BUREAU OF WATER

South Carolina Department of Health and Environmental Control

STATE OF SOUTH CAROLINA MONITORING STRATEGY

FOR
CALENDAR YEAR 2023

Technical Report No. 001-2023

dhec
S.C. Department of Health and Environmental Control

State of South Carolina
Monitoring Strategy
For
Calendar Year 2023

Technical Report No. 001-2023

January 2023

Prepared By:

Kay Wilson
Surface Water Monitoring Section
Division of Water Monitoring, Assessment, and Protection
Bureau of Water

Jennifer Hughes
Jennifer Hughes, Project Coordinator
Chief, Bureau of Water

12/19/22
Micheal Mattocks, Assistant Chief, Bureau
Environmental Health Services

Elizabeth Smith 1/23/2023
Elizabeth Smith
Monitoring Coordinator, USEPA Region IV

12/16/2022
Paul Miller, Quality Assurance Manager
Environmental Affairs

DISTRIBUTION LIST

Jennifer Hughes, Assistant Bureau Chief, Bureau of Water
South Carolina Department of Health and Environmental Control
803-898-1992
hughesjr@dhec.sc.gov

Renee Shealy, Chief, Bureau of Environmental Health Services
South Carolina Department of Health and Environmental Control
EA Laboratories
803-896-8994
shealyrg@dhec.sc.gov

Elizabeth Basil, Assistant Bureau Chief, Bureau of Environmental Health Services
South Carolina Department of Health and Environmental Control
EA Laboratories
803-896-8408
basilej@dhec.sc.gov

Micheal Mattocks, Assistant Bureau Chief, Bureau of Environmental Health Services
South Carolina Department of Health and Environmental Control
EA Laboratories
803-896-0901
mattocm@dhec.sc.gov

Susan Jackson, Director, Analytical and Radiological Environmental Services Division, Bureau of Environmental Health Services
South Carolina Department of Health and Environmental Control
EA Laboratories
803-896-0856
jacksosb@dhec.sc.gov

Bureau of Environmental Health Services, Regional Directors

Bureau of Environmental Health Services, Regional Laboratory Managers

Bureau of Environmental Health Services, Regional Monitoring Supervisors

Bureau of Environmental Health Services, Regional Stream Monitoring Personnel

Casey Moorer, Supervisor, Analytical & Biological Services, Santee Cooper Public Service Authority

SCDHEC Website

Elizabeth Smith, Monitoring
Coordinator USEPA Region IV
404-562-8721
smith.elizabeth@epa.gov

TABLE OF CONTENTS

Appendices

LIST OF FIGURES

LIST OF TABLES

SUMMARY OF CHANGES FOR 2023

3.4.1 Complaint Investigations- The online e-Permitting platform is now available for complaints, permitting, and tracking.

1.0 PROJECT MANAGEMENT

1.1 Introduction/Background

This monitoring strategy establishes the overall goals and objectives for those key elements of the South Carolina Department of Health and Environmental Control (SCDHEC) water quality monitoring program to achieve the goals of the South Carolina Pollution Control Act (PCA), the federal Clean Water Act (CWA), and implement applicable State and Federal regulations. Under the PCA and CWA, SCDHEC has been delegated certain water quality monitoring responsibilities. These include water quality assessment, regulatory monitoring, and program evaluation as needed to fulfill the requirements of the aforementioned Acts. This strategy also serves to document these monitoring activities within the framework presented in the EPA guidance *Elements of a State Water Monitoring and Assessment Program* (USEPA, 2003). This monitoring strategy document, in conjunction with the referenced field and laboratory Standard Operating Procedures (SOPs), also serves as the Quality Assurance Project Plan for the ambient surface water quality monitoring program.

State administrators need to assess the quality of the aquatic environment so that they can make decisions concerning water program priorities and provide reports to the public on the state of the environment, important trends over time, and accomplishments. They also need to evaluate the effectiveness of control measures. Water quality monitoring data provide information necessary to meet these needs. While there are different approaches and philosophies of water quality monitoring, monitoring is not an end in itself but is only a catalyst to spur decisions regarding achievable and desirable resource use alternatives. Monitoring alone does not achieve protection and restoration of water quality. Monitoring data serves as a tool to assess conditions, to suggest where corrective actions may be necessary, and evaluate the results of those actions. Monitoring data serves as the foundation for informing the Department's water quality decision-making responsibilities.

"Ambient monitoring" refers to monitoring of general surroundings, and includes the set of activities that provide chemical, physical, geological, and biological data about general conditions in the environment. For the purpose of this strategy, water quality monitoring is limited to those activities involved in the State implementation of the PCA and CWA in inland and coastal waters. "Regulatory monitoring" is the collection and analysis of data needed for establishing environmental quality based permit requirements and for assessing and enforcing compliance with permits. "Regulatory monitoring" also provides data necessary for addressing environmental quality based assessments of ambient water related to point source and nonpoint source influences.

In general, the water quality monitoring activities need to answer key questions about the overall quality of waters in South Carolina, changes in water quality over time, where there are problem areas and areas needing additional protection, the level of protection needed, and the effectiveness of specific clean water projects and programs. However, monitoring is actually a multifaceted discipline with many program areas conducting monitoring activities to fulfill specific objectives: fish tissue monitoring to develop, track, and update fish consumption

advisories; ocean monitoring to issue timely beach swimming advisories; shellfish sanitation monitoring to determine the harvesting status of the numerous shellfish beds in the state; macroinvertebrate monitoring to determine the health of biological communities of specific waterbodies; ambient surface water monitoring to assess compliance with water quality standards and examine long-term trends at a variety of scales; ambient groundwater monitoring to assess water quality across the major aquifers of the state (currently suspended); National Pollutant Discharge Elimination System (NPDES) discharge monitoring to ensure facilities are in compliance with their permit limits; and special studies for more intensive investigation of specific issues.

Therefore, it is necessary to use these varied monitoring activities as the vehicle for a cohesive, inter-related approach to water quality management via these diverse types of data. It is through the monitoring programs that sample acquisition, data management and reporting, program needs, committed tasks, and other such Departmental functions all meet. Thus, it is at this natural point of confluence that much opportunity is afforded for integration of sometimes apparently non related tasks or programs into a step wise, interrelated approach to the protection of water quality in the State. A great deal of attention to each of those "facets" is required in order for the resulting data to be of the most benefit. As a result, many of the aforementioned programs collect additional samples as part of their activities for the analysis of constituents beyond those required to fulfill their specific objectives. For example, beyond the parameters that can be directly compared to numeric state water quality standards, the Ambient Surface Water Physical & Chemical Monitoring program collects information on additional parameters that are used by the NPDES permit writers and the 303(d), Modeling and TMDL Section to define background conditions and to establish limits for what can safely be discharged by a wastewater treatment facility.

1.2 Monitoring Objectives

The information resulting from these monitoring activities are integrated and considered together in various decision-making processes. The incorporation of various data sources allows the Department to address broader objectives. Specific objectives of SCDHEC's water quality monitoring strategy are defined in this section.

1.2.1 Determining water quality standards attainment

The primary goal is the attainment and maintenance of fishable/swimmable waters wherever possible as mandated by the Clean Water Act (CWA). This includes evaluation of water quality conditions against State Standards, encompassing both numeric and narrative criteria defining designated uses. In evaluating the degree of support of these goals consideration is given to chemical specific data from all components of the Ambient Surface Water Physical & Chemical Monitoring Program, including Chlorophyll Monitoring data, Macroinvertebrate Bioassessment results, the occurrence of fish consumption advisories or shellfish harvesting limitations, and the results of intensive surveys and special water quality studies. The conclusions from such evaluations can range spatially from a localized stream segment to entire waterbodies, to entire statewide resource condition using the statistical survey monitoring data. The results of such assessments are reported in the *State of South Carolina Integrated Report*, Parts 1 and 2, which

addresses related CWA reporting requirements for §303(d), §305(b) and §314. Please refer to the individual program area descriptions that follow for more details and references or links to published documentation. Results from the Ocean Water Monitoring program are used independently in issuing swimming advisories at coastal beaches.

1.2.2 Identifying impaired waters

Through the water quality standards attainment evaluations, waters or portions of waterbodies may be identified that are not attaining all State Standards. When this evaluation is conducted specifically for the biennial development of the *State of South Carolina Integrated Report*, such waters are determined to be "impaired" and are included in the section listing impaired waters which serves to address §303(d) reporting requirements of the CWA. The most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters* can be found at http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/.

1.2.3 Identifying causes and sources of water quality impairments

The process of determining water quality standards attainment and identifying impaired waters establishes a reason for listing a waterbody as impaired. In many cases it is a physical or chemical parameter that is not in compliance with the State Standards, or the cause of nonsupport, and work begins to identify the source from which it originates. In other cases, the reason for listing may be more complex, such as alteration to the aquatic macroinvertebrate community, and the specific cause for the alteration may not be immediately apparent. In such instances a specific cause must be identified before a source can be targeted for control. In instances where a cause of impairment or source for the cause is not readily apparent special studies or intensive surveys may be designed to help determine the causes and sources of nonsupport of designated uses. The data typically collected during such surveys can be physical and chemical water quality parameters, hydraulic stream characteristics, biological community sampling, and effluent and compliance sampling.

1.2.4 Establishing, reviewing, and revising water quality standards

Data collected by the monitoring activities are used in the development of designated use classifications and water quality standards, which are in turn used to establish waterbody-specific use classifications. Review of these ambient data help determine if existing water quality in a classified water is adequate to protect existing and designated uses and if appropriate standards have been set. Used in such a manner, ambient data provide valuable feedback to the NPDES permit writing sections as an indication of the need for further discharge restrictions.

The ambient data serve to help the refinement of standards and use classifications and, in the absence of numeric criteria, identify and establish appropriate background levels to set standards for additional pollutants. One example was the development of ecoregion specific numeric nutrient and chlorophyll standards for lakes and reservoirs. Ambient data collected statewide as part of the Ambient Surface Water Physical & Chemical Monitoring and Chlorophyll Monitoring programs over a period of many years was used as the basis for identifying ecoregional differences and ranges and were eventually used to set the final numeric standards. A similar process is underway to develop numeric nutrient and chlorophyll standards for estuarine waters.

Another example is the recent development of *Escherichia coli* standards for freshwater to replace the existing fecal coliform bacteria standards. Weekly sampling at 74 monitoring sites in a variety of settings across the state formed the basis for the new *E. coli* standards.

1.2.5 Supporting the implementation of water management programs

The SCDHEC Bureau of Water focuses its program activities using a Watershed Water Quality Management approach. Watershed water quality management recognizes the interdependence of water quality and all the activities that occur in the associated drainage basin including point source discharges, nonpoint source contributions, and land use characteristics. SCDHEC's Watershed Water Quality Management approach is dependent upon water quality data as the foundation for development of watershed management plans and implementation strategies. These strategies serve to refocus water quality protection efforts including monitoring, assessment, problem identification and prioritization, wasteload allocation monitoring, planning, permitting, and other agency activities.

1.2.6 Supporting the evaluation of program effectiveness

By integrating all of the monitoring activities described herein it is possible to: identify the sources of pollution and the reasons for nonattainment of designated uses, address specific issues, determine the efficiency of pollution abatement programs, and allow administrative overview of program effectiveness.

1.2.7 Monitoring for Water Quality-Based Controls

The development of discharge controls based on receiving waterbody quality is a very high priority. It involves the collection and analysis of effluent and ambient data to develop water quality based National Pollutant Discharge Elimination System (NPDES) permit limits. This may involve the calculation of Total Maximum Daily Loads (TMDL) for specific waterbodies and Wasteload Allocations (WLA) for point source discharges.

SCDHEC uses long-term ambient monitoring data and special study data, including intensive survey data, in developing WLAs and TMDLs. The kinds of data collected for this type of monitoring may include physical and chemical characterization of effluent and receiving waters, stream hydraulics, macroinvertebrate and fish community assessment of the receiving stream, periphyton and phytoplankton sampling, and toxicity bioassays of effluents and receiving waters.

The data are used by the 303(d), Modeling, and TMDL Sections in predictive mathematical models to help determine waste treatment levels needed to maintain instream standards. The modeling results are then passed to engineers in the following Divisions: Water Facilities Permitting, Dam Safety and Stormwater Permitting, and Monitoring, Assessment, and Protection to be used as the basis for setting final NPDES permit limits. The ambient monitoring data are also used directly by the engineers the Water Facilities Permitting Division and the Dam Safety and Stormwater Permitting Division to establish background conditions for conservative and/or toxic pollutant NPDES permit limits.

1.2.8 Monitoring for NPDES Permit Compliance and Enforcement

The NPDES permit is the principal regulatory tool for controlling the quantity of pollutants discharged to the State's waters and for obtaining data on point source discharges. Data will supplied by the discharger in the form of routine Discharge Monitoring Reports (DMR) and data will be collected by SCDHEC personnel from: Compliance Sampling Inspections (State and Federal), Federal Compliance Evaluation Inspections (CEI), State Operation and Maintenance Inspections (O&M), Performance Audit Inspections (PAI), Technical Assistance Evaluations (TAE), and Pretreatment Program Audit and Inspections which are then reviewed by the Water Pollution Compliance and Water Pollution Enforcement Sections to determine the compliance status of a discharger.

In all instances of effluent noncompliance, enforcement actions are supported by all of the above data supplied by the Water Pollution Compliance and Water Pollution Enforcement Sections and all ambient monitoring, special studies, and biological monitoring data supplied by the Aquatic Science Programs. The Bureau of Environmental Health Services (BEHS) personnel conduct the majority of the routine inspections and physicochemical ambient monitoring activities. Data secured and supplied by these monitoring activities are utilized in the majority of SCDHEC's Environmental Affairs (EA) enforcement activities.

1.2.9 Making Data Readily Available

The last major consideration that has been given to developing a successful monitoring program by South Carolina is the identification of the users of data or the sources of data requests. In South Carolina, this group is quite diverse ranging from individual citizens to interested public groups to various local/state/federal agencies. Data users are:

- Departmental program areas (e.g., domestic wastewater engineers)
- Water quality trend/ambient condition analysts
- Wasteload allocation analysts
- Public/private environmental groups
- Public at large
- Other local/state/federal agencies (regulatory & non regulatory)
- Departmental administrators via program area outputs

While this large group utilizes the data for different reasons, the Department uses and applies the data to the intermediate objectives and goals as previously discussed. This is done to ascertain whether progress is being made toward successful achievement of these goals and to make correct and appropriate decisions regarding maintenance and enhancement of desirable environmental quality in the State.

Implicit in the identification of users of the data, whether in Department or out of Department, is the capacity to communicate the data to interested parties efficiently and accurately. The SC Watershed Atlas (https://gis.dhec.sc.gov/watersheds/) presents summary information from a large variety of Bureau of Water programs on a state map format, with links to many reports and detailed information on the different map features. Technical reports or internal memoranda are produced for every special study and copies are available to any interested organization or

persons. A list of technical reports is available upon request. The reports required under CWA §303(d) and §305(b) are available on the SCDHEC website, http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/. Raw data from the Ambient Surface Water Physical & Chemical Monitoring, Ocean Water Monitoring, and Groundwater Monitoring activities are available online in the National Water Quality Monitoring Council's Water Quality Portal database located at https://www.waterqualitydata.us/. Special studies data and biological data are available by request from the Aquatic Science Programs. Specific data storage guidelines are addressed in the data management sections of each type of monitoring design.

Water quality assessment in this context is a broad term describing a multitude of monitoring and sampling activities. Water quality assessment data can be used to fulfill a variety of goals: assessment of current conditions, assessment of long-term trends, determination of priority waterbodies, determination of waterbody designated use attainment or nonsupport, and identification of continuing or emerging problem areas.

By integrating all of these monitoring programs it is possible to identify the sources of pollution and the reasons for nonattainment of designated uses, address specific issues, determine the efficiency of pollution abatement programs, and allow administrative overview of program effectiveness.

1.3 Project Organization

To accomplish the objectives of the State of South Carolina Monitoring Strategy, several key individuals are identified below with their roles and responsibilities.

1.3.1 Program Coordinator/Project Manager (Central Office)

The Program Coordinator/Project Manager is responsible for the oversight of the Ambient Water Quality Monitoring Program. This includes ensuring consistency between Regional Offices and resolving any discrepancies in the sampling and notification programs. The Program Coordinator is also responsible for overall data management and reporting to the EPA. The Program Coordinator reports directly to management

1.3.2 Manager, Quality Assurance Manager (Central Office)

The Quality Assurance Manager (QAM) is responsible for the oversight of all quality assurance activities associated with the DHEC sampling and analysis SOPs. The QAM will resolve any issues when corrective actions are needed to address data quality issues involving DHEC staff and SOPs. The QAM reports directly to management.

1.3.3 Monitoring Program Manager (Central/Regional Offices)

Each Monitoring Program Manager is responsible for local oversight of the Ambient Water Quality Monitoring Program. Program Managers ensure sampling is conducted as outlined in the Monitoring Strategy and report any problems to the Program Coordinator. The Monitoring

Program Manager reports directly to management.

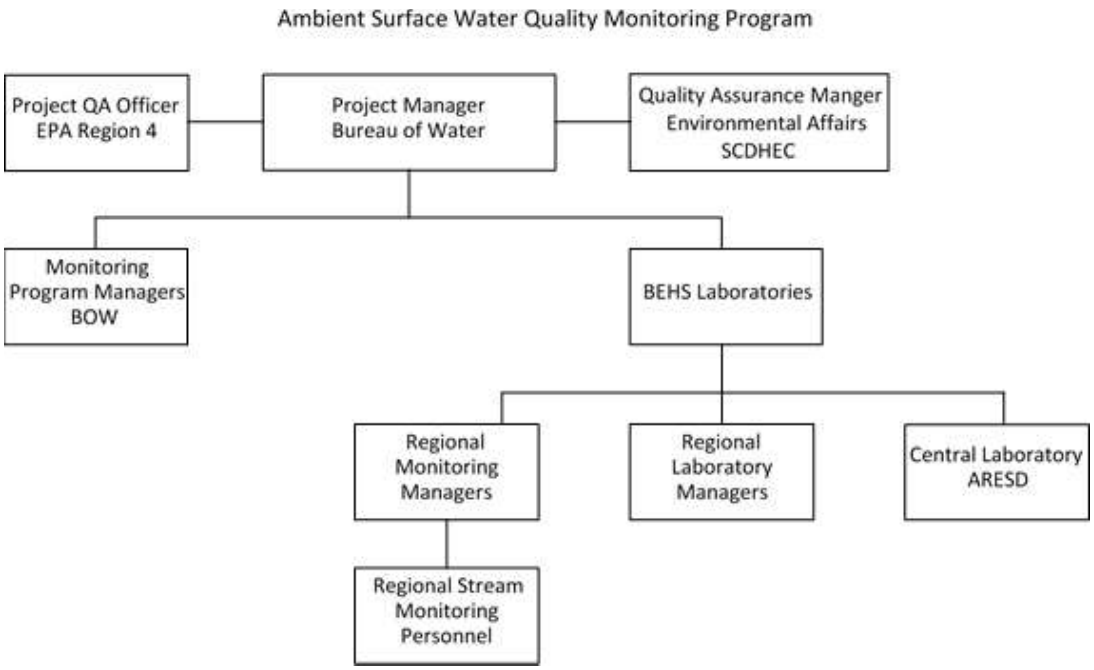
1.3.4 Laboratory Manager (Central/Regional Offices)

Each Laboratory Manager is responsible for overseeing the operations of the laboratory and assuring compliance with laboratory SOPs and Quality Control (QC) procedures. Laboratory Managers review, verify, and release data from the laboratory. Laboratory Managers report directly to management

1.3.5 Monitoring Personnel (Central/Regional Offices)

Monitoring personnel are responsible for proper sample collection and transport of samples by adhering to applicable SOPs. Monitoring staff report to the Central/Regional Office Program Manager.

1.3.6 Project Organizational Chart Ambient Surface Water Quality Monitoring Program



1.4 Project Description

1.4.1 Elements of a State Water Monitoring and Assessment Program

CWA Section 106(e)(1) requires the Environmental Protection Agency (EPA) to determine that a State is monitoring the quality of navigable waters, compiling and analyzing data on water quality, and including it in the State's Section §305(b) report prior to the award of Section §106 grant funds. The *Elements of a State Water Monitoring and Assessment Program* (EPA, 2003) is meant to serve as the framework for evaluating how state monitoring programs accomplish this

task. The EPA *Elements* document recommends the following 10 elements be included in a state program:

- Monitoring Program Strategy
- Monitoring Objectives
- Monitoring Design
- Core and Supplemental Water Quality Indicators
- Quality Assurance
- Data Management
- Data Analysis/Assessment
- Reporting
- Programmatic Evaluation
- General Support and Infrastructure Planning

These are primarily directed at monitoring activities used to address the determination of designated use support from the viewpoint of §303(d) and §305(b) of the CWA and specifically to ambient monitoring activities as opposed to compliance related monitoring.

As alluded to above and described in more detail in the following sections of this document, the Department conducts a great deal of additional water monitoring, that while not specifically used for those purposes, is nonetheless critical to carrying out the overall mission of protection and restoration of water quality in the State. Some of the *Elements* can be broadly applied to all of the Department's ambient monitoring activities, others are more appropriately addressed by the individual program area, and some are applicable at both levels. For example, the Department's overall objectives are general and applicable to multiple program outcomes, but each program may also have very specific objectives for their monitoring activities. The monitoring design may be different for different programs and some programs may employ more than one monitoring design to accomplish multiple objectives. Therefore, each ambient monitoring program area is organized with sections titled by an element and some of these sections may refer to a separate encompassing discussion of specific elements.

1.4.2 Core and Supplemental Water Quality Indicators (Measurements)

Water quality indicators are means of measuring the achievement of a desired designated use, such as support and maintenance of aquatic life, suitability for recreation, and fish and shellfish consumption.

Core indicators are considered essential for directly assessing water quality standards (WQS) attainment as they relate to the designated uses. A set of core indicators is generally used for initial water quality assessments and they are applied consistently over broad scales, e.g., statewide. A core set of indicators usually includes physical, chemical, and biological measurements of a waterbody (Table 1).

Supplemental indicators generally do not have specific water quality standards but they may help suggest sources that are causing or contributing to nonattainment of designated uses (Table 1). They could be pollutants that lack numeric water quality standards but be indicative of specific

activities such as certain manufacturing processes, agricultural practices, current land-use patterns (i.e., type and amount of development), or historic conditions that are no longer present. See the Intensive Surveys and Special Water Quality Studies section for further discussion of the selection of supplemental indicators.

The assessment of designated use support often includes the use of data generated by multiple programs. More comprehensive lists of indicators are addressed under individual program descriptions.

Table 1 below gives a general overview of the Core and Supplemental Indicators that may be routinely collected and analyzed. Greater detail is included in Appendix D.

Table 1. Core and Supplemental Indicators

	Aquatic Life Use Support	**Recreational Use Support**	**Fish Consumption**	**Shellfish Consumption**
Core Indicators	Dissolved Oxygen pH Turbidity Ammonia Nitrogen Cadmium Chromium Copper Lead Mercury Nickel Zinc **Additional indicators for selected wadeable stream sites:** Macroinvertebrate community condition Habitat assessment **Additional indicators for lakes**: Chlorophyll-a Total Nitrogen (Nitrate/Nitrite Nitrogen + Total Kjeldahl Nitrogen) Total Phosphorus	*E. coli* Bacteria *Enterococcus* Bacteria	Mercury in fish tissue	Fecal Coliform Bacteria

Table 1. Core and Supplemental Indicators (Cont.)

	Aquatic Life Use Support	Recreational Use Support	Fish Consumption	Shellfish Consumption
Supplemental Indicators	Water Temperature Air Temperature Depth of Sample Collection Five-Day Biochemical Oxygen Demand Nitrate/Nitrite Nitrogen Total Kjeldahl Nitrogen Total Phosphorus Alkalinity Iron Manganese Total Suspended Solids **Additional indicators at freshwater sites where metals are collected:** Hardness **Additional indicators for lakes:** Transparency (Secchi depth) **Additional indicators at saltwater sites:** Tide Stage Specific Conductance Salinity Other chemicals of concern in water column or sediment	Other chemicals of concern in water column or sediment	Other chemicals of concern in fish tissue, water column or sediment	Other chemicals of concern in water column or sediment

1.4.3 Data and Field Quality Objectives and Criteria

Program specific requirements for data quality objectives and assessment methodology are included in the "Data Analysis/Assessment" discussions in Sections 2.1 through 2.5. The formal Data Quality Objectives process includes the following steps:

1. State the problem
2. Identify the decision
3. Identify inputs to the decision
4. Define the study boundaries

5. Develop a decision rule
6. Specify tolerable limits on decision error
7. Optimize the design

This document serves as an umbrella Quality Assurance Project Plan that describes the entire ambient monitoring program. While steps 1 and 2 are largely mandated by the EPA, specific SCDHEC objectives are detailed in section 1.2.

Samples are collected and field measurements conducted by Bureau of Environmental Health Services (BEHS) personnel from the corresponding SCDHEC Regional Laboratory Office following the most current revision of SCDHEC's EA *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, *EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series, and *BEHSPROC Level 200 Surface Water SOP* series.

The BEHS Analytical and Radiological Environmental Services Division (ARESD) laboratories analyze the resulting chemical and microbiological samples. These data analysis provide means to complete step 3 – identify inputs to the decision. Specific performance and measurement criteria are addressed in each field and analytical SOP. Acceptance criteria for reporting results are also stated in each SOP. Detection limits for all analytical measurements may be referenced in Section IV-J of the most current revision of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories*. SOP II, Quality Assurance of Analytical Performance A of the lab manual addresses control of analytical performance. Precision, accuracy, data verification, data quality audits, corrective actions, evaluating statistical control, and anomaly determination are covered. SOP II, Quality Assurance/Quality Control Plan of the most current revision of SCDHEC's *Laboratory Procedures Manual for Environmental Microbiology*, covers similar details for microbiological analyses. The Quality Assurance Policy and criteria for assessing data quality is discussed in Section 3 of the most current revision of SCDHEC's EA *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series, and *BEHSPROC Level 200 Surface Water SOP* series. Training requirements for field and lab staff and a list of documents and records maintained is discussed in Section 2.7 of this strategy.

