

May 2025 - Dissolved Oxygen (DO) Data (Surface Conditions) DEQ SAMPLING



CURRENT ASSESSMENT: Surface Dissolved Oxygen (DO) levels are normal at all stations that were sampled.

LAB RESULTS

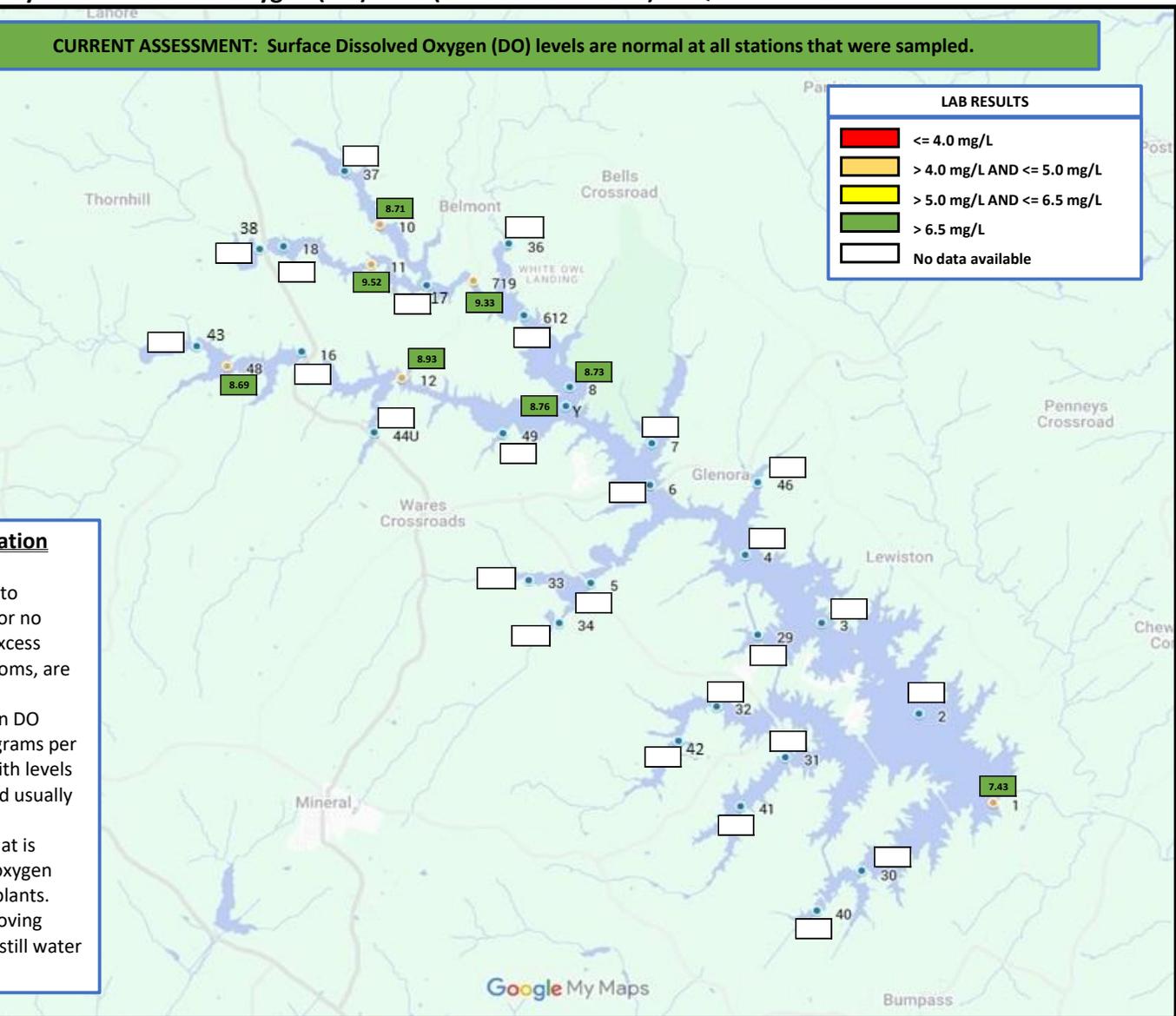
- ≤ 4.0 mg/L
- > 4.0 mg/L AND ≤ 5.0 mg/L
- > 5.0 mg/L AND ≤ 6.5 mg/L
- > 6.5 mg/L
- No data available

Dissolved Oxygen (DO) Information

CONCERN: All aquatic animals need DO to breathe. Low levels of oxygen (hypoxia) or no oxygen levels (anoxia) can occur when excess organic materials, such as large algal blooms, are decomposed by microorganisms.

