



LAKE WYLIE
MARINE COMMISSION





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.

Areas We Address

- SAFETY
- POLLUTION
- ENVIRONMENT
- LAWS AND LAW ENFORCEMENT
- SEDIMENTATION / EROSION CONTROL
- EDUCATION

SAFETY

- DANGER BUOYS -States Approve and Maintain
- NO-WAKE BUOYS
 - LWMC screens applications to NCWRC/SCDNR
 - LWMC places & maintains NC no-wake buoys



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POLLUTION - RIVERSWEEP

- LWMC JOINED THE CATAWBA RIVERKEEPER IN BASIN-WIDE CLEANUPS
- SCHEDULED FOR OCTOBER 7th THIS YEAR, HURRICANE IAN CANCELLED LAST YEAR
- DONATIONS FROM LOCAL BUSINESSES
- GASTON, YORK, AND MECKLENBURG COUNTIES PROVIDE DUMPSTERS

Environment – Hydrilla Control

Carp and Chemicals



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Environment - Alligator Weed



- Thrips
- Manual extraction

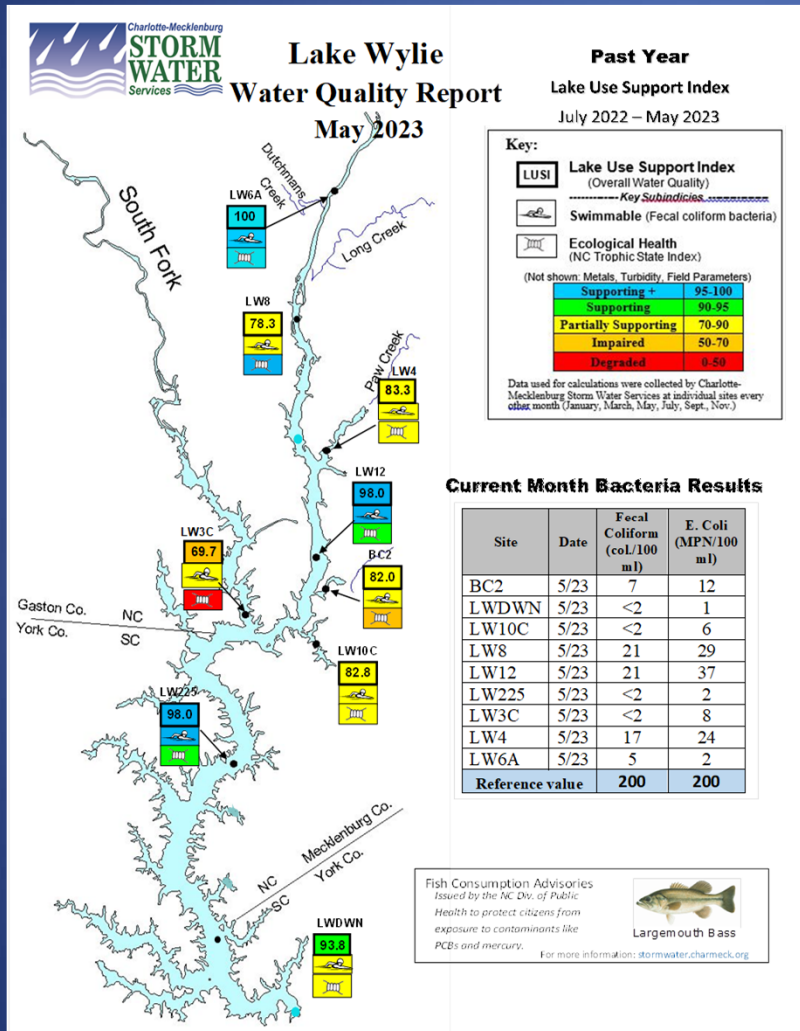
Environment – Clean Marina Program

SOUTH CAROLINA ONLY

- SEWAGE HANDLING
- STORMWATER MANAGEMENT
- BOAT MAINTENANCE
- SOLID WASTE MANAGEMENT
- SAFETY AND EMERGENCY PLANNING
- OIL & OTHER HAZARDOUS WASTE HANDLING



Environment – Water Quality



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	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
<ul style="list-style-type: none"> • Secchi Depth in meters (water clarity) • Temperature (°C) • Specific Conductivity (µS) • Dissolved Oxygen (% and mg/l) • pH • Turbidity (NTU) • Chlorophyll A (RFU) 	<ul style="list-style-type: none"> • Fecal Coliform Bacteria (CFU/100ml) • E.coli Bacteria (MPN/100ml) • Turbidity (NTU) • Nitrate/Nitrite (mg/l) • Ammonia (mg/l) • Total Phosphorus (mg/l) • Total Kjeldahl Nitrogen (mg/l) • Chlorophyll A (µg/l)

Questions/Comments/More information? Please contact:

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Environment – Swim Guides

- SPONSOR 2 SWIM GUIDES ON LAKE WYLIE
- CATAWBA RIVERKEEPER PROGRAM
SAMPLE FOR E-COLI ON THURSDAYS
RESULTS ON SEBSITE APP ON FRIDAY FOR
ADVISING WEEKEND SWIMMERS

