

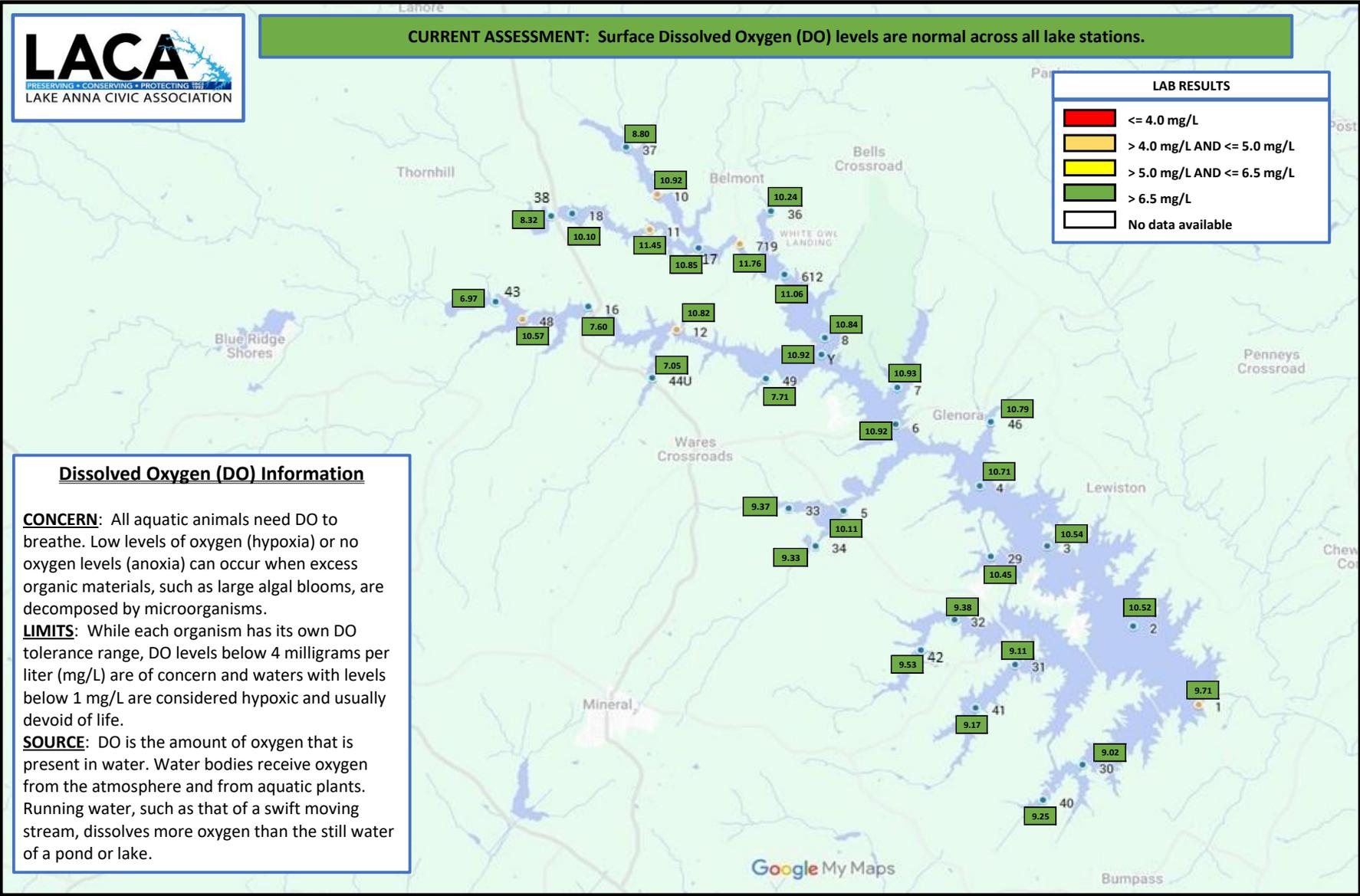
April 2025 - Dissolved Oxygen (DO) Data (Surface Conditions)



CURRENT ASSESSMENT: Surface Dissolved Oxygen (DO) levels are normal across all lake stations.