The study boundary, Step 4, is the entire state of South Carolina. Detailed lists of the monitoring site locations are included in Appendices A, E, F, G, and H.

The Assessment Methodology is applied as the decision rule in Step 5. This is documented in the most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters*, which is updated biennially and available on the SCDHEC website at http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/.

Steps 6 and 7 document the consequences of decision error and how to optimize the design to avoid making an erroneous decision. Section 2.1.7 details the consequences of that decision error for ambient chemical and microbiological data, Section 2.4.1 addresses macroinvertebrate data, and Section 2.4.2 addresses fish tissue data. Step 7 is included in the corrective actions to avoid decision error.

2.0 AMBIENT WATER QUALITY MONITORING SAMPLING DESIGN

Ambient Water Quality Monitoring activities are carried out as part of several different program areas, each with specific monitoring objectives. In addition to the core data required to accomplish the individual program goals, additional ancillary data are often collected that are necessary to other program areas and broader EA objectives. Much of the data collected serves multiple purposes, being used by many program areas to address several EA needs. The overall purpose of Ambient Water Quality Monitoring is to provide a system of monitoring activities that produces well defined data reflecting a variety of water quality conditions, physical, chemical, and biological, in the major water resources of South Carolina, including streams, reservoirs, estuaries, and groundwater aquifers. It should be noted that as of this year, ambient groundwater monitoring activities are still suspended with no timeline of reinitiating.

All sampling procedures and analyses are performed in accordance with the Quality Assurance Manager (QAM). All sample collection procedures follow the most current revision of SCDHEC's EA *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series, and *BEHSPROC Level 200 Surface Water SOP* series. All laboratory analyses are performed according to the most current revisions of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories* and the *Laboratory Procedures Manual for Environmental Microbiology*.

2.1 Ambient Surface Water Physical & Chemical Discrete Monitoring

2.1.1 Monitoring Objectives

The purpose of the Ambient Surface Water Physical & Chemical Monitoring Network is to provide a system of monitoring sites that are sampled in a way that produces well defined data reflecting physical and chemical conditions of the streams, reservoirs and estuaries in South Carolina.

2.1.2 Monitoring Design

There are currently two major components to Surface Water Physical & Chemical Monitoring, including ongoing fixed-location monitoring and statewide statistical survey monitoring; each is designed to provide data for water quality assessment of major water resource types at different spatial and temporal scales.

The fixed-location component of the monitoring network is comprised of Base Sites that are generally sampled once per month, year-round. Statistical Survey Monitoring Sites are typically sampled once per month for one year and are moved from year to year. These basic components are discussed in the following sections.

2.1.2.1 Base Sites

Base Sites represent the base network of 243 permanent, fixed-location, monitoring sites (Figure 1). Base Sites are sampled monthly, year-round, over an extended period of time, and in a

uniform manner to provide solid baseline data. Base Sites were chosen to target the most downstream access (pour point) of each of the National Watershed Boundary Dataset (WBD) 10-digit watershed units (WSU) in the state, as well as the major waterbody types that occur within these WSUs. In some years, individual Base Sites may satisfy the requirements of Statistical Survey Monitoring Sites (see Section 2.1.2.3 below) and are sampled monthly as part of that monitoring component. For the beginning of the 2023 sampling year, there are approximately 10 base sites that are still under a safety review and will not be sampled until appropriate measures can be taken to safely sample from these locations. Upon final determination, sampling will either resume at the current location or an alternative, comparable site location will be found.

For example, when a WSU ends in a major reservoir, a Base Site is placed in the impounded area to represent reservoir conditions and another Base Site is generally placed in the main stream feeding that part of the reservoir which represents conditions in the free-flowing portion of the WSU. Similarly, in a primarily riverine WSU ending in estuarine areas at the coast, Base Sites may be placed in both the free-flowing freshwater portion as well as the saltwater area to represent conditions in both habitats. The result is consistent data from all WSUs in the state that can be used in tracking standards compliance and long-term trends.

Samples are collected and field measurements conducted by BEHS personnel from the corresponding SCDHEC Field Laboratory Office. The most current revision and applicable sections of the SCDHEC *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series*,* and *BEHSPROC Level 200 Surface Water SOP* series are followed by all personnel. All laboratory analyses are performed according to the most current revisions of SCDHEC *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*. The number of monthly Base Sites per Field Laboratory Office for 2023 are:

Greenville	42	Florence	46
Aiken	33	Columbia	35
Charleston	28	Lancaster	28
Beaufort	29		

In addition, 6 Base Sites are collected by the Santee Cooper Public Service Authority in a cooperative effort.

Base Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and WQX parameter codes are given in Appendices C and D.

2.1.2.2 Special Request Sites

Special Request Sites are temporary fixed-location sites that target locations of special interest to the Department related to specific data needs. Examples of site selection criteria for establishment of Special Request Sites include, but are not limited to:

1. Tracking the progress of specific remediation activities.
2. Gathering additional data in specific areas for the development of total Maximum Daily

Loads (TMDLs).

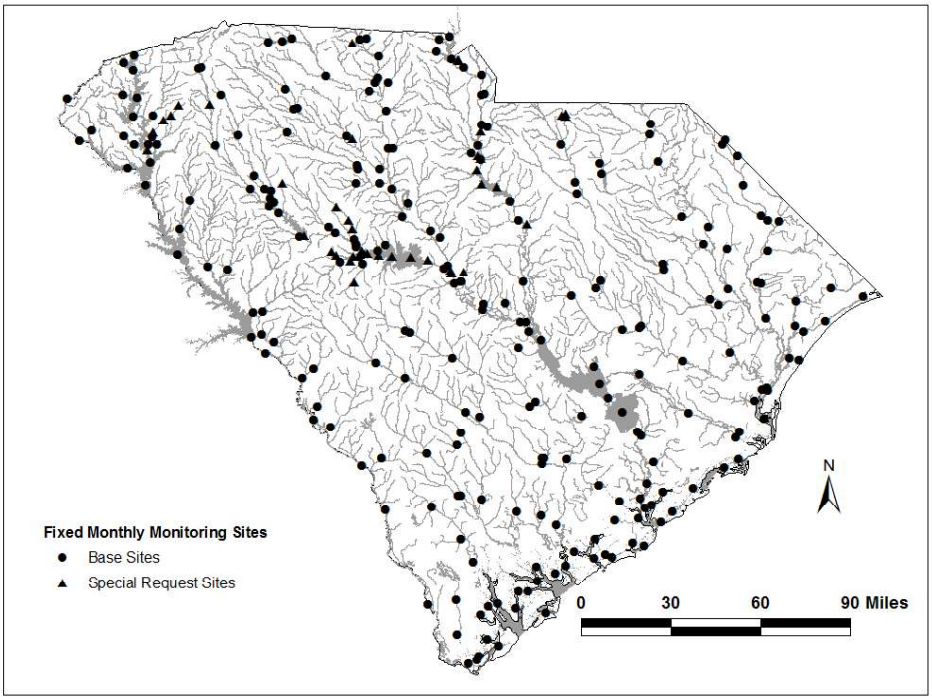
3. Gathering data for Wasteload Allocation modeling needs.
4. Obtaining data necessary for setting NPDES permit limits.
5. Special Request Sites are also sampled monthly, year-round, over a finite time period.

Samples are collected and field measurements conducted by BEHS personnel from the corresponding SCDHEC Field Laboratory Office. The most current revision and applicable sections of the SCDHEC *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series, and *BEHSPROC Level 200 Surface Water SOP* series are followed by all personnel. All laboratory analyses are performed according to the most current revisions of SCDHEC *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*. For 2023 there are 38 Special Request Sites (Figure 1) distributed amongst the Field Laboratory Offices as follows:

Greenville	5	Florence	0
Aiken	7	Columbia	16
Charleston	0	Lancaster	7
Beaufort	0	ASP	3

Special Request Sites and descriptions are listed by field laboratory in Appendix A, and by water body name in Appendix B. Parameter coverage, sampling frequency, and WQX parameter codes are given in Appendices C and D.

Figure 1. SCDHEC 2023 Fixed Monitoring Sites



2.1.2.3 Statistical Survey Monitoring Sites

Statistical survey monitoring is a design in which the population of interest is sampled in a fashion that allows statements to be made about the whole population based on a subsample and produces an estimate of the accuracy of the assessment results. The advantage of the statistical survey sampling design is that statistically valid statements about water quality can be made about large areas based on a relatively small subsample. Statistical survey water quality data can be used to make inferences, with known confidence, about the condition of the water resources of the State.

A statewide statistical survey, or random sampling, component is part of the Ambient Surface Water Quality Monitoring Network. Separate monitoring schemes have been developed for stream, lake/reservoir, and estuarine resources to represent the entirety of each resource type as described below. Each year a new set of statistical survey sites is selected for each waterbody type. Site selection is done in association with the U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory (NHEERL), Corvallis, Oregon. Although statements about resource conditions can theoretically be made based on data from a single year, the compilation of data from additional years will increase the confidence and accuracy of statements about water quality. An additional advantage of the statistical survey approach is that it presents the opportunity for previously unsampled locations to be selected for data collection.

Streams

Approximately 30 statistical survey sites will be sampled in streams each year (Figure 2). Some of the statistical survey locations may correspond to existing fixed Base Sites. Each statistical survey site will be sampled monthly for one year and may be prioritized for a macroinvertebrate community and habitat analysis. For the 2023 sampling year, most of the 2022 stream sites are being reused due to a safety stand down that suspended most sampling activates during the sampling season. With the random survey programs limited sampling window, each individual sample holds a higher value and because of the several stations not being able to be restart in a timely manner the whole program was suspended for the remainder of 2022 calendar year. Any data collected in 2022 will not be used in any survey analysis. The 2023 data will be combined with the upcoming years data for any subsequent state wide standards analysis. These sites have been re-named to align with current year's naming convention. Streams of different sizes may be more or less sensitive to different types of environmental perturbations. Because of this, three stream sizes have been specifically targeted to ensure they are represented in the selected statistical survey sites.

1. First Order streams, or headwater streams, are targeted because these represent streams with the least dilution capacity and therefore are most immediately impacted by adjacent land use activities and associated runoff. These streams may also serve as spawning areas for fish and refuge areas for young from larger aquatic predators.

2. Second and Third Order streams, are also streams with relatively small dilution capacity and represent important habitat for reproduction and survival of aquatic life. They may also reflect the direct impacts of major land use activities.

3. Fourth Order and larger streams include the major rivers of the State. In general, these streams have greater dilution capacity and are less affected by small-scale land use perturbations and may be heavily utilized for contact recreation.

These different sizes do not occur in equal proportions in the state; therefore, an unequal weighting procedure is used in the site selection process to guarantee inclusion of all three sizes.

Taken together and using the proper weighting factors, the random stream sites can be used to make statistically valid statements about all stream resources of the State.

Samples are collected and field measurements conducted by BEHS personnel from the corresponding SCDHEC Field Laboratory Office. The most current revision and applicable sections of the SCDHEC *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series*,* and *BEHSPROC Level 200 Surface Water SOP* series are followed by all personnel. All laboratory analyses are performed according to the most current revisions of SCDHEC *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*. The 2023 Statistical survey Stream Sites are distributed by Field Laboratory Offices as follows:

Greenville	7	Florence	7
Aiken	4	Columbia	4
Charleston	2	Lancaster	5
Beaufort	1		

Statistical survey Stream Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and WQX parameter codes are given in Appendices C and D.

Lakes/Reservoirs

Approximately 30 statistical survey sites will be sampled in lakes/reservoirs each year (Figure 2). Some of the statistical survey locations may correspond to existing fixed Base Sites. Each statistical survey site will be sampled monthly for one year. Eligible lakes/reservoirs are restricted to "significant lakes", which refers to those freshwater lakes/reservoirs with at least 40 acres surface area that offer unrestricted public access. The size of significant lakes/reservoirs varies immensely; therefore, two size classes of lakes/reservoirs have been specifically targeted to ensure that the smaller lakes/reservoirs are represented in the selected statistical survey sites.

1. Major Lakes/Reservoirs- greater than 850 acres surface area.

2. Minor Lakes/Reservoirs- greater than 40 acres surface area, but less than or equal to 850 acres.

Each year there will be 20 Major Lake/Reservoir sites and 10 Minor Lake/Reservoir sites. Taken together and using the proper weighting factors, the statistical survey lake/reservoir sites can be used to make statistically valid statements about all lake/reservoir resources of the State.

Samples are collected and field measurements conducted by BEHS personnel from the

corresponding SCDHEC Field Laboratory Office. The most current revision and applicable sections of the SCDHEC *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series, and *BEHSPROC Level 200 Surface Water SOP* series are followed by all personnel. All laboratory analyses are performed according to the most current revisions of SCDHEC *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*. The 2023 Statistical survey Lake/Reservoir Site network is regionally organized with the following assignments:

Greenville	14	Florence	1
Aiken	2	Columbia	4
Charleston	0	Lancaster	4
Beaufort	0		

In addition, 5 Statistical survey Lake/Reservoir Sites will be collected by the Santee Cooper Public Service Authority in a cooperative effort. Statistical survey Lake/Reservoir Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and WQX parameter codes are given in Appendices C and D.

Estuaries

The coastal estuarine statistical survey monitoring scheme has been developed jointly by SCDHEC, Bureau of Water, and the South Carolina Department of Natural Resources (SCDNR) Marine Resources Research Institute (MRRI). This effort is known as the South Carolina Estuarine and Coastal Assessment Program (SCECAP). The sampling of the statistical survey coastal estuarine sites is a cooperative venture between SCDHEC and SCDNR-MRRI. To ensure inclusion of a variety of estuarine ecosystems and habitats, the coastal estuaries have been divided into two discrete categories (strata) based on a common GIS cover developed and utilized by both agencies.

1. Tidal Creeks, identified as less than 100 meters wide on the GIS cover, serve as nursery areas for important marine species and are most immediately affected by upland land use activities and associated runoff.

2. Open Water areas, identified as greater than 100 meters wide on the GIS cover, represent larger estuarine rivers and sounds.

Within these waterbody strata there are typically two distinct types of monitoring sites based on sampling frequency, Core Sites and Supplemental Sites. Core Sites (Figure 2) are sampled monthly for one year by BEHS personnel from the corresponding SCDHEC Field Laboratory Office. SCDNR-MRRI samples annually for sediment chemistry, sediment physical characteristics, sediment toxicity, benthic infauna community composition, fish trawls, and personnel deploy multi-parameter datasondes for up to 25 hours following the QAPP developed for the USEPA National Coastal Assessment Program. Aquatic Science Personnel collect water samples annually in coordination with SCDNR-MRRI for chemical and biological analysis as well as collect on site in situ measurements with a multi-parameter datasonde at the surface, mid, and bottom depths. The most current revision and applicable sections of the SCDHEC *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual,*

EA Quality Management Plan, BEHSPROC Level 100 Quality SOP series, and *BEHSPROC Level 200 Surface Water SOP* series are followed by all SCDHEC personnel. All laboratory analyses are performed according to the most current revisions of SCDHEC *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*.

When resources are available, additional Supplemental Sites may be selected and sampled. The Supplemental Sites are sampled one time by SCDNR-MRRI for sediment chemistry, sediment physical characteristics, sediment toxicity, benthic infauna community structure, up to 25-hour multi-parameter datasonde deployments, and fish trawls.

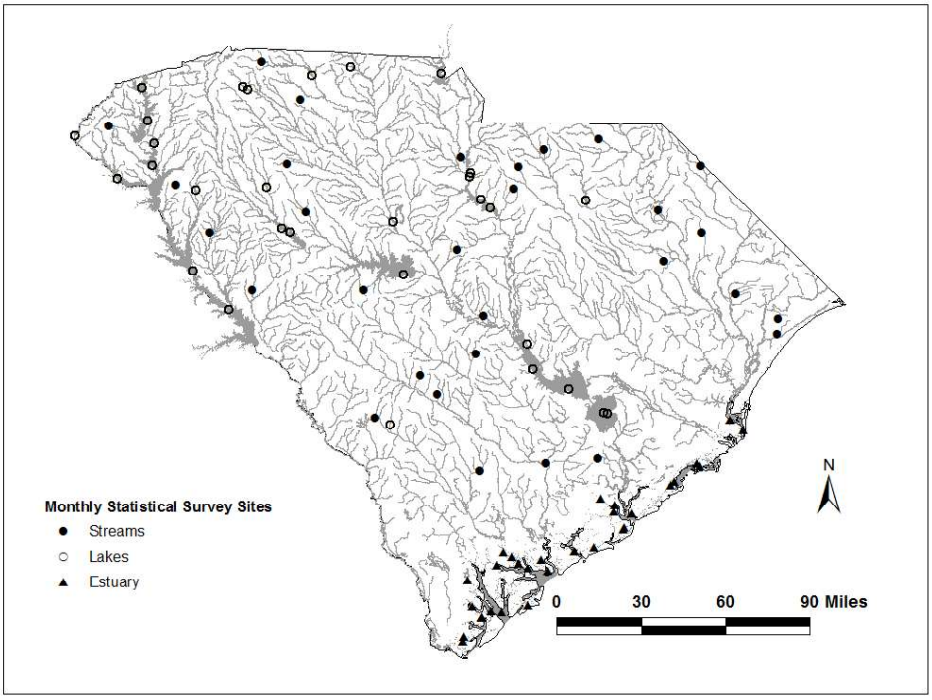
Each year there will be 15 Core Tidal Creek sites, 15 Core Open Water sites, and when resources are available, additional Supplemental Tidal Creek and Open Water sites may be sampled. Some of the statistical survey locations may correspond to existing fixed Base Sites.

The total number of Core 2023 Statistical survey Estuary Sites is distributed between three Field Laboratory Offices with the following assignments:

Charleston	12	Florence	2
Beaufort	16		

Core Tide Creek and Core Open Water Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and WQX parameter codes are given in Appendices C and D.

Figure 2. SCDHEC 2023 Statistical Survey Sites



2.0.1 Schedule for the Ambient Surface Water Quality Monitoring Program for Calendar Year 2023 by Field Laboratory Office

The following is the schedule for collection of non-monthly parameters for each Regional Laboratory Office. The schedule includes the number of each type of sample to be collected, and it also includes the month(s) for collection. All other parameters, with the exception of chlorophyll a, are collected every month. Please refer to Appendix C and Appendix D for details relevant to specific parameters for each station.

Lab: Aiken

Permanent Year-Round Surface Sites
Base and Special Request - 40 Total
Statistical Survey Surface Sites - 6 Total

Lab: Beaufort

Permanent Year-Round Surface Sites
Base and Special Request - 29 Total
Statistical Survey Surface Sites - 17 Total

Lab: Charleston

Permanent Year-Round Surface Sites
Base and Special Request - 28 Total
Statistical Survey Surface Sites - 14 Total

Lab: Columbia

Permanent Year-Round Surface Sites
Base and Special Request - 57 Total
Statistical Survey Surface Sites - 8 Total

Lab: Florence

Permanent Year-Round Surface Sites
Base and Special Request - 46 Total
Statistical Survey Surface Sites - 10 Total

Lab: Greenville

Permanent Year-Round Surface Sites
Base and Special Request - 47 Total
Statistical Survey Surface Sites - 21 Total

Lab: Lancaster

Permanent Year-Round Surface Sites
Base and Special Request - 38 Total
Statistical Survey Surface Sites - 9 Total

2.1.3 Core and Supplemental Water Quality Indicators

Table 1 in Section 1.4.2 lists the primary Core Indicators used in making use support determinations and additional Supplemental Indicators that are also collected. Because of the statewide scale of the routine surface water monitoring program, the choice of supplemental indicators is dictated by laboratory capacity and resources and the general utility of the resulting data in identifying potential sources contributing to nonattainment of designated uses on a large scale. Assessment of designated use support often includes the use of data generated by other Ambient Water Quality Monitoring programs detailed in the following sections.

Appendix D provides a more detailed list of the basic parameters measured customarily as part of routine Surface Water Physical & Chemical Monitoring activities. Detailed information for individual monitoring locations is included in Appendix C.

2.1.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the USEPA approved Quality Management Plan for SCDHEC under the supervision of the Quality Assurance Manager (QAM). All SCDHEC field personnel follow the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, EA Quality Management Plan, BEHSPROC Level 100 Quality SOP* series, and *BEHSPROC Level 200 Surface Water SOP* series as appropriate. All laboratory analyses are completed in accordance with SCDHEC *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.1.5 Data Management

Routine ambient stream samples are collected by Regional BEHS personnel with some analyses conducted in the Regional Laboratories and others by the Central Laboratory. Data for samples that are analyzed in the Regional Laboratories are reported on the appropriate data sheets and released by the sample custodian for the region. These data sheets are sent to the ARESD in Columbia and are then sent to the appropriate program areas. All Ambient Surface Water Physical & Chemical Monitoring data are received by Aquatic Science Programs from the Data Management Section, BEHS. The data are reviewed, edited, and stored into the IMAP database. The Aquatic Science Programs performs a 10 percent review of all data to ensure quality assurance of the data. The data are uploaded to the National Water Quality Monitoring Council's Water Quality Portal water quality database at https://www.waterqualitydata.us/. Data

sheets are kept on file in the Aquatic Science Programs.

2.1.6 Data Analysis/Assessment

The SCDEHC data analysis and assessment methodology used to make attainment decisions about State waters is included as part of the Integrated Report, which is submitted to EPA on even numbered years for review and approval. The most recent version is published in the most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters* which can be found on the SCDHEC website at http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/. Specific limits on assessment decision rules are listed in Table 2 below.

Table 2: Assessment Decision Rules

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Gray Region	Probability Value
Chemical	Most current South Carolina Regulation 61-68 Water Classifications and Standards Most current South Carolina Regulation 61-69 Classified Waters	Waterbody does not exceed criteria	For conven-tional pollutants 90% of data points fall within criteria For potentially toxic pollutants no more than 2 samples exceed appropriate chronic or acute criteria	Place on §303(d) list erroneously	Additional data are collected and assessment revised. Waters removed from the §303(d) list	Macro-invertebrate data indicates aquatic life use is fully supported and chemical data exceed criteria	Aquatic life use support decision is based on macro-invertebrate results
Bacterio-logical	Most current South Carolina Regulation 61-68 Water Classifications and Standards	Waterbody does not exceed criteria	90% of data points fall within criteria or guidelines	Place on §303(d) list erroneously	Additional data are collected and assessment revised. Waters removed from the §303(d) list		Support decision is based on criteria and approved assessment methodology

2.1.7 Reporting

Data generated by the Ambient Surface Water Physical & Chemical Monitoring Program are used routinely in the preparation of the biennial Integrated Report, which addresses the CWA §303(d), §305(b), and §314 reporting requirements. These reports are available on the SCDHEC website http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/.

These data are available both internally and publicly and may be used by other program areas for

various purposes, including triennial water quality standards reviews, use attainability analyses (UAAs), standards revisions, water quality based effluent limits (WQBELs) in permits, total maximum daily loads (TMDLs), nonpoint source programs, and other watershed plans.

2.2 Ambient Surface Water Physical & Chemical Continuous Monitoring

2.2.1 Monitoring Objectives

The purpose of Ambient Surface Water Physical & Chemical Continuous Monitoring is to investigate temporal, as well as spatial variation of specific parameters, in a way that produces well defined data reflecting physical and chemical relationships of the streams, reservoirs, and estuaries in South Carolina.

2.2.2 Monitoring Design

Continuous monitoring sampling sites are located in systems (reservoirs, streams, estuaries) where discrete monthly sampling is insufficient for specific purposes. Monitoring sites are positioned so as to complement existing discrete monitoring locations and to fully characterize the system to the greatest extent possible. Continuous monitoring datasondes are deployed on buoys, or affixed to floating docks if available, at two-week intervals. Monitoring at a depth of 0.3 meters is continuous (15-minute intervals) throughout the growing season (May 1 –October 31). The deployment period for individual meters, or for a complete study, may be altered depending on physical constraints and the objectives of the study.

2.2.3 Core and Supplemental Water Quality Indicators

The datasonde firmware calculates salinity from temperature and conductivity and makes any needed temperature adjustments to dissolved oxygen readings. Notification of updated firmware is pushed to the end-users by the manufacturer and is installed to the datasondes by SCDHEC personnel.

Results are reported as follows. The number of significant digits is dictated by the sensor precision of each measurement. Please see the datasonde-specific manual for these details.

Temperature – °C
Conductivity – umhos/cm
Salinity – PPT (estuarine only)
pH – Standard Units (S.U.)
Dissolved Oxygen – mg/L
Chlorophyll a – µg/L
Phycocyanin – µg/L
Turbidity – NTU

2.2.4 Quality Assurance

All continuous monitoring procedures and data analyses are performed in accordance with the Bureau of Water's, *Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water*.

2.2.5 Data Management

Once a datasonde is verified after deployment the raw data are downloaded to a SCDHEC database which is backed up nightly.

2.2.6 Data Analysis/Assessment

Calibration, verification, and validation criteria for continuous monitoring data are listed in Table 3. Failure to meet these criteria during instrument calibration and verification requires that the calibration be performed again and it may include troubleshooting the datasonde in accordance with the manufacturer's specific guidance. Post-deployment verification occurs prior to cleaning and maintaining the datasonde. If verification fails the first time, the datasonde is cleaned and the verification is performed again.

Post processing of the data may be performed according to the *Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water*. The data may still be used if it meets the Maximum Allowable Limits for Data Adjustment listed in Table 3 and if it meets data quality objectives.

