



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
- Law Enforcement & Laws
- Environment
- Pollution / Sedimentation
- Education

Safety – Buoys

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



Safety – Life Jacket Program



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Law Enforcement

- Life jackets on Police Boats
- Provide funds for unbudgeted emergent needs
- FERC application for norther boat house to stakeholders



Laws

- South Carolina No-Wake Idle Speed
50 feet around any dock or marina
NEW Wake surfing - 200 foot limit from
docks, persons in the water
- North Carolina No-Wake Idle Speed
50 yards around only public docks and
marinas

Lake Norman – 50 yards around **any** dock

No wake surfing limit In North Carolina

LWMC Proposed Regulations

- No person may operate a personal watercraft, specialty propcraft, or vessel while upon the waters of Lake Wylie in excess of idle speed within 50 feet of a moored or an anchored vessel, person in the water, or any private wharf, dock, bulkhead, or pier not already within a designated no-wake zone or within 50 yards of any public boat-launching ramp, dock, pier, marina, boat storage structure, or boat service area.
- No one shall wake surf on Lake Wylie in excess of idle speed within 200 feet of a moored vessel, wharf, dock, bulkhead, pier, or person in the water.

LAWS

No-Rise Certification

Communities must prohibit construction of docks in the floodway unless hydrologic and hydraulic analyses* show the dock would not result in any increase in flood levels during the occurrence of the base flood discharge. (Title 44, CFR 60.3d)

Gaston – Cited for not requiring the analyses

Mecklenburg – Ordinances waive the rule

York – Investigating; SCDNR confirms the rule

*\$10,000

Environment – RIVERSWEEP

- LWMC partnered with Catawba Riverkeeper in a basin-wide cleanup
- 2021 RIVERSWEEP Results:
 - 1700 Volunteers, 55 Sites – 53,585 lbs. of trash collected for from Lake James to Lake Wateree
 - Lake Wylie
458 Volunteers, 10 Sites 9000 lbs. of trash

Environment – Catawba Riversweep



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Environment – Hydrilla Control

Carp and Herbicides



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Photo by
Sandy Dupuy

Environment - Alligator Weed



- Thrips

Environment – Clean Marina Program

SOUTH CAROLINA ONLY

- Sewage handling
- Storm water management
- Solid waste management
- Safety and emergency planning
- Oil and other hazardous waste handling



Environment – Water Quality



Lake Wylie Water Quality Report July 2022

Past Year

Lake Use Support Index
September 2021 – July 2022

Key:

	Lake Use Support Index (Overall Water Quality)
	Swimmable (Fecal coliform bacteria)
	Ecological Health (NC Trophic State Index)
(Not shown: Metals, Turbidity, Field Parameters)	
	Supporting+ 95-100
	Supporting 90-95
	Partially Supporting 70-90
	Impaired 50-70
	Degraded 20-50

Data used for calculations were collected by Charlotte-Mecklenburg Storm Water Services at individual sites every other month (January, March, May, July, Sept., Nov.)

Current Month Bacteria Results

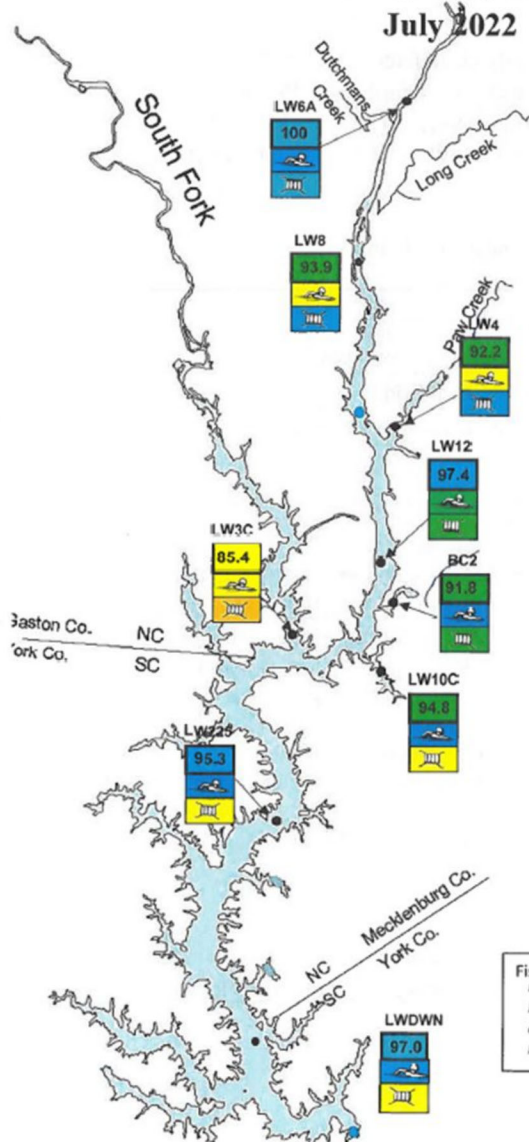
Site	Date	Fecal Coliform (col/100 ml)	E. Coli (MPN/100 ml)
BC2	7/26	8	10
LWDWN	7/26	2	1
LW10C	7/26	4	2
LW8	7/26	43	37
LW12	7/26	5	5
LW225	7/26	1	5
LW3C	7/26	1	1
LW4	7/26	1	1
LW6A	7/26	13	10
Reference value		200	200

Fish Consumption Advisories
issued by the NC Div. of Public
Health to protect citizens from
exposure to contaminants like
PCBs and mercury.



