

# Lake Norman

<ul style="list-style-type: none"> <li>• Routine lake monitoring for September conducted on 9/11/23</li> <li>• Average water temperature on day of sampling = 87.1 F</li> <li>• Lake level on day of monitoring = 96.9 ft (target = 97.5 ft)</li> <li>• Average water clarity on day of monitoring = 3.3 m (10.83 ft)</li> </ul>		
<b>Routine Monitoring Sites</b>	LN1	Lake Norman Dam
	LN2	Ramsey Creek Arm
	LN4	Main channel (Governor's Island)
	LN5	CMU water intake (Blythe)
	LN9	Davidson Creek arm
	LC2	Center of Lake Cornelius (towards 77 causeway) (sampled 9/6/23)
	LD2	Center of Lake Davidson (Meck. County drainage) (sampled 9/6/23)
<b>Routine Lake Monitoring Efforts (every other month)</b>		
<b>Physical Parameters</b>		<b>Wet Chemistry Analyses</b>
<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:

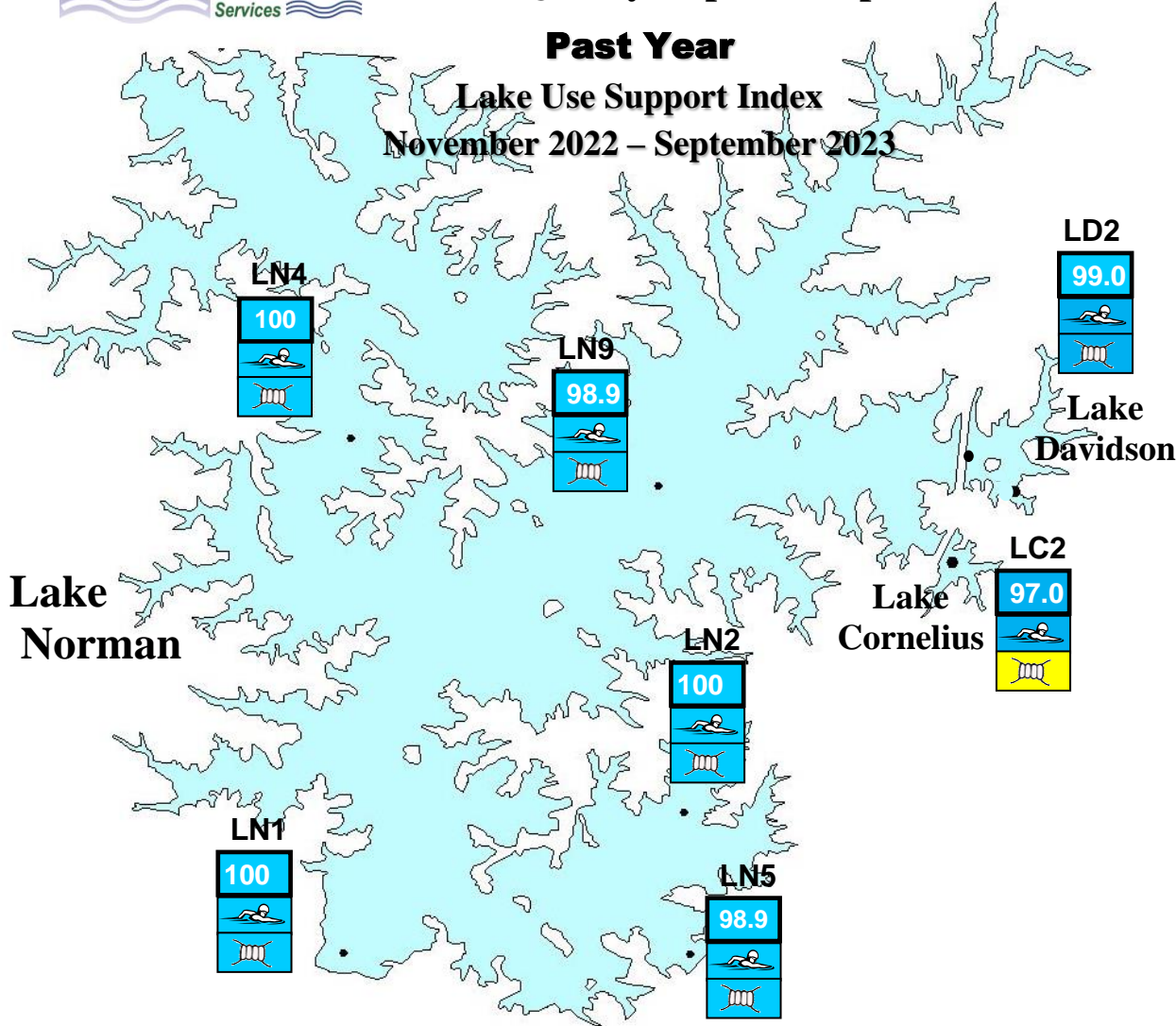
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# Lower Lake Norman Area Water Quality Report – September 2023

## Past Year

### Lake Use Support Index November 2022 – September 2023



LUSI  
Key:



### Lake Use Support Index

(Overall Water Quality)

----- Key Subindices -----



**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 ID	Date	Fecal Coliform col./100 ml.	E. coli MPN/100 ml	NC WQ Standards Violations ?
LN1	9/11	5	4	NO
LN2	9/11	3	1	NO
LN4	9/11	1	6	NO
LN5	9/11	2	1	NO
LN9	9/11	1	1	NO
LC2	9/6	2	5	NO
LD2	9/6	1	1	NO

## Fish Consumption Advisories

Issued by the NC Division of Public Health to protect citizens from exposure to contaminants like PCBs and mercury.



Largemouth Bass



Striped Bass



Hybrid Striped Bass

For more information visit: [stormwater.charmeck.org](http://stormwater.charmeck.org)