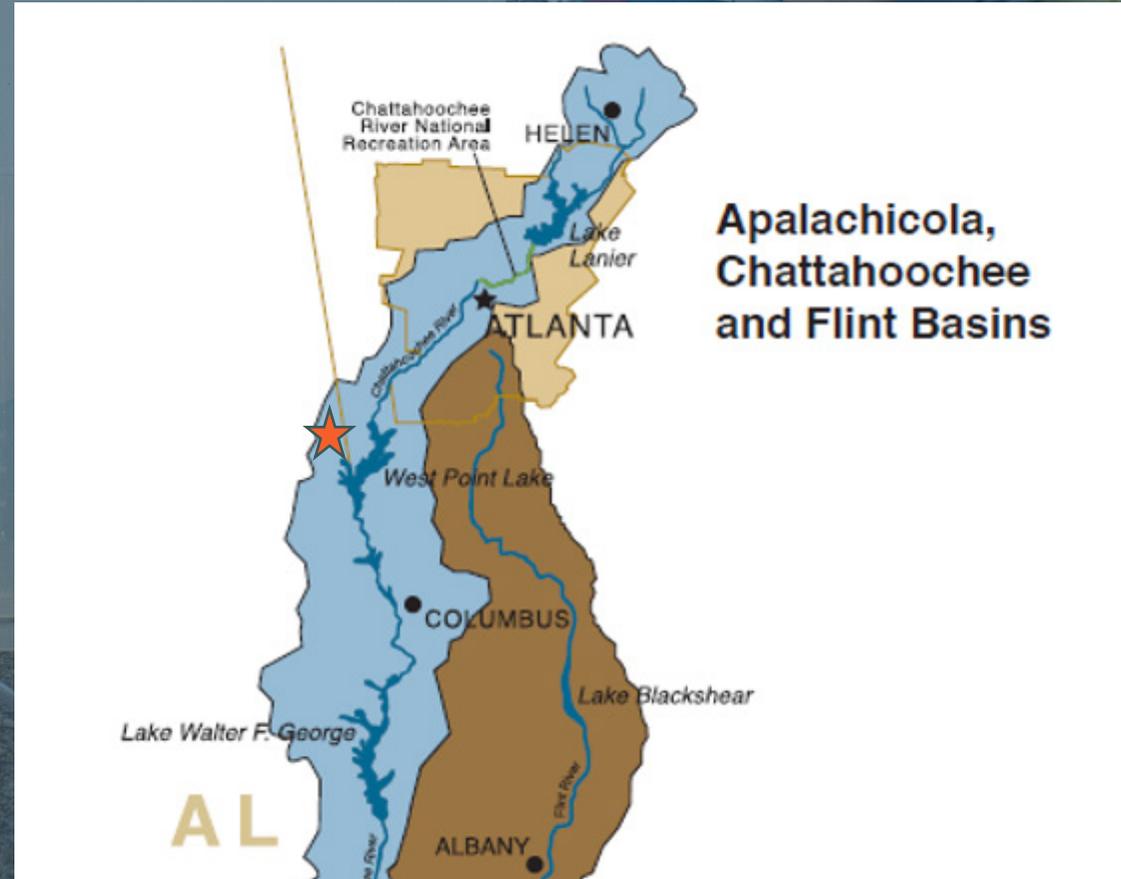


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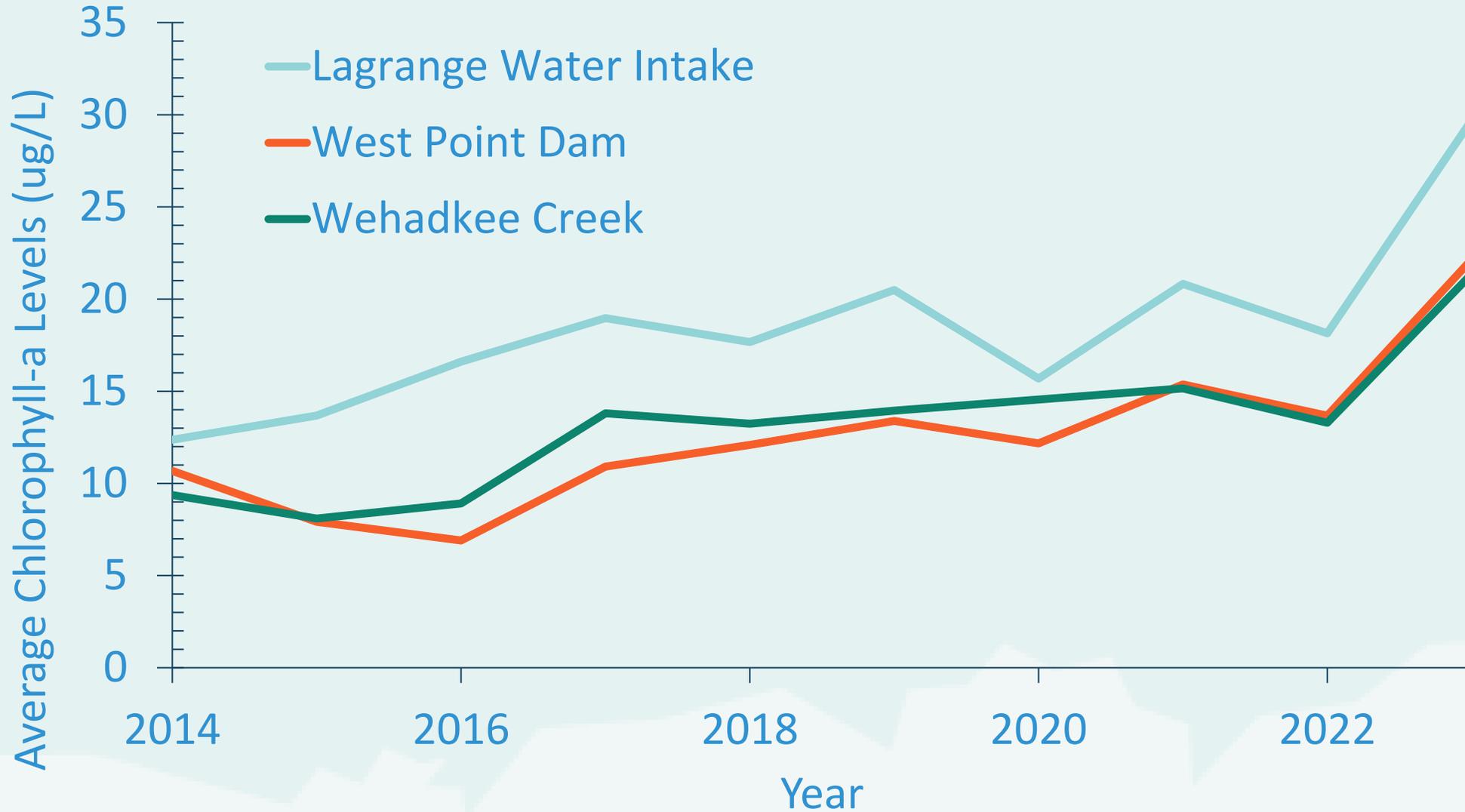
Keeping watch over our waters since 1994

West Point Lake Standards

- Standards set in 1997
- Upstream from the Dam in the Forebay: 22 ug/L
- LaGrange Water Intake: 24 ug/L
- CRK began monitoring in 2014



