SePRO Lab
Water Diagnostics for Lakes & Ponds
SeSCRIPT*
16013 Watson Seed Farm Road, Whitakers, NC 27891

LABORATORY REPORT

Chain of Custody: COC30263

Customer Contact Information

Company Name: Salt Marsh Aquatics	Contact Person: Shawn Woods
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	Phone: 843-505-4169

Waterbody Information

Waterbody:	leamington court - SC
Waterbody size:	127
Depth Average:	4

Sample ID	Sample Location	Test	Method	Results	Sampling Date / Time
CTM80134-1	turnberry	Turbidity (NTU)	EPA 180.1	4.3	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	676.0	
		Free Reactive Phosphorus (µg/L)	EPA 365.3	1138.1	
		Total Phosphorus (µg/L)	EPA 365.3	1331.4	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	100.6	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	133.7	
		E. coli (CFU/100mL)	EPA 9223B	48.9	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7.2	
CTM80135-1	queens grant	Turbidity (NTU)	EPA 180.1	4.4	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	9350.0	
		Free Reactive Phosphorus (µg/L)	EPA 365.3	1301.4	
		Total Phosphorus (µg/L)	EPA 365.3	1493.3	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	153.7	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	735.7	
		E. coli (CFU/100mL)	EPA 9223B	64.0	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7.6	
CTM80136-1	cb3	Turbidity (NTU)	EPA 180.1	2.4	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	2820.0	
		Salinity (ppT)	EPA 120.1	12.6	
		Free Reactive Phosphorus (µg/L)	EPA 365.3	579.8	
		Total Phosphorus (µg/L)	EPA 365.3	770.8	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	158.5	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	896.8	
		E. coli (CFU/100mL)	EPA 9223B	>2419.6	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7.3	
CTM80137-1	full sweep	Turbidity (NTU)	EPA 180.1	3	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	623.0	

		Free Reactive Phosphorus (µg/L)	EPA 365.3	5.7	
		Total Phosphorus (µg/L)	EPA 365.3	72.4	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	25.6	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	57.1	
		E. coli (CFU/100mL)	EPA 9223B	11.0	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7	
CTM80138-1	lc1	Turbidity (NTU)	EPA 180.1	4.1	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	3050.0	
		Salinity (ppT)	EPA 120.1	14.4	
		Free Reactive Phosphorus (µg/L)	EPA 365.3	366.1	
		Total Phosphorus (µg/L)	EPA 365.3	405	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	153.7	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	884.6	
		E. coli (CFU/100mL)	EPA 9223B	>2419.6	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7.4	
CTM80139-1	qw2	Turbidity (NTU)	EPA 180.1	3	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	2830.0	
		Salinity (ppT)	EPA 120.1	12.9	
		Free Reactive Phosphorus (µg/L)	EPA 365.3	532.6	
		Total Phosphorus (µg/L)	EPA 365.3	661.3	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	154.9	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	882.4	
		E. coli (CFU/100mL)	EPA 9223B	>2419.6	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7.3	
CTM80140-1	qf4	Turbidity (NTU)	EPA 180.1	3.2	09/24/2026
		Conductivity (µS/cm)	EPA 120.1	2910.0	
		Salinity (ppT)	EPA 120.1	14.2	
		Free Reactive Phosphorus (µg/L)	EPA 365.3	456.5	
		Total Phosphorus (µg/L)	EPA 365.3	572.8	
		Alkalinity (mg/L as CaCO3)	EPA 310.2	155.8	
		Total Hardness (mg/L as CaCO3)	EPA 130.2	878.5	
		E. coli (CFU/100mL)	EPA 9223B	>2419.6	
		Total Coliforms (CFU/100mL)	EPA 9223B	>2419.6	
		pH	EPA 150.1	7.3	

ANALYSIS STATEMENTS:
SAMPLE RECEIPT /HOLDING TIMES: All samples arrived in an acceptable condition and were analyzed within prescribed holding times in accordance with the SRTC Laboratory Sample Receipt Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis and any qualifiers will be noted in the report.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made unless noted in the report.
MEASUREMENT UNCERTAINTY: Uncertainty of measurement has been determined and is available upon request.

