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		Analysis Method										
									site #	VWIN site number							
									site name	VWIN site name							
month	month of sample collection																
day	day of sample collection																
year	year of sample collection																
							SM 4500										
							NH3 C-										
NH3-N	ammonia-nitrogen	mg/L	0.02	0.08	0.04	n/a	2011										
							Cadmiu										
							m										
							reductio										
NO3-N	nitrate/nitrite-nitrogen	mg/L	0.1	0.5	0.2	10.0 mg/L nitrate only	n										
							SM 4500	to calculate total phosphorus as P,									
Total P	total phosphorus (as PO4)	mg/L	0	n/a	n/a	n/a	P E-2011	divide by results by 3.07									
							SM 4500										
PO4	orthophosphate	mg/L	0.02	0.08	0.04	n/a	P E-2011										
						50 NTU for aquatic life, 10	SM 2130										
Turb	turbidity	NTU	1	6	2.1	NTU for Trout Waters	B-2011										
							SM 2540										
TSS	total suspended solids	mg/L	10	7.9	2.8	n/a	D-2011										
		umhos/c					SM 2510										
Cond	conductivity	m	10	77.7	19.7	n/a	B-2011										
							Methyl										
							orange										
Alk	alkalinity	mg/L	1	22.2	9.5	n/a	titration										
							SM 4500										
							H+B-										
рН	рН	s.u.	n/a	7.2	7	allowable limit 6.0-9.0	2011										

				2018-20	2018-20			
				Regional	Pristine			
			*Reporting	VWIN	VWIN		Analysis	
Column Heading	Description	Units	Limit	Average	Average	NC Regulatory Limits	Method	Notes
						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		
		CFU/100				400/100ml in more than 20	SM 9222	CFU stands for colony forming units
fecal coliform	fecal coliform	mL	1	n/a	n/a	percent of the samples	D-2015	using membrane filtration counts.
	1					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		measured in the field by water
DO	dissolved oxygen	mg/L	n/a	n/a	n/a	lower values if caused by		quality meter

			2018-20	2018-20			
		*	-				
Description	Unite	• •			NC Pogulatory Limits	•	Notos
Description	Offics	LIIIII	Average	Average	.	Wiethou	Notes
					-		
					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		
	-				-		measured in the field by water
water temperature		-	n/a	n/a	heated liquids, but in no		quality meter
			,	,	,		
•	marked	n/a	n/a	n/a	n/a	disk	measure in the field
volunteer observations							
	Description Description water temperature secchi depth observations provided by volunteers subjective categories for volunteer observations subjective categories for volunteer observations	water temperature water temperature biological servations provided by volunteer observations subjective categories for volunteer observations	vater temperaturedegrees Celsiusn/aSecchi depthinches as markedn/aobservations provided by volunteer observations	DescriptionUnitsRegional YWIN LimitDescriptionUnitsRegional YWIN LimitNameSecchi depthInches as markedNameObservations provided by volunteerInches as markedNameSubjective categories for volunteer observationsInchesInchesSubjective categories for volunteer observationsInche	DescriptionImage: Second problemPristine VWIN VWIN AveragePristine VWIN VWIN Averagewater temperaturedegrees Celsiusn/aImage: Second problem Namen/an/aSecchi depthinches as markedn/an/an/aObservations provided by volunteer observationsImage: Second problem Image: Subjective categories for volunteer observationsImage: Second problem Image: Second prob	DescriptionUnits*Reporting VWIN VWIN VWIN AveragePristine VWIN AverageIntersection Conto exceed 2.8 degrees C (5.04 degrees F) above the natural water temperature, and in no case to exceed 2.9 degrees C (84.2 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont waters. The temperature for trout water shall not be increased by more than 0.5 degrees C (0.9 degrees F) for mountain and upper piedmont water shall not be increased by more than 0.5 degrees F) f	PescriptionInitialRegional *ReportingPristing VWIN AveragePristing VWIN AverageAnalysis McRegulatory LimitsDescriptionUnitsInitialAverageAverageNC Regulatory Limits NC Regulatory LimitsAnalysis MethodInitialInitialInitialInitialInitial VarialNot 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 due to the disch

				2018-20 Regional	2018-20 Pristine			
			*Reporting	-	VWIN		Analysis	
Column Heading	Description	Units	Limit	Average	Average	NC Regulatory Limits	Method	Notes
	subjective categories for							
water odor	volunteer observations							
	subjective categories for							
trash	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								