

Blue-Green Algae Summit

November 3, 2023



My Backyard, Nixonton Community, Little River

My Home
Nixonton
May 2017

Blue is decayed
algae and smells
awful



5/31/2019

Google Maps

Algae Bloom
Little River
May 31, 2019

1600 Acres

Deep Cr.

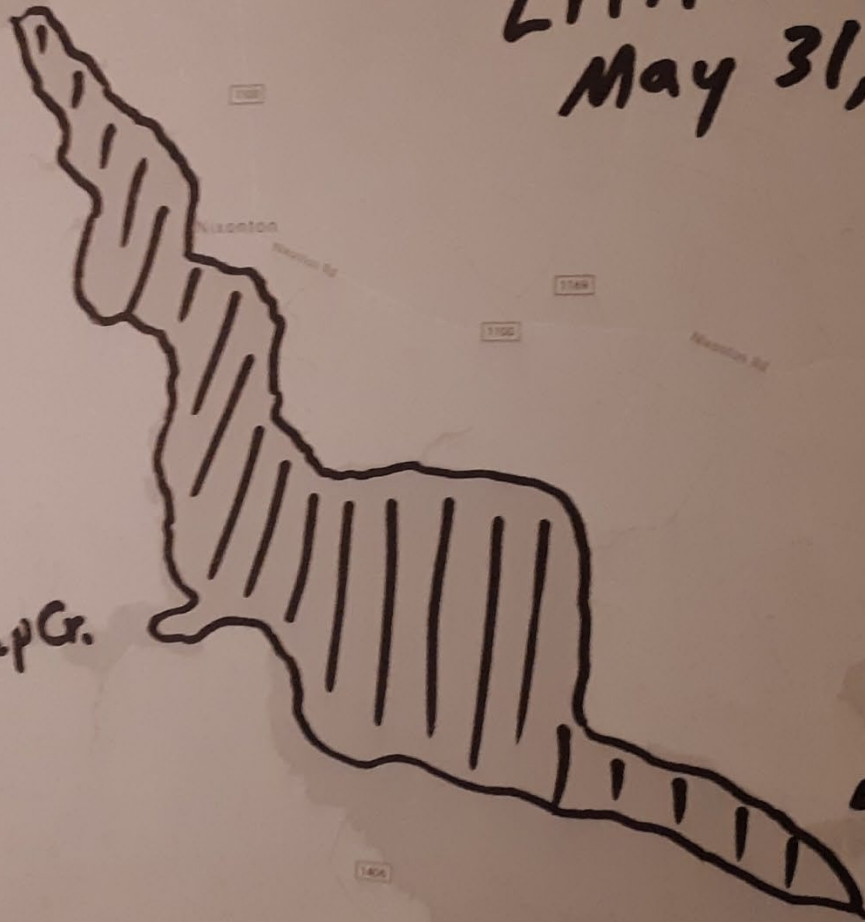
Halls Cr.

Symonds Cr.

