Lake Lure Water Sample - Published 1/8/25

Orange or yellow highlighted cells indicate high results.

\*Results marked with strikethroughs are less than the lab reporting limit (see below). Any results less than the reporting limit are considered estimated.

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Column Heading	Description	Units	*Reporting Limit	2018-20 Regional VWIN Average	2018-20 Pristine VWIN Average	NC Regulatory Limits	Analysis Method	Notes
site #	VWIN site number							
site name	VWIN site name							
month	month of sample collection							
day	day of sample collection							
year	year of sample collection							
NH3-N	ammonia-nitrogen	mg/L	0.02	0.08	0.04	n/a	SM 4500 NH3 C-2011	
NO3-N	nitrate/nitrite-nitrogen	mg/L	0.1	0.5	0.2	10.0 mg/L nitrate only	Cadmium reduction	
Total P	total phosphorus (as PO4)	mg/L	0	n/a	n/a	n/a	SM 4500 P E 2011	to calculate total phosphorus as P, divide by results by 3.07
							SM 4500 P E	
PO4	orthophosphate	mg/L	0.02	0.08	0.04	n/a	2011	
						50 NTU for aquatic life,	SM 2130 B-	
Turb	turbidity	NTU	1	6	2.1	10 NTU for	2011	
TSS	total suspended solids	mg/L	10	7.9	2.8	n/a	SM 2540 D- 2011	

Column Heading	Description	Units	*Reporting Limit	2018-20 Regional VWIN Average	2018-20 Pristine VWIN Average	NC Regulatory Limits	Analysis Method	Notes
							SM 2510 B-	
Cond	conductivity	umhos/cm	10	77.7	19.7	n/a	2011	
							Methyl	
							orange	
Alk	alkalinity	mg/L	1	22.2	9.5	n/a	titration	
						allowable	SM 4500	
рН	рН	s.u.	n/a	7.2	7	limit 6.0-9.0	H+B-2011	
		5.0.	11/ 0	7.2	,	tecal	11.0 2011	
						coliforms		
						shall not		
						exceed a		
						geometric		
						mean of		
						200/100ml		
						(MF count)		
						based upon		
						at least five		
						consecutive		
						samples	SM 9222 D-	CFU stands for colony forming units
fecal coliform	fecal coliform	CFU/100 mL	1	n/a	n/a	examined	2015	using membrane filtration counts.

				2018-20	2018-20			
				Regional	Pristine	NC		
			*Reporting	VWIN	VWIN	Regulatory	Analysis	
Column Heading	Description	Units	Limit	Average	Average	Limits	Method	Notes
						not less		
						than 6.0		
						mg/l for		
						trout		
						waters; for		
						non-trout		
						waters, not		
						less than a		
						daily		
						average of		
						5.0 mg/l		
						with a		
						minimum		measured in the field by water
DO	dissolved oxygen	mg/L	n/a	n/a	n/a	instantaneo		quality meter
						not to		
						exceed 2.8		
						degrees C		
						(5.04		
						degrees F)		
						above the		
						natural		
						water		
						temperatur		
						e, and in no		
						case to		
						exceed 29		
						degrees C		
						(84.2		
						degrees F)		
						for		
		degrees				mountain		measured in the field by water
temp	water temperature	Celsius	n/a	n/a	n/a	and upper		quality meter

			*Reporting	2018-20 Regional VWIN	2018-20 Pristine VWIN	NC Regulatory	Analysis	
Column Heading	Description	Units	Limit	Average	Average	Limits	Method	Notes
		inches as			. 1.			and the standard field
Secchi depths	Secchi depth	marked	n/a	n/a	n/a	n/a	Secchi disk	measure in the field
volunteer	observations provided							
comments	by volunteers							
	subjective categories							
present weather	for volunteer							
conditions	observations							
	subjective categories							
	for volunteer							
amt rain last 3 days								
	subjective categories							
	for volunteer							
flow/water level	observations							
	subjective categories							
	for volunteer							
water clarity	observations							
	subjective categories							
	for volunteer							
water color	observations							
	subjective categories							i
	for volunteer							
water surface	observations							
	subjective categories							
	for volunteer							
water odor	observations							
	subjective categories							
	for volunteer							
trash	observations							
Cu	copper	ug/L	2	n/a	n/a			
Zn	zinc	ug/L	20	n/a	n/a			
Pb	lead	ug/L	2	n/a	n/a			
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Column Heading	Description	Units	*Reporting Limit	2018-20 Regional VWIN Average	2018-20 Pristine VWIN Average	NC Regulatory Limits	Analysis Method	Notes
Lake Lure elevation: 1,125 ft								