



LAKE WYLIE
MARINE COMMISSION





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MISSION STATEMENT

**TO PROMOTE PUBLIC POLICIES AND
SUPPORT REGULATIONS FOR THE
PRESERVATION OF LAKE WYLIE AND ITS
WILDLIFE AND FOR THE EDUCATION AND
SAFETY OF THE CITIZENS WHO USE THIS
BEAUTIFUL NATURAL RESOURCE**

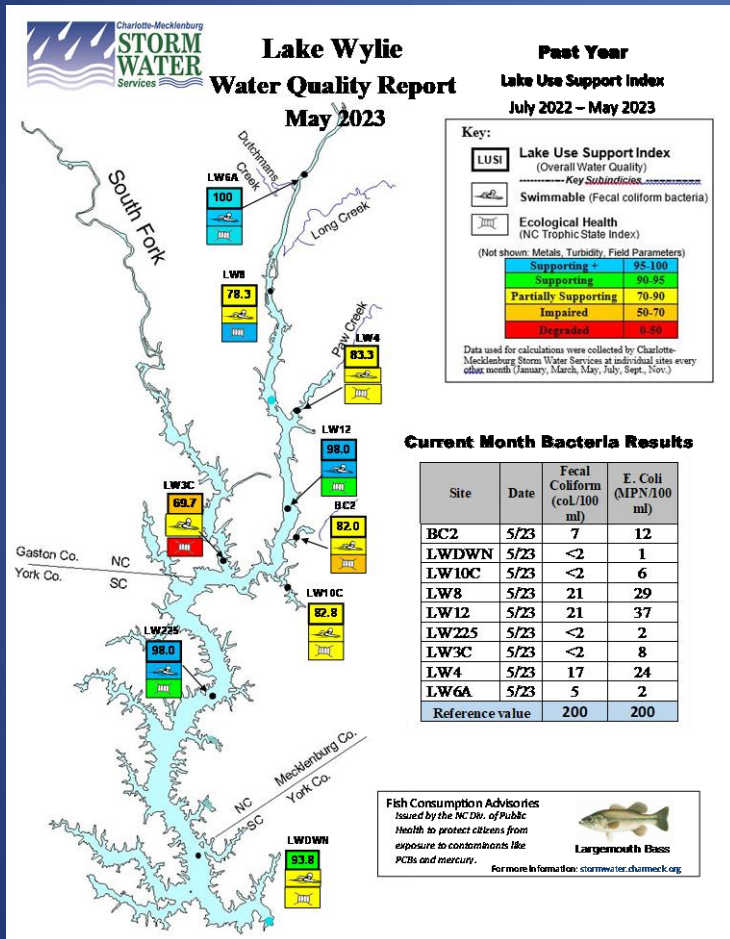
POLLUTION - RIVERSWEEP

- ORGANIZED BY LWMC / CATAWBA RIVERKEEPER
 - SCHEDULED FOR OCTOBER 5th
- FUNDING FROM LWMC, INDIVIDUALS, AND BUSINESSES
- MATERIALS FROM LOCAL BUSINESSES
 - GLOVES, BOTTLED WATER, GRABBERS, TARPS
- COUNTIES PROVIDE DUMPSTERS

WATER QUALITY - SWIM GUIDES

- SPONSORED 2 SWIM GUIDES ON LAKE WYLIE
- CATAWBA RIVERKEEPER PROGRAM
 - SAMPLED FOR E-COLI ON THURSDAYS
 - RESULTS ON WEBSITE APP ON FRIDAYS
 - TO ADVISE WEEKEND SWIMMERS
- OVER 60,000 HITS IN THE 2024 SEASON
 - LAKE WYLIE – 14,000 HITS

WATER QUALITY- DATA



Lake Wylie

- Routine lake monitoring for May conducted on 5/23/23
- Average water temperature on day of sampling = 74.3 F
- Lake level on day of monitoring = 97.2 ft (target = 97.0 ft)
- Average water clarity on day of monitoring = 1.26 m (4.15 ft)

Routine Monitoring	Site	Description
	BC2	Brown's Cove
	LWDWN	Main Channel @ Windjammer Point
	LW10C	Wither's Cove
	LW8	Main channel at Interstate 85 bridge
	LW12	Main channel, downstream of Paw Creek
	LW225	Main channel at Buster Boyd Bridge (Hwy 49)
	LW3C	South Fork Catawba River (at Hwy 273 bridge)
	LW4	Paw Creek Cove
	LW6A	Headwaters, upstream of Dutchman's Creek

Routine Lake Monitoring Efforts (every other month)

Physical Parameters	Wet Chemistry Analyses
• Secchi Depth in meters (water clarity)	• Fecal Coliform Bacteria (CFU/100ml)
• Temperature (°C)	• E.coli Bacteria (MPN/100ml)
• Specific Conductivity (µS)	• Turbidity (NTU)
• Dissolved Oxygen (% and mg/l)	• Nitrate/Nitrite (mg/l)
• pH	• Ammonia (mg/l)
• Turbidity (NTU)	• Total Phosphorus (mg/l)
• Chlorophyll A (RFU)	• Total Kjeldahl Nitrogen (mg/l)
	• Chlorophyll A (µg/l)

Questions/Comments/More information? Please contact:

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LAW ENFORCEMENT

- LIFE JACKETS & CHEM LIGHTS ON ALL POLICE BOATS
- STABILIZING BINOCULARS
YCSO AND CMPD
- GASTON COUNTY POLICE BOAT HOUSE-
NEW LOCATION



