

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.

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
PO4	orthophosphate	mg/L	0.02	0.08	0.04	n/a	SM 4500 P E-2011	
Turb	turbidity	NTU	1	6	2.1	life, 10 NTU for Trout Waters	SM 2130 B-2011	
TSS	total suspended solids	mg/L	10	7.9	2.8	n/a	SM 2540 D-2011	
Cond	conductivity	umhos/cm	10	77.7	19.7	n/a	SM 2510 B-2011	
Alk	alkalinity	mg/L	1	22.2	9.5	n/a	Methyl orange titration	

pH	pH	s.u.	n/a	7.2	7	allowable limit 6.0-9.0	SM 4500 H+B-2011	
fecal coliform	fecal coliform	CFU/100 mL	1	n/a	n/a	fecal coliforms shall not exceed a geometric mean of 200/100ml (MF count) based upon at least five consecutive samples examined during any 30 day period, nor exceed	SM 9222 D- 2015	CFU stands for colony forming units using membrane filtration counts.
DO	dissolved oxygen	mg/L	n/a	n/a	n/a	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 instantaneous value of not less than 4.0 mg/l; swamp waters, lake coves or backwaters, and lake		measured in the field by water quality meter

temp	water temperature	degrees Celsius	n/a	n/a	n/a	not to exceed 2.8 degrees C (5.04 degrees F) above the natural water temperature, and in no case to exceed 29 degrees C (84.2 degrees F) for mountain and upper piedmont waters. The temperature for trout waters shall not be increased by more than 0.5 degrees C		measured in the field by water quality meter
Secchi depths	Secchi depth	inches as marked	n/a	n/a	n/a	n/a	Secchi disk	measure in the field
volunteer comments	observations provided by volunteers							
present weather conditions	subjective categories for volunteer observations							
amt rain last 3 days	subjective categories for volunteer observations							
flow/water level	subjective categories for volunteer observations							
water clarity	subjective categories for volunteer observations							
water color	subjective categories for volunteer observations							
water surface	subjective categories for volunteer observations							
water odor	subjective categories for volunteer observations							
trash	subjective categories for volunteer 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			
Lake Lure elevation: 1,125 ft								