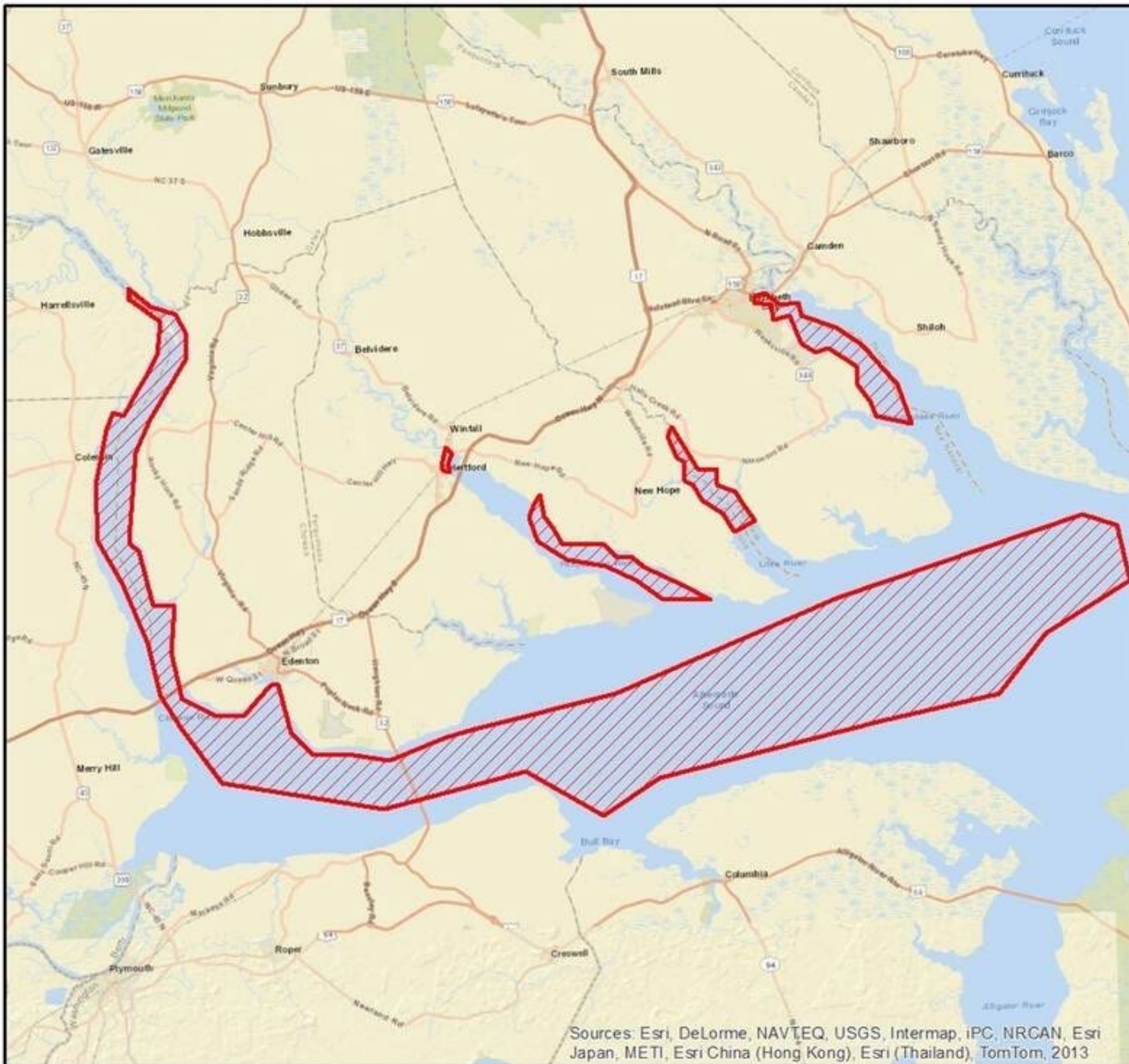
Google

<https://www.google.com/maps/@36.1886316,-76.2756308,14z>


Map data ©2019 2000 ft




Approximate Extent of Algal Blooms in Albemarle Waters 2015-2019