Laboratory Information
Date / Time Received: 09/25/26 12:00 PM
Date Results Sent: Wednesday, September 30, 2026

Disclaimer: The results listed within this Laboratory Report relate only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a dry weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the exclusive use of SRTC Laboratory and its client. This report shall not be reproduced, except in full, without written permission from SRTC Laboratory. The Chain of Custody is included and is an essential component of this report.

This entire report was reviewed and approved for release.



Reviewed By: Laboratory Manager

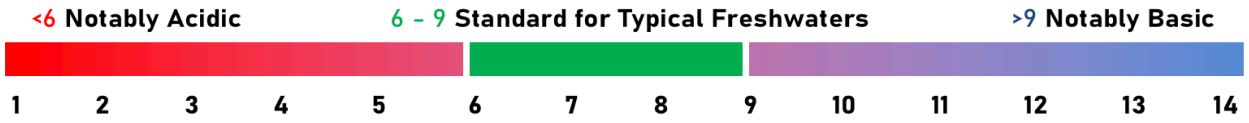
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Water Quality Analysis Explanation

These water quality parameters are essential to document the condition of a water body and design custom treatment prescriptions to achieve the desired management objective.

pH: Measure of how acidic or basic the water is (pH 7 is considered neutral).



Hardness: Measure of the concentration of divalent cations, primarily consisting of calcium and magnesium in typical freshwaters.
0-60 mg/L as CaCO3 soft; 61-120 mg/L as CaCO3 moderately hard; 121-180 mg/L as CaCO3 hard; > 181 mg/L as CaCO3 very hard

Alkalinity: Measure of the buffering capacity of water, primarily consisting of carbonate, bicarbonate, and hydroxide in typical freshwaters. Waters with lower levels are more susceptible to pH shifts.
< 50 mg/L as CaCO3 low buffered; 51-100 mg/L as CaCO3 moderately buffered; 101-200 mg/L as CaCO3 buffered; > 200 mg/L as CaCO3 high buffered

Conductivity: Measure of the waters ability to transfer an electrical current, increases with more dissolved ions.
< 50 µS/cm relatively low concentration may not provide sufficient dissolved ions for ecosystem health; 50-1500 µS/cm typical freshwaters; > 1500 µS/cm may be stressful to some freshwater organisms, though not uncommon in many areas

Phosphorus: Essential nutrient often correlating to growth of algae in freshwaters.

Total Phosphorus (TP): is the measure of all phosphorus in a sample as measured by persulfate strong digestion and includes: inorganic, oxidizable organic and polyphosphates. This includes what is readily available, potential to become available and stable forms. *<12 µg/L oligotrophic; 12-24 µg/L mesotrophic; 25-96 µg/L eutrophic; > 96 µg/L hypereutrophic*

Free Reactive Phosphorus (FRP): is the measure of inorganic dissolved reactive phosphorus (PO4-3, HPO4-2, etc). This form is readily available in the water column for algae growth.

Nitrogen: Essential nutrient that can enhance growth of algae.

Total N is all nitrogen in the sample (organic N+ and Ammonia) determined by the sum of the measurements for Total Kjeldahl Nitrogen (TKN) and ionic forms.

Nitrites and Nitrates are the sum of total oxidized nitrogen, often readily free for algae uptake.
< 1 mg/L typical freshwater; 1-10 mg/L potentially harmful; >10 mg/L possible toxicity, above many regulated guidelines

Chlorophyll a: primary light-harvesting pigment found in algae and a measure of the algal productivity and water quality in a system.
0-2.6µg/L oligotrophic; 2.7-20 µg/L mesotrophic; 21-56 µg/L eutrophic; > 56 µg/L hypereutrophic

Turbidity: Measurement of water clarity. Suspended particulates (algae, clay, silt, dead organic matter) are the common constituents impacting turbidity.
< 10 NTU drinking water standards and typical trout waters; 10-50 NTU moderate; > 50 NTU potential impact to aquatic life.