Table 3. Bureau of Water Calibration Verification Criteria (source: SOP for Continuous Monitoring of Ambient Water)

Parameter	USGS Calibration Verification Criteria (Open-File Report 2014-1151)	BOW Calibration Verification Criteria
Temperature	± 0.2 ºC	Secondary confirmation with NIST thermometer at least once during field season. ± 0.1 °C
Specific Conductance	± 5 umhos/cm or ±3 % of the measured value, whichever is greater	±10%
Dissolved oxygen	± 0.3 mg/L	± 0.2 mg/L
pH	± 0.2 pH unit	± 0.2 unit
Turbidity	± 0.5 NTU or ± 5% of the measured value, whichever is greater	± 10%
Phycocyanin	± 0.5% of the expected value	± 10%
Chlorophyll *a*	± 0.5% of the expected value	± 10%

2.2.7 Reporting

Continuous monitoring data are reported in the final report for which the data was used.

2.3 Ocean Water Monitoring

2.3.1 Monitoring Objectives

The objective of South Carolina's Ocean Water Monitoring program is to protect public health through the issuance of swimming advisories based on accurate, representative sampling.

2.3.2 Monitoring Design

Sampling sites are located along the beachfront based on public access points. Additional sites are located near problem areas such as swashes and storm drain outfalls. Each site location has been recorded with global positioning systems (GPS) technology and mapped. Samples are collected at knee depth (approximately two feet) to best represent the area where recreation normally occurs. See Appendix E for sample site locations at the time of this publication. As swimming season approaches some modification to sample sites may be made. There are a total of 122 currently active sites in three regions monitored according to the monitoring design in Table 4.

Table 4. Ocean Water Monitoring design

		Tier 1	**Tier 2**
A. When to Conduct Basic Sampling		May 1 - October 1 Once per week Random tidal stages	May 1 - October 1 Twice per month Random tidal stages
B. When to Conduct Additional Sampling	Rainfall events	N/A	N/A
	After a water quality standard is exceeded	If any sample exceeds the action level a repeat sample will be taken within 24 hours of result notification, except where a permanent advisory sign is in place.	
	After a sewage spill or pollution event	Sampling will be conducted as soon as possible following a sewage spill or other pollution event. At the region manager's discretion, beaches will be preemptively placed under advisory until satisfactory sample results are received.	
	Reopening after advisory or closure	Additional samples shall be taken following an advisory until sample results fall below the action level and advisory is lifted.	

Further information regarding the monitoring design and sample site selection criteria can be found in *South Carolina Beach Monitoring Program Quality Assurance Project Plan*, Appendix B.

2.3.3 Core and Supplemental Water Quality Indicators

The State records the following parameters for each ocean water sample: project code and county location, sample date, sampling time, station number, sample collector, sample identification numbers, weather conditions, rainfall amount in previous 24 hours, tidal condition, wind direction, enterococci (most probable number based on the Enterolert Quanti-tray sample method), chain of custody, and comments. Of the parameters listed, the only critical measurement is the Enterolert result. Other parameters are collected primarily for informational purposes only.

2.3.4 Quality Assurance

All sampling procedures and analyses are performed in accordance with the *South Carolina Beach Monitoring Program Quality Assurance Project Plan*.

2.3.5 Data Management

Copies of the completed Ocean Water Quality Sampling Data forms (DHEC 2508) are entered into IMAP by the Program Coordinator in Central Office. A hard copy of the form is maintained by the Field Laboratory and the original is sent to the Central Office. Data sheets are kept for three years per the retention schedule. At the end of the beach season, all data is distributed to the EPA. Data are also available to the public by request and on the beach access website http://gis.dhec.sc.gov/beachaccess/.

2.3.6 Data Analysis/Assessment

Swimming advisories are issued based on a single sample limit of 500 Enterococci/100 mL or a single sample exceeding 104 Enterococci/100 mL followed by a repeat sample exceeding 104 Enterococci/100 mL. An advisory may also be issued with the first sample greater than 104 Enterococci/100 mL if there is a potential source of bacteria nearby, such as a swash or stormwater drainage pipe. When an extreme weather event, such as a hurricane, tropical storm, or torrential rain occurs, a general advisory may be issued without current sampling data. It is known that significant rainfall within a 24-hour period causes elevated bacteria counts that exceed the advisory action levels at some stations. Data assessment procedures can be found in the *South Carolina Beach Monitoring Program Quality Assurance Project Plan* Appendices D and E.

2.3.7 Reporting

In the event of an advisory, signs will be posted at conspicuous areas on the affected beach, if needed. Some sampling sites are permanently advised. Beach advisory signs includes a statement that explains that swimming is not advised due to high bacteria levels in the water, but that wading, fishing, and shell collecting do not pose a risk, and it also lists contact information. Advisories are also available through the SCDHEC website and beach access website. SCDHEC and local partners developed CheckMyBeach.com to educate and direct people to actively check advisories online. For beaches not participating in CheckMyBeach.com, the local media outlets

are contacted via press release. A copy of the advisory is sent by electronic mail to the program coordinator and each coastal regional EA office (Myrtle Beach, Beaufort, and Charleston). All advisory data are distributed to the EPA annually, at a minimum. Further information regarding reporting is available in the *South Carolina Beach Monitoring Program Quality Assurance Project Plan*, Section A9 and Appendix C.

2.4 Biological Monitoring

The biological monitoring network provides information that will allow for the detection and evaluation of changes in the stability of aquatic communities including macroinvertebrates, phytoplankton, and the analysis of fish tissue. The various activities falling under the biological monitoring program are detailed below.

2.4.1 Macroinvertebrate Bioassessment

Ambient stream macroinvertebrate bioassessments are currently focused on monitoring the condition of stream water quality statewide, but also include an array of large river sites. Emphasis is placed on building datasets with a long history of frequent sampling to allow for better resolution in the identification of water quality trends. Additionally, biological monitoring continues at statistical survey and special study stations statewide. The review of reports required by NPDES permits is ongoing.

2.4.1.1 Monitoring Objectives

The use of aquatic macroinvertebrates in environmental studies by SCDHEC began in 1974 (SCDHEC 1974, 1975). Since then the macroinvertebrate monitoring program has become an important part of the Agency and is utilized for: trend monitoring of streams and rivers, the results of which are included in the §305(b) report to congress, reporting of streams that do not meet aquatic life uses to be included on the §303(d) list, assessment of the potential impacts of NPDES discharges into waters of the state, evaluation of impacts of catastrophic events such as oil spills, evaluation of the effects of nonpoint source impacts on streams and rivers, evaluation of potential outstanding resource waters of the state, providing data for conservation agencies and programs, documenting biodiversity, and demonstrations for volunteer monitoring programs, school groups, 4H groups, and environmental festivals in the state of South Carolina. In addition, bioassessments help inform standards as the results are direct measures of aquatic life condition of waters of the Nation.

2.4.1.2 Monitoring Design

Sampling sites for macroinvertebrate bioassessments fall into three categories: fixed stations, special study stations, and statistical survey stations. Fixed stations were once sampled on a rotating schedule with approximately 80 stations completed per year. Due to this schedule, each site was typically sampled once every 5 years. Currently, 80 of these sites are being sampled every 3 years so that possible trends might be observed in greater resolution. The remaining fixed stations are sampled as often as resources allow. These fixed stations were established by professional judgment. Criteria for site selection included watershed area, stream size,

accessibility, and proximity to surface water quality stations. Generally, fixed site macroinvertebrate bioassessments are conducted on mid-order or larger flowing streams. The resulting data represent the present condition of these streams.

Special studies are conducted as needed and are normally completed in order to evaluate potential perturbation from point source or non-point source events. Examples include chemical releases, oil spills, forestry activities, or development activities. These studies usually involve comparing an upstream control station with a station downstream of the potential impact. These studies can be a one-time event or they may continue over a period of months or years.

Statistical survey station sampling occurs during the normal fixed station index period. These sites may fall anywhere in the state and because the selection process is random, these sites change from one year to the next. Collectively, data from the statistical survey sites provide an overview of conditions in the streams and rivers of the state.

2.4.1.3 Core and Supplemental Water Quality Indicators

Ecological health of the aquatic macroinvertebrate community is determined using a variety of biometrics outlined in the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, Section 8. The EPT (Ephemeroptera, Plecoptera, and Trichoptera) Index and Biotic Index are used to calculate a Bioclassification Score, which will be used to determine the aquatic life use support rating of the stream or river. On rare occasions other metrics may be evaluated such as Taxa Richness and Total Count, and professional judgment will be used to determine the final aquatic life use rating. For special study stations, it is the change in the bioclassification score from the upstream control site to the downstream test site that will determine the level of impairment an activity may have on a stream.

2.4.1.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the USEPA approved *Quality Management Plan for S.C. DHEC*, under the supervision of the Quality Assurance Manager (QAM). All procedures will follow the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, Sections 8, 14, and 19. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.4.1.5 Data Management

Macroinvertebrate and habitat data are entered into an in-house relational database program which generates metric calculations and reports. All data are available to the public through the Freedom of Information Act. Coverage of the macroinvertebrate monitoring stations is available through an in-house Geographic Information System.

2.4.1.6 Data Analysis/Assessment

Refer to most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, Section 8. Specific limits on assessment decision rules are listed in Table 5 below.

Table 5. Limits on Assessment Decision Rules- Macroinvertebrate

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Gray Region	Probability Value
Macro-invertebrate	Most current South Carolina Regulation 61-68 Water Classifications and Standards Most current revision of Environmental Investigations Standard Operating Procedures and Quality Assurance Manual , Section 8.4	Waterbody does not fall below regional guidelines Aquatic Community below point source is similar to community at upstream control	Index values meet or exceed regional guidelines Difference between upstream and downstream index value is no greater than guidelines	Place on §303(d) list erroneously Point source discharger is required to investigate potential cause of condition	Additional data are collected and assessment revised. Waters removed from the §303(d) list Continued monitoring to determine variability	Bio-assessment scores can be affected by non-anthropogenic stressors. Discharge into headwater streams lack upstream control.	Support decision is based on field, habitat, or chemical data

2.4.1.7 Reporting

Macroinvertebrate community assessment conclusions are shared within the Aquatic Science Programs for consideration in the development of assessments pursuant to §303(d) and §305(b) of the Clean Water Act.

2.4.2 Fish Tissue Monitoring

2.4.2.1 Monitoring Objectives

The collection of fish for the purpose of tissue analysis is necessary to detect the presence and levels of heavy metals, pesticides, and toxic organic compounds in edible tissue that may concentrate through aquatic food chains and threaten the health of human consumers. Aquatic organisms may accumulate contaminants through gills and epithelial tissue directly from water and sediment (bioconcentration), a combination of bioconcentration and dietary sources (bioaccumulation), or a process by which the tissue concentrations increase as the contaminant passes up the food chain (biomagnification). Data collected is used to issue consumption advisories for the protection of public health when necessary.

2.4.2.2 Monitoring Design and Core and Supplemental Indicators

A Statewide Survey for mercury contamination was initiated in 1993 and is ongoing at this time. Largemouth bass (*Micropterus salmoides*) and one other common game fish will be sampled at approximately 60 freshwater sites. Fish tissue sites are established for lakes, rivers, and streams based on river miles or surface acreage. Generally, at least ten samples from each site will be analyzed for mercury and up to two samples from each site will be analyzed for other heavy metals, pesticides, and polychlorinated biphenyls (PCBs). Monitoring site locations are listed in Appendix G of this strategy.

Through a cooperative effort, SCDNR-MRRI provides saltwater fish each year from estuaries for tissue analysis. The target marine species are red drum (*Sciaenops ocellatus*), spotted seatrout (*Cynoscion nebulosus)*, and southern flounder (*Paralichthys lethostigma*). Emphasis will be placed on Upper and Lower Cape Romain, the Ashley River, Charleston Harbor, Winyah Bay, the ACE basin (Ashepoo, Combahee, and Edisto Rivers), and the Wando River. SCDNR also provides samples of swordfish (*Xiphias gladius*), wahoo (*Acanthocybium solandri*), common dolphinfish (*Coryphaena hippurus*), and tuna (*Thunnus sp.*) for tissue analysis, as available. Through a cooperative effort with other Southeastern coastal states, King mackerel (*Scomberomorus cavalla*) and Spanish mackerel (*Scomberomorus maculatus*) will be collected from select fishing tournaments and SCDNR routine sampling. The resulting data will be used to supplement the current advisories on mackerel. Tissue from select other saltwater species will be obtained as they become available.

2.4.2.3 Data Assessment

A risk-based approach is used by SCDHEC to evaluate contaminant concentrations in fish tissue and to issue consumption advisories in affected waterbodies. This approach compares the average daily exposure dose to the reference dose (RfD). Using these relationships, fish tissue data are interpreted by determining the consumption rates that would not likely pose a health threat to adult males and nonpregnant adult females. Because an acceptable RfD for developmental neurotoxicity has not been developed and because scientific studies suggest that exposure before birth may have adverse effects the health of infants, pregnant women, infants, and children are advised to avoid consumption of fish from any waterbody where an advisory has been issued. Specific limits on assessment decision rules are listed below.

Table 6. Limits on Assessment Decision Rules- Fish Tissue

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Probability Value
Fish Tissue	Most current South Carolina Regulation 61-68 Water Classifications and Standards Most current revision of Environmental	Fish tissue samples do not exceed risk-based contaminant concentration	Tissue concentration meet risk-based contaminant concentration	Place on §303(d) list and issue fish consumption advisory erroneously	Additional data are collected and assessment revised. Waters removed from the §303(d) list	Support decision is based on accepted risk-based approach

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Probability Value
	Investigations Standard Operating Procedures and Quality Assurance Manual, Section 8.5					

2.4.2.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the USEPA approved *Quality Management Plan for S.C. DHEC*, under the supervision of the Quality Assurance Manager (QAM). All procedures will follow the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, Sections 8, 14, and 19. All laboratory analyses are performed according to the most current revision of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories*. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.4.2.5 Data Management

After samples are collected, all data sheets are kept on file in the Aquatic Science Programs until sample analysis is completed. Upon completion of analysis, any physical or chemical data are placed in National Water Quality Monitoring Council's Water Quality Portal water quality database at https://www.waterqualitydata.us/. Fish tissue results are entered into an Excel database and hard copies are filed and kept on site. The tissue data are currently being entered and stored in a separate database that will be uploaded to National Water Quality Monitoring Council's Water Quality Portal water quality database at https://www.waterqualitydata.us/ or a similar data tracking system.

2.4.3 Chlorophyll & Cyanotoxin Monitoring

2.4.3.1 Monitoring Objectives

Phytoplankton are microscopic plants that live free-floating and suspended in bodies of water. The abundance of phytoplankton can strongly influence non-biological aspects of water quality such as pH, dissolved oxygen, color, taste, and odor. Certain species of phytoplankton flourish in highly eutrophic (nutrient enriched) waters while distinct types are very sensitive to organic and/or other chemical wastes. Some species are capable of producing noxious blooms in the form of highly turbid water, floating algal mats, or surface scums. Offensive odors and tastes may develop from these blooms, thereby spoiling a water resource for its various uses. Anoxic conditions that may kill fish and other aquatic life can also result from excessive algal blooms. A few species of phytoplankton can produce toxins that can cause human illness and animal deaths; when this occurs, it is referred to as a harmful algal bloom (HAB). Chlorophyll- α is the primary molecule in photosynthesis and can serve as an indirect measure of phytoplankton

biomass. High chlorophyll concentrations could serve as a warning of the potential to develop HAB conditions. The algal biomass is therefore likely to be indicative of water quality in a selected water body.

Consequently, chlorophyll-α analyses is a particularly useful biological indicator for assessing nutrient enrichment in water bodies and can aid in management decisions for protecting water resources. Chlorophyll-α can be used to assess current water quality in lakes/reservoirs of interest and can provide a baseline of data to assist in identifying any potential changes. In addition, the effectiveness of management actions to control nutrient enrichment can be evaluated through a continuing chlorophyll monitoring program.

While certain measures of eutrophication such as chlorophyll- α, nitrogen, phosphorus, and water clarity may show correlation with cyanobacteria produced toxins (cyanotoxins), these measures alone do not provide a full picture of environmental conditions associated with cyanotoxins. Measuring for cyanotoxins at lower levels can help provide the baseline in South Carolina lakes and estuaries for their occurrence.

2.4.3.2 Monitoring Design

Sites for chlorophyll-α monitoring are selected using an integrated approach to best characterize the quality status of the State's waters. This process includes selecting a variety of sites including fixed-station and statistical survey design. Individual sites monitored for chlorophyll-α are designed to be representative of segments (e.g., estuary) or areas (embayment of lake) of targeted water bodies. Collectively, monitored sites provide an overview of conditions in specific resource types (e.g., coastal estuaries, lakes/reservoirs, etc.).

For CY 2023, chlorophyll-α samples will be collected monthly, May through October, at the 30 lake statistical survey sites, 39 Base Lake Sites, 30 Lake statistical survey sites, 18 Special Request Lake Sites, 43 Base Estuary Sites and 30 Estuary statistical survey sites and analyzed following the *Chlorophyll-α Laboratory Methods* Standard Operating Procedure (SCDHEC Bureau of Water, Aquatic Science Programs, 2020).

For CY 2023, cyanotoxin samples will be collected monthly, May through October, at 39 Base Lake Sites, 18 Special Request Lake Sites, and 43 Base Estuary Sites and analyzed following the *Determination of Total Microcystins and Cylindrospermopsin in Ambient Water* Standard Operating Procedure (SCDHEC Bureau of Water, Aquatic Science Programs, 2020).

This includes 3 Base Lake Sites and 5 Statistical Survey Lake Sites in a cooperative effort with the Santee Cooper Public Service Authority who samples these sites.

An additional 5 to 10 sites will be sampled for chlorophyll-α and cyanotoxins from May-October based on previous issues with algal blooms and/or taste and odor issues. These sites will be selected before the sampling season based on survey responses from drinking water providers/operators and/or lake owners.

2.4.3.3 Core and Supplemental Water Quality Indicators

Chlorophyll-α and cyanotoxin concentrations are a core indicator for lake/reservoirs habitats that can be used for direct comparison to numeric State standards. In estuaries, where numeric standards are under development for Chlorophyll-α, it serves as a supplemental indicator.

2.4.3.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the most current USEPA approved *Quality Management Plan for S.C. DHEC*, under the supervision of the Quality Assurance Manager (QAM). All procedures follow SCDHEC *Technical Report 06609-15* and the standard operating procedures of *Chlorophyll-α Laboratory Methods* and *Determination of Total Microcystins and Cylindrospermopsin in Ambient Water*. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.4.3.5 Data Management

Chlorophyll-α data are placed in National Water Quality Monitoring Council's Water Quality Portal water quality database at https://www.waterqualitydata.us/ where it is directly accessible by the general public. At a minimum, chlorophyll-α and cyanotoxin data are entered into the Water Quality Portal annually.

2.4.3.6 Data Analysis/Assessment

Assessment of Chlorophyll-α data is included in the SCDEHC data analysis and assessment methodology used to make attainment decisions about State waters. These decisions are included in the Integrated Report, which is submitted to EPA on even numbered years for review and approval. The most recent is published in the current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters* which can be found on the SCDHEC website at http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/.

2.4.3.7 Reporting

Chlorophyll-α and cyanotoxin assessment conclusions are forwarded to the Aquatic Science Programs for consideration in the preparation of the biennial Integrated Report, which addresses Clean Water Act §303(d), §305(b), and §314 reporting requirements. These reports are available on the SCDHEC website.

2.5 Shellfish Growing Area Water Quality Monitoring

2.5.1 Monitoring Objectives

South Carolina's Shellfish Sanitation Program monitors approximately 580,176 acres of surface water with assigned classifications designated for the harvest of Molluscan shellfish. These coastal waters are divided into 25 shellfish management areas with a total of 468 active

monitoring stations. The objectives of the shellfish-monitoring network are to provide data that accurately reflect sanitary and environmental conditions of coastal shellfish and shellfish growing waters in South Carolina in order to:

- Ensure that the health of shellfish consumers is protected;
- Protect and maintain existing shellfish growing area water use; and
- Identify impaired waters suitable for restoration to appropriate use standards.

2.5.2 Monitoring Design

The shellfish-monitoring program provides the database that is used in conducting a comprehensive evaluation of each shellfish growing area. Evaluations of growing areas, which meet NSSP requirements for Triennial Reviews, are conducted annually. Routine bacteriological monitoring and subsequent laboratory analyses of water quality from strategically located sample sites are conducted monthly. Monitoring is based on a systematic random sampling methodology in which coastal shellfish growing area surface waters are sampled in accordance with a pre-established schedule, thereby assuring that a statistically representative cross-section of meteorological, hydrographic, and/or pollution events will be included in the data set. Monitoring sites are established at locations representative of variable water quality within non-Prohibited classified shellfish areas. Locations are sited with the intent of determining compliance with existing State shellfish regulation water quality standards. Individual monitoring sites are typically representative of a water reach extending in the directions of tidal flow to the closest adjacent monitoring sites. Resulting laboratory analyses detail physical and bacteriological data that are used to classify shellfish growing waters. All standards, monitoring methodology, and laboratory analyses comply with guidance set forth in the National Shellfish Sanitation Program Model Ordinance. Areas closed to the harvesting of shellfish are posted with signs indicting the potential for serious illness from consuming shellfish harvested within these areas and outlining penalties for harvest violations.

The monitoring network also serves to update sanitary-related data from each shellfish area to ensure that conditions that existed during the prior review period still prevail; that the harvest classification is correct; and, ultimately that shellfish are harvested only from growing areas that meet or exceed established standards for shellfish growing waters.

Complete descriptions of station locations are included in Appendix H.

2.5.3 Core and Supplemental Water Quality Indicators

Fecal coliform, used as a human pathogen indicator organism, is the bacteriological parameter used to decide between the Approved and Restricted classifications (Table 7). Additional monitoring parameters (Salinity, Tide Stage, Wind Direction, etc.) are frequently used in conjunction with the fecal coliform standard and observed meteorological and/or hydrographic conditions in determining the appropriateness of implementing the Conditionally Approved classification.

Table 7. Fixed-Station Shellfish Monitoring Program Physical and Bacteriological Parameter Coverage and Sampling Frequency

Parameter Group	Parameter	Water	Shellstock
Physical	Tidal Stage	*	NA
	Water Temperature	*	NA
	Air Temperature	*	NA
	Wind Direction	*	NA
	Salinity	*	NA
Bacteriological	Fecal Coliform	*	**
	Total Plate Count	NA	**
	E.Coli	**	**
	Sample Temperature	*	**
	Sample Type	NA	**
	Species	NA	**

* Sampled monthly (minimum frequency)
** Sampled as appropriate

2.5.4 Quality Assurance

Shellfish Sanitation Program monitoring complies with most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, Section 8.10, and all laboratory analyses are conducted by ARESD according to the most current revision of SCDHEC's *Laboratory Procedures Manual for Environmental Microbiology*.

2.5.5 Data Management

Shellfish data are stored in WQX. Individual data collected subsequent to the mid-1990s are available through FOI request in an electronic format. All monitoring sites are represented in a digital coverage located on the Department's GIS server.

2.5.6 Data Analysis/Assessment

S.C Regulation 61-47, Shellfish, has established a fecal coliform standard (geometric mean not to exceed 14 fc mpn/100ml and the estimated 90th percentile value not to exceed 43 mpn/100ml) for waters classified as Approved. Sites are monitored on a monthly basis, with monitoring scheduled in advance so as to be random with respect to tide and weather conditions. Data collected over a consecutive, thirty-six-month period is used in determining compliance. A minimum of thirty samples is required to be collected from each monitoring site for classification. This standard and methodology fully complies with National Shellfish Sanitation Program Model Ordinance guidance criteria. All shellfish waters receive one of the following harvest classifications.

2.5.7. Classifications

Waters meeting the standard are typically classified as Approved and waters exceeding the standard are classified as Restricted. Approved waters approaching the standard's limit (14/43) or Restricted waters slightly exceeding the standard are candidates for management under the Conditionally Approved classification. Use of this classification requires that pollution events be predictable and manageable. Management of Conditionally Approved areas is manpower

intensive and, although its use is encouraged; field managers are allowed some discretion in its implementation.

Approved: Growing areas shall be classified Approved when the sanitary survey concludes that fecal material, pathogenic microorganisms, and poisonous or deleterious substances are not present in concentrations which would render shellfish unsafe for human consumption. Approved area classification shall be determined upon a sanitary survey, which includes water samples collected from stations in the designated area adjacent to actual or potential sources of pollution. For waters sampled under adverse pollution conditions, the median fecal coliform Most Probable Number (MPN) or the geometric mean MPN shall not exceed fourteen per one hundred milliliters, and not more than ten percent of the samples shall exceed a fecal coliform MPN of forty-three per one hundred milliliters (per five tube decimal dilution). For waters sampled under a systematic random sampling plan, the geometric mean fecal coliform Most Probable Number (MPN) shall not exceed fourteen per one hundred milliliters, and the estimated ninetieth percentile shall not exceed an MPN of forty-three (per five tube decimal dilution). Computation of the estimated ninetieth percentile shall be obtained using NSSP guidelines.

Conditionally Approved: Growing areas may be classified Conditionally Approved when they are subject to temporary conditions of actual or potential pollution. When such events are predictable as in the malfunction of wastewater treatment facilities, nonpoint source pollution from rainfall runoff, discharge of a major river, potential discharges from dock or harbor facilities that may affect water quality, a management plan describing conditions under which harvesting will be allowed shall be adopted by the Department, prior to classifying an area as Conditionally Approved. Where appropriate, the management plan for each Conditionally Approved area shall include performance standards for sources of controllable pollution, e.g., wastewater treatment and collection systems, evaluation of each source of pollution, and means of rapidly closing and subsequent reopening areas to shellfish harvesting. Memorandums of agreements shall be a part of these management plans where appropriate.

Shellfish shall not be directly marketed from a Conditionally Approved area until conditions for an Approved classification have been met for a time that should ensure the shellfish are safe for consumption. Shellstock from Conditionally Approved areas that have been subjected to temporary conditions of actual or potential pollution may be relayed to Approved areas for purification or depurated through controlled purification operations only by special permit issued by the Department.