Largemouth Bass

For more information: stormwater.charmeck.org



Lake Wylie

- Routine lake monitoring for July conducted on 7/26/22
- Average water temperature on day of sampling = 86.6 F
- Lake level on day of monitoring = 96.7 ft (target = 97.0 ft)
- Average water clarity on day of monitoring = 1.38 m (4.19 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:

Dave Ferguson, Sr. Environmental Specialist dave.ferguson@mecknc.gov

Environment – Swim Guides

- CATAWBA RIVERKEEPER PROGRAM
 - Memorial Day through Labor Day
 - Sample for E-Coli on Thursdays; results on
on Fridays on website APP to advise
weekend swimmers
 - LWMC sponsors 2 sites
 - Over 10,000 hits in Lake Wylie
 - 1500 at Ebenezer park

Pollution and Sedimentation

**SEDIMENTATION
IS A CANCER ON
THE LAKE**



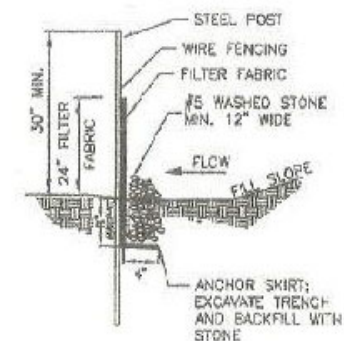
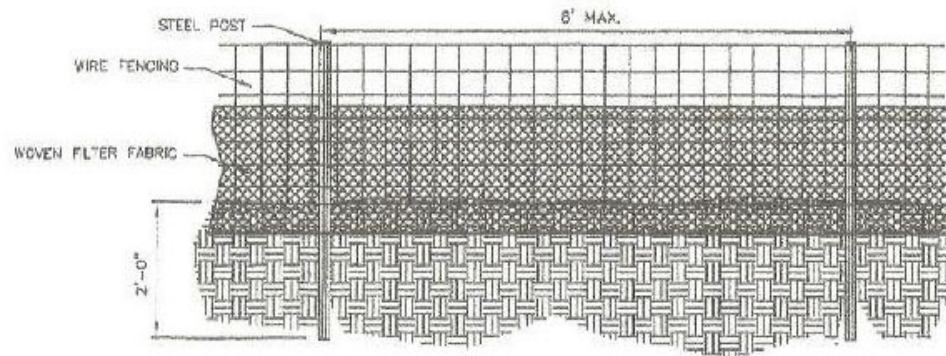
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Sedimentation– Erosion Control

- Boat tour in June with Mecklenburg and Belmont City officials
- South Fork River worsening
- Enhanced Stormwater Controls being implemented in Gaston County



Sedimentation - Erosion Control



GENERAL NOTES:

1. FILTER FABRIC FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
4. WIRE FENCING SHALL BE AT LEAST #10 GAGE WITH A MINIMUM OF 6 LINE WIRES WITH 6" STAY SPACING.
5. TURN SILT FENCE UP SLOPE AT ENDS.
6. WIRE AND WASHED STONE IS REQUIRED TO BE SHOWN ON PLANS AT THE TOE OF SLOPES GREATER THAN 10 FEET VERTICAL (2:1 SLOPE)
7. CRANE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
8. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE.
9. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
10. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDING.

NOT TO SCALE

APPENDIX A

HIGH HAZARD
TEMPORARY SILT FENCE

Sedimentation - Erosion Control

South Fork River

- Major sedimentation build up off Belmont
 - New “islands”
 - Residents angry about inability to access main channel and use their docks
- LWMC petitioned NCWRC to relocate Danger buoys
- Paradise Point residents dredged to exit their cove

Sedimentation - Erosion Control

South Fork River Health Committee

- MOU to cooperate on the **Action Plan**
 - Implement enhanced stormwater management policies
 - Improve water quality
 - Manage the watershed
 - Enhance river awareness and recreational opportunities

Education

- Catawba-Wateree Water Management Group Citizens' Water Academy
- Monthly Newsletter and meetings (except December)
- Mid-Atlantic Boat Show, Catawba Riverkeeper RiverFest, and the Garibaldi Fest in Belmont
 - Brochures on carbon monoxide poisoning, electrical shock, safe wake surfing



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

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