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.

Month \ Station	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	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	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	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	

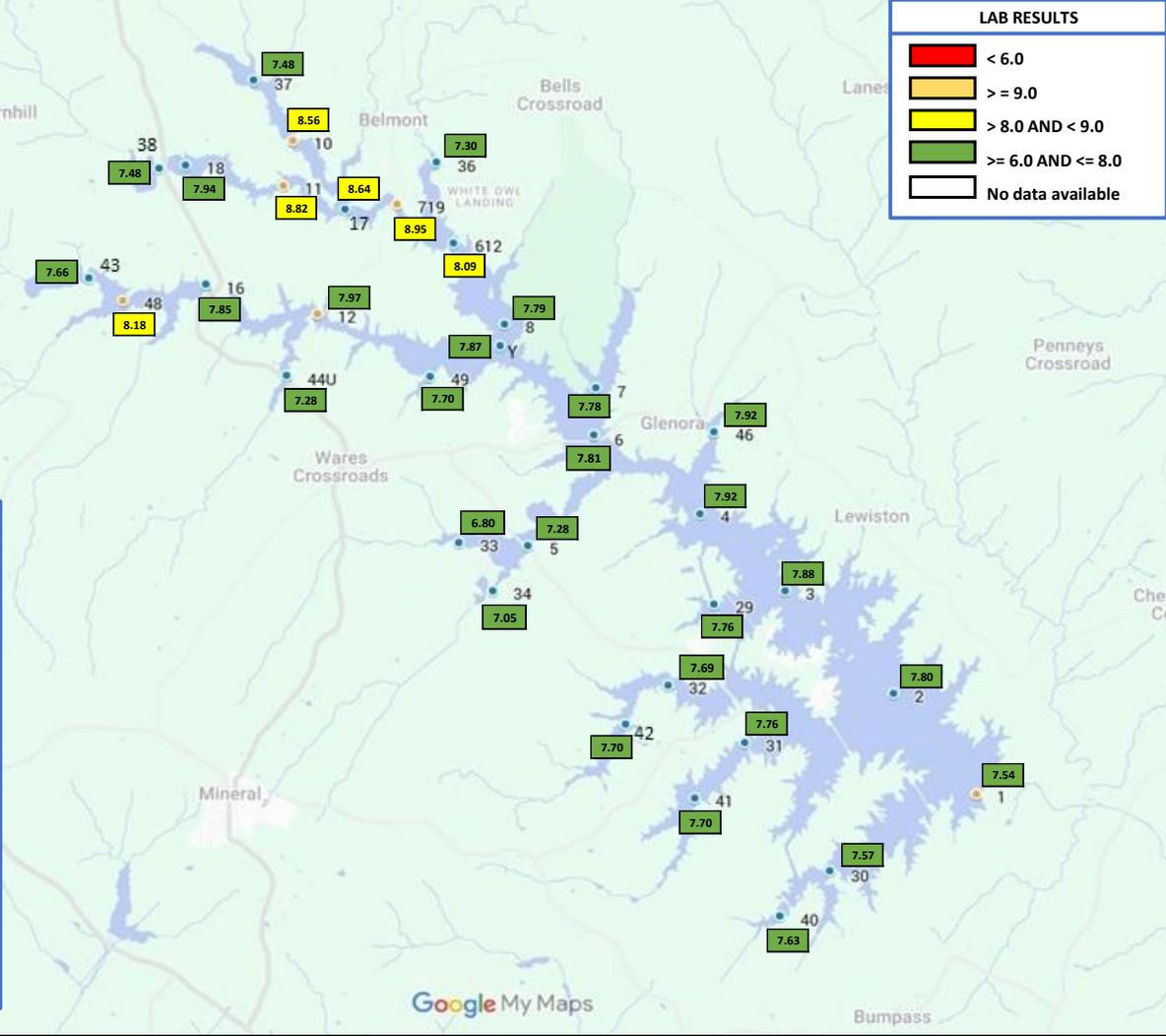
April 2025 - pH Data (Surface Conditions)



CURRENT ASSESSMENT: While pH is moderately high at several upper reservoir stations, pH data across the lake is in a normal range for the time of year.

