

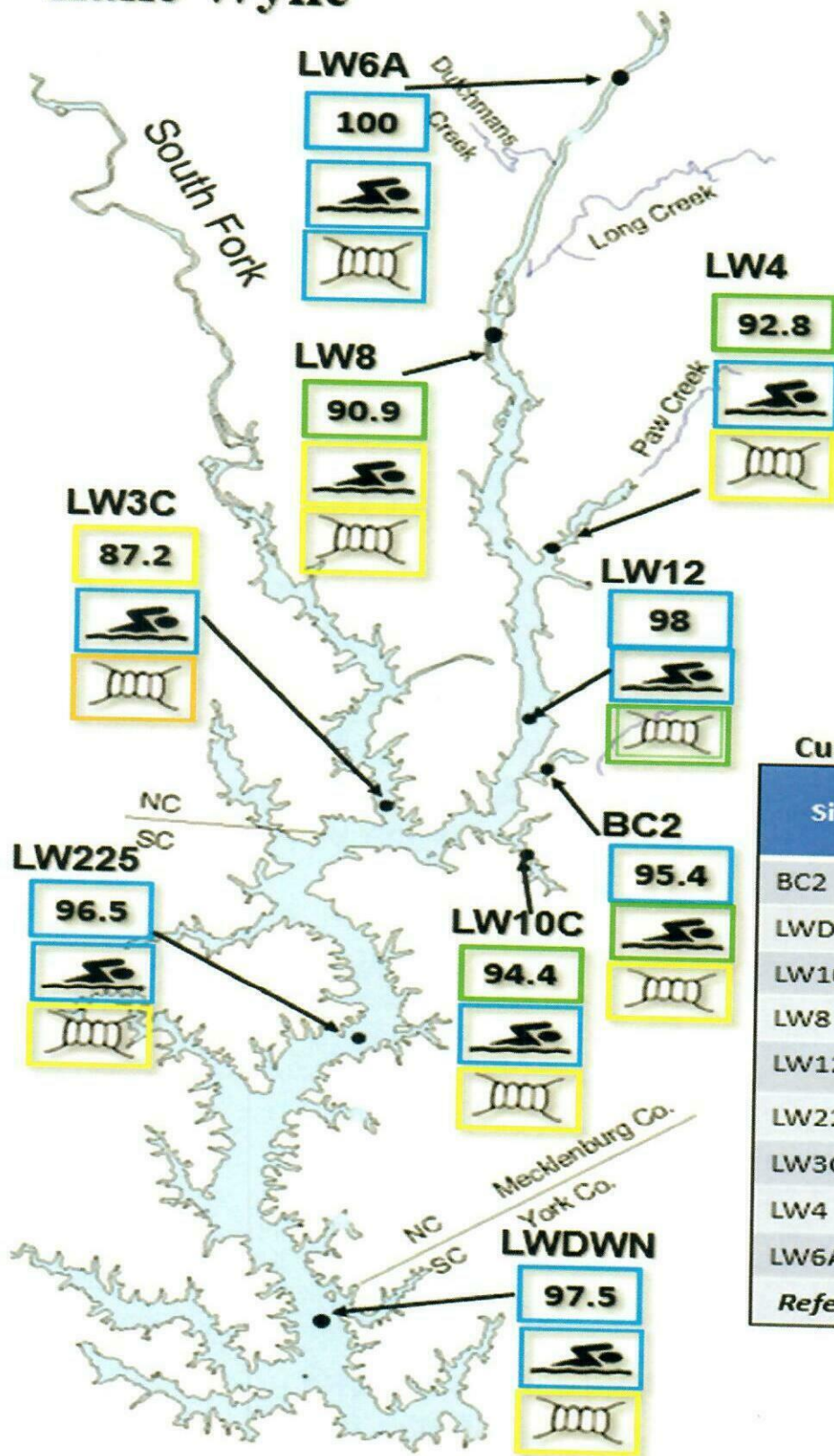
Water Quality Report

July 2025

Lake Wylie

Past Year

Lake Use Support Index
Sept 2024 – July 2025



Key:

LUSI 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 at individual sites every other month: (January, March, May, July, September, November)

Current Month Bacteria Results

Site	Date	Fecal Col. [col./100 ml]	E. Coli [MPN/100 ml]
BC2	7/22	7	2
LWDWN	7/22	5	2
LW10C	7/22	12	2
LW8	7/22	6	6
LW12	7/22	7	4
LW225	7/22	2	4
LW3C	7/22	2	1
LW4	7/22	3	1
LW6A	7/22	3	1
Reference Value		200	200

Lake Wylie

- Routine lake monitoring for July conducted on 7/22/25
- Average water temperature on day of sampling = 88.5 F
- Lake level on day of monitoring = 97.2 ft (target = 97.0 ft)
- Average water clarity on day of monitoring = 1.5 m (4.89 ft)

Routine Monitoring Sites	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) • Temperature (°C) • Specific Conductivity (µS) • Dissolved Oxygen (% and mg/l) • pH • Turbidity (NTU) • Chlorophyll A (RFU)	• 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)

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

Questions/Comments/More information?

Dave "Shaky" Ferguson-Env. Specialist III

Dave.Ferguson@mecknc.gov

980-721-3758