LAW ENFORCEMENT

- LIFE JACKETS & CHEM LIGHTS ON ALL POLICE BOATS
- HF RADIOS (YORK, STEEL CREEK & CHARLOTTE FIRE BOATS)
- MEDICAL SUPPLIES (MECKLENBURG)
- SIDE-LOOKING SONAR & BOAT HOUSE (GASTON)



FEDERAL LAW

Title 44 of the Code of Federal Regulations,
Section 60.3(d)(3), communities must "...**prohibit**
encroachments, including fill, **new construction**,
substantial improvements, and other development
within the adopted regulatory floodway unless it has
been demonstrated through **hydrologic and**
hydraulic analyses performed in accordance with
standard engineering practice that the proposed
encroachment would **not result in any increase in flood**
levels within the community during the
occurrence of the base flood discharge."

1976

LAWS / REGULATIONS

Lake-Wide Idle Speed Regulation: **Boats**

No person may operate a boat on Lake Wylie in excess of idle speed within 50 feet of (i) a moored or an anchored vessel, (ii) a person in the water, (iii) any private wharf, (iv) any private dock, (v) any private bulkhead, or (vi) any private pier.

For reference, 52 feet is the width of 4 lanes of I-85

NEW for North Carolina waters of Lake Wylie - enacted in 2023 - NC G.S.77-37(a)

EXISTING South Carolina law- SC 50-21-870 B (6) (b)

LAWS / REGULATIONS

New Lake Wide-Idle Speed Regulation: **Wake Surfing**

:

No one shall Wake Surf on Lake Wylie in excess of idle speed within 200 feet of (i) a moored or an anchored vessel, (ii) a person in the water, (iii) any wharf, (iv) any dock, (v) any bulkhead, or (vi) any pier.

NEW FOR BOTH STATES:

SC 50-21-870 B (10) - enacted in 2022

NC G.S.77-37(a) - enacted in 2023

NEW REGULATIONS

CHARTER BOAT AND VESSEL RENTALS

- UNSAFE VESSELS – UNQUALIFIED “CAPTAINS”
 - CHARTER BOAT OWNER QUALIFICATIONS
 - PERMITS/ LICENSES
 - REQUIRED SAFETY INSPECTIONS /CHECKLISTS
 - LIABILITY INSURANCE
 - ENFORCEMENT
- LAKE NORMAN MARINE COMMISSION MODEL

SEDIMENTATION

**SEDIMENTATION
IS A CANCER ON
THE LAKE**



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Sedimentation– Erosion Control

- BOAT TOUR SEPTEMBER 28 FOR COUNTY OFFICIALS TO VISIT AREAS OF SEDIMENTATION
- ENHANCED STORMWATER AND EROSION CONTROL MEASURES (E&SCMs) SUGGESTED FOR THE SOUTH FORK RIVER
- YORK COUNTY UPGRADED ORDINANCES IN 2019 AFTER BLOWOUTS INTO TORRENCE CREEK AND AT BONUM ROAD



Sedimentation - South Fork River Health Project (SFRHP)

MOU to cooperate on the **Action Plan**

- Several agencies/townships
- Implement enhanced erosion and stormwater control management policies (E&SCMs)

Sedimentation - SFRHP

Not just construction / development projects
in Gaston County

- Bank erosion from livestock in Gaston,
Lincoln, and Catawba Counties
- No buffer protections on the South Fork
- Residents losing docking ability
- Dredging to access the channel

Erosion Control - SFRHP

- New Gaston County enhanced E&SCMs
 - Grading permits issued only after E&SCMs are approved
 - No permits issued before rezoning
 - Phased clearing of sites now required
- Increased budget for more inspectors

Erosion Control – SFRHP

More Opportunities to Strengthen Policies

- Double or single High-hazard silt fencing within 100 feet of streams and wetlands
- Monitor waterways downstream of large development sediment basins
 - Devices identify problems in real time for rapid corrective action
- Expand buffer requirements in all County FEMA floodplains

Erosion Control – SFRHP

- Increase Post-Construction retention pond capacity for to handle a **25-year flood** vs a 10-year flood
- Many of these E&SCMs negotiated in a **conditional rezoning** for the Del Webb development
- Make them **SOP** for Gaston County
- Seek similar E&SCMs in Lincoln and Catawba Counties

Erosion Control - SFRHP

- Engaging the Soil and Water Conservation Districts in all three counties
 - Improve agricultural use & land conservation
- Gaston County can lead in strengthening E&SCMs
 - Encourage upstream neighbors to follow suit
- Pursue state engagement and advocacy for those E&SCM policies

Erosion Control - SFRHP

Cost of Del Webb E&SCMs

< \$200 per lot

Reasonable price to pay to help protect the waterway where the new the residents chose to live

Education

- Catawba-Wateree Water Management Group Citizens' Water Academy
- Monthly Newsletter and meetings (except December)
- Mid-Atlantic Boat Show, Catawba Riverkeeper Foundation RiverFest and Garibaldi Festival in Belmont
- Lakewyliemarinecommission.com/environment/
“Why is Lake Wylie Brown”



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

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