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.

	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	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	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	7.54	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	

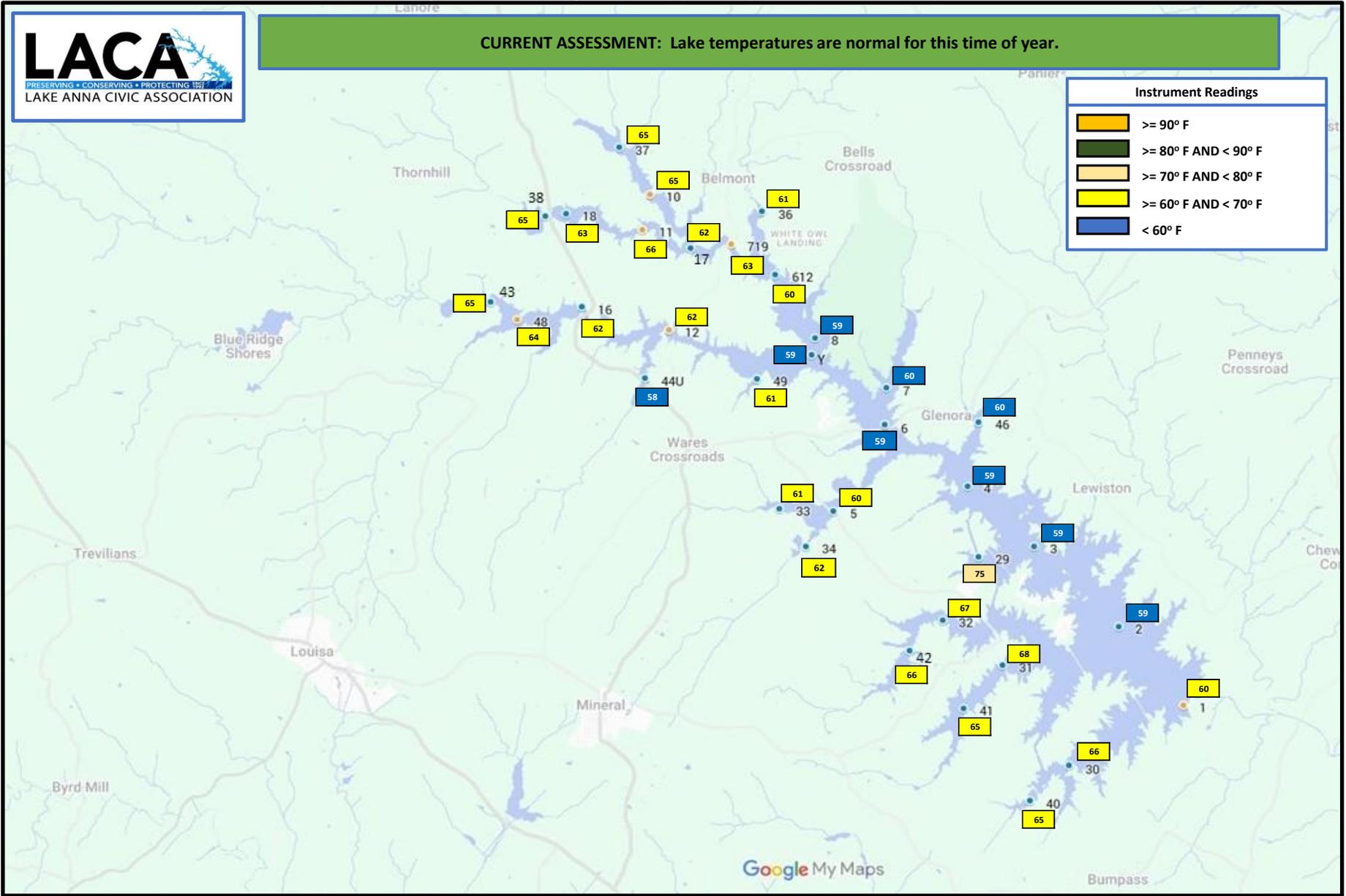
April 2025 - Temperature (F) Data (Surface Conditions)



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

Instrument Readings

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