Legend

 Blooms 2015-2019

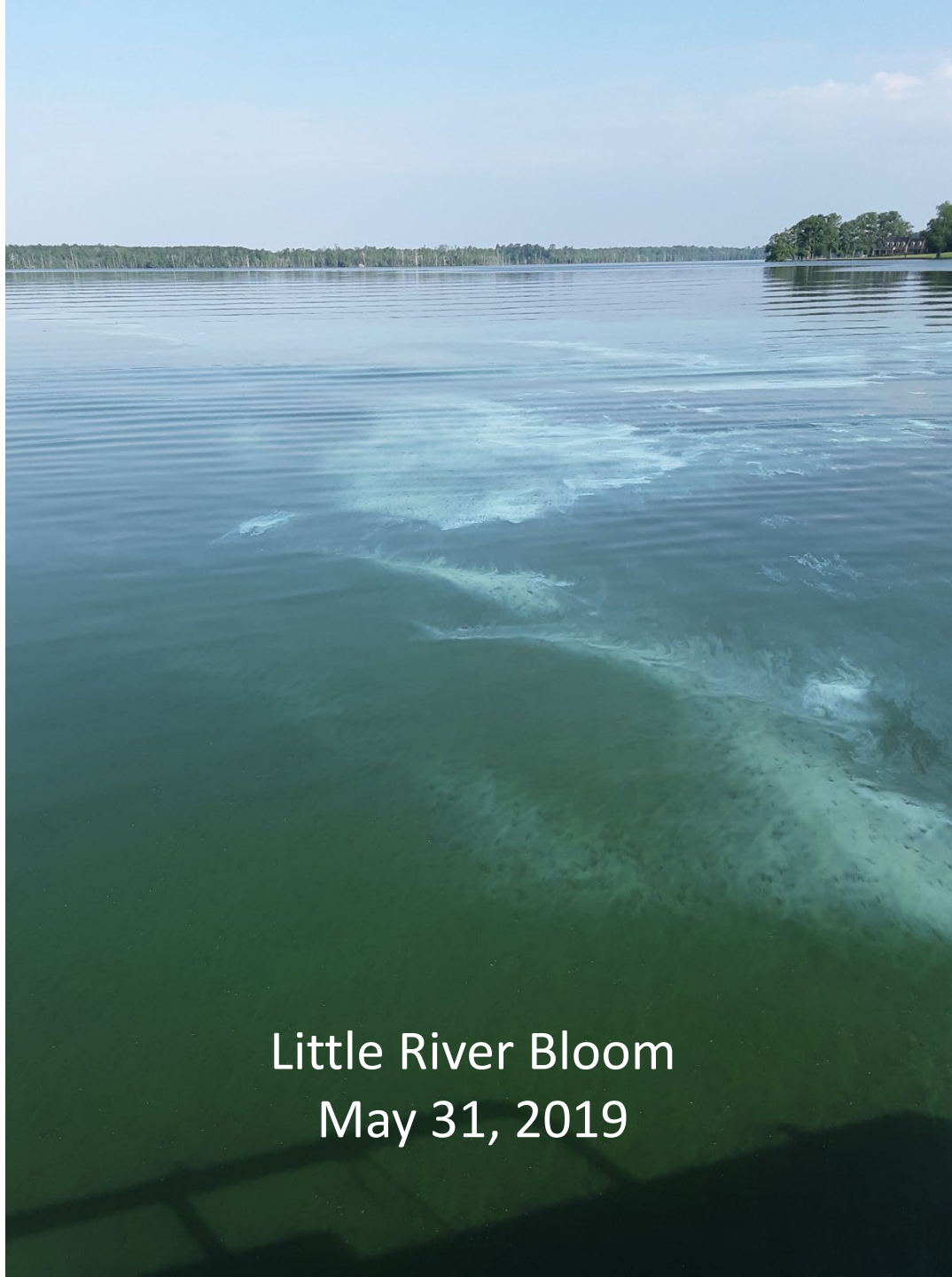
Map author: Mark Powell, Consultant
Albemarle RC&D Council
Date: 12/3/2019 Revision:



0 5 10 Miles

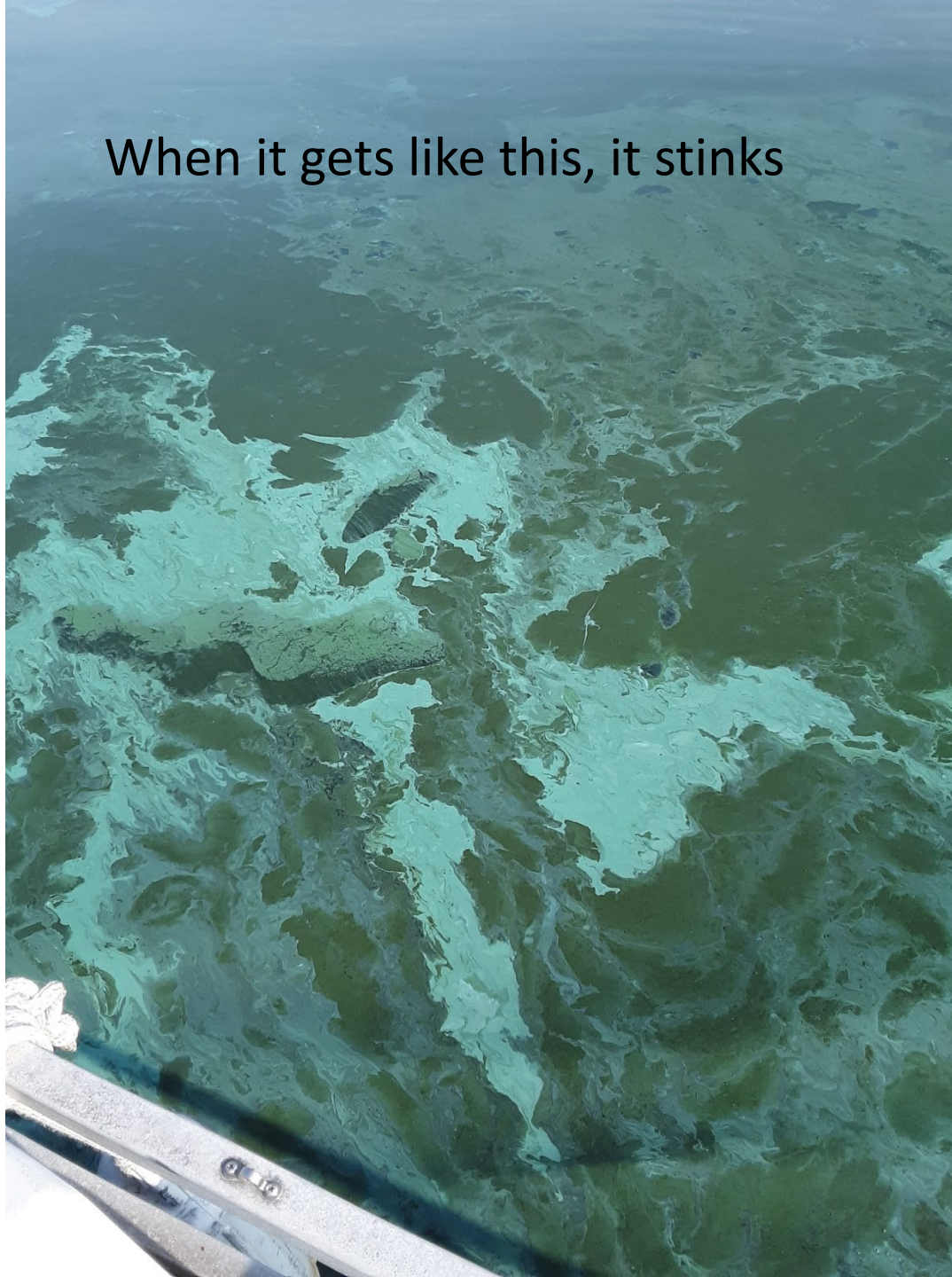


Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013



Little River Bloom
May 31, 2019

When it gets like this, it stinks





August 2019 Upriver near Halls Creek



Fish Gasping for air after bloom, lots dead and food for seagulls
In Rodney's Canal – Dissolved Oxygen Depleted



MORGAN LEADS ROUT

SPORTS US BEATS THAILAND, 1-3-0, AT WC B1

LOCAL IBX Insurance grows into new office site **A3**

NATION Biden, Trump assail each other in dueling Iowa visits **A5**

THE DAILY ADVANCE

Wednesday, June 12, 2019

www.DAILYADVANCE.COM

\$1.25

State issues advisory in response to algal blooms

Blooms seen in sound, other area waterways

BY THE PERQUIMANS WEEKLY

HERTFORD — State officials are urging the public to avoid contact with greenish-blue water in the Albemarle Sound and adjoining waterways given the continued sighting of algal blooms since May 14.

