

# Lake Wylie

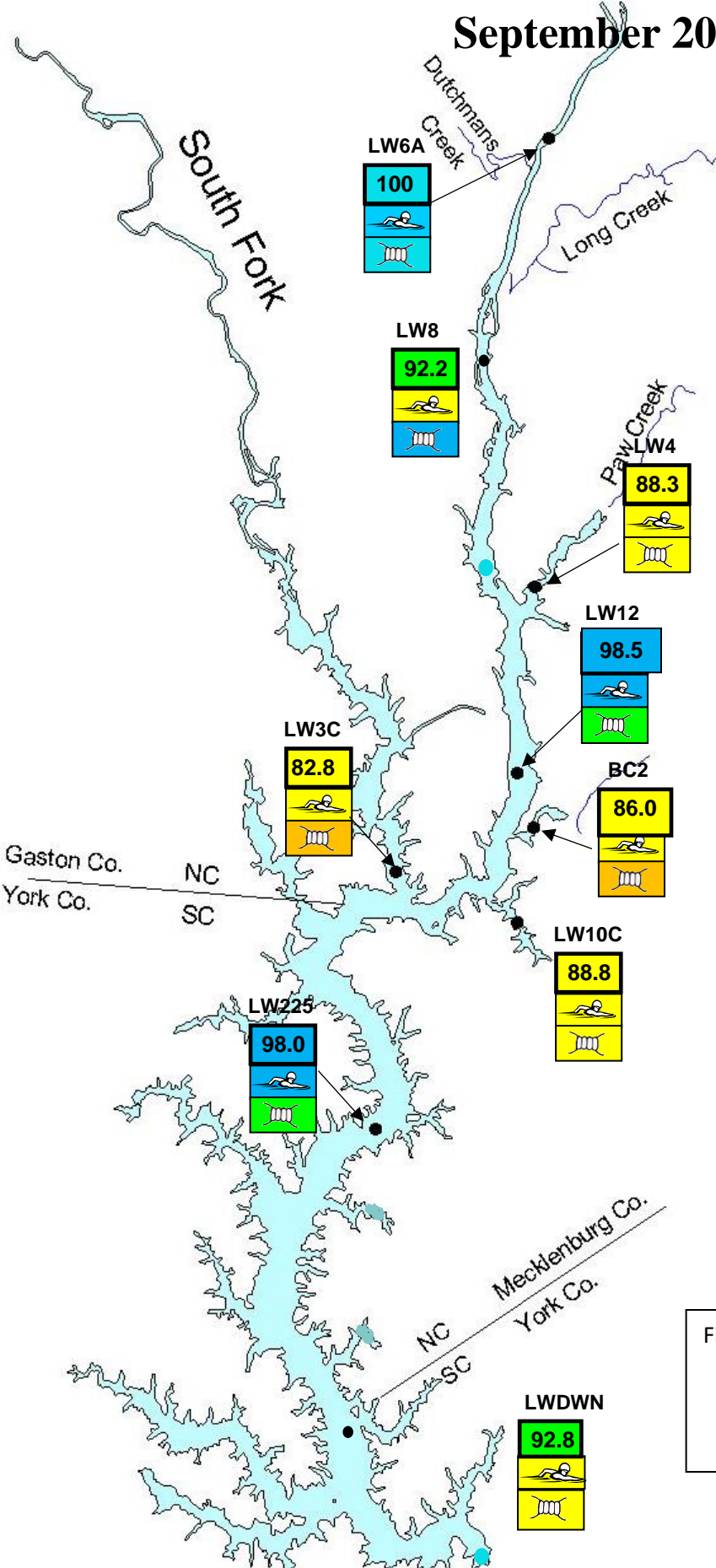
## Water Quality Report

### September 2023

**Past Year**

**Lake Use Support Index**

November 2022 – September 2023



**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	0-50

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	9/21	6	1
LWDWN	9/21	4	1
LW10C	9/21	2	2
LW8	9/21	17	9
LW12	9/21	4	1
LW225	9/21	5	3
LW3C	9/21	4	1
LW4	9/21	4	3
LW6A	9/21	4	7
<b>Reference value</b>		<b>200</b>	<b>200</b>

### 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](http://stormwater.charmeck.org)

# Lake Wylie

- Routine lake monitoring for September conducted on 9/21/23
- Average water temperature on day of sampling = 79.5 F
- Lake level on day of monitoring = 96.8 ft (target = 97.0 ft)
- Average water clarity on day of monitoring = 1.63 m (5.36 ft)

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

Questions/Comments/More information? Please contact:

Dave Ferguson, Sr. Environmental Specialist [dave.ferguson@mecknc.gov](mailto:dave.ferguson@mecknc.gov)