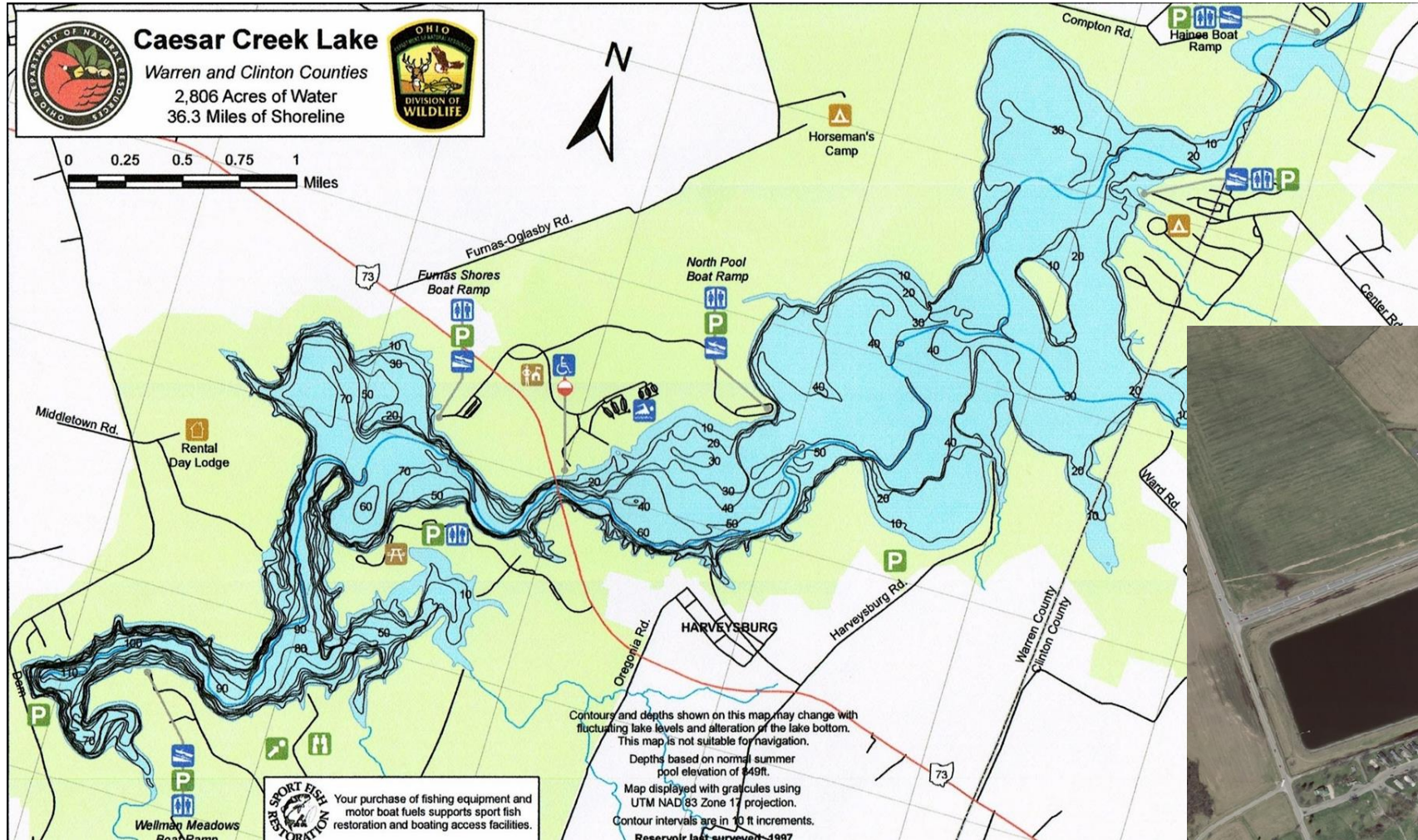
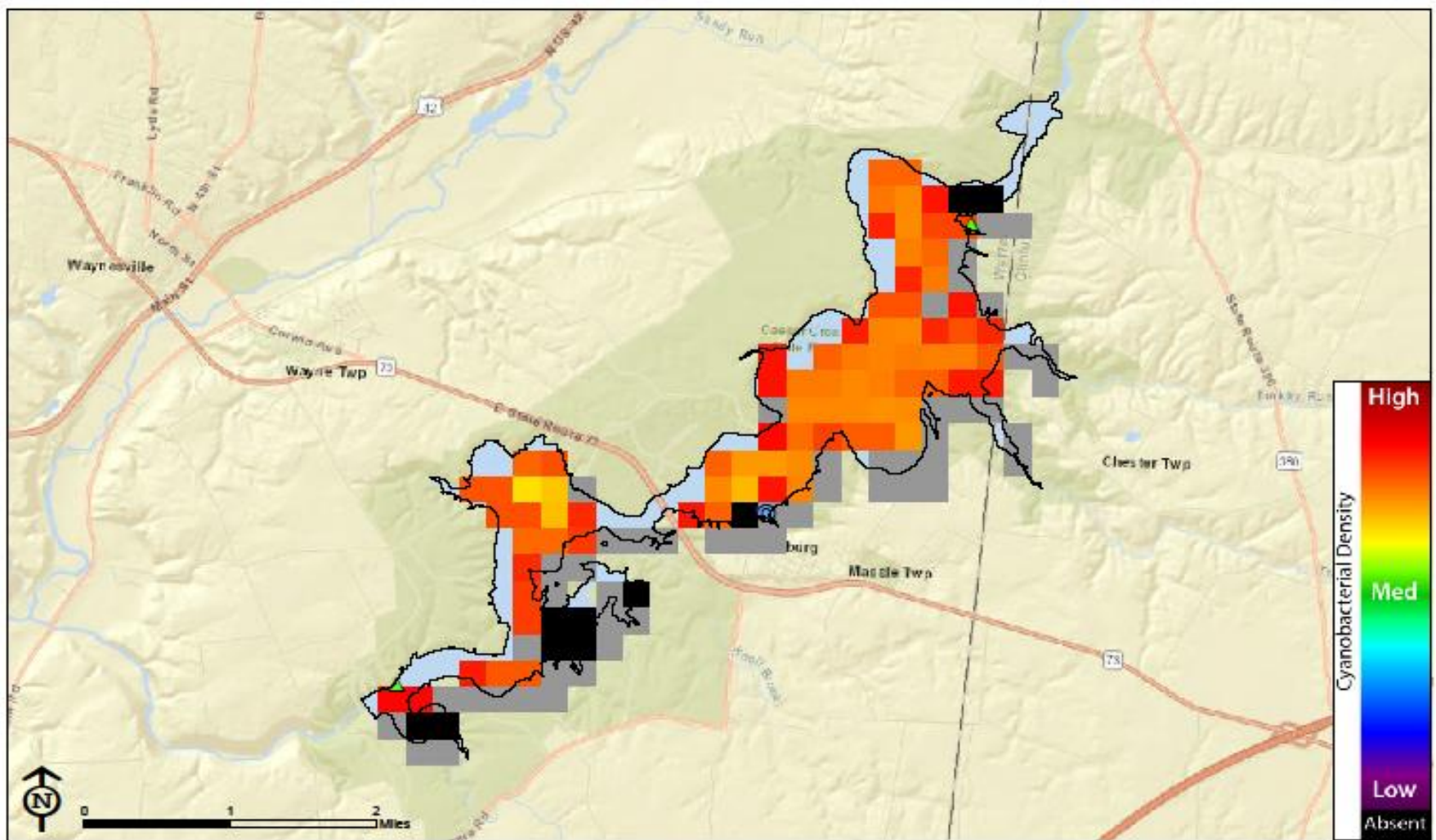