LIMITS: While each organism has its own DO tolerance range, DO levels below 4 milligrams per liter (mg/L) are of concern and waters with levels below 1 mg/L are considered hypoxic and usually devoid of life.

SOURCE: DO is the amount of oxygen that is present in water. Water bodies receive oxygen from the atmosphere and from aquatic plants. Running water, such as that of a swift moving stream, dissolves more oxygen than the still water of a pond or lake.



	D	L	L	L	L	L	D	L	L	L	D	D	D	D	L	L	L	L	L	L	L	L	L	L	L	L	L	D	L	L	D	L							
Month \ Station	1	2	3	4	5	6D	6	7	8	10	11	12	16	17	18	29	30	31	32	33	34	36	37U	38U	40	41	42	43	44U	46	48	49	612	719	Y				
April	9.71	10.52	10.54	10.71	10.11	10.92	10.97	10.93	10.84	10.92	11.45	10.82	7.60	10.85	10.10	10.45	9.02	9.11	9.38	9.37	9.33	10.24	8.80	8.32	9.25	9.17	9.53	6.97	7.05	10.79	10.57	7.71	11.06	11.76	10.92				
June																																							
August																																							
October																																							
Current	7.43						8.78		8.73	8.71	9.52	8.93																								8.69		9.33	8.76

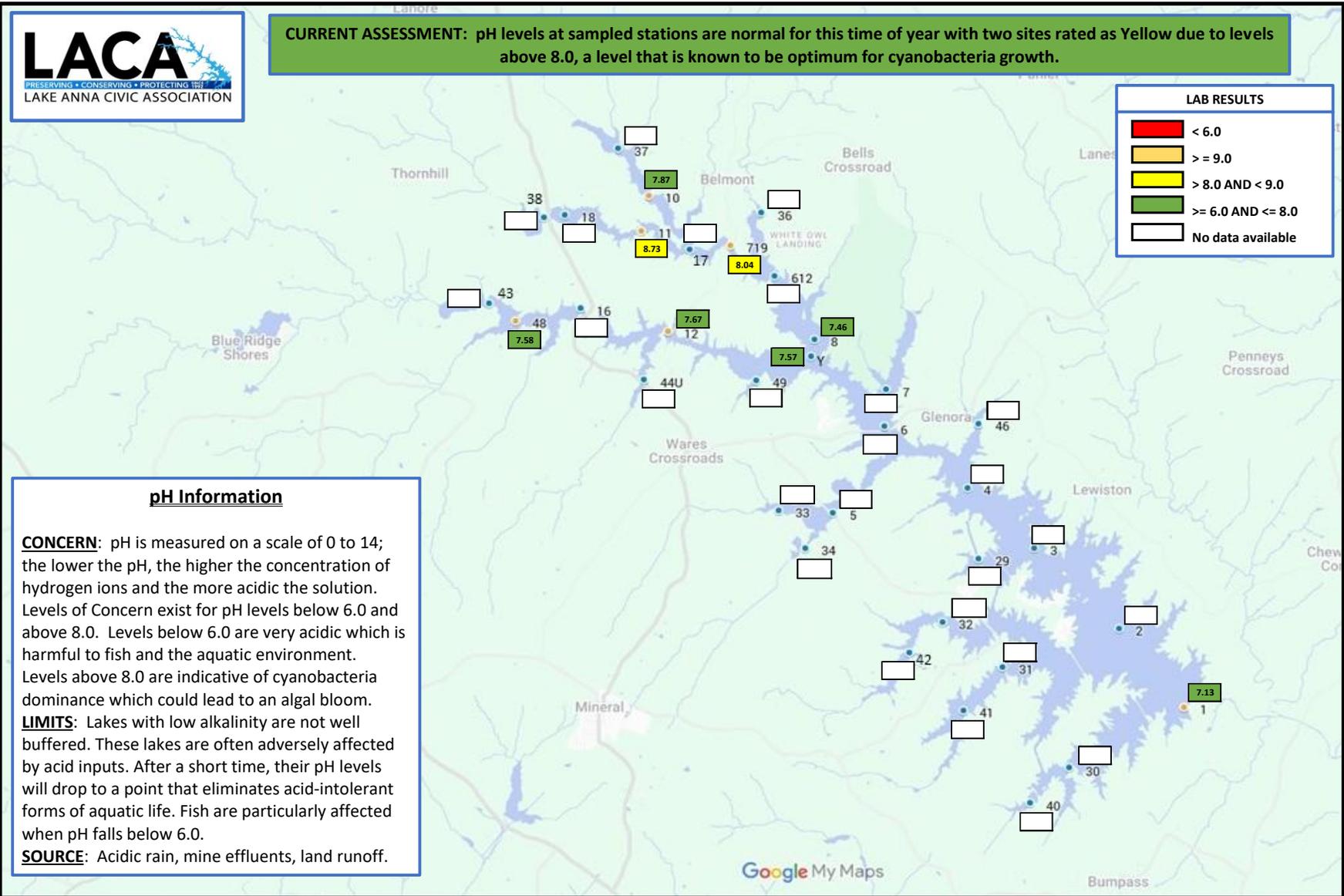
May 2025 - pH Data (Surface Conditions) DEQ SAMPLING