Restricted: Growing areas shall be classified Restricted when sanitary survey data show a limited degree of pollution or the presence of deleterious or poisonous substances to a degree which may cause the water quality to fluctuate unpredictably or at such a frequency that a Conditionally Approved area classification is not feasible. Shellfish may be harvested from areas classified as Restricted only for the purposes of relaying or depuration and only by special permit issued by the Department and under Department supervision.

The suitability of Restricted areas for harvesting of shellstock for Relay or Depuration purposes may be determined through the use of comparison studies of background tissue samples with post-process tissue samples, as well as other process verification techniques deemed appropriate

by the Department.

For Restricted areas to be utilized as a source of shellstock for depuration, or as source water for depuration, the fecal coliform geometric mean MPN of restricted waters sampled under adverse pollution conditions shall not exceed eighty-eight per one hundred milliliters and not more than ten percent of the samples shall exceed a MPN of two hundred and sixty per one hundred milliliters for a five-tube decimal dilution test. For waters sampled under a systematic random sampling plan, the fecal coliform geometric mean MPN shall not exceed eighty-eight per one hundred milliliters and the estimated ninetieth percentile shall not exceed an MPN of two hundred and sixty (five tube decimal dilution). Computation of the estimated ninetieth percentile shall be obtained using the formula outlined in the NSSP manual.

Conditionally Restricted: Growing areas may be classified Conditionally Restricted when they are subject to temporary conditions of actual or potential pollution. When such events are predictable, as in the malfunction of wastewater treatment facilities, nonpoint source pollution from rainfall runoff, discharge of a major river or potential discharges from dock or harbor facilities that may affect water quality, a management plan describing conditions under which harvesting will be allowed shall be prepared by the Department prior to classifying an area as Conditionally Restricted. Where appropriate, the management plan for each Conditionally Restricted area shall include performance standards for sources of controllable pollution, e.g., wastewater treatment and collection systems and an evaluation of each source of pollution, and description of the means of rapidly closing and subsequent reopening areas to shellfish harvesting. Memorandums of agreements shall be a part of these management plans where appropriate.

Shellfish may be harvested from areas classified as Conditionally Restricted only for the purposes of relaying or depuration and only by permit issued by the Department and under Department supervision.

For Conditionally Restricted areas to be utilized as a source of shellstock for depuration, the fecal coliform geometric mean MPN of Conditionally Restricted waters sampled under adverse pollution conditions shall not exceed eighty-eight per one hundred milliliters and not more than ten percent of the samples shall exceed a MPN of two hundred and sixty per one hundred milliliters for a five-tube decimal dilution test. For waters sampled under a systematic random sampling plan, the fecal coliform geometric mean MPN shall not exceed eighty-eight per one hundred milliliters and the estimated ninetieth percentile shall not exceed an MPN of two hundred and sixty (five tube decimal dilution). Computation of the estimated ninetieth percentile shall be obtained using NSSP guidelines.

Prohibited: Growing areas shall be classified Prohibited if there is no current sanitary survey or if the sanitary survey or monitoring data show unsafe levels of fecal material, pathogenic microorganisms, or poisonous or deleterious substances in the growing area or indicate that such substances could potentially reach quantities which could render shellfish unfit or unsafe for human consumption. Waters classified as Prohibited are administrative closures.

Harvesting of shellfish for human consumption from Prohibited areas shall not be allowed by the

Department. Shellfish may be depleted for nonfood use from Prohibited areas upon approval of the Department and under specified conditions.

Growing waters adjacent to sewage treatment plant outfalls and other waste discharges shall be classified Prohibited. A variety of assumptions and criteria will be considered in determining the area that could be potentially impacted.

Growing waters within marinas shall be classified as Prohibited. Classification of waters adjacent to marinas will be determined using a dilution analysis that incorporates various assumptions.

2.5.8 Reporting

The Shellfish Sanitation Program produces annual reports for each of the twenty-five shellfish management areas. These reports are routinely distributed to the United States Food and Drug Administration, the South Carolina Department of Natural Resources, the Department's Office of Coastal Resource Management, and the Department's Bureau of Water – Division of Water Quality. All reports are updated annually and are available for viewing on the Department's Shellfish Sanitation Program webpage located at https://scdhec.gov/monitoring-station-reports.

2.6 Groundwater Monitoring

Ambient groundwater monitoring is currently suspended. This section is reserved for future use as needed.

2.7 Quality Assurance/Quality Control Procedures

SCDHEC's Quality System is the means by which the Department implements the quality management process. The Quality System encompasses a variety of technical and administrative elements, which are outlined in the *SCDHEC Quality Management Plan*. This plan describes how programs within Environmental Affairs (EA) will plan, implement, and assess the quality of environmental work to be performed as part of the various programs' functions within the Agency.

The Director of Environmental Affairs has the overall responsibility for the development, implementation, and continued operation of EA's Quality Assurance (QA) Program. To ensure that EA's QA Program is uniformly applied to the generating and processing of all environmental data, a Quality Assurance Manager (QAM) has been appointed.

The QAM is responsible for the Quality Assurance Program. Environmentally related measurement activities conducted by or for EA shall be done only with the approval of the QAM and/or QAM designee after ensuring that adequate quality assurance guidelines and procedures have been incorporated. This includes study planning, sample collection, preservation and analysis, data handling, and use of physical, chemical, biological, and other data related to the effects, sources, transport and control of pollution, as well as personnel review and training.

2.7.1 Quality Assurance Project Plans and Standard Operating Procedures

Two basic tools for QA management are QA Project Plans (QAPPs) and Standard Operating Procedures (SOPs). Routine monitoring activities are implemented under this monitoring strategy (programmatic QAPP) and associated SOPs. Special studies require a written QAPP specific to that study. Special studies involving an immediate public health threat or a criminal investigation may not have an approved QAPP due to the limited time frame for obtaining samples. These studies will be handled like routine work requiring adherence to applicable SOPs. To accomplish the above, each environmental monitoring organization shall develop and implement SOPs, approved by the QAM and/or designee, for all monitoring activities.

2.7.2 Sampling Methods

EA's sampling manuals are entitled the *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, *BEHSPROC 200 - Ambient Surface Water Sampling*, *BEHSPROC 201- Field Temperature Measurement in Surface Water*, *BEHSPROC 202 - Field Dissolved Oxygen Measurement in Surface Water*, *BEHSPROC 203 - Field pH Measurement in Surface Water*, *BEHSPROC 204 - Field Specific Conductance Measurement in Surface Water*, and *BEHSPROC 205 - Multi-Parameter Field Measurements in Surface Water*. These documents are reviewed periodically and updated as needed. However, staff can choose to update more frequently if changes in regulation or methodology require it. The manuals describe the field sampling procedures by matrix, field instrument calibration and verification standards, sample chain of custody documentation, sample preservation, holding times and recommended sample containers specifications, data sheet examples, and data submission requirements. These manuals are mainly internal documents and are not readily accessible outside of the Department. Upon request, specific sections of the Environmental Investigations Standard Operating Procedures and Quality Assurance Manual or documents may be released to external parties with the approval of the EA QAM. The BEHS procedures may be released with the approval of the EA Laboratory Assistant Bureau Chief.

2.7.3 Training

An intranet training program has been established to ensure staff have access to the most recent revision of the field SOPs and have acknowledged they are familiar with the SOP content for specific assigned duties. Each program area will ensure that all personnel performing tasks and functions related to data quality will have the needed education, training, and experience. Training is tracked through the MySCLearning system. A review of basic training requirements for field staff is found in Section 4 of the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, *BEHSPROC 200 - Ambient Surface Water Sampling*, *BEHSPROC 201- Field Temperature Measurement in Surface Water*, *BEHSPROC 202 - Field Dissolved Oxygen Measurement in Surface Water*, *BEHSPROC 203 - Field pH Measurement in Surface Water*, *BEHSPROC 204 - Field Specific Conductance Measurement in Surface Water*, and *BEHSPROC 205 - Multi-Parameter Field Measurements in Surface Water*.

The training of laboratory personnel is discussed in the most current revision of SCDHEC's

Procedures and Quality Control Manual for Chemistry Laboratories, Volume 1, SOP III, *Personnel Training and Laboratory Procedures Manual for Environmental Microbiology*, SOP III, Staff Training. These SOPs incorporate forms for acknowledgement that the analyst has read the method, as well as tracking forms for other various types of training. This information is kept on file at the ARESD or appropriate Regional Laboratory. Each analyst is required to show proficiency in the analysis prior to analyzing samples. Training and documentation of proficiency are kept on file in the appropriate laboratory.

2.7.4 DHEC QA Policy

EA requires that necessary QA activities be conducted within the State of South Carolina to demonstrate that all environmental data generated, processed, or used is be scientifically valid, technically defensible, and of known and acceptable precision and accuracy. It is also critical that all reported data include documented precision and accuracy and be complete, representative, and comparable. The quality of all data generated shall meet or exceed all EA, EPA and FDA program requirements.

2.7.5 Documents and Records

The following list of documents and records are maintained and stored per Monitoring Strategy requirements.

- Bound Field Logbooks/Workbooks

In these logbooks are recorded all of the routine daily meter calibration results, remarks and notes relating to all activities, and values for all field measured parameters as well as time, date, station location, and collector identification information associated with all sampling activities. This logbook format provides a legally admissible document for any court supervised compliance/enforcement proceedings.

- Chain of Custody Information
- Sample Request Sheets/Data
- EPA WQX Data
- Special Study QAPPs/Data
- Analytical Workbooks/Sample Results
- Technical Reports
- QA Assessment Reports (Lab and Field)

2.7.6 Quality Assurance Assessment

Audits are the principal means in this Agency's QA Program to determine compliance with established QA protocols and guidelines. A complete discussion of these audits can be found in Section 3 of the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*. The following audits are conducted by the QAM and/or designee:

- Performance Audits
- Data Quality Audits
- System Audits

In addition, the Office of Environmental Laboratory Certification performs a certification audit on EA regional laboratories (both field and stationary laboratories) at least every 3 years under both the CWA and SDWA.

2.7.6.1 Water Quality Monitoring Program Assessment

To accomplish the QA objectives cited above, the Aquatic Science Programs and Water Pollution Compliance Section have developed and instituted QAM- approved field study procedures and documentation, data review, and routine EPA operating overview. Some specifics of these Sections' QA/QC activities include:

- Submission of all Quality Assurance Project Plans (QAPPs) to the QAM and/or designee for review and approval prior to implementation. Submission of work plans as requested by the QAM. The project manager can also request reviews of work plans to ensure QA/QC requirements are addressed.

- Regular reviews and updates of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* and *Procedures Manual for Stream and Wastewater Facility Flow Measurement*.

- At least once yearly all water quality monitoring personnel are accompanied on sample collection activities by the Aquatic Science Programs' quality assurance officer for evaluation of adherence to the applicable SOP/s for QA/QC.

- Water Pollution Compliance Section program staff routinely accompany facility compliance monitoring personnel to ensure adherence to applicable SOP/s during sample collection activities for QA/QC.

- All SC DHEC EA laboratories in the State are expected to participate in Proficiency Testing annually as a requirement for their Certification.

- Field staff are required to participate in the analysis of blind QC samples or PT samples if they perform field analysis for residual chlorine, conductivity, or pH.

- Approximately every three years, EPA Region 4 Office conducts an on-site routine audit of the ARESD, the Central Laboratory in Columbia, and also reviews the Laboratory SOPs. EPA also conducts an on-site audit of all regional laboratories certified for drinking water microbiological parameters each cycle. Approximately every three years the Office of Environmental Laboratory Certification performs an on-site audit that covers both drinking water and wastewater.

- Internal assessments are also performed on the Central and regional laboratories. These are conducted by the Quality Assurance Assistants for the EA Central laboratory; but these are not certifying audits. They are designed as an internal look at lab procedures and processes. EPA Region 4 is the certifying authority over the ARESD Laboratories.

2.7.7 Corrective Actions/Quality Improvement

Identifying quality problems and improving performance are key components in our quality improvement efforts. The EA Laboratory Assistant Bureau Chief (ABC) is responsible for responding to and resolving all quality assurance problems and needs for the central office laboratory. Additionally, the EA Laboratory ABC provides support to the regional laboratories specifically related to the laboratory testing performed. All quality issues for the central office laboratory which require responding to or resolving will be addressed by the ABC. Staff are expected to initiate corrective actions immediately to resolve QA issues and concerns, to document corrective action and the results of the corrective action. Regional laboratories and laboratories external to the agency that fail Proficiency Studies must submit a letter to the Office of Environmental Laboratory Certification explaining the reason for the failure and the correction action taken. Central/Regional Office Monitoring Program Managers and Laboratory Managers are responsible for making sure corrective actions have been implemented, were effective, and reported to the appropriate Program manager, Project manager, Quality Assurance Assistants (QAAs), and/or the ABC.

2.8 Laboratory Support

The ARESD in the BEHS provides laboratory services to the Bureaus of Water, Land and Waste Management, and the Milk and Dairy Program. The analytical services offered include bacteriological, chemical, and physical analyses. The types of samples analyzed include water, wastewater, leachate, soil, sediment, chemical waste, fish, shellfish, vegetation, and milk/dairy products.

The BEHS organizational structure encompasses the Central Laboratory (ARESD), seven regional laboratories (each of these regional labs also has a field lab), and five additional field labs. ARESD, also known as the Central Laboratory includes the following laboratories: Microbiology and Milk/Dairy, Inorganic Chemistry, Organic Chemistry, Radiochemistry and the Sample and Data Management Section. The EA Laboratory also has an air toxics laboratory under the Division of Air Quality Analysis (DAQA) which performs ambient air monitoring and includes a field element which is the larger focus of the ambient air monitoring network. These are located in the Hayne Building in Columbia. The seven regional laboratories are located in Aiken, Beaufort, North Charleston, Florence, Greenville, Lancaster, and Myrtle Beach. Other field labs which only collect samples and perform field analyses (pH, conductivity, temperature, residual chlorine, and dissolved oxygen) are located in Anderson, Greenwood, Spartanburg, Columbia, Orangeburg, and Sumter. The Columbia facility is separate from ARESD but collects samples for this lab. ARESD, in turn, performs similar functions as the other regional laboratories for the Columbia facility.

The field laboratories initiate all stream and wastewater analysis. The Central Laboratory

provides support analyses, i.e., metals, nutrient, extraction procedures, and organic analyses. The Beaufort and Myrtle Beach regional laboratories analyze microbiological samples only. Drinking water chemical analysis is essentially a Central Laboratory program with support from the regional labs. All regional laboratories perform microbiological analyses for the Drinking Water Program.

2.8.2 ARESD Quality Assurance Program

The ABC of the BEHS Laboratories, along with the Division Director of ARESD, and the QAAs coordinate the internal ARESD quality assurance program. The laboratory quality assurance program encompasses every aspect of the laboratory analysis from container preparation through the actual data release from ARESD to the Environmental Affairs' Programs.

2.8.2.1

ARESD has four quality control manuals which detail the day-to-day operation of the quality assurance program: (1) *Procedures and Quality Control Manual for Chemistry Laboratories*, (2) *Laboratory Procedures Manual for Environmental Microbiology*, (3*) Procedures and Quality Control Manual for the Radiochemistry Laboratory*, and (4) *Standard Operating Procedures for Milk and Dairy*. The elements addressed in the manuals include organization, sample chain of custody, personnel training, quality control of laboratory services, scope and application, equipment and supplies, reagents, standards, methodology, preservation and storage, calibration, performance criteria and quality assurance, and waste management.

2.8.2.2

The overall laboratory quality assurance program contains many elements, some of which have been previously discussed. The frequency for analysis of replicates and spike recovery samples is noted in the manuals and is in compliance with U.S. EPA guidelines. Acceptance criteria for each QC check is detailed in each procedure of the SOP Manual. The Environmental Microbiology Laboratories perform replicate analyses, positive test controls, media control tests, equipment control tests, etc., as required by EPA Laboratory Certification and Evaluation guidelines. In addition, ARESD and the regional laboratories participate in annual Water Supply and Water Pollution Proficiency Testing Programs. All regional personnel who collect samples that require field testing participate in either the yearly Water Supply or Water Pollution Proficiency Testing Program, whichever is appropriate. Occasionally, field or other non-laboratory staff may assist the Microbiologist in setting up samples or reading them. Anyone participating in this way must demonstrate proficiency in any activity they will perform. Their proficiency is assessed through use of a blind sample obtained from either a QC Sample Vendor or made in-house. This proficiency is documented and kept in the Regional Office.

2.8.2.3

The laboratory analyses for water quality monitoring are conducted according to 40 CFR Parts 141, 136, and 143. The ARESD quality control manuals include a section on methodology designed to reduce variations in applied techniques among the State laboratories where methods

permit analyst interpretation, and thus provide a more uniform approach which will increase the reproducibility of results reported from the laboratory system. Analytical SOPs are identified by number and date of revision. Each SOP includes the approved method reference. SOPs are reviewed annually.

SOPs include instrument calibration and maintenance procedures as well as corrective actions for any deficiencies or problems encountered.

2.8.3 Sample Containers and Preservation

2.8.3.1

Control of the quality of laboratory analyses begins with the sample collection. The validity of analytical results obtained depends upon a representative sample of the source from which it was collected. The concentration of each constituent in a sample at the time of collection must be maintained until all analyses have been completed. Constituent concentrations may be altered after collection through contamination of the container, reactions between sample components and the container walls, and through naturally occurring reactions within the sample itself. This section contains the methodology employed by the laboratories to control those factors which can affect sample validity. The field sample collection procedures, standard operating procedures, and QC procedures are documented in the most current revision of SCDHEC's *BEHSPROC 108– Sample Containers, Preservation, and Maximum Holding Times for Chemistry and Microbiological Analyses*.

2.8.3.2

The proper containers must be selected for sampling as well as the proper preservation and an adequate volume collected. Sample chain of custody procedures must be adhered to in order to ensure that sample integrity is maintained. An accurate record is needed to trace the possession of each sample from the time of collection to analysis. The reader should refer to the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, Section 19 and Appendix A for details.

Glass, polyethylene, and polypropylene bottles are used as sample containers. The sample container is cleaned and labeled for the parameter for which it is used. The containers used for the various parameters have been chosen for their chemical resistance to the chemical parameter of interest and the required preservatives. Random substitution of containers may not be made.

Special cleaning procedures are employed for the various containers. Each parameter or parameter group involves different interfering compounds and contaminants which must be removed from the container walls. The laboratories maintain a supply of the required containers. Clean containers for organic and inorganic parameters are shipped to the field laboratories by the Data Management Section in Columbia. Containers required for parameters analyzed by the field laboratories are maintained by those laboratories and cleaned according to special procedures.

2.8.3.3

All ambient water and wastewater samples are preserved at the site immediately after collection or collected in pre-preserved containers. Some drinking water samples are preserved at the site, collected in pre-preserved containers or may be preserved after they have been brought back to the office or the lab in accordance with requirements established by the EPA.

The field laboratories are responsible for requesting the preservatives in order to maintain an ample quantity; and the central and regional laboratories provide the supplies upon request. Each dispenser is labeled in bold letters to assist the collector to choose the proper preservative for the container; i.e., METALS, MERCURY, NUTRIENTS, TOC, etc. Because the concentration levels cannot be maintained at the level collected indefinitely, maximum holding times have been set for each parameter. Analyses must be completed during the time limits set for valid results. Required containers, preservatives, and holding times for each parameter and procedures used for preserving samples are listed in the most current revisions of manuals listed in Section 2.8.2.1, *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* (Appendix A), and *BEHSPROC 108 – Sample Containers, Preservation, and Maximum Holding Times for Chemistry and Microbiological Analyses*.

The South Carolina Environmental Laboratory Certification Program is authorized by Regulation 61-81 which became effective on January 1, 1981. The Regulation applies to all laboratories which generate data for compliance with state environmental regulations or that is performing any other analyses related to environmental quality evaluations required by the Department or which will be officially submitted to the Department.

On-site evaluations of in-state certified laboratories are conducted at least every three years and are scheduled approximately three months prior to the date of expiration documented on the laboratory's certification certificate. The Certification Program currently offers certification for laboratories performing analyses of drinking water, wastewater and solid and/or hazardous wastes.

2.9 Data Review, Verification, and Validation

The following protocols are followed for review and verification of data use in the Ambient Water Quality Monitoring Program. Data validation and decisions regarding anomalous data are made independently for different activity's data applications.

- The analyst reviews data and QC for accuracy and completeness. Data are submitted to the Lab Manager or senior level personnel for review and data verification.

- The laboratory manager reviews all sample request sheets originating in the region for correct information and sends to the Analytical and Radiological Environmental Services Division.

- The analyst, manager, Data Management staff, or designated individual enters data into LIMS. Senior level personnel or the Data Management staff verify the transcribed data

for accuracy. The Lab Director or designee releases the verified data from the laboratory and sends to the appropriate program area.

- When a particular sample fails any portion of the laboratory QC procedures, the data is notated in the LIMS according to Section IV-G of the most current revision of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories* and Section IV-E of the *Laboratory Procedures Manual for Environmental Microbiology*. Samples exceeding holding times or those improperly collected will be rejected and the program area will be notified. Samples not meeting method quality control criteria is not reportable. The program is informed of the analytical error and the error is documented within LIMS as such. In the event the program requests samples to be analyzed for information only, a formal request must be made to the laboratory director in writing. This process is defined in Section II of the most current revision of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories*.

- Upon analysis completion and verification, the data is validated. After validation, data are released by the laboratory and sent to the specific program areas responsible for the original samples for final QA review.

- An internal assessment is performed for all laboratory areas which traces the data from the collection activities, through the analytical methodology, and to the final report.

2.9.1 Reconciliation with Program Specific Data Quality Objectives

The Bureau of Water's Division of Water Quality Management, Assessment and Protection is responsible for final review and reporting of all monitoring results to EPA and other end users.

For continuous monitoring data, all raw data are maintained separately from any post-processing data correction/adjustment files created. Once data adjustments are applied, then each recorded data point is compared to the original, unadjusted record. It is assigned an accuracy rating according to the table in Section 15.3 of *Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water*. If any part of a continuous data segment exceeds the Rejection criteria it is eliminated from further analysis, subject to project data quality objectives, but will be used for informational purposes.

Any limitations of data use will be conveyed in reports sent.

3.0 SPECIAL MONITORING AND COMPLIANCE MONITORING

3.1 Intensive Surveys and Special Water Quality Studies

Special studies provide immediate and in-depth investigations targeting specific environmental problems or involve practical research that leads to a better understanding of the water quality of the State of South Carolina. The data collected are summarized and reported at the conclusion of each study.

Special water quality studies are conducted as needed to determine cause and effect relationships in waterbodies where trend monitoring indicates a deterioration in environmental quality. They provide legally defensible data on damage in situations where compliance monitoring indicates violation of permits and/or water quality standards. Special water quality assessments most often target waterbodies listed on the §303(d) list of impaired waters not meeting designated uses or are requested for waterbodies having high or potentially high public water use values.

There is usually a specific need or problem identified in the initial study request, such as the pollutant or biological condition resulting in a §303(d) listing. When selecting indicators for a special study, conditions that may cause or contribute to nonattainment of applicable WQS are considered. It is important to consider the potential cumulative impacts to a waterbody resulting from multiple sources of pollutants. For example, are there sources in the watershed that separately or collectively contribute pollutants in amounts or combinations that could cause an exceedance of a water quality criterion, create toxic conditions, or accumulate in fish tissue? Principal considerations include point sources, nonpoint sources, geology/hydrology, land-use patterns (both current and historic) and suspected pervasive pollutants that may be transported by atmospheric processes.

Point sources in the watershed may contribute pollutants that cause or contribute to nonattainment of WQS. Information about the type of facility and nature of discharges can help identify potential pollutants. Point sources may have existed historically but may no longer be active. Legacy contaminants from these sources may still be present within bed sediments in the waterbody or in soils at the site. A review of current and past permittee's NPDES permit limits and compliance history information may be included in the study design process.

Nonpoint sources generally are related to land-use practices. Land use (e.g., rural, agricultural, urban, industrial) often dictates what indicators may be most suitable for water quality monitoring. To the extent possible, current and historic land-use practices in the watershed are identified. Past land-use practices may be very different from current practices, and residual pollutants may be present in the bed sediments in the water or in soils at the site. Disturbances from land-use practices or changes in land-use may aggravate already marginal natural water quality conditions. Available information about local agriculture, pesticide usage, urban/impervious surfaces, land management practices (e.g., forestry, mining), and best management practices (BMPs) that would mitigate pollutant impacts are considered.

Geologic and hydrologic processes within and upstream from a waterbody generally establish background water quality conditions within the watershed. In some cases, weathering and transport processes for certain geologic areas may result in increased concentrations of metals, particularly arsenic, cadmium, mercury, and selenium. Increased concentrations may be found both in the water column and in underlying sediments.

An investigation of specific environmental problems may originate as an official request from staff from various sections of EA, to support decision making on a variety of issues. Studies may also be initiated in response to requests by private citizens or special interest groups. Once an official request to carry out a specific task has been received, Aquatic Science Programs staff designs, receives approval from the Quality Assurance Manager (QAM), and implements the

study. The results of such studies are reported primarily to the originator of the study request.

In conducting practical research, the Aquatic Science Programs (ASP) generally relies on its own staff, as well as the scientific staff of other sections of EA. The ASP staff designs and implements, or coordinates such studies, if other groups are involved, and reports all findings to all interested parties.

Study plans for any special studies are submitted to the QAM for approval prior to sampling. All sampling and field analyses are performed according to the most current revisions of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* and *Procedures Manual for Stream and Wastewater Facility Flow Measurement*. All laboratory analyses are performed according to the most recent revisions of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*.

Nonpoint source (NPS) monitoring includes both biological investigations and water quality assessments. Data collected is used for various purposes including identifying waters not fully meeting designated uses due to NPS pollution, addressing waters currently listed on the §303(d) list, assisting in enforcement investigations, and assessing the effectiveness of BMPs in agricultural, silvicultural and residential areas.