# Wilmington's HAB experience



Two sources on different watersheds





**Harmful Algal Bloom (HAB) Satellite Imagery**  
NOAA - NOS, Copernicus Sentinel-3

This data product is experimental. Cyanobacteria detections should be confirmed and may not indicate presence of cyanotoxins.

Learn more about HABs at [ohioalgaefinfo.com](http://ohioalgaefinfo.com)  
Find beach advisories and sampling data at <http://publicapps.odh.ohio.gov/beachguardpublic>

**Caesar Creek Lake**  
**CLINTON; WARREN COUNTY**

*Satellite Image Taken: 06/21/19*

- ▲ ODNr Sample Sites
- PWS Active Intakes



[EPAHABmailbox@epa.ohio.gov](mailto:EPAHABmailbox@epa.ohio.gov)

*Report Date: 6/24/2019*

# A few of our cyanotoxin detections

## Caesar Creek Lake

- June 2017            Microcystin 12.8 µg/l
- June 2018            Saxitoxin     0.059 µg/l
- June 2019            Microcystin 2.608 µg/l

## Burtonville reservoirs

- July 2017            Cylindrospermopsin 1.07 µg/l
- July 2018            Cylindrospermopsin 0.124 µg/l



# Sonication



Model: Hydro Bioscience Quattro-DB  
Marketed by: Sonic Solutions Northampton, MA  
Note: NSF 61 certified for use in drinking water source



# Additional tools and treatment barriers

- **Data Sonde**
- **Source Water Protection Coordinator**
- **Carbon Contact Basin**