CURRENT ASSESSMENT: pH levels at sampled stations are normal for this time of year with two sites rated as Yellow due to levels above 8.0, a level that is known to be optimum for cyanobacteria growth.

LAB RESULTS

- < 6.0
- >= 9.0
- > 8.0 AND < 9.0
- >= 6.0 AND <= 8.0
- No data available



pH Information

CONCERN: pH is measured on a scale of 0 to 14; the lower the pH, the higher the concentration of hydrogen ions and the more acidic the solution. Levels of Concern exist for pH levels below 6.0 and above 8.0. Levels below 6.0 are very acidic which is harmful to fish and the aquatic environment. Levels above 8.0 are indicative of cyanobacteria dominance which could lead to an algal bloom.

LIMITS: Lakes with low alkalinity are not well buffered. These lakes are often adversely affected by acid inputs. After a short time, their pH levels will drop to a point that eliminates acid-intolerant forms of aquatic life. Fish are particularly affected when pH falls below 6.0.

SOURCE: Acidic rain, mine effluents, land runoff.

Month	D	L	L	L	L	L	D	L	L	L	D	D	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	D	L	L	D	L							
Station	1	2	3	4	5	6D	6	7	8	10	11	12	16	17	18	29	30	31	32	33	34	36	37U	38U	40	41	42	43	44U	46	48	49	612	719	Y				
April	7.54	7.80	7.88	7.92	7.28	7.81	7.90	7.78	7.79	8.56	8.82	7.97	7.85	8.64	7.94	7.76	7.57	7.76	7.69	6.80	7.05	7.30	7.48	7.48	7.63	7.70	7.70	7.66	7.28	7.92	8.18	7.70	8.09	8.95	7.87				
June																																							
August																																							
October																																							
Current	7.13						7.53		7.46	7.87	8.73	7.67																								7.58		8.04	7.57