Blooms have been observed along the eastern and western banks of the Perquimans River, in the Pasquotank River near Elizabeth City, and on the western shore of the Chowan

River, officials with the N.C. Division of Water Resources said. Counties currently affected include Bertie, Chowan, Pasquotank and Perquimans. Algal blooms tend to move around due to wind and wave action.

Staff with the Division of Water Resources' Water Sciences Program have been monitoring the bloom. Algae contributing to the bloom have been identified as dolichospermum, which belongs to the algal group cyanobacteria, or bluegreen algae. Algal blooms of this type usually appear bright green but can change to a milky blue when they start

to decay. Decaying algae produces a strong, foul odor that can affect a large area of water.

Some species of cyanobacteria, including dolichospermum, have the ability to produce toxins, called cyanotoxins, which can adversely affect human health. North Carolina has had no reports of adverse health effects in people yet because of the algal bloom. Nonetheless, state health officials encourage the public to avoid contact with large accumulations of algae and to prevent children and pets from swimming or ingesting water in an algal bloom.

State water quality and health officials suggest the following steps to safeguard pets and children from any algal bloom:

- Keep children and pets away from water that appears bright green, blue, discolored or scummy. Do not handle or touch large mats of algae.
- Avoid handling, cooking or eating dead fish.
- Wash thoroughly following exposure to water where an algal bloom is occurring.
- Rinse off pets that have been exposed to water

See **BLOOM**, A4



CHRIS DAY/THE DAILY ADVANCE

State officials are urging the public to avoid contact with greenish-blue water in the Albemarle Sound and adjoining waterways following the sighting of an algal bloom that has lingered in the area since May 14. Seen here on Tuesday afternoon is Charles Creek along Southern Avenue in Elizabeth City.

BLOOM

Continued from A1

where an algal bloom is occurring.

- Seek immediate med-

ical care for a child who appears ill after exposure to an algal bloom.

- Seek immediate veterinary care for a pet that appears to stumble, stagger or collapse after being in a

pond, lake or river.

For more information about potential health effects from algal blooms, visit the N.C. Division of Public Health on the web at <https://publichealth.nc.gov/>.

To learn more about algal blooms in North Carolina, visit the Division of Water Resources on the web at <https://deq.nc.gov/about/divisions/water-resources/>.

POLICE BLOTTER

Currituck Sheriff

A report of simple assault and breaking and entering was turned in May 8 in the

1100 block of Persimmon St., Corolla. Investigating officer: W.M. Davenport.
A report of a non-criminal death investigation was

turned in May 9 in the 100 block of Woodhouse Drive, Grandy. Investigating officer: T.G. Voorhees.
A report of trespassing

was turned in May 10 in the 200 block of Griggs Acres Drive, Point Harbor. Investigating officer: D.M. Hickman.





PR 10

PARKS & RECREATION

Green Saves Green has over 20 Water Watchers sampling and keeping their eyes on the Pasquotank and Little Rivers