West Point Lake Chlorophyll a results



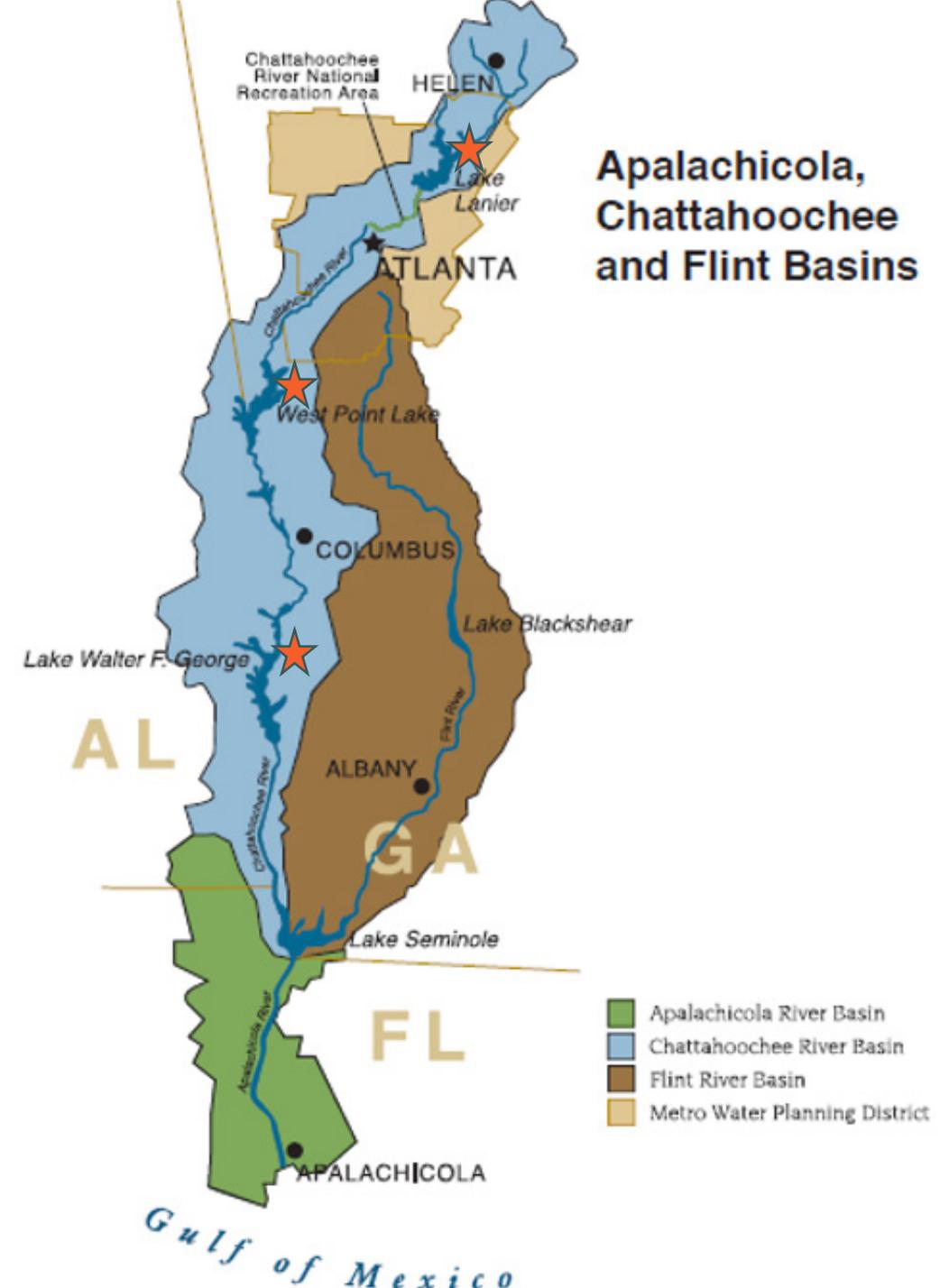
Lake Walter F. George

- Standards set in 1995
 - 18 ug/L at U.S. Highway 82
 - 15 ug/L at dam forebay
- On the 303(d) list for not meeting the standard.
TMDL to be completed in 2027



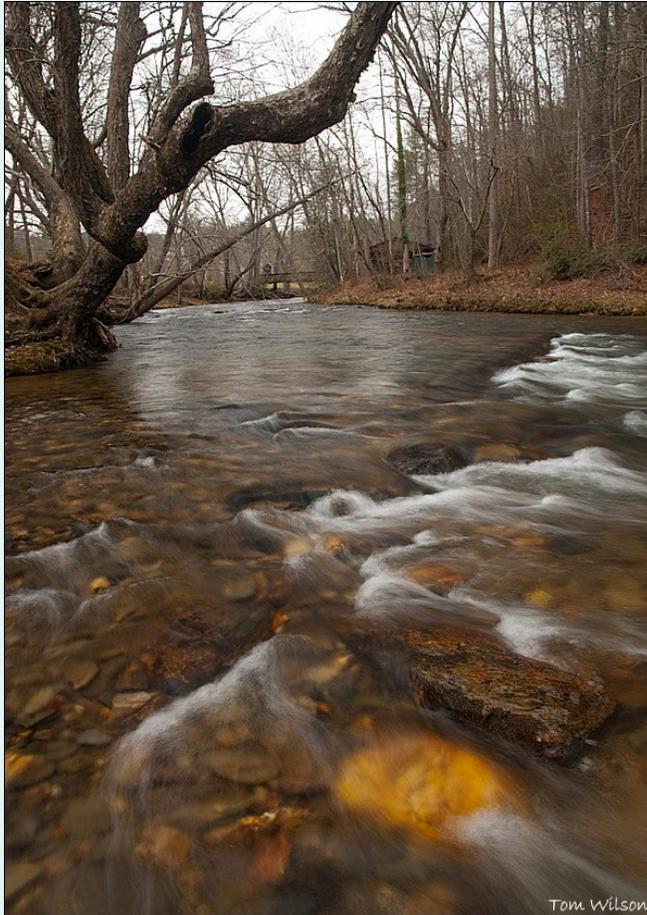
Nutrients important watershed-wide

- Nutrients continue to be a watershed wide problem
- Role of climate change was not considered in TMDL development
- We can't control climate, but we can control the nutrients coming into the system.





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