Water quality, biological, and habitat assessments are conducted as needed in response to complaints from the public and subsequent requests from central and regional EA personnel. Results help determine the need for enforcement action.

Biological investigations typically focus on waterbodies included on the §303(d) list due to a demonstrated impairment to the biological community or excursions relative to metals, pH or dissolved oxygen (DO) levels. Sites are re-assessed for impairment and possible causes may be explored. To maximize effectiveness, these investigations are timed to complement the macroinvertebrate trend-monitoring effort.

Sites listed for impairment due to elevated *Escherichia coli* (*E. coli*) bacteria levels are also targeted for special sampling. The accompanying effort to identify potential sources typically involves intensive sampling combined with consideration of relevant point sources, nonpoint sources, adjacent land use, and shoreline reconnaissance.

3.1.1 Documenting Water Quality Improvement Efforts

Section 319 of the Clean Water Act deals with the control and reduction of nonpoint source pollutants and includes the award of annual grants to states from EPA. These grant funds are primarily used to implement watershed-based plans for impaired waters. SCDHEC passes a portion of its annual 319 grant to outside groups through a competitive process to carry out the implementation of these plans. Implementation includes the installation of an array of structural and non-structural BMPs designed to reduce or remove nonpoint source contributions within a watershed. The ultimate goal is to remove the impairment for the specific pollutant for which the plan was developed. Monitoring is a crucial component of determining the initial impairment as

well as documenting potential water quality improvements resulting from such an implementation effort.

NPS monitoring includes both biological investigations and water quality assessments. Data collected is used for various purposes including identifying waters not fully meeting designated uses due to NPS pollution, addressing waters currently listed on the §303(d) list, assisting in enforcement investigations, and assessing the effectiveness of BMPs in agricultural, silvicultural, and residential areas.

Because watershed-based plans are developed based on SCDHEC water quality monitoring sites, project success must also be based on data collected from those sites. SCDHEC uses 319 funds to pay for the staff and analysis costs related to this monitoring effort. Often there are sites of interest within the project areas that are not active throughout the duration of the project period as part of the Ambient Surface Water Physical & Chemical Monitoring Network. In these instances, staff in ASP Section are responsible for data collection at these sites. SCDHEC has committed to EPA that all 319-funded implementation projects will be monitored at the associated water quality monitoring site(s) for the life of the project, plus a minimum of two additional years. The data collected are also used to develop project success stories at the request of EPA. For 2022, the sites being collected can be found in Appendix J.

At a federal level, EPA and the US Department of Agricultural Natural Resources Conservation Service (NRCS) have partnered together to direct funding in specific watersheds to improve water quality. The funds are a specific set-aside to the NRCS Environmental Quality Improvement Program (EQIP) and are known as the National Water Quality Initiative, or NWQI. Working together, state NPS and state NRCS programs selected specific watersheds where extensive EQIP funds for agricultural BMPs would be directed. These watersheds currently being monitored are Big Creek – Little Saluda River, Smith Swamp, Upper Little Saluda River, and Upper Caw Caw Swamp. State NPS programs are required to commit to monitor at least one watershed to help determine the effectiveness of this program, similar to monitoring associated with 319 implementation efforts discussed above. SCDHEC has elected to monitor all watersheds; monthly monitoring will occur at each station (listed in Appendix J) for an array of water quality parameters.

Study plans for these specific monitoring responsibilities are submitted to the QAM annually for approval prior to sampling. All sampling and field analyses are performed according to the most current revision of SCDHEC's *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* and *Procedures Manual for Stream and Wastewater Facility Flow Measurement*. All laboratory analyses are performed according to the most recent revisions of SCDHEC's *Procedures and Quality Control Manual for Chemistry Laboratories* and *Laboratory Procedures Manual for Environmental Microbiology*.

3.2 Wetlands Monitoring

SCDHEC has not traditionally conducted ambient monitoring in wetlands, nor do we maintain a network of wetlands sites that are routinely visited and sampled for traditional water quality parameters such as dissolved oxygen, bacteria, nutrients, metals, and organics. However, we

have conducted limited monitoring of wetlands and have required limited compliance monitoring by permittees.

3.2.1 Compliance Monitoring

When SCDHEC issues a Water Quality Certification for unavoidable impacts to wetlands, the Certification will often have a requirement for compensatory mitigation provided through a mitigation bank or a permittee responsible mitigation site. Both types of sites generally have monitoring requirements to demonstrate success. Typical monitoring consists of requiring each compensation site to be evaluated on a site-specific basis and, if needed, hydrological and vegetative monitoring is required to show the creation, restoration, or enhancement of an area's hydrology or vegetation. Additionally, certain 401 Water Quality Certifications require wetlands compliance monitoring to ensure that the predicted impacts are within expected ranges.

Further, SCDHEC has issued NPDES permits to several wastewater treatment plants where wetlands are the final receiving water. In order to determine if there are detrimental effects of the wastewater on the wetlands, SCDHEC imposes monitoring of the wetland through special conditions of the NPDES permit. Typically, this monitoring consists of ground and surface water quality, vegetation, and hydrological parameters, which are measured bi-annually and reported in an annual report, based on site-specific considerations.

3.2.2 Program Needs

If the State were to implement an ambient monitoring program for wetlands, it would be important to have wetlands water quality standards in place. Perhaps a more difficult obstacle is the resources required to maintain an ambient wetland monitoring program. For this to occur SCDHEC would need additional trained staff to conduct wetland monitoring and assess data.

3.3 Wastewater Discharge Compliance Monitoring

All wastewater dischargers to the surface waters of the State of South Carolina must obtain a National Pollutant Discharge Elimination System (NPDES) Permit. This applies to all public and privately-owned wastewater treatment facilities. The NPDES permit sets limits for physical and chemical characteristics of the facility effluent to protect the water quality of the receiving waterbody. A number of publicly owned treatment works (POTWs) have requirements in their NPDES permits to implement an approved pretreatment program to regulate industrial discharges as well.

The purpose of the facility monitoring program is to ensure that permitted effluent limitations are met and properly reported to the State, to ensure proper operation and maintenance of wastewater treatment facilities, and to ensure that the public's concerns and complaints concerning wastewater dischargers are answered effectively. This monitoring function encompasses the review of NPDES permit compliance schedules, review of NPDES self-monitoring data, inspection and evaluation of wastewater treatment facilities, collection and analysis of samples at wastewater treatment facilities, and investigation of complaints concerning wastewater treatment facilities or stream quality throughout the State.

The information gathered by the facility monitoring program is used by the State and the EPA to determine permit compliance and to support enforcement actions. Inspection results are also useful in grant reviews and permitting functions. Facility monitoring is often included in water quality assessments as well.

Certain inspections are used to improve permittee performance through improved data quality and the provision of technical assistance. The facility monitoring program also serves to maintain a regulatory presence in the State.

The following sections detail the various means at our disposal to accomplish these goals.

3.3.1 Compliance Schedule Tracking

Schedules of Compliance for permits and administrative orders are maintained in E-permitting as well as a data file designated as the Integrated Compliance Information System (ICIS.) ICIS was developed by EPA to track permit compliance and the State has assumed responsibility for maintaining and updating the ICIS database. Compliance staff in the Permit and Data Administration Section conduct a monthly review of permit compliance schedules via reports generated in both E-permitting and ICIS. Permit schedule due dates are satisfied in both E-permitting and ICIS and any noncompliance is addressed by both formal and informal enforcement actions.

3.3.2 NPDES Self-Monitoring

All NPDES permittees are required to collect and analyze samples of their own effluent at regular intervals for specific permit parameters. Self-monitoring data are transmitted to the Water Pollution Compliance and Enforcement Division by the permittee in the form of a Discharge Monitoring Report (DMR). The E-permitting database is utilized to track NPDES self-monitoring information. For NPDES self-monitoring this system is utilized to assure timely submission of DMRs by dischargers and recording of reported values by effluent parameter for each NPDES permit. DMR files are reviewed on a monthly basis to determine appropriate enforcement action required for failing to submit discharge monitoring reports and/or for significant effluent violations. In addition, permittees are required to report noncompliance covering significant permit violations as they occur. These noncompliance reports, submitted in advance of DMRs, provide DHEC the opportunity to determine if there may be effluent problems requiring immediate investigations. After being logged, reviewed, and entered into E-permitting and ICIS by the Permit and Data Administration Section, DMRs are sent to the NPDES file for the particular facility to provide a readily available source of effluent data.

3.3.3 Federal Compliance Evaluation Inspections - (CEI)

The Compliance Evaluation Inspection (CEI) is a non-sampling inspection designed to verify permittee compliance with applicable permit self-monitoring requirements and compliance schedules. This inspection is based on record reviews and visual observations and evaluations of the treatment facilities, effluents, receiving waters, etc. The CEI is used for both chemical and biological self-monitoring programs.

The Inspection

The inspection is comprised of an evaluation of the physical equipment, laboratory records, discharge monitoring reports, and the operational records of the facility. A narrative report is generated summarizing the findings in each of 9 major areas evaluated during the inspection. The 9 major areas evaluated are as follows:

a. Permit Verification: verification of name, address, discharge(s), receiving waters, etc., contained in the permit.

b. Records and Reports: determination of compliance with record keeping and reporting requirements stipulated in the permit.

c. Facility Site Review: examination of areas on the permittee's premises where pollutants are generated, pumped, conveyed, treated, stored or disposed.

d. Flow Measurement: installation, calibration and accuracy of flow measurement system are determined.

e. Compliance Schedules: where applicable.

f. Self-Monitoring Program: sampling frequency, type(s), parameters monitored, parameter limitations, sampling methodology are examined for compliance with permit.

g. Operation and Maintenance: a visual inspection of unit processes is conducted.

h. Sludge Disposal: the permittee's sludge management and disposal methods are evaluated.

i. Laboratory: a verification of lab certification for the parameters that are analyzed is conducted along with a verification and inspection of field meters.

Procedure

The accepted procedure for conducting the Compliance Evaluation Inspection is as follows:

1. The inspection is conducted unannounced or with limited notification. If contacted ahead of time the permittee is instructed to have available all pertinent records for review.

2. The evaluator completely fills out the appropriate checklists for each major section evaluated during the inspection.

3. After completion and review of the inspection report, the narrative report is forwarded to the Water Pollution Compliance Section for review, e-permitting and ICIS entry, and distribution.

Follow up

Follow up evaluations will be made on deficiencies noted in initial Compliance Evaluation Inspections. The follow up process is listed below:

1. A letter emphasizing the deficiencies noted will be sent along with the initial report to the owner. This letter will point out problems found during the inspection and request corrections or plans for corrections. This letter requires a response within fifteen (15) days. Responses are reviewed by Central Office and Regional staff.

2. Based on the review, the Region may be requested to initiate a follow up field inspection. The actual follow up evaluation can be comprised of a routine Facility Evaluation Inspection (FEI) with the emphasis placed on the status of necessary corrective actions to problems noted in the Compliance Evaluation Inspection report.

3. If corrective action on the initially noted deficiencies has not been taken, the Region should then follow established Enforcement Procedures.

3.3.4 Operation and Maintenance Inspections

These evaluations are designed to ensure that wastewater treatment facilities are being properly operated and maintained in accordance with State and Federal regulations.

The Operation and Maintenance Inspections (O&M) are performed strategically at wastewater treatment facilities in the State. The O&M involves the actual visit to the treatment plant site, a visual inspection of the facility, and a brief records review. The inspector determines if the facility and the equipment involved are properly operated and maintained. Certain limited physical and chemical tests are run on the effluent to help the evaluator determine the plant's efficiency and effectiveness of operation.

The following parameters are collected:

Effluent
Temperature
pH
Dissolved oxygen
Chlorine residual

The inspection program is not a totally regulatory program. The inspection results are discussed with the operator, when possible, to let him know what corrective measures, if any, are needed.

Procedure

The following is the procedure followed for completing a routine facility evaluation:

1. Plan work schedule ahead of visits.

2. Review file (for previous evaluations, inspections, orders, enforcement action, etc.) and make notes of items that were unsatisfactory on previous visits and carry file or parts
3. Review the permit completely.

4. Inform appropriate person (immediate supervisor) of your planned daily visits.

5. Make every effort possible to contact owner or operator of the facility to be evaluated to inform him of inspection plans. The owner or operator is expected to accompany the evaluator during the evaluation.

6. If you are unable to contact owner or operator, obtain access and permission to evaluate facility.

7. Make appropriate observations and field tests to determine which processes are satisfactory or unsatisfactory. The facility evaluator must make observations and tests as indicated on the evaluation forms. Effluent tests are mandatory.

8. Review the facility's monitoring and permit compliance records. Make comments as appropriate.

9. Reports must be completely filled out and signed by person making evaluation. Make appropriate remarks and recommendations. Deficiencies should be listed in remarks section of inspection form.

10. Record name of person you contacted.

11. Inform the owner or operator of findings and ask him to make any needed corrections.

12. If samples are collected for laboratory analysis, coordination should be made with laboratory and results should be included with evaluation report.

The inspector's reports are reviewed in the region and central office before the copies are distributed. One copy of the inspection is sent to the facility owner, one copy is kept in the regional office, and the original is sent to Central Office to be reviewed, logged and sent to the permittee and Central Files. Inspection results are entered into the E-permitting and into ICIS.

Suspense files on problem facilities should be maintained in the Regional Office. The facility evaluators should also keep a list of facilities that need to be sampled for possible enforcement action. Those lists should be forwarded to the regional monitoring supervisor periodically to be scheduled for sampling.

If the regional staff has exhausted its resources in getting the facility in proper operational condition, then all necessary information concerning the facility can be addressed at a meeting at the regional level. Necessary enforcement action should follow the established enforcement procedures until compliance is achieved.

3.3.5 Compliance Sampling Inspections

Compliance sampling inspections are performed to determine if wastewater treatment facilities are operating, as permitted and designed, to collect data for comparison with self-monitoring data, and to support enforcement action.

Sampling of facilities are assigned the following priorities:

1. Federal Compliance Sampling Inspections
2. Enforcement Section or EPA requests
3. Engineering Division request
4. Regional personnel request
5. Routine sampling

Federal Compliance Sampling Inspections

The Federal Compliance Sampling Inspection requires that an inspection of the facility be conducted by the EA regional facility evaluator. This inspection is to be made on one of the three (3) days required for effluent sampling. A list of the dischargers receiving Federal Compliance Sampling Inspections for each EA region appears in Appendix K.

A detailed inspection of the facility's records, regular operation and maintenance, flow measurement devices, sampling procedures, laboratory, and other permit conditions for compliance verification is conducted by the district facility evaluator. Effluent sampling is included in the Federal Compliance Sampling Inspection. Procedures for sampling the effluent are the same as discussed below for State Minor Compliance Sampling Inspections.

After the sampling and inspection has been completed, the laboratory results are mailed to the ARESD. The reports are entered into E-permitting to be processed by the Water Pollution Compliance Section.

3.4 Complaint Investigations and Fish Kill Program

3.4.1 Complaint Investigations

Purpose

The primary purpose for the investigation of complaints is to determine whether or not a pollution or public health threat exists, and, if under DHEC authority, to require corrective action where problems are found. Since customer service is a primary focus of the Department, complaint response receives a high priority.

Strategy

Field staff located in the four regions across the state provide the Department with prompt contact with the complainant, and appropriate response and follow-up as necessary. Complaints received either directly from the public or through other sources will be documented according to the Investigation Response Standard Operating Procedure (SOP) and any other relevant SOP. Complaints are received, tracked and documented in ePermitting, the online platform used for

complaints, permitting, and tracking. Normal compliance processes are followed. Compliance assistance can be offered depending on the circumstance and voluntary correction of identified problems is often obtained. However, enforcement action may be taken, when necessary, under the Pollution Control Act and/or other applicable regulations and laws.

Safety

When investigating a complaint, staff safety is top priority. Complaint triaging and a pre-field investigation is required prior to conducting the site investigation. These critical steps are about notifying the potentially responsible party (PRP) of the complaint, making contact with the PRP, gathering information, determining authority, gaining permission to access to the site (if a site visit is needed), and making a safety assessment. Additionally, the Department partners with Law Enforcement as needed.

No two investigations are ever the same and no training can fully prepare staff for what they may encounter in the field. The key is for staff to be aware of their surroundings and to have a plan for the unexpected. Staff are expected to stop any work task that they believe to be unsafe. If staff are uncomfortable with a situation they encounter in the field or fear for their personal welfare or safety, they should remove themselves from the situation and contact their supervisor or call 911 as appropriate.

Complaint Investigation Procedures

All investigations must be conducted in accordance with the Agency's Strategic Plan, BEHS Expectations and programmatic laws, regulations, and standard operating procedures. Staff are expected to follow the BEHS *Investigation Response Standard Operating Procedure* in handling complaints.

Table 8. Office of Environmental Affairs (EA) Regional Directory

Upstate EA Anderson (Anderson, Oconee Counties)	220 McGee Road Anderson, SC 29621	Phone: (864) 260-5585 Fax: (864) 222-3923
Upstate EA Greenwood (Abbeville, Greenwood, Laurens, McCormick Counties)	1736 South Main Street Greenwood, SC 29646	Phone: (864) 227-5915 Fax: (864) 942-3680
Upstate EA Greenville (Greenville, Pickens Counties)	600 Mauldin Rd Suite 100 Greenville, SC 29607	Phone: (864) 372-3273 Fax: (864) 282-4371
Midlands EA Columbia (Fairfield, Lexington, Newberry, Richland Counties)	State Park Health Center 8500 Farrow Road, Bldg. 12 Columbia, SC 29203	Phone: (803) 896-0620 Fax: (803) 896-0617
Midlands EA Lancaster (Chester, Lancaster, York Counties)	2475 DHEC Road Lancaster, SC 29720	Phone: (803) 285-7461 Fax: (803) 285-5594
Midlands EA Aiken (Aiken, Barnwell, Edgefield, Saluda Counties)	206 Beaufort Street, NE Aiken, SC 29801	Phone: (803) 642-1637 Fax: (803) 643-4027
Pee Dee EA Florence (Chesterfield, Darlington, Dillon, Florence, Marion, Marlboro Counties)	145 E. Cheves Street Florence, SC 29506	Phone: (843) 661-4825 Fax: (843) 661-4858
Pee Dee EA Sumter (Clarendon, Kershaw, Lee, Sumter Counties)	105 N. Magnolia Street Sumter, SC 29150	Phone: (803) 778-6548
Pee Dee EA Myrtle Beach	927 Shine Avenue	Phone: (843) 238-4378

(Georgetown, Horry, Williamsburg Counties)	Myrtle Beach, SC 29577	Fax: (843) 238-4518
Lowcountry EA Charleston (Berkeley, Charleston, Dorchester Counties)	1362 McMillan Avenue Suite 300 Charleston, SC 29405	Phone: (843) 953-0150 Fax: (843) 953-0151
Lowcountry EA Beaufort (Beaufort, Colleton, Hampton, Jasper Counties)	104 Parker Drive Beaufort, SC 29906	Phone: (843) 846-1030 Fax: (843) 846-0604
Midlands EA Orangeburg (Allendale, Bamberg, Calhoun, Orangeburg, Counties)	1550 Carolina Avenue Orangeburg, SC 29115	Phone: (803) 533-5490 Fax: (803) 268-5784

3.4.2 Fish Kill Program

The Environmental Response Section (ERS) of the BEHS was established to coordinate emergency response activities during oil spills, chemical releases, and fish kills for the EA. The ERS is responsible for the coordination of EA responses regarding emergencies related to water, air, drinking water, solid waste and wastewater. The ERS is also responsible for response and technical assistance regarding other potential threats to environmental health.

The data related to fish kill incidents is collected so that BEHS may coordinate an effective response to acute water quality problems. This data is also available to other bureaus within SCDHEC for the evaluation of trends regarding the mismanagement of pesticide and herbicide applications, point and nonpoint pollution sources, natural phenomena that may result in environmental stress and assessments regarding environmentally sensitive areas. Additionally, this data is available to interested citizens and private parties and other government agencies, i.e., the South Carolina Department of Natural Resources (SCDNR) and the National Oceanic and Atmospheric Administration (NOAA). All reports regarding fish kill incidents are entered into and maintained within SCDHEC's ePermitting reporting system.

A rapid initial response is often essential to an effective investigation regarding a fish mortality incident. Therefore, the toll-free 24-hour SCDHEC response line, 888-481-0125, is available for the reception of reports regarding the occurrence of fish kills. Monday through Friday between the hours of 8:30 a.m. and 5:00 p.m., this number is managed directly by the ERS Central Office Duty Officer (CODO). The CODO coordinates response activities in cooperation with the Regional On-Scene Coordinator (ROSC), of the appropriate EA Regional Office, hereafter referred to as Field Office, where the incident occurred. After business hours and on weekends, the SCDHEC response line is managed by the operators in the State Warning Point (SWP) which operates at the South Carolina Emergency Management Division (SCEMD). The SWP operators then communicate the information in the initial report to the CODO. The CODO will coordinate a response to the incident. Additionally, fish kill incidents reported directly to a Field Office are also communicated to the CODO in order to ensure the effective coordination of all investigative responses.

During an investigative response to a fish kill, field assessment is conducted to collect relevant information. This information will assist in determining the level of response required. In cases where an investigator is deployed to the incident site, the ROSC is the person who conducts the initial assessment and determines what response actions are necessary. The responsibilities associated with the position of ROSC are assigned to personnel within each of the 13 Field Offices. Each Field Office maintains the equipment necessary to conduct fish kill investigations.

Because a legal liability may be associated with a fish kill incident, each Field Office also possesses the most current version of the SCDHEC *Field Manual for the Investigation of Fish*

Kills and the new BEHS *Fish Kill Investigation Protocol*. These documents provide standard operating procedures for conducting fish kill investigations. Additionally, EA personnel frequently participate in educational opportunities related to fish kill incidents in order to increase their knowledge of the conditions and dynamics and to improve the efficacy of SCDHEC investigative responses.

The distribution of responsibilities throughout the Field Offices enables an efficient response by decreasing the distance between the ROSC and the incident location; this reduces response time and increases the possibility of determining the cause of the fish kill. Field Office personnel, ROSCs, are often familiar with the incident locations and local resources available in the area. This familiarity also lends itself to an increased level of awareness and understanding of the variables present in the local ecosystem.

Each Field Office collaborates with local SCDNR personnel when conducting fish kill investigations. The familiarity between the SCDHEC EA personnel and local SCDNR personnel is increased through the frequent coordination and responses at the local level. The SCDNR Wildlife and Freshwater Fisheries Division participates in the management of fish kill incidents that occur in freshwater conditions. The SCDNR Marine Resources Division, located in Charleston, participates in the management of fish kill events that occur in saline waters. The SCDNR Law Enforcement Division also maintains a toll-free 24-hour telephone number, 800-922-5431, for emergencies requiring immediate law enforcement assistance. All fish kill notifications received by SCDHEC are passed on to SCDNR per the BEHS *Fish Kill Investigation Protocol*.

For cases in which a fish kill incident is potentially related to a release of fertilizers, herbicides or pesticides, SCDHEC personnel coordinate response actions with personnel from the Clemson University Department of Fertilizer and Pesticide Control. If such an official is unavailable, the ERS Fish Kill Coordinator is notified of the event. If necessary, samples may be delivered to the SCDHEC ARESD. The ARESD is capable of conducting a laboratory analysis of samples collected during a fish kill investigation; with the exception of biological specimens.

The extent of any specific fish kill investigation is dependent upon a number of variables. Those variables include, but are not limited to, the number and types of fish affected, the characteristics of the body of water and the resources available for response actions. Although delayed reporting of a fish kill event can diminish the ability to determine the cause of a fish kill, an investigation is conducted to identify potential issues related to environmental health regardless of the length of the time that has elapsed since the incident occurred. Fish mortality incidents may result from a variety of natural and unnatural causes. The investigation into a given fish kill should continue until a cause is identified or until the significance of all potential environmental health threats, such as a contamination resulting from a release of chemicals, oil or other pollutants, is eliminated. For cases in which the cause of a fish kill is determined to be related to human activities, a report is submitted to the Division of Water Monitoring, Assessment and Protection of the EA Bureau of Water for potential enforcement actions regarding relevant regulations.

3.5 Public Water Systems Monitoring

The monitoring schedules and requirements are included in the National Primary Drinking Water

Regulations of the Safe Drinking Water Act as amended in 1986 for Phases I, II, IIB, and V. Also included in this Act are the Lead and Copper Rule, Revised Total Coliform Rule, and the Surface Water Treatment Rule. The enclosed numbers are a summary of the required drinking water monitoring for CY2023. A description of the sampling compliance cycles and monitoring parameters is included to show where time and effort are focused. The waivers, scheduling, collection, shipment, and analyses are conducted by the SCDEHC Bureau of Water, BEHS Regional Offices, ARESD, and contracted private laboratories.

3.5.1 Microbiological

Required and Repeat Monitoring: Distribution Monitoring

The microbiological monitoring program is based on the Revised Total Coliform Rule and Groundwater Rule. The Revised Total Coliform Rule (RTCR) requires all federally defined public water systems to develop a self-monitoring program for their system. The Groundwater Rule requires all federally defined systems that detect total coliform in their distribution system to collect a sample from each source in use at the time of the total coliform positive. To be classified as a federally defined public water system, the system must meet specific criteria. These criteria are as follows:

1. A Community water system services a minimum population of twenty-five (25) year-round residents or has at least fifteen (15) service connections in use year-round.

   OR

2. A Transient Non-Community water system has at least 15 service connections or serves an average of 25 or more people a day, though not the same people each day (i.e., restaurants, rest stops, campgrounds).

   OR

3. A Non-Transient Non-Community water system regularly serves at least 25 of the same people over six months per year (i.e., schools, factories, and offices).

A State water system is defined as any water system that serves less than 15 service connections or regularly serves an average of less than 25 individuals daily. Department staff collects quarterly/monthly/annual samples, as required, from the distribution system of this type of water system. Repeat samples are required for each total coliform or *E. coli* positive routine sample as per the rule.