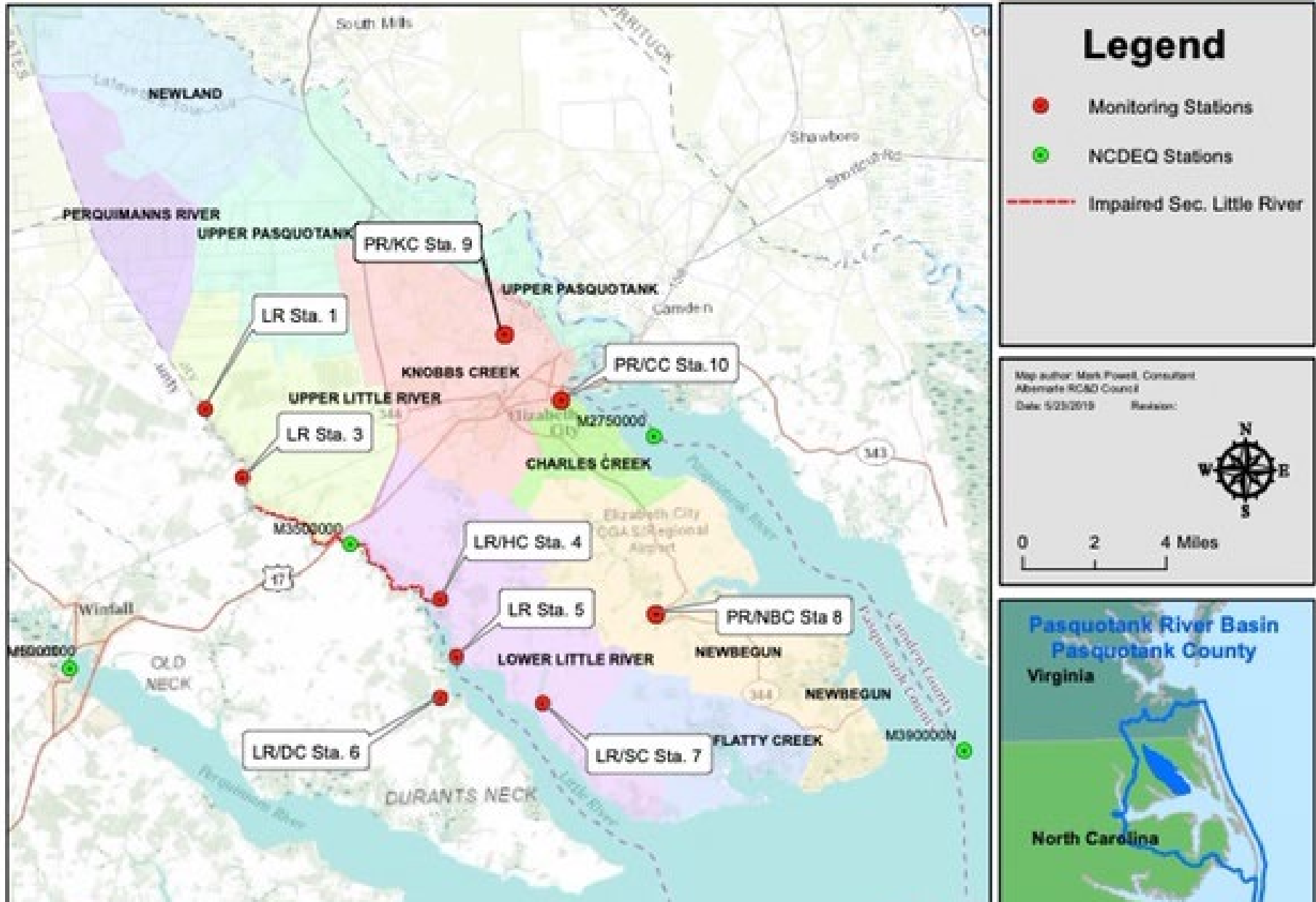
We sample 11 sites monthly by Land And Water
6 sites on Little River and 5 sites on the Pasquotank

Samples are mailed to NCDA, UNC Morehead, and NC State on ice by UPS/Fedex using grant money from RC&D, EEG & SWCD

We sample year round at 7 sites since May 2022
and summer only at 11 sites when algae was common
in our rivers since 2017

Sampling Sites in Little and Pasquotank Rivers

Little River & Pasquotank County Water Quality Monitoring Stations 2019



Chairperson
Of Green Saves
Green, Nita Coleman
“getting down”
while pulling samples



