

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	50 NTU for aquatic 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	

Column Heading	Description	Units	*Reporting Limit	2018-20 Regional VWIN Average	2018-20 Pristine VWIN Average	NC Regulatory Limits	Analysis Method	Notes
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 400/100ml in more than 20 percent of the samples	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 bottom waters may have lower values if caused by		measured in the field by water quality meter

Column Heading	Description	Units	*Reporting Limit	2018-20 Regional VWIN Average	2018-20 Pristine VWIN Average	NC Regulatory Limits	Analysis Method	Notes
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 (0.9 degrees F) due to the discharge of heated liquids, but in no		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							