The Department also collects, for mandated compliance monitoring, quarterly/monthly/annual bacteriological samples from the transient non-community water systems. These samples are collected as part of the services included under the Drinking Water Fees. Repeat sample sets are collected for these systems, as required in RTCR. The repeat sets consist of three distribution samples and the source samples for those source(s) in operation at the time of the total coliform or *E. coli* positive routine sample.

Migrant camps are monitored during the months they are in operation.

Non-Routine: Distribution Monitoring of Public Water Systems

Non-routine samples are special samples that may be collected due to complaints on a public water system. Department personnel will collect bacteriological samples from residences where complaints have been filed. If there have been line breakages, line repairs, or extensions, samples may be collected to determine water quality and disinfection residual. Special project samples are included in the non-routine (non-required) program area. Special project samples encompass samples collected in defining an area of contamination, potential contamination, and investigations. These samples may be from public water systems or private wells.

3.5.2 Inorganic Chemicals (IOCs)

Required and Repeat Monitoring: Entry Point to Distribution System (EPTDS)

Routine inorganic sample analysis includes the following compounds: arsenic, barium, cadmium, chromium, fluoride, mercury, selenium, antimony, beryllium and thallium. Inorganic monitoring applies to community systems and non-transient non-community systems. There are two schedules for IOCs: one (1) routine sample each calendar year (CY2023) for surface water systems; and one (1) routine sample every three (3) years for groundwater systems (January 2023-December 2025). Any system exceeding a Maximum Contaminant Level (MCL) shall be monitored quarterly beginning in the next quarter after the initial MCL exceedance. The quarterly monitoring may decrease if the system is reliably and consistently below the MCL to one sample at each sampling point during each compliance period for groundwater systems and one sample annually at each sampling point for surface water systems.

Required Lead and Copper Monitoring: Source and Distribution Monitoring

Community and Non-Community Non-Transient water systems must monitor for lead and copper. Initial sampling is conducted in the distribution system. If the initial two rounds (2 consecutive 6-month sampling periods) of sampling are below the action levels for lead (0.015 ppm) and copper (1.3 ppm), the system may be placed on reduced annual monitoring. Reduced annual monitoring is conducted during the months of June, July, August, and September. The system is required to collect half the number of samples of the initial round. Five (5) samples per system is the minimum number of samples that may be collected for initial and reduced monitoring. If three consecutive rounds of reduced annual monitoring for the system are below the action levels for both lead and copper, the system may be placed on the triennial monitoring. The systems on triennial monitoring must collect a reduced sampling round once every three years. Should a water system exceed the action level for lead, copper, or both, the water system must conduct an Optimal Corrosion Control Treatment (OCCT) study. In addition, system(s) must conduct water quality parameter sampling and public education (lead action level exceedance only). System(s) exceeding the action level continue sampling on a six-month sampling cycle. OCCT requires source monitoring for all sources within the system. A water system may continue to monitor for lead and copper during the OCCT study. If during the OCCT study period, two consecutive rounds of lead and copper monitoring are below the action levels for both lead and copper, the system may be taken off OCCT and placed on the reduced monitoring schedule.

Required Nitrate and Repeat Monitoring: Entry Point to Distribution System (EPTDS)

Each public water system must be monitored on an annual basis for nitrate. Repeat monitoring frequency shall be quarterly for at least one year following any one sample in which the concentration is 50 percent or more of the MCL. The schedule may be reduced to annual monitoring after four consecutive quarterly samples are reliably and consistently less than the MCL.

Migrant camps should be monitored prior to their opening.

Non-Routine/Special Projects (Investigation): Source, Distribution Monitoring, or Entry Point to Distribution System (EPTDS)

These samples are collected due to citizen complaints regarding a public water system or potential health hazard. These samples are not for compliance determination, but to help detect and correct any problem areas noted by the water systems' customers. These samples are part of the Department's public service commitment to investigate any public water complaint and address them accordingly. Special project samples are considered investigative sampling. Compliance issues may be raised from the samples and actions are taken accordingly.

3.5.3 Synthetic Organic Compounds (SOCs): Entry Point to Distribution System (EPTDS)

SOCs consist of forty-nine (49) regulated and unregulated compounds. All community and non-transient non-community public water systems require an initial four (4) consecutive quarters of monitoring. If at the end of the four consecutive quarters of monitoring no contaminant had a reading of greater than or equal to the detection limit, then the source is placed on routine monitoring. Once initial monitoring has been completed a system will have its schedule adjusted. If a contaminant result is greater than or equal to the detection limit the system must continue with four additional consecutive quarters of monitoring until the sampling is reliably and consistently below the detection limit. There are three different schedules for SOCs: one (1) routine sample each calendar year (CY2023) for surface water systems; one (1) routine sample every three (3) years for groundwater systems with a population of greater than 3,300 (CY2023-CY2025) and one (1) routine sample every nine (9) years for groundwater systems with a population of less than or equal to 3,300 (January 2020-December 2028).

3.5.4 Volatile Organic Compounds (VOCs): Entry Point to Distribution System (EPTDS)

VOCs consist of twenty-one (21) regulated contaminants and thirty-eight (38) unregulated contaminants. All community and non-transient non-community public water systems require an initial four (4) consecutive quarters of monitoring. If at the end of the four consecutive quarters of monitoring no contaminant had a reading of greater than 0.0005 mg/L then the source is placed on routine monitoring. Once initial monitoring has been completed a system will have its schedule adjusted. If a detection level is exceeded the system must continue with four additional consecutive quarters of monitoring until the sampling is reliably and consistently below the MCL. There are two schedules for VOCs: one (1) routine sample each calendar year (CY2023) for surface water systems; and one (1) routine sample every six (6) years for groundwater systems (January 2020-December 2025).

Non-Routine: Source or Distribution Monitoring

All non-routine VOCs would be collected on a complaint basis or as part of an investigation. These samples may be collected in coordination with landfills, gas stations, and petroleum storage tanks. The Drinking Water Monitoring Section, the Regional EA offices, and other Bureaus within the Agency may require special projects involving VOC samples to be collected and analyzed.

3.5.5 Total Trihalomethanes (TTHMs): Distribution Monitoring

Total Trihalomethanes (TTHMs) are a byproduct of drinking water disinfection. Community water systems and non-community, non-transient water systems utilizing treated water in whole or in part are required to monitor for TTHMs. Compliance (routine) monitoring is based upon source water type and the population served.

3.5.6 Haloacetic Acids (HAAs): Distribution Monitoring

Haloacetic Acids (HAAs) are a byproduct of drinking water disinfection. Community water systems and non-community, non-transient water systems utilizing treated water in whole or in part are required to monitor for HAAs. Compliance (routine) monitoring is based upon source water type and the population served.

3.5.7 Radionuclides: Entry Point to Distribution System (EPTDS)

Community water systems are required to monitor for radionuclides, which include gross alpha, radium-226, and radium-228. Uranium will be analyzed for based on the gross alpha level (result greater than 15 pCi/L). Radium-226 and Radium-228 will be monitored for all samples collected. If Radium-226 analysis cannot be reported, the compliance result will be calculated based on the gross alpha level and according to substitution rules found in the SPDWR.

Table 9. Projected Public Water System Sample Numbers for CY 2023

Microbiological	
1. Required Sampling	2,300
a. Repeat Sampling	800
2. Non-routine Sampling	2,200

Inorganic Chemicals (IOCs)	
1. Required Inorganic Sampling	427
2. Required Lead & Copper Sampling	3,284
a. Source Sampling	50
3. Required Nitrate (routine + repeat monitoring)	1,570
4. Non-routine Investigative Sampling	200
5. Required Nitrite Sampling	216
Synthetic Organic Compounds (SOCs)	
1. Benzo(a)pyrene	190
2. Semi-volatile/Pesticides	191
3. Herbicides/Dalapon	209
4. PCB/Toxaphene	187
5. Carbamates	195
6. Glyphosate	195
7. Diquat	195
8. EDB/DBCP	231

Volatile Organic Compounds (VOCs) 1. Required 2. Non-routine Sampling	346 100
Trihalomethanes (TTHMs) 1. Required monitoring	2,503
Haloacetic Acids (HAAs) 1. Required Monitoring	2,503
Radionuclides 1. Required Sampling (Alpha, Radium 226/22	359

4.0. PROGRAM EVALUATION AND PLANNING

The South Carolina ambient monitoring strategy as described in this document represents a comprehensive approach to address the goals and objectives discussed in Section 1. The Strategy is updated each year, and as part of that process each program represented in the Strategy conducts a thorough review of their continuing monitoring activities. This review includes an evaluation of new initiatives and emerging issues and provides the opportunity to incorporate changes to the monitoring activities to ensure that those are addressed.

5.0 REFERENCES

Referenced procedure manuals can be found within SCDHEC's Environmental Affairs intranet at the URL below. For those without access, please contact the Environmental Affairs office to request specific procedure manuals.

https://dhec.sharepoint.com/sites/EAAdmin/Shared%20Documents/Forms/AllItems.aspx?csf=1&web=1&e=LsVF9U&CT=1661793591581&OR=OWA%2DNT&CID=af1e2be2%2D0e08%2D2f87%2Df338%2Daa04f06bdac7&FolderCTID=0x0120003D6822E57A82AB4394803530AD6FDED7&id=%2Fsites%2FEAAdmin%2FShared%20Documents%2FSOPs&viewid=e7148e1e%2D621f%2D4c41%2Da198%2D4e373d71b73e

Appendices

A. Ambient Surface Water Quality Monitoring Site Descriptions Listed By Regional Laboratory Office

RANDOM SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RL-23026	LAKE GREENWOOD 0.8 MILES SOUTHEAST OF US HWY 221 BRIDGE	LAURENS	FW
RL-23032	LAKE KEOWEE LOCATED 0.9 MILES WNW OF WARPATH BOAT RAMP AND 0.8 MILES S OF SV-338	OCONEE	FW
RL-23033	LAKE HARTWELL LOCATED DIRECTLY 1.23 MILES WSW FROM TWELVE MILE BOAT RAMP AND 0.5 MILES NNW OF HWY 123 BRIDGE.	PICKENS	FW
RL-23038	RICHARD B. RUSSELL LAKE LOCATED 0.58 MILES SW FROM MANOR BOAT RAMP AND 1.08 MILES NNW OF RUSSELL DAM FISHING PLATFORM.	ABBEVILLE	FW
RL-23042	LAKE GREENWOOD 1.3 MILES SW OF T-ROY'S BOAT LANDIING AND 1.33 MILES SW OF WATTS BRIDGE RD BRIDGE.	LAURENS	FW
RL-23044	LAKE JOCASSEE LOCATED 1.4 MILES NE OF DEVILS FORK 1 BOAT RAMP AND 2 MILES N OF JOCASSEE 2 BOAT RAMP.	PICKENS	TPGT
RL-23048	LAKE HARTWELL LOCATED 1.15 MILES NNW OF GUMLOG BOAT RAMP AND 2.3 MILES SE OF CHOESTOA PARK BOAT RAMP AND 1.36 MILES NW OF TUGALOO STATE PARK.	OCONEE	FW
RL-23049	LAKE HARTWELL LOCATED 0.55 MILES SSE OF OCONEE POINT BOAT RAMP AND 0.56 MILESS E OF TOWNVILLE BOAT RAMP.	ANDERSON	FW
RL-23114	LAKE CUNNINGHAM LOCATED AT THE END OF THE LAKE CUNNINGHAM RECREATION FACILITY DOCK AND 0.08 MILES WSW OF N HWY 101.	GREENVILLE	FW
RL-23117	LAKE RABON LOCATED 0.3 MILES DIRECTLY N OF LAKE RABON PARK BOAT RAMP AND 0.13 MILES WNW OF CLOSEST CURVE IN YACHT DR.	LAURENS	FW
RL-23118	LAKE HB ROBINSON LOCATED 0.6 MILES NW FROM JOHN A. ROBINSON PARK BOAT RAMP AND 0.4 MILES NW FROM RL-05395.	GREENVILLE	FW
RL-23119	TUGALOO LAKE DIRECTLY 0.7 MILES SW OF TUGALO BOAT RAMP SC AND APPROXIMATELY 1 MILE FROM GEORGIA POWER PLANT TUGALO DAMN.	OCONEE	TPGT
RL-23121	LAKE BLALOCK DIRECTLY 0.67 MILES NNW OF LAKE BLALOCK DAM BOAT RAMP AND 0.12 MILES NNE OF THE END OF WARRIOR LN.	SPARTANBURG	FW

RANDOM SITES (CONT)

RL-23124	BROADWAY LAKE LOCATED APPROXIMATELY 0.7 MILES NNE DIRECTLY FROM MCFALL'S LANDING BOAT RAMP AND 0.3 MILES SW OF MULDROW PARK.	ANDERSON	FW
RS-23058	HURRICANE CREEK- CREEK FEEDS INTO NORTH SIDE OF PRIVATE LAKE THAT PROPERTY OWNER GAVE PERSMISSION TO SAMPLE	OCONEE	
RS-23067	GREENVILLE BRANCH ON PRINCE HALL LANE	SPARTANBURG	
RS-23071	LITTLE RIVER AT S-30-38/ JEFFERSON DAVIS ROAD	LAURENS	
RS-23075	PENNY CREEK ON FLAT ROCK RD	ABBEVILLE	
RS-23078	THREEMILE CREEK AT DOBBINS BRIDGE ROAD	ANDERSON	
RS-23090	SOUTH PACOLET RIVER BLACKSTOCK ROAD	SPARTANBURG	
RS-23094	UNNAMED TRIB TO WARRIOR CREEK LINCOLN ROAD	LAURENS	

BASE SITES

B-014	MIDDLE TYGER RVR AT S-42-64	SPARTANBURG	FW
B-018A	NORTH TYGER RVR AT S-42-231; 11 MI S OF SPARTANBURG	SPARTANBURG	FW
B-040	ENOREE RVR AT S-30-112	LAURENS	FW
B-126	N PACOLET RVR AT S-42-978; 1 MI SE OF FINGERVILLE	SPARTANBURG	FW
B-302	S PACOLET RVR AT S-42-866 1 MI SE CAMPOBELLO	SPARTANBURG	FW
B-332	S TYGER RVR AT S-42-86; 5 MI NE OF WOODRUFF	SPARTANBURG	FW
B-339	LAKE BOWEN 0.3 MI W OF SC 9	SPARTANBURG	FW
BL-001	LAWSONS FORK CK AT S-42-108	SPARTANBURG	FW
CL-019	LK JOCASSEE IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	OCONEE, PICKENS	TPGT
S-004	N SALUDA RVR AT BRDG AB JCT WITH SALUDA RVR E OF SC 186	GREENVILLE	FW
S-021	REEDY RVR AT S-30-06 E WARE SHOALS	LAURENS	FW
S-022	REEDY FORK OF LK GREENWOOD AT S-30-29	LAURENS	FW
S-024	LAKE GREENWOOD; HEADWATERS; JUST US S-30-33	LAURENS, GREENWOOD	FW
S-072	REEDY RVR ON HWY 418 AT FORK SHOALS	GREENVILLE	FW
S-096	RABON CK AT S-30-54 8.8 MI NW CROSS HILL	LAURENS	FW
S-119	SALUDA RVR AT S-04-178 3.2 MI SE WILLIAMSTON	ANDERSON, GREENVILLE	FW
S-125	SALUDA RVR AT US 25 BYPASS 1.5 MI ESE WARE SHOALS	LAURENS, GREENWOOD	FW
S-131	LK GREENWOOD AT US 221 7.6 MI NNW 96	GREENWOOD, LAURENS	FW
S-299	SOUTH SALUDA RVR AT SC 186	GREENVILLE, PICKENS	FW
S-308	LAKE GREENWOOD; REEDY RVR ARM; 150 YDS US RABON CK	LAURENS	FW
S-311	BOYD MILL POND .6 KM W DAM	LAURENS	FW
S-319	REEDY RVR AT RIVERS ST; DOWNTOWN GREENVILLE	GREENVILLE	FW

BASE SITES (CONT)

SV-004	CONEROSS CK AT SC 59	OCONEE	FW
SV-098	LAKE RUSSELL AT SC 72 3.1 MI SW CALHOUN FALLS	ABBEVILLE	FW
SV-111	THREE AND TWENTY CREEK AT S-04-280	ANDERSON	FW
SV-137	TWELVE MILE CK AT S-39-337	PICKENS	FW
SV-199	CHATTOOGA RVR AT US ROUTE 76	OCONEE	ORW
SV-200	TUGALOO RVR ARM OF LAKE HARTWELL AT US 123	OCONEE	FW
SV-203	LITTLE RVR AT S-37-24 7.1 MI NE OF WALHALLA	OCONEE	FW
SV-233	EIGHTEENMILE CK AT 2-04-279	ANDERSON	FW
SV-236	LAKE HARTWELL AT S-37-184 6.5 MI SSE OF SENECA	OCONEE	FW
SV-268	LAKE HARTWELL - EIGHTEEN MILE CK ARM AT S-04-1098	ANDERSON	FW
SV-331	LK SECESSION; 1 1/4 MI BELOW SC ROUTE 28	ANDERSON	FW
SV-335	LK JOCASSEE AT TOXAWAY; HORSE PASTURE; AND LAUREL FORK CONFLUENCE	OCONEE, PICKENS	TPGT
SV-336	LK JOCASSEE AT CONFLUENCE OF THOMPSON AND WHITEWATER RVRS	OCONEE	TPGT
SV-338	LK KEOWEE ABOVE SC ROUTE 130 AND DAM	OCONEE, PICKENS	FW
SV-339	LK HARTWELL; SENECA RVR ARM AT USACE BUOY BTWN S-14 AND S-15	ANDERSON	FW
SV-340	LK HARTWELL; MAIN BODY AT USACE WQ BUOY BTWN MRKRS 11 AND 12	ANDERSON	FW
SV-344	CHAUGA RIVER AT S-37-34	OCONEE	FW
SV-357	LAKE RUSSELL; ROCKY RVR ARM BETWEEN MARKERS 48 AND 49; DS FELKEL	ABBEVILLE	FW
SV-361	LAKE KEOWEE IN FOREBAY OF LITTLE RIVER DAM	OCONEE	FW
SV-363	LAKE HARTWELL OFF GLENN FORD LANDING US BEAVERDAM CK COVE	ANDERSON, HART	FW

TEMPORARY REQUESTED SITES

S-007	SALUDA RIVER AT WALKING BRIDGE APPROXIMATELY 129 YARDS NW OF SC 81 ANDERSON ROAD	ANDERSON, GREENVILLE	FW
S-325	BEAVERDAM CREEK AT SMITHVILLE ROAD S-30-426. DOWNTREAM OF COGGINS POULTRY. CLIMB DOWN BANK FOR ACCESS. PARKING BEST ON SE SIDE	LAURENS	FW
SV-374	LAKE HARTWELL - EIGHTEEN MILE CK ARM APPROX 227 YARDS SW OF 18 MILE CREEK BOAT LANDING	ANDERSON	FW
SV-375	EIGHTEEN MILE CK AT ANN DRIVE	PICKENS	FW
SV-376	EIGHTEENMILE CK AT SIMMS SCHOOL RD/ S-39-44	PICKENS	FW

2023 CATAWBA SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RANDOM SITES			
CW-233	FISHING CREEK AT S-12-77	CHESTER	FW
PD-247	THOMPSON CK AT SC 9 1.5 MI ESE OF CHESTERFIELD	CHESTERFILED	FW
RL-23025	LAKE ROBINSON 1 MILE NORTH OF ROBINSON NUCLEAR PLANT	DARLINGTON	FW
RL-23041	LAKE WYLIE LOCATED DIRECTLY 2.57 MILES SW OF BUSTER BOYD BOAT RAMP AND DIRECTLY 3.17 MILES N OF CW-201.	YORK	FW
RL-23116	CEDAR CREEK RESERVOIR LOCATED DIRECTLY 0.62 MILES SW FROM STUMPY POND BOAT RAMP AND 0.12 MILES N OF THE DAMN ABOVE THE CEDAR CREEK BOAT RAMP. ALSO 0.85 MILES ENE FROM DEBUTARY BOAT RAMP.	LANCASTER	FW
RL-23120	CEDAR CREEK RESERVOIR LOCATED 0.6 MILES NNW FROM STUMPY POND BOAT RAMP AND 0.02 MILES E OF CLOSEST POINT OF PICKETT ISLAND.	CHESTER	FW
RL-23122	LAKE WHELCHEL LOCATED DIRECTLY 0.5 MILES ENE OF THE LAKE WHELCHEL BOAT RAMP AT THE END OF BOAT LANDING DR. ALSO 0.2 MILES NW OF CLOSEST POINT OF PLEASANT SCHOOL ROAD.	CHEROKEE	FW
RS-23057	CAMP BRANCH AT S-29-294/URIAH RD VIA TOM GREGORY RD	LANCASTER	FW
RS-23081	UNNAMED TRIB TO GRANNIES QUARTER CREEK SMALL CULVERT ON CATOE RD	KERSHAW	FW
RS-23105	MOSE BRANCH WHITEPLAINS S-13-40 CHURCH RD	CHESTERFIELD	FW
BASE SITES			
B-042	BROAD RVR AT SC 18 4 MI NE GAFFNEY	CHEROKEE	FW
B-044	BROAD RVR AT SC 211 12 MI SE OF GAFFNEY	CHEROKEE, YORK	FW
B-046	BROAD RVR AT SC 72/215/121 3 MI E OF CARLISLE	CHESTER, UNION	FW
B-048	PACOLET RVR AT SC 105 6 MI AB JCT WITH BROAD RVR	CHEROKEE, UNION	FW
B-057	BUFFALO CK AT SC 5 1 MI W OF BLACKSBURG	CHEROKEE	FW
B-062	THICKETTY CK AT SC 211 2 MI AB JCT WITH BROAD RVR	CHEROKEE	
B-075	SANDY RVR AT SC 215 2.5 MI AB JCT WITH BROAD RVR	CHESTER	FW
B-136	TURKEY CK AT SC 9; 14 MI NW OF CHESTER	CHESTER	FW
B-159	BULLOCK CK AT SC 97 4.8 MI S OF HICKORY GROVE	YORK	FW
B-333	KINGS CREEK AT S-11-209; 3 MI W OF SMYRNA	CHEROKEE, YORK	FW
BF-008	FAIRFOREST CK AT S-44-16 SW OF UNION	UNION	FW
CW-014	CATAWBA RVR AT US 21	YORK	FW
CW-016	CATAWBA RVR AT SC 9 AT FT LAWN	CHESTER, LANCASTER	FW

BASE SITES (CONT)

CW-017	CANE CK AT S-29-50	LANCASTER	FW
CW-036	SUGAR CREEK AT S-46-36	LANCASTER, YORK	FW
CW-041	CATAWBA RVR AT SC 5 AB BOWATER	LANCASTER, YORK	FW
CW-057	FISHING CK RES 75 FT AB DAM NR GREAT FALLS	CHESTER, LANCASTER	FW
CW-083	TWELVEMILE CK AT S-29-55 0.3 MI NW OF VAN WYCK	LANCASTER	FW
CW-197	LAKE WYLIE AB MILL CK ARM AT END OF S-46-557	YORK	FW
CW-201	LAKE WYLIE N LAKEWOODS S/D AT EBENEZER ACCESS	YORK	FW
CW-236	ROCKY CK AT S-12-138	CHESTER	FW
CW-249	ALLISON CK AT S-46-114	YORK	FW
CW-253	BRIDGE OVER CROWDERS CREEK AT S-46-152 -RIDDLE MILL ROAD	YORK	FW
PD-009	LYNCHES RVR AT US 1	CHESTERFIELD, KERSHAW	FW
PD-066	LYNCHES RVR AT S-13-42	CHESTERFIELD, KERSHAW	FW
PD-251	BLACK CK AT US 1	CHESTERFIELD	FW-SP
PD-327	LAKE ROBINSON AT S-13-346 5 MI E MCBEE BY BOAT	CHESTERFIELD	FW-SP
PD-344	LITTLE LYNCHES RIVER AT SC 341; 3.5 MI SE OF BETHUNE	KERSHAW	FW

TEMPORARY REQUESTED SITES

B-354	LAKE WHELCHEL BELOW CONFLUENCE OF CHEROKEE CREEK AND ALLISON CREEK ARMS OPPOSITE UPS FREIGHT FACILITY	CHEROKEE	FW
CW-016F	FISHING CK RES 2 MI BL CANE CREEK	CHESTER, LANCASTER	FW
CW-033	CEDAR CK RESERVOIR 100 M N OF DAM	LANCASTER, FAIRFIELD	FW
CW-174	CEDAR CK RESERVOIR AT UNIMP RD AB JCT WITH ROCKY CK	CHESTER	FW
CW-230	LAKE WYLIE AT DAM; UNDER POWERLINES	YORK	FW
LWT-01	LAKE WYLIE TAILRACE BOAT LANDING	LANCASTER	FW
RS-13114	BRIDGE OVER MORRIS BRANCH AT S-44-163 -DEEP WATER ROAD	UNION	FW

2023 CENTRAL MIDLANDS SITES

RANDOM SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
C-076	CEDAR CK CANOE ACCESS OFF S-40-1288 (SO CEDAR CK RD)	RICHLAND	ONRW
RL-23029	LAKE WATEREE SMALL COVE BETWEEN DUTCHMAN CREEK AND BEAVER CREEK	KERSHAW	FW
RL-23035	LAKE MURRAY LOCATED DIRECTLY 4 MILES SE OF LARRY KOON BOAT RAMP AND 0.12 MILES NW OF THE END OF MOORING LN.	LEXINGTON	FW
RL-23045	LAKE WATEREE LOCATED 1.2 MILES W OF CLEARWATER COVE BOAT RAMP AND 2.75 MILES ENE OF COLONEL CREEK BOAT RAMP.	KERSHAW	FW
RL-23046	PARR RESERVOIR LOCATED DIRECTLY 1.14 MILES SE OF HELLER'S CREEK BOAT RAMP AND DIRECTLY 1.57 MILES N OF CANNONS CREEK BOAT RAMP.	NEWBERRY	FW
RS-23059	SADDLER SWAMP SMALL BRIDGE ON RILEY RD/ STATE RD S-9-122	CALHOUN	FW
RS-23069	UNNAMED TRIB TO ROBERTS BRANCH WESTMORELAND RD; CULVERT RUNNING UNDER ROAD	RICHLAND	FW
RS-23086	LICK CREEK SC HWY 391	LEXINGTON, SALUDA	FW