Five ECSU Students Helped Us Collect Samples in September



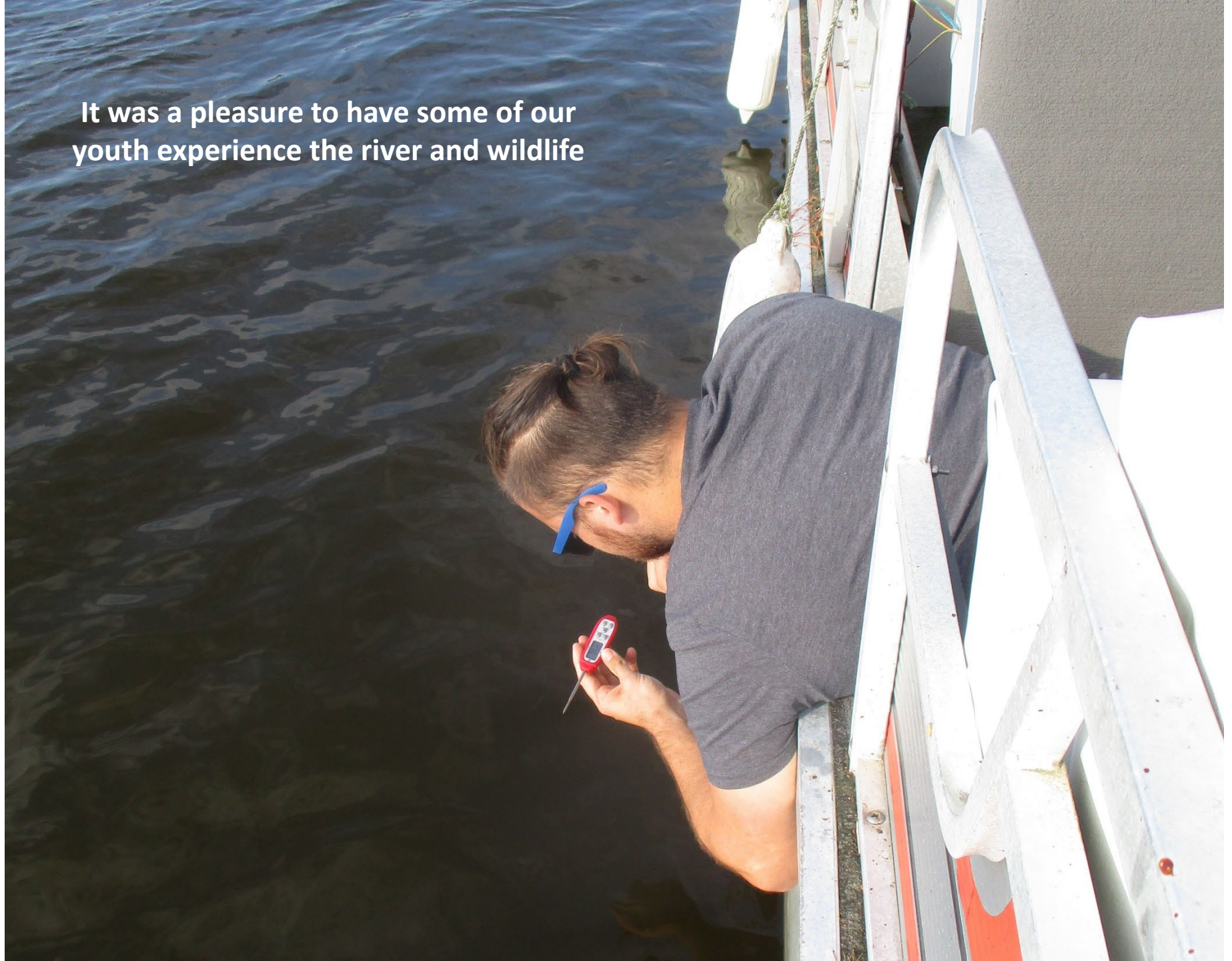
We Let Them Do All The Work While We Supervised





Using Our Meters for DO and Salinity

It was a pleasure to have some of our youth experience the river and wildlife



The priority needs for responding to the algae bloom issues are:

- 1. Enough research to identify the problem**
- 2. Figure out the solutions i.e. BMPs**

AND

We hope our work as Watershed Watchers since 2017 has helped in some small way to determine what is causing these horrible algae blooms in our beautiful rivers and creeks of the Albemarle Area

The End