SAFETY

- **DANGER BUOYS** - STATES APPROVE AND PLACE
- **NO-WAKE BUOYS**
 - LWMC **SCREENS** APPLICATIONS; STATES APPROVE
 - LWMC **PLACES AND MAINTAINS** NC NO-WAKE BUOYS



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CHARTER BOAT AND RENTAL VESSEL REGULATION WITHDRAWN

- CONFLICT WITH NORTH CAROLINA CONSTITUTION
 - THE GENERAL ASSEMBLY SHALL NOT ENACT ANY **LOCAL**, PRIVATE, OR SPECIAL ACT OR RESOLUTION **REGUALTING TRADE**
 - ANY **LOCAL**, PRIVATE, OR SPECIAL ACT OR RESOLUTION ENACTED IN VILOATION OF THE PROVISIONS OF THIS SECTION **SHALL BE VOID.**
- PURSUING OTHER SAFETY MEASURES

INSURANCE REGULATION

- PERSONAL WATERCRAFT INSURANCE REQUIREMENTS ARE INCONSISTENT BETWEEN NORTH CAROLINA AND SOUTH CAROLINA
- NC – OWNER MUST HAVE COMMERCIAL LIABILITY INSURANCE AND PROVIDE SAME TO RENTEE
- SC – BOTH OWNER AND RENTEE ARE LIABLE; NO INSURANCE REQUIREMENT
- ALIGN THE STATE LAWS FOR LAKE WYLIE



LAW ENFORCEMENT

- INCREASED LAW ENFORCEMENT REPORTS OF UNSAFE JET SKI RENTALS
- “EACH PERSONAL WATERCRAFT RENTED MUST BE COVERED BY A POLICY OF LIABILITY INSURANCE INSURING THE OWNER AND THE RENTEE... SUBJECT TO THE FOLLOWING MINIMUM LIMITS...THREE HUNDRED THOUSAND DOLLARS (\$300,000) PER OCCURRENCE”
- ANOTHER TOOL FOR LAW ENFORCEMENT TO ENHANCE SAFETY

SEDIMENTATION

SEDIMENTATION
IS A CANCER ON
THE LAKE



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SEDIMENTATION – EROSION CONTROL

- **MECKLENBURG COUNTY - STRONGEST EROSION AND STORMWATER CONTROL MEASURES ON LAKE WYLIE**
- **YORK COUNTY - UPGRADED ORDINANCES IN 2019**
- **GASTON COUNTY - AVERSE TO SEVERAL ENHANCED E&SCMS IN PLACE IN MECKLENBURG AND YORK COUNTIES**
- **WITH CATAWBA RIVERKEEPER, PURSUING ENHANCED E&SCMS IN MUNICIPALITY ORDINANCES**

EDUCATION

- CATAWBA-WATEREE WATER MANAGEMENT GROUP'S **CITIZEN'S WATER ACADEMY**
- **MONTHLY NEWSLETTER**
- **MONTHLY MEETINGS** (EXCEPT DECEMBER)
- **MID-ATLANTIC BOAT SHOW**
- **RIVERFEST** IN BELMONT
- **FORK FEST** IN McADENVILLE
- ***LAKEWYLIEMARINECOMMISSION.COM***



ENVIRONMENT - HYDRILLA CONTROL

Carp and Chemicals



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Photo by
Sandy Dupuy

ENVIRONMENT - ALLIGATOR WEED



- THRIPS
- MANUAL REMOVAL

ENVIRONMENT - LYNGBYA (*Microseria wollei*)

- INVASIVE SPECIES OF CYANOBACTERIA
- LYNGBYA APPEARS AS ALGAL “MATS” RISING FROM THE LAKE BED
- NEW TO THE CATAWBA RIVER BASIN 2023-2024
 - LAKE NORMAN - 10 ACRES
 - MT. ISLAND LAKE – 20 ACRES
 - LAKE WYLIE - 4.5 ACRES
- LAKE GASTON -1200 ACRES



ENVIRONMENT - LYNGBYA

- DON'T TOUCH THE MATS
- CAN CAUSE SICKNESS IN CHILDREN AND PETS.
- DON'T WATER SKI OR JET SKI OVER ALGAL MATS
- DON'T USE SCUMMY WATER FOR CLEANING OF IRRIGATION.

ENVIRONMENT - LYNGBYA

- NORTH CAROLINA STATE UNIVERSITY AQUATIC PLANT MANAGEMENT PROGRAM
 - RESEARCHING LAKE GASTON LYNGBYA PROBLEM
 - CHEMICAL TREATMENT IS EFFECTIVE

APRIL TO SEPTEMBER TREATMENTS; 3 TO 4 YEARS
- COST TO TREAT LAKE GASTON
 - \$718K IN 2021
 - 2024 ESTIMATED TO BE \$1.3M
- LAKE NORMAN - \$60K IN 2024
- LAKE WYLIE - \$31K IN 2024



ENVIRONMENT - LYNGBYA

- LYNGBYA ADDED TO THE LIST FOR NC FUNDING, BUT FUNDING IS FOR LAKES THROUGHOUT NC
- LAKE WATEREE ALSO INFECTED WITH LYNGBYA
- STEERING COMMITTEE MET IN LATE AUGUST
 - CONVENE LYNGBYA CONFERENCE IN DECEMBER
 - PRESENT DATA ON EFFICACY OF TREATMENTS
 - LOBBY FOR SPECIFIC FUNDING TO COMBAT LYGNBYA





**We Protect, Preserve, and Promote
Lake Wylie as a Clean and Safe Recreational
Waterway**

**For more information, visit
LakeWylieMarineCommission.com**