BASE SITES

B-047	BROAD RVR AT SC 34 14 MI NE OF NEWBERRY	FAIRFIELD, NEWBERRY	FW
B-053	ENOREE RVR AT SC 72; 121; AND US 176; 1 MI NE WHITMIRE	NEWBERRY, UNION	FW
B-054	ENOREE RVR AT S-36-45 3.5 MI AB JCT WITH BROAD RVR	NEWBERRY	FW
B-072	DUNCAN CK AT US 176 1.5 MI SE OF WHITMIRE	NEWBERRY	FW
B-320	BIG CEDAR CK AT SC 215	RICHLAND	FW
B-327	MONTICELLO LAKE-LOWER IMPOUNDMENT BETWEEN LARGE ISLANDS	FAIRFIELD	FW
B-337	BROAD RVR AT US 176 -BROAD RIVER RD- IN COLUMBIA	RICHLAND	FW
B-345	PARR RESERVOIR IN FOREBAY NEAR DAM	NEWBERRY, FAIRFIELD	FW
B-349	TYGER RVR AT S-44-35 3.5 MI S OF CARLISLE	UNION, NEWBERRY	
B-350	LITTLE RVR AT SC 215; 1.5 MI NE OF CONFLUENCE WITH BROAD RVR	RICHLAND, FAIRFIELD	FW
B-352	INDIAN CREEK AT MONUMENT ROAD OFF S-36-36	NEWBERRY	FW
C-007	CONGAREE RVR AT US 601 -SC-001	CALHOUN, RICHLAND	FW
C-017	GILLS CK AT SC 48 -BLUFF ROAD	RICHLAND	FW
C-070	CONGAREE CK AT S-32-66	LEXINGTON	FW

BASE SITES (CONT)

C-072	TOMS CK AT SC 48	RICHLAND	FW
C-074	CONGAREE RVR; WEST BOUNDARY OF CONGAREE SWAMP MONUMENT	RICHLAND, CALHOUN	FW
C-075	CEDAR CK SOUTH OF S-40-734 OLD BLUFF ROAD; AT CANOE LAUNCH	RICHLAND	FW
CL-089	LAKE WATEREE IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	KERSHAW	FW
CW-019	WATEREE RVR AT US 1/601/SC 34 -W DEKALB ST	KERSHAW	FW
CW-206	WATEREE RVR AT US 76 AND 378	RICHLAND, SUMTER	FW
CW-222	WATEREE RIVER 1.6 MI US CONFLUENCE WITH CONGAREE - NEAR SC-002	RICHLAND, SUMTER	FW
CW-231	LAKE WATEREE HEADWATERS APPROX 50 YDS DS CONFL CEDAR CK	LANCASTER, FAIRFIELD	FW
S-047	SALUDA RVR AT SC 121	NEWBERRY, SALUDA	FW
S-102	BUSH RVR AT S-36-41 8.5 MI S OF NEWBERRY	NEWBERRY	FW
S-211	HOLLANDS LANDING LK MURRAY OFF S-36-26 AT END OF S-36-3	NEWBERRY	FW
S-213	LAKE MURRAY AT S-36-15	LEXINGTON, NEWBERRY	FW
S-222	LAKE MURRAY; LITTLE SALUDA ARM AT SC 391	SALUDA	FW
S-298	SALUDA RVR AT USGS GAGING STATION; 1/2 MI BELOW I-20	LEXINGTON, RICHLAND	TPGT-SP
S-305	LITTLE RVR AT SC 34	NEWBERRY	FW
S-309	LAKE MURRAY; BUSH RVR ARM; 4.6 KM US SC 391	NEWBERRY	FW
S-310	LAKE MURRAY; SALUDA RVR ARM; US BUSH RVR; 3.8 KM US SC 391	NEWBERRY, SALUDA	FW
SC-004	UPPER SANTEE RIVER 0.2 KM UPSTRM OF MOUTH OF BROADWATER CR.	SUMTER	FW

TEMPORARY REQUEST SITES

B-080	BROAD RIVER DIVERSION CANAL AT COLA WATER PLANT	RICHLAND	FW
CSB-001L	CONGAREE RVR AT BLOSSOM ST -SALUDA RIVER	LEXINGTON, RICHLAND	FW
CSB-001R	CONGAREE RVR AT BLOSSOM ST -BROAD RIVER	LEXINGTON, RICHLAND	FW
CW-207B	MID LAKE LAKE WATEREE	FAIRFIELD	FW
CW-208	LAKE WATEREE AT S-20-101 11 MI ENE WINNSBORO	FAIRFIELD	FW
CW-251	HOGFORK BRANCH AT S-20-20 CAMP WELFARE ROAD	FAIRFIELD	FW
CW-252	BIG WATEREE CREEK AT S-20-20 CAMP WELFARE ROAD	FAIRFIELD	FW
LCR-02	LAKE WATEREE UPSTREAM OF WATEREE CREEK ARM	FAIRFIELD	FW

TEMPORARY REQUEST SITES (CONT)

RL-16052	LAKE MURRAY BELOW THE CONFLUENCE WITH THE LITTLE SALUDIA RIVER ARM NEAR SHORELINE OF POINT ACROSS FROM SPRING CREEK COVE; APPROX 0.2 MI SW OF END OF OSPREY POINTE LANE	NEWBERRY	FW
RL-20202	LAKE MURRAY APPROX 0.5 MILES NNW FROM NORTHERN END OF JIM SPENCE ISLANDS	LEXINGTON	FW
RS-01044	BUSH RIVER AT COUNTY RD 395; 3 M S OF NEWBERRY	NEWBERRY	FW
S-046	BUSH RIVER AT S.C. ROUTE 34	NEWBERRY	FW
S-223	BLACKS BR; LK MURRAY AT SC 391	NEWBERRY, SALUDA	FW
S-279	LK MURRAY AT MARKER 63	LEXINGTON, NEWBERRY	FW
S-280	LK MURRAY AT MARKER 102	LEXINGTON, NEWBERRY	FW
S-287	RAWLS CREEK AT S-32-107	LEXINGTON	FW
S-328	BUSH RIVER AT S-36-342	NEWBERRY	FW

2023 LOW COUNTRY SITES

RANDOM SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RO-23316	UNNAMED CREEK TO MACKAY CREEK SOUTH OF SHELLFISH SITES 20-20A AND 20-20E	BEAUFORT	FW
RO-23319	WILLIMAN CREEK NEAR CONFLUENCE WITH WIMBEE CREEK EAST OF ISLAND	BEAUFORT	FW
RO-23320	COLLETON RIVER NW OF CALLAWASSIE CREEK NORTH OF CRANE ISLAND	BEAUFORT	FW
RO-23323	WHALE BRANCH OPPOSITE SHELLFISH SITE 14-13	BEAUFORT	FW
RO-23324	CHECHESSEE RIVER NE OF MOUTH OF MACKAY CREEK	BEAUFORT	FW
RO-23326	MOUTH OF SOUTHERN CHANNEL BETWEEN SCHOONER CHANNEL AND WILLIMAN CREEK	BEAUFORT	SFH
RO-23327	COOSAW RIVER MOUTH AT CONFLUENCE WITH COMBAHEE RIVER	BEAUFORT	SFH
RO-23328	NEW RIVER APPROX 0.7 MILES NW OF SHELLFISH SITE 19-02A	BEAUFORT	SA
RO-23330	PORT ROYAL SOUND OPPOSITE MOUTH OF CHECHESSEE RIVER	BEAUFORT	
RS-08076	BUCKHEAD CREEK AT US 21	COLLETON	FW
RT-01624	SKULL CREEK 3.0 MI NW OF CONFL W/ ATLANTIC OCEAN AND NORTH OF PRITCHARD'S ISLAND	BEAUFORT	SFH
RT-23022	EAST BRANCH OF UNNAMED CREEK OFF COOPER RIVER SOUTH OF BLUFF ISLAND	BEAUFORT	
RT-23025	UNNAMED CREEK OFF JEFFORD CREEK AT BIG BEND	COLLETON	
RT-23028	MOSQUITO CREEK APPROX 900 YARDS SE OF MOUTH OF MUSSELBORO CREEK	COLLETON	
RT-23032	BRANFORD CREEK NEAR CONFLUENCE WITH WIMBEE CREEK	BEAUFORT	
RT-23033	UNNAMED TRIBUTARY TO MCKAY CREEK APPROX 155 YARDS NORTH OF SHELLFISH SITE 20-20F	BEAUFORT	
RT-23037	EUHAW CREEK APPROX 370 YARDS ENE OF OLD RAILROAD TRACKS AROUND SHARP BEND	JASPER	

BASE SITES

CSTL-071	HORSESHOE CREEK AT SC 64	COLLETON	FW
CSTL-076	WHIPPY SWAMP AT S-25-13	HAMPTON	FW
CSTL-104	SALKEHATCHIE RIVER AT SC 63	COLLETON, HAMPTON	FW
CSTL-107	COOSAWHATCHIE RVR AT US 17 AT COOSAWHATCHIE	JASPER	FW, SFH
CSTL-120	LITTLE SALKEHATCHIE RIVER AT SC 63 -SNIDERS HWY	COLLETON	FW
CSTL-121	COOSAWHATCHIE RIVER AT SC 363	HAMPTON	FW

BASE SITES (CONT)

CSTL-122	CYPRESS CREEK AT S-27-108	JASPER	FW
CSTL-125	ASHEPOO RVR AT S-15-88, SEE SEE ROAD, SECOND BRIDGE FROM US 17A MAIN CHANNEL	COLLETON	FW
MD-001	BEAUFORT RVR AB BEAUFORT AT CHANNEL MARKER 231	BEAUFORT	SA
MD-004	BEAUFORT RVR AT JCT WITH BATTERY CK NR MARKER 42	BEAUFORT	SFH
MD-116	BROAD RVR AT SC 170 7.5 MI SW OF BEAUFORT	BEAUFORT	SFH
MD-117	CHECHESSEE RVR AT SC 170 10.5 MI SW OF BEAUFORT	BEAUFORT	SFH
MD-118	NEW RVR AT SC 170 9 MI W OF BLUFFTON	JASPER, BEAUFORT	SA
MD-119	EDISTO RVR MOVED FROM HWY17 BRIDGE TO PUBLIC WEST BANK LANDING JAN 2023	COLLETON, CHARLESTON	ORW, FW
MD-120	DAWHO RVR AT SC 174 9 MI N OF EDISTO BCH SP	CHARLESTON	ORW, SFH
MD-129	GREAT SWAMP AT U.S. 17	JASPER	SA
MD-173	MAY RVR 1.8 MI SE OF BLUFFTON OUT FROM END OF S-07-461	BEAUFORT	ORW, SFH
MD-174	BROAD CK OPPOSITE END OF S-07-80	BEAUFORT	SFH
MD-176	COLLETON RVR AT COLLETON NECK-AT JCT WITH CHECHESSEE RV	BEAUFORT	ORW, SFH
MD-252	COMBAHEE RVR OFF FIELDS POINT LANDING OFF END OF S-15-161	COLLETON, BEAUFORT	SFH
MD-253	ASHEPOO RIVER AT PUBLIC OYSTER GROUND -14-19	COLLETON	SFH
MD-256	UNNAMED CREEK BETWEEN HARBOR RIVER AND STORY RIVER -16-21	BEAUFORT	SFH
MD-257	RAMSHORN CREEK AT COOPER RIVER -19-03	BEAUFORT	ORW, SFH
MD-258	RAMSHORN CREEK AT NEW RIVER -19-07	JASPER, BEAUFORT	SFH, SA
MD-259	WRIGHT RIVER 1.5 MILES US FROM FIELDS CUT -19-20	JASPER	SA
MD-260	S EDISTO RVR AT NORTHERN CONFLUENCE WITH ALLIGATOR CREEK -13-20	CHARLESTON, COLLETON	ORW, SFH
MD-281	PARROT CREEK AND COOSAW RIVER MARKER #1 SHELLFISH 14-10	BEAUFORT	SFH
MD-282	MORGAN RIVER AT CONFLUENCE WITH WARSAW FLATSSHELLFISH 16A-35	BEAUFORT	SFH
SV-370	SAVANNAH RVR 0.2 MI UPSTREAM EBENEZER CK	JASPER, EFFINGHAM	FW

TEMPORARY REQUEST SITES

No sites for 2023

2023 LOWER SAVANNAH SITES

RANDOM SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RL-23034	J. STROM THURMOND LAKE LOCATED 0.26 MILES SSW FROM LITTLE RIVER SUBDIVISION BOAT RAMP AND 1.4 MILES SE OF HWY 378 BRIDGE.	MCCORMICK	FW
RL-23123	LAKE EDGAR BROWN LOCATED DIRECTLY 0.15 MILES NE OF RAMP C AND 0.12 MILES NE OF THE WELLINGTON RD BRIDGE.	BARNWELL	FW
RS-23054	UNNAMED TRIB TO ROSEMARY CREEK SMALL CULVERT ON SEVIN PINES RD/ STATE RD S-6-21	BARNWELL	FW
RS-23068	SUCKSAND BRANCH SMALL BRIDGE/CULVERT ON STATE RD S-38-1209/GOOD HOPE ROAD	ORANGEBURG	FW
RS-23095	BOLEN MILL CREEK AT NEESES HWY	ORANGEBURG	FW
RS-23102	HARD LABOR CREEK ZION CHAPEL RD 33 23	MCCORMICK	FW

BASE SITES

C-080	HALFWAY SWAMP CREEK AT S-9-157 SHERLOCK ROAD	CALHOUN	FW
CL-041	CLARKS HILL RESERVOIR IN FOREBAY NEAR DAM	MCCORMICK, COLUMBIA (GA)	FW
CL-069	LANGLEY POND IN FOREBAY NEAR DAM	AIKEN	FW
CSTL-048	SALKEHATCHIE RIVER AT U.S. 301 AND 321	ALLENDALE, BAMBERG	FW
CSTL-115	LITTLE SALKEHATCHIE RIVER AT U.S. 601	BAMBERG	FW
CSTL-116	LEMON CREEK AT S-05-541	BAMBERG	FW-SP
E-008A	N FORK EDISTO RVR AT S-38-63	ORANGEBURG	FW
E-011	S FORK EDISTO RVR AT SC 39	BARNWELL, ORANGEBURG	FW
E-012	S FORK EDISTO RVR AT S-38-39 BRIDGE	ORANGEBURG, BAMBERG	FW
E-050	COW CASTLE CK AT S-38-170	ORANGEBURG	FW
E-102	N FORK EDISTO RVR AT S-02-110	AIKEN, LEXINGTON	FW
E-103	BLACK CK AT S-32-53 -RAMBO BRIDGE	LEXINGTON	FW
E-104	N FORK EDISTO RVR AT S-38-73	ORANGEBURG	FW
E-111	FOUR HOLE SWAMP AT SC 210	ORANGEBURG	FW-SP
E-114	S FORK EDISTO RIVER AT S-02-53	AIKEN	FW
E-115	SANDY RUN AT CEMENT BRIDGE ROAD OFF GROOMS STREET	ORANGEBURG	FW
S-093	NINETY SIX CK AT SC 702 5.2 MI ESE OF 96	GREENWOOD	FW
S-123	LITTLE SALUDA RVR AT S-41-39 5.2 MI NE SALUDA	SALUDA	FW
S-324	CLOUDS CK AT US 378	SALUDA	FW
SV-192	LITTLE RIVER AT S-33-19	MCCORMICK	FW
SV-250	HORSE CK AT SC 125 1.5 MI SW CLEARWATER	AIKEN	FW
SV-318	LONG CANE CK AT S-33-117 7.0 MI NW MCCORMICK	MCCORMICK	FW

BASE SITES (CONT)

SV-325	UPPER THREE RUNS AT SRP ROAD A	AIKEN	FW
SV-350	HOLLOW CREEK AT S-02-5	AIKEN	FW
SV-352	TURKEY CREEK AT S-33-227/S-19-68	EDGEFIELD, MCCORMICK	FW
SV-354	STEVENS CREEK AT S-33-88/S-19-143	EDGEFIELD, MCCORMICK	FW
SV-365	STEVENS CREEK AT S-33-138	MCCORMICK	FW
SV-366	SAVANNAH RVR OFF JACKSON LANDING OFF END OF S-02-299	AIKEN, RICHMOND	FW
SV-367	SAVANNAH RIVER OFF LITTLE HELL LANDING OFF S-03-368	ALLENDALE, BURKE	FW
SV-368	SAVANNAH RVR OFF COHENS BLUFF LANDING OFF S-03-41	ALLENDALE, SCREVEN	FW
SV-371	HORN CK AT S-19-143	EDGEFIELD	FW
SV-372	STEPHENS CREEK RESERVOIR/SAVANNAH RIVER AT SC 28; WALK IN FROM GA SIDE	MCCORMICK	FW
SV-373	LOWER THREE RUNS CREEK AT S-03-66, ROCKY POINT ROAD	ALLENDALE	FW

TEMPORARY REQUEST SITES

RL-19154	LAKE MURRAY BIG CREEK ARM ACROSS LAKE FROM SHINNER LN	NEWBERRY	FW
RS-12077	UNNAMED TRIB TO PERSIMMON CREEK AT BRIDGE ON S-41-255; 6.5 MI NNE OF SALUDA	SALUDA	FW
S-112	MOORES CR. AT HWY. 178	SALUDA	FW
S-186	SALUDA RVR AT SC 34 6.5 MI ESE OF 96	GREENWOOD, NEWBERRY	FW
S-326	LAKE MURRAY CLOUDS CREEK ARM OFF RUBY RISER ROAD	SALUDA	FW
S-327	DAILEY CREEK AT S-41-192 DAILEY CREEK ROAD	SALUDA	FW
S-855	AT SR 122	SALUDA	FW

2023 PEE DEE SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RANDOM SITES			
PD-028	PEE DEE RVR AT SC 34 11 MI NE DARLINGTON	DARLINGTON, MARLBORO	FW
PD-069	LITTLE PEE DEE RVR AT SC 57 11.5 MI NW DILLON	DILLON	FW
RO-23321	WINYAH BAY APPROX 0.8 MILES SW OF GEORGETOWN LIGHTHOUSE	GEORGETOWN	FW
RO-23325	WINYAH BAY WESTERN CHANNEL APPROX 0.8 MILES NW OF MOUTH OF ESTHERVILLE MINIM CREEK CANAL	GEORGETOWN	FW
RS-23056	SPRING SWAMP ON JORDANVILLE RD	HORRY	FW
RS-23061	UNNAMED TRIB TO WILLOW CREEK AT MEGAN RD CULVERT PASSES UNDER ROAD	FLORENCE	FW
RS-23082	CATFISH CANAL WEST SELLERS ROAD	MARION	FW
RS-23092	SOUTH PRONG STERITT SWAMP GARDNER LACY ROAD	HORRY	FW
RS-23104	SOCASTEE SWAMP AT MCCORMICK RD	HORRY	FW
BASE SITES			
MD-077	SAMPIT RVR AT US 17	GEORGETOWN	SB
MD-085	INTRACOASTAL WTRWAY AT PT 3 MI N OF BRDG ON US 501	HORRY	FW
MD-107	KINGSTON LK NR PUMP STA ON LAKESIDE DR CONWAY	HORRY	FW
MD-125	INTRACOASTAL WTRWY -LITTLE RVR- ON SC 9 -US 17	HORRY	FW, SA
MD-127	INTRACOASTAL WTRWAY AT SC 544 7.5 MI SW OF MYRTLE BEACH	HORRY	FW
MD-138	WACCAMAW RVR AT CHANNEL MARKER 57	GEORGETOWN	FW-SP
MD-142	WACAMMAW RVR DS OF BUTLER ISLAND AT MARKER 86	GEORGETOWN	SA-SP
MD-145	WACCAMAW RVR 1 MI DS OF BUCKSVILLE LANDING AT BIG BEND IN RVR	HORRY	FW-SP
MD-275	PEE DEE RVR AT WHITE HOUSE PLANTATION	GEORGETOWN	SB-SP
MD-277	PARSONNAGE CREEK AT INLET PORT BASIN -04-17	GEORGETOWN	SFH
MD-278	WINYAH BAY MAIN CHANNEL; BUOY 19A RANGE E -05-20	GEORGETOWN	SB
PD-012	PEE DEE RVR AT US 1 NE CHERAW	MARLBORO, CHESTERFIELD	FW
PD-015	GREAT PEE DEE RVR AT US 15 AND 401	DARLINGTON, MARLBORO	FW
PD-038	LUMBER RVR AT US 76 AT NICHOLS	HORRY, MARION	FW
PD-043	POCOTALIGO RVR AT S-14-50 9.5 MI NE MANNING	CLARENDON	FW-SP
PD-052	LITTLE PEE DEE AT S-34-60	MARION	FW
PD-055	LITTLE PEE DEE RVR AT SC 9	DILLON	FW
PD-076	GREAT PEE DEE RVR AT US 378	FLORENCE, MARION	FW
PD-078	BLACK CREEK AT SC 327	FLORENCE	FW

BASE SITES (CONT)

PD-087	LAKE SWAMP AT SC 341 2.6 MI W OF JOHNSONVILLE	FLORENCE	FW-SP
PD-091	POCOTALIGO RVR AT US 15 3.5 MI S SUMTER	SUMTER	FW-SP
PD-093	LYNCHES RIVER AT S-21-55	FLORENCE	FW
PD-097	CATFISH CANAL AT S-34-34 6 MI SW OF MARION	MARION	FW-SP
PD-176	LAKE SWAMP AT S-26-99	HORRY	FW-SP
PD-201	ROCKY BLUFF SWAMP AT S-43-41	SUMTER	FW-SP
PD-203	PUDDING SWP AT SC 527 8.1 MI NW OF KINGSTREE	WILLIAMSBURG	FW-SP
PD-227	BLACK RVR AT S-45-35 8.6 MI NW OF KINGSTREE	WILLIAMSBURG	FW-SP
PD-231	JEFFRIES CK AT UN# RD 3.3 MI ESE OF CLAUSSEN	FLORENCE	FW-SP
PD-281	LYNCHES RVR AT S-21-49 5 MI NW JOHNSONVILLE	FLORENCE	FW
PD-325	BLACK RVR AT S-22-489 4 MI NE GEORGETOWN	GEORGETOWN	SA
PD-332	SPARROW SWAMP AT S-21-55 -MEADOW PRONG RD- NR JOHNSONS CROSSROADS	FLORENCE	FW-SP
PD-337	GREAT PEE DEE RVR AT US 301/76	FLORENCE, MARION	FW
PD-338	THOMPSON CK AT S-13-148 S OF CHERAW	CHESTERFIELD	FW
PD-349	BUCK SWAMP AT S-17-42	DILLON, MARION	FW-SP
PD-350	LITTLE PEE DEE RIVER OFF END OF S-26-135 AT PUNCHBOWL LANDING	HORRY, MARION	ORW, FW
PD-352	CHINNERS SWAMP AT GUNTERS ISLAND RD OFF S-26-99	HORRY	FW-SP
PD-353	BLACK RIVER AT S-43-57	SUMTER	FW-SP
PD-359	BLACK RIVER AT S-45-30	WILLIAMSBURG	FW-SP
PD-361	BLACK MINGO CREEK AT COWHEAD LANDING OFF SC 51	GEORGETOWN	FW
PD-365	LITTLE PEE DEE RIVER AT S-17-363	DILLON	FW
PD-370	BRUNSON SWAMP AT S-26-99	HORRY	FW
PD-371	SHOE HEEL CK AT S-17-70	DILLON	FW
PD-372	LEITH CK IN NC AT SC/NC 83	ROBESON	FW
PD-373	WACCAMAW RVR AT OLD SITE RS-02481 AT S-26-31 IN 0304020609	HORRY	FW-SP
ST-005	N SANTEE RVR AT US 17	GEORGETOWN	FW, SA

TEMPORARY REQUEST SITES

No sites for 2023

2023 SANTEE COOPER SITES

RANDOM SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RL-23024	LAKE MOULTRIE LOCATED 1.7 MILES WSW FROM AUGUSTUS M FLOOD BOAT RAMP AND 1.8 MILES W OF RICHARDSONS BOAT RAMP	BERKLEY	FW
RL-23027	LAKE MARION LOCATED DIRECTLY 0.96 MILES SE OF SANTEE STATE PARK BOAT RAMP	ORANGBURG	FW
RL-23031	LAKE MARION LOCATED 1.1 MILES NE OF TAYLOR'S LANDING AND CAMPGROUND.	CLARENDON, ORANGEBURG	FW
RL-23039	LAKE MARION LOCATED APPROXIMATELY 0.8 MILES N OF SC-005 AND APPROXIMATELY 0.1 MILES E OF NORTH TIP OF OXBOW ISLAND.	SUMTER	FW
SC-030	LAKE MOULTRIE AT CHANNEL MARKER 17 -SC-030	BERKELEY	FW

BASE SITES

CL-042	LAKE MARION FOREBAY; SPILLWAY MARKER 44 -SC-022	ORANGEBURG, CLARENDON	FW
CSTL-062	TAIL RACE CANAL AT US 52 AND 17A BELOW LAKE MOULTRIE -SC-033	BERKLEY	FW
CSTL-079	DIVERSION CANAL AT SC 45 12.6 MI W OF ST STEPHENS -SC-025	BERKELEY	FW
SC-005	UPPER LAKE MARION NEAR PACK'S LANDING	SUMTER	FW
ST-036	LAKE MARION; WYBOO CREEK ARM DS OF CLUBHOUSE BR -SC-023A	CLARENDON	FW
ST-037	LAKE MOULTRIE AT CHANNEL MARKER 17 -SC-030	BERKELEY	FW

TEMPORARY REQUEST SITES

No sites for 2023

2023 TRIDENT SITES

RANDOM SITES

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
RO-23317	FIVE FATHOM CREEK APPROX 400 M NE OF MOUTH OF LITTLE SETT CREEK	CHARLESTON	FW
RO-23318	ASHLEY RIVER APPROX 300 M E OF SC 7 BRIDGE	CHARLESTON	FW
RO-23322	ASHLEY RIVER APPROX680 M NE OF DRAYTON HALL DOWNSTREAM OF MD-049	CHARLESTON	FW
RO-23329	NORTH EDISTO RIVER APPROX 900 YARDS SE OF MOUTH OF WESTBANK CREEK NEAR WEST BANK	CHARLESTON	
RS-23060	UNNAMED TRIB TO LAUREL SWAMP SAMPLE SITE ADJACENT TO PLANTATION MEMORIAL GARDENS ON HWY 17A	BERKLEY	FW
RS-23063	FOUR HOLE SWAMP AT WIRE ROAD	DORCHESTER	FW-SP
RT-23023	SCHOONER CREEK SE OF OYSTER POINT	CHARLESTON	
RT-23024	UNNAMED TRIBUTARY TO KIAWAH RIVER AT WEST END OF JOHNS ISLAND SHELLFISH SITE 11-28	CHARLESTON	
RT-23026	VENNING CREEK NEAR MOUTH APPROX 130 YARDS WSW OF SHELLFISH SITE 07-01A	CHARLESTON	
RT-23027	OLDTOWN CREEK AT SHARP BEND	CHARLESTON	
RT-23030	SANTEE PATH CREEK NEAR MIDPOINT OF CREEK AT MOUTH OF SMALL CREEK	CHARLESTON	SFH
RT-23039	UNNAMED TRIBUTARY TO LIGHTHOUSE CREEK NEAR MOUTH OF TRIBUTARY APPROX 405 YARDS SE OF SHELLFISH SITE 10A-34A	CHARLESTON	FW
RT-23042	UNNAMED CREEK PART OF FERRY ROUTE TO BULL ISLAND	CHARLESTON	SB
RT-23043	SHEM CREEK ROUTINE SAMPLING OFF PRIVATE DOCK TBD	CHARLESTON	FW

BASE SITES

CSTL-102	ASHLEY RVR AT SC 165 4.8 MI SSW OF SUMMERVILLE	DORCHESTER	FW, SA
CSTL-113	WADBOO SWP AT SC 402	BERKELEY	FW
CSTL-123	EAST BR COOPER RVR AT BONNEAU FERRY PLANTATION	BERKELEY	
E-032	INDIAN FIELD SWAMP AT S-18-19	DORCHESTER	FW-SP
E-086	EDISTO RVR AT S-18-29	COLLETON, DORCHESTER	FW
E-109	POLK SWAMP AT S-18-19	DORCHESTER	FW-SP
E-116	FOUR HOLE SWAMP AT HORSEFORD ROAD S-18-56	DORCHESTER	FW-SP
MD-043	COOPER RVR AT CHANNEL MARKER 72 NEAR USN AMMO DEPOT	BERKELEY	SB
MD-045	COOPER RVR AB MOUTH OF SHIPYD CK AT CHANNEL BUOY 49	CHARLESTON, BERKELEY	SB

BASE SITES (CONT)

MD-049	ASHLEY RVR AT MAGNOLIA GARDENS	CHARLESTON	SA
MD-052	ASHLEY RVR AT SALRR BRDG	CHARLESTON	SA
MD-069	INTRACOASTAL WATERWAY AT SC 703 E MT PLEASANT	CHARLESTON	SB, SFH
MD-115	WANDO RVR AT SC 41	BERKELEY	SFH
MD-130	FOLLY RIVER AT SC 171	CHARLESTON	SFH
MD-202	STONO RVR AT S-10-20 2 MI UPSTRM OF CLEMSON EXP STA	CHARLESTON	SFH
MD-206	STONO RIVER AT ABBAPOOLA CREEK	CHARLESTON	SFH
MD-209	BOHICKET CK AT FICKLING CK	CHARLESTON	ORW, SFH
MD-248	COOPER RIVER AT MARK CLARK BRIDGE -I-526	CHARLESTON, BERKELEY	SB
MD-261	YONGES ISLAND CREEK; MARKER #90 -12-03	CHARLESTON	ORW, SFH
MD-262	N EDISTO RVR AT LEADENWAH CREEK -12-08	CHARLESTON	ORW, SFH
MD-264	WANDO RIVER AT I-526 MARK CLARK EXPRESSWAY -09B-15	CHARLESTON, BERKELEY	SFH
MD-266	CASINO CREEK AT CLOSURE LINE -06B-16	CHARLESTON	ORW, SFH
MD-267	FIVE FATHOM CREEK AT BULL RIVER -07-06A	CHARLESTON	SFH, SFH
MD-269	SEWEE BAY AT MOORES LANDING -08-09	CHARLESTON	SFH
MD-271	HAMLIN SOUND -08-02	CHARLESTON	SFH
MD-273	KIAWAH RIVER ON THE FLATS -11-21	CHARLESTON	SFH
ST-001	SANTEE RVR AT SC 41/US 17A NE OF JAMESTOWN	BERKELEY, WILLIAMSBURG	FW
ST-006	S SANTEE RVR AT US 17	CHARLESTON, GEORGETOWN	FW, SA
ST-016	SANTEE RVR AT US 52 6.5 MI NNW OF ST STEPHENS	BERKELEY, WILLIAMSBURG	FW

TEMPORARY REQUEST SITES

No sites for 2023

STATION ID	DESCRIPTION	COUNTY(S)	STREAM CLASS(ES)
APPALACHIA II INACTIVE SITES			
B-005	SOUTH TYGER RVR AT S-42-63	SPARTANBURG	FW
B-008	TYGER RVR AT S-42-50 E. WOODRUFF	SPARTANBURG	FW
B-012	MIDDLE TYGER RVR AT S-42-63	SPARTANBURG	FW
B-019	JIMMIES CK AT S-42-201 2 MI E OF WOODRUFF	SPARTANBURG	FW
B-020	FAIRFOREST CK AT US 221 S OF SPARTANBURG	SPARTANBURG	FW
B-021	FAIRFOREST CK AT SC 56	SPARTANBURG	FW
B-026	N PACOLET RVR AT S-42-956 6.5 MI E LANDRUM	SPARTANBURG	FW
B-028	PACOLET RVR AT S-42-55 BL JCT OF N AND S PACOLET R	SPARTANBURG	FW
B-035	DURBIN CK ON S-23-160 3 MI E OF SIMPSONVILLE	GREENVILLE	FW
B-037	ENOREE RVR AT S-42-118 SW OF WOODRUFF	LAURENS, SPARTANBURG	FW
B-038	LICK CK AT S-42-118 1 1/4 MI SW WOODRUFF	SPARTANBURG	FW
B-041	ENOREE RVR AT SC 49 SE OF WOODRUFF	LAURENS, SPARTANBURG	FW
B-097	DURBIN CREEK AT SC 418	LAURENS	FW
B-099A	ON # 1 INLET LK LANIER IN GREENVILLE CO	GREENVILLE	FW
B-099B	AT DAM LK LANIER IN GREENVILLE CO	GREENVILLE	FW
B-103	SPIVEY CK AT S-42-208 2.5 MI SSE OF LANDRUM	SPARTANBURG	FW
B-113	SPARTANBURG RESERVOIR #1 ON S-42-213 NE OF INMAN	SPARTANBURG	FW
B-148	MIDDLE TYGER RVR AT SC 14 2 MI SSW GOWANSVILLE	GREENVILLE	FW
B-149	S TYGER RVR AT SC 14 2.9 MI NNW OF GREER	GREENVILLE	FW
B-150	WARRIOR CK AT US 221; 8 MI NNE OF LAURENS	LAURENS	FW
B-162	NORTH TYGER RVR AT US 221 7.6 MI NNE OF WOODRUFF	SPARTANBURG	FW
B-163A	PACOLET RVR AT BRDG ON S-42-737 2.9 MI NW OF COWPENS	SPARTANBURG	FW
B-164	FAIRFOREST CK AT S-42-651 3.5 MI SSE OF SPARTANBURG	SPARTANBURG	FW
B-186	MOUNTAIN CK AT S-23-335	GREENVILLE	FW
B-191	POTTER BR ON RD 30 BL OUTFALL FROM HOUSING PROJ COWPENS	SPARTANBURG	FW
B-192	PRINCESS CREEK AT SUBER MILL RD; SECOND RD S OF US 29 OFF S-23-540	GREENVILLE	FW
B-219	N TYGER RVR AT US 29 7.2 MI W OF SPARTANBURG	SPARTANBURG	FW
B-221	LAWSONS FK CK AT S-42-40 BL INMAN MILL EFF	SPARTANBURG	FW
B-231	BEARDS FORK CK AT US 276 -I-385- 3.7 MI NNE OF CLINTON	LAURENS	FW
B-235	KELSEY CK AT S-42-321	SPARTANBURG	FW
B-241	GILDER CK AT S-23-142 2.75 MI ENE OF MAULDIN	GREENVILLE	FW
B-246	BEAVERDAM CK AT S-30-97; 7 MI NE OF GRAY COURT	LAURENS	FW
B-259	LITTLE BUCK CK AT UN# CO RD 2.3 MI SW OF CHESNEE	SPARTANBURG	FW

APPALACHIA II INACTIVE SITES (CONT)

B-263	S TYGER RVR AT SC 290 3.7 MI E OF GREER	SPARTANBURG	FW
B-277	LAWSONS FORK CK AT S-42-218 2.7 MI SSE OF INMAN	SPARTANBURG	FW
B-278	LAWSONS FORK CK AT UN# RD BL MILLIKEN CHEM	SPARTANBURG	FW
B-301	PAGE CK AT S-42-1258 1.7 MI SE LANDRUM	SPARTANBURG	FW
B-315	TRIB TO N TYGER RVR AT UN# RD BL JACKSON #2 EFF	SPARTANBURG	FW
B-317	MUSH CK AT SC 253 BL TIGERVILLE	GREENVILLE	FW
B-321	TRIB TO FAIRFOREST CK 200 FT BL S-42-65	SPARTANBURG	FW
B-331	PACOLET RVR AT S-42-59; BEACON LIGHT ROAD IN CLIFTON	SPARTANBURG	FW
B-340	LAKE BOWEN NEAR HEADWATERS; 0.4 KM W OF S-42-37	SPARTANBURG	FW
B-341	LAKE CUNNINGHAM IN FOREBAY NEAR DAM	GREENVILLE	FW
B-347	LAKE BLALOCK IN FOREBAY NEAR DAM	SPARTANBURG	FW
B-348	LAKE COOLEY IN FOREBAY NEAR DAM	SPARTANBURG	FW
B-735	DUNCAN CREEK RESERVOIR 6B IN FOREBAY NEAR DAM	LAURENS	FW
BE-001	ENOREE RVR AT UNNUM RD W US 25 N TRAVELERS REST	GREENVILLE	FW
BE-007	ROCKY CK AT BRDG IN BATESVILLE 1 MI AB JCT WITH ENOREE	GREENVILLE	FW
BE-009	BRUSHY CK AT S-23-164	GREENVILLE	FW
BE-015	ENOREE RVR AT CO RD 164	GREENVILLE	FW
BE-017	ENOREE RVR AT SC 296; 7.5 MI NE OF MAULDIN	GREENVILLE, SPARTANBURG	FW
BE-018	ENOREE RVR AT S-30-75	LAURENS, SPARTANBURG	FW
BE-020	GILDER CK AT S-23-143 1/4 MI AB JCT WITH ENOREE RVR	GREENVILLE	FW
BE-024	ENOREE RVR AT US 221	LAURENS, SPARTANBURG	FW
BE-035	BRUSHY CK AT HOWELL RD -S-23-273/335- APPROX 5 MI NE OF GREENVILLE -BIO B-798	GREENVILLE	FW
BE-039	BEAVERDAM CK AT RD 1967	GREENVILLE	FW
BE-040	GILDER CK AT SC 14-AB GILDERS CK PT	GREENVILLE	FW
BL-005	LAWSONS FORK CK AT S-42-79 AT VALLEY FALLS	SPARTANBURG	FW
BP-001	PACOLET RVR AB DAM AT PACOLET MILLS	SPARTANBURG	FW
CL-033	LAKE CRAIG 45 M NORTHWEST OF DAM	SPARTANBURG	FW
CL-035	LAKE JOHNSON AT SPILLWAY AT S-42-359	SPARTANBURG	FW
CL-100	LAKE J. ROBINSON; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	GREENVILLE	FW
S-005	BR OF GEORGES CK AT S-39-192; 2.6 MI NE EASLEY	PICKENS	FW
S-010	BROAD MOUTH CK AT US 76	ANDERSON	FW
S-013	REEDY RVR AT S-23-30 3.9 MI SE GREENVILLE	GREENVILLE	FW
S-018	REEDY RVR AT S-23-448 1.75 MI SE CONESTEE	GREENVILLE	FW

APPALACHIA II INACTIVE SITES (CONT)

S-034	LITTLE RVR AT US 76 BUS IN LAURENS ABOVE STP	LAURENS	FW
S-063	GEORGES CK AT US 123A - EASLEY	PICKENS	FW
S-067	BRUSHY CK ON GREEN ST EXT BL DUNEAN MILL ON SC 20	GREENVILLE	FW
S-070	REEDY RVR AT U.S. 76	LAURENS	FW
S-073	REEDY RVR AT UN# RD OFF US 276 .75 MI W TRAVELERS REST	GREENVILLE	FW
S-077	MIDDLE SALUDA RVR AT S-23-41	GREENVILLE	TN
S-084	BIG BRUSHY CK AT S-04-52 8.3 MI N WILLIAMSTON	ANDERSON	FW
S-086	MATTHEWS CK AT S-23-90	GREENVILLE	TN
S-087	SOUTH SALUDA RIVER AT S-23-101	GREENVILLE, PICKENS	FW
S-088	N SALUDA RVR AT S-23-42 5.2 MI NNW TIGERVILLE	GREENVILLE	ORW, FW
S-091	ROCKY CK AT S-23-453 3.5 MI SW OF SIMPSONVILLE	GREENVILLE	FW
S-097	LAKE GREENWOOD - CANE CK ARM AT SC 72 3.1 MI SW CROSS HILL	LAURENS	FW
S-103	OOLENOY RVR AT S-39-47	PICKENS	FW
S-134	HUFF CK AT S-23-331	GREENVILLE	FW
S-135	NORTH CK AT JCT WITH US 76 2.8 MI W OF CLINTON	LAURENS	FW
S-161	TRIB TO SALUDA RVR ON DURHAM ST BL CAROLINA PLATING	GREENVILLE	FW
S-171	GROVE CK AT UN# RD BELOW J P STEVENS ESTES PLANT	GREENVILLE	FW
S-178	HUFF CK AT SC 418 1.6 MI NW FORK SHOALS	GREENVILLE	FW
S-250	SALUDA LAKE AT FARRS BRDG ON SC 183 7 MI NE EASLEY	GREENVILLE, PICKENS	FW
S-252	MIDDLE SALUDA RVR AT SC 288 2.3 MI WSW SLATER	GREENVILLE	FW
S-264	LANGSTON CK AT SC 253	GREENVILLE	FW
S-267	TRIB TO SALUDA RVR 350 FT BL W PELZER STP ON S-23-53	ANDERSON	FW
S-289	BROAD MOUTH CK AT S-04-267	ANDERSON	FW
S-291	TABLE ROCK RESERVOIR AT WATER INTAKE	GREENVILLE, PICKENS	ORW, TPGT
S-292	NORTH SALUDA RESERVOIR AT WATER INTAKE	GREENVILLE	ORW, FW
S-296	LAKE RABON 300 FT US OF DAM	LAURENS	FW
S-297	LITTLE RVR AT SC ROUTE 127	LAURENS	FW
S-300	GEORGES CK AT S-39-28	PICKENS	FW
S-301	BIG BRUSHY CK AT S-04-143	ANDERSON	FW
S-302	BIG CK AT S-04-116	ANDERSON	FW
S-303	LAKE GREENWOOD 200 FT US OF DAM	GREENWOOD, NEWBERRY	FW
S-304	BROAD MOUTH CK AT S-01-111	ABBEVILLE	FW
S-307	LAKE GREENWOOD; RABON CK ARM; .8 KM N RD S-30-307	LAURENS	FW
S-312	LAKE RABON; S RABON CK ARM; AT S-30-312	LAURENS	FW
S-313	LAKE RABON; N RABON CK ARM; 2.5 MI US DAM	LAURENS	FW

APPALACHIA II INACTIVE SITES (CONT)

S-314	SALUDA LAKE; .5 MI US OF LANDING	GREENVILLE, PICKENS	FW
S-315	MILL CK AT BENT BRIDGE RD; BL CAROLINA PLATING	GREENVILLE	FW
S-316	MIDDLE SALUDA RVR AT US 276	GREENVILLE	FW
S-317	OIL CAMP CK AT S-23-097	GREENVILLE	TN
S-318	SOUTH SALUDA RVR AT SC 8	GREENVILLE, PICKENS	FW
S-320	SOUTH SALUDA RIVER AT S-39-113 -TABLE ROCK RD	GREENVILLE, PICKENS	FW
S-321	NORTH RABON CK AT S-30-32	LAURENS	FW
S-322	SOUTH RABON CK ON DIRT RD BETWEEN SC 101 AND S-30-76	LAURENS	FW
S-323	REEDY RVR AT S-23-316 3.5 MI SSW OF MAULDIN	GREENVILLE	FW
S-798	LAKE OOLENOY AT DRAIN NEAR SPILLWAY AT SC 11	PICKENS	FW
SV-015	TWELVE MI CK AT S-39-51 N OF NORRIS	PICKENS	FW
SV-017	EIGHTEENMILE CK AT UNNUMBERED CO RD 2.25 MI SSW OF EASLEY	PICKENS	FW
SV-031	ROCKY RVR AT S-04-263 2.7 MI SE ANDERSON AT STP	ANDERSON	FW
SV-037	BETSY CK AT S-04-259 BL FIBERGLAS OUTFALL	ANDERSON	FW
SV-041	ROCKY RVR AT S-04-152 BL ROCKY RVR STP	ANDERSON	FW
SV-043	CHEROKEE CK AT S-04-318 4 MI S OF BELTON	ANDERSON	FW
SV-052	SAWNEY CK AT CO RD 1.5 MI SE OF CALHOUN FALLS	ABBEVILLE	FW
SV-053B	BLUE HILL CK ON S MAIN ST ABBEVILLE	ABBEVILLE	FW
SV-100	LAKE RUSSELL AT SC 181 6.5 MI SW STARR	ANDERSON	FW
SV-106	MARTIN CK ARM OF LAKE HARTWELL AT S-37-65 N OF CLEMSON	OCONEE	FW
SV-107	LAKE HARTWELL - TWELVE MI CK ARM AT SC 133	PICKENS	FW
SV-108	CHOESTOEA CREEK AT S-37-49	OCONEE	FW
SV-135	EIGHTEENMILE CK AT S-39-93 S OF CENTRAL	ANDERSON, PICKENS	FW
SV-136	FIRST CK AFTER LEAVING CENTRAL AT CLVT ON MAW BRDG RD	PICKENS	FW
SV-139	CUPBOARD CK AT S-04-733 AB BREAZEALE ST PLANT AND BL BLAIR HILL	ANDERSON	FW
SV-140	CUPBOARD CK AT S-04-209 BL EFF FROM BELTON 2 PLANT	ANDERSON	FW
SV-141	BROADWAY CK AT US 76 BTWN ANDERSON AND BELTON	ANDERSON	FW
SV-164	LITTLE RIVER AT S-01-24	ABBEVILLE	FW
SV-181	6 AND 20 CK AT S-04-29 8.2 MI SE OF PENDLETON	ANDERSON	FW
SV-205	SIXMILE CREEK AT S-39-160	PICKENS	FW
SV-206	NORTH FORK AT US 178 2.9 MI N OF PICKENS	PICKENS	FW
SV-227	CHATTOOGA RVR AT SC 28 3.5 MI NW MT REST	OCONEE	ORW, FW

APPALACHIA II INACTIVE SITES (CONT)

SV-230	EASTATOE CREEK AT S-39-143	PICKENS	TPGT
SV-239	GOLDEN CK AT S-39-222 1.2 MI NW OF LIBERTY	PICKENS	FW
SV-241	WOODSIDE BR AT US 123 1.5 MI E OF LIBERTY	PICKENS	FW
SV-245	EIGHTEENMILE CK AT S-39-27 3.3 MI S OF LIBERTY	PICKENS	FW
SV-249	LAKE HARTWELL; KEOWEE RVR HEADWATERS AT SC 183 3.8 MI WSW SIX MILE	OCONEE, PICKENS	FW
SV-258	BROADWAY LAKE; NEALS CK ARM 50% BETWEEN BANKS AT GOLF COURSE	ANDERSON	FW
SV-282	TWELVE MILE CK AT S-39-273 2.8 MI SSW OF PICKENS	PICKENS	FW
SV-288	LK HARTWELL; SENECA RVR ARM AT USACE BUOY BTWN MRKRS S-28A AND S-29	ANDERSON	FW
SV-301	NORRIS CK AT S-37-435 1 MI S OF WESTMINSTER	OCONEE	FW
SV-308	E FK OF CHATTOOGA RVR AT SC 107 2 MI S OF ST LINE	OCONEE	ORW, FW
SV-311	LK KEOWEE AT SC 188 - CANE CK ARM 3.5 MI NW SENECA	OCONEE	FW
SV-312	LK KEOWEE AT SC 188 - CROOKED CK ARM 4.5 MI N SENECA	OCONEE	FW
SV-316	BIG GENEROSTEE CK AT CO RD 104	ANDERSON	FW
SV-319	BROADWAY LAKE; BROADWAY CK ARM UPSTREAM OF PUBLIC ACCESS	ANDERSON	FW
SV-321	BROADWAY LAKE FOREBAY; 50% BETWEEN SPILLWAY AND OPPOSITE LAND	ANDERSON	FW
SV-322	CONEROSS CK AT S-37-54 -LAKE HARTWELL	OCONEE	FW
SV-332	LK SECESSION APPROX 400 YDS ABOVE DAM	ABBEVILLE	FW
SV-333	CONEROSS CK AT S-37-13	OCONEE	FW
SV-334	LK JOCASSEE; MAIN BODY	OCONEE, PICKENS	TPGT
SV-337	LK JOCASSEE OUTSIDE COFFER DAM AT BAD CK PROJECT	OCONEE	TPGT
SV-341	LITTLE EASTATOE CREEK AT S-39-49	PICKENS	TPGT
SV-342	CANE CREEK AT S-37-133	OCONEE	FW
SV-343	LITTLE CANE CREEK AT S-37-133	OCONEE	FW
SV-345	BEAVERDAM CREEK AT S-37-66	OCONEE	FW
SV-346	ROCKY RIVER AT S-04-244	ANDERSON	FW
SV-347	WILSON CREEK AT S-04-294	ANDERSON	FW
SV-348	LITTLE RIVER AT S-01-32	ABBEVILLE	FW
SV-349	LONG CANE CREEK AT S-01-159	ABBEVILLE	FW
SV-358	LAKE YONAH; 50% BETWEEN CENTER OF SPILLWAY AND OPPOSITE SHORE	OCONEE, STEPHENS	FW

APPALACHIA II INACTIVE SITES (CONT)

SV-359	TUGALOO LAKE; FOREBAY EQUIDISTANT FROM SPILLWAY AND SHORELINES	OCONEE, HABERSHAM, RABUN	TPGT
SV-360	LAKE ISSAQUEENA; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	PICKENS	FW
SV-362	TWELVE MILE CK AT S-39-137	PICKENS	FW
SV-364	BEAVERDAM CREEK AT SC 243	ANDERSON	FW

ASP INACTIVE SITES

CSTL-075	LAKE GEORGE WARREN; BLACK CK ARM; AT S-25-41 5 MI SW OF HAMPTON	HAMPTON	FW
CSTL-124	BUSHY PARK RESERVOIR IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	BERKELEY	FW

CATAWBA INACTIVE SITES

B-051	TYGER RVR AT SC 72 5.5 MI SW OF CARLISLE	UNION	FW
B-056	CHEROKEE CK AT US 29 3 MI E OF GAFFNEY	CHEROKEE	FW
B-059	IRENE CK AT S-11-307 2.5 MI W OF GAFFNEY	CHEROKEE	FW
B-064	MENG CK AT SC 49 2.5 MI E OF UNION	UNION	FW
B-067A	TOSCHS CK AT S-44-75 2 MI SW OF UNION	UNION	FW
B-067B	TOSCHS CK AT ANIMAL SHELTER RD TO SEWAGE TP OFF SC 49 SW OF UNION	UNION	FW
B-074	DRY FORK AT S-12-304 2 MI SW OF CHESTER	CHESTER	FW
B-086	ROSS BR TO TURKEY CK AT SC 49 SW OF YORK	YORK	FW
B-088	CANOE CK AT S-11-245 1/2 MI W OF BLACKSBURG	CHEROKEE	FW
B-095	THICKETTY CREEK AT S-11-164	CHEROKEE	FW
B-100	PEOPLES CK AT S-11-50 6 MI E OF GAFFNEY	CHEROKEE	FW
B-119	BUFFALO CREEK AT S-11-213; 2.2 MI NNW OF BLACKSBURG	CHEROKEE	FW
B-128	LIMESTONE CK AT S-11-301	CHEROKEE	FW
B-133	THICKETTY CK AT SC 18 8.3 MI S OF GAFFNEY	CHEROKEE	FW
B-155	BROWNS CK AT S-44-86; 8 MI E OF UNION	UNION	FW