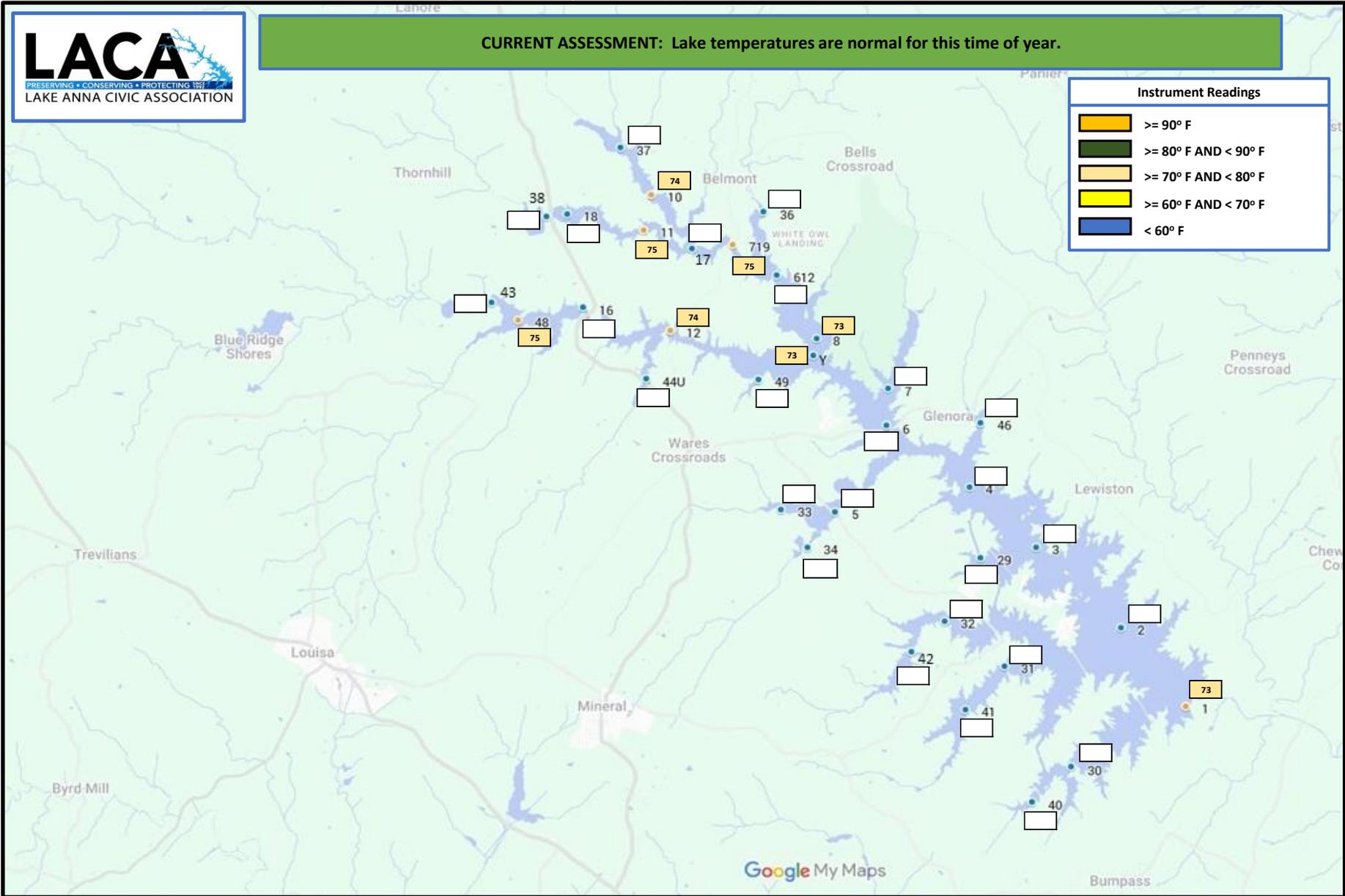
May 2025 - Temperature (F) Data (Surface Conditions)



CURRENT ASSESSMENT: Lake temperatures are normal for this time of year.

Instrument Readings

- $\geq 90^\circ \text{ F}$
- $\geq 80^\circ \text{ F AND } < 90^\circ \text{ F}$
- $\geq 70^\circ \text{ F AND } < 80^\circ \text{ F}$
- $\geq 60^\circ \text{ F AND } < 70^\circ \text{ F}$
- $< 60^\circ \text{ F}$



Month	D	L	L	L	L	L	D	L	L	L	D	D	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	D	L	L	D	L					
Station	1	2	3	4	5	6D	6	7	8	10	11	12	16	17	18	29	30	31	32	33	34	36	37U	38U	40	41	42	43	44U	46	48	49	612	719	Y					
April	60	59	59	59	60	59	59	60	59	65	66	62	62	62	63	75	66	68	67	61	62	61	65	65	65	65	66	65	58	60	64	61	60	63	59					
June																																								
August																																								
October																																								
Current	73						73		73	74	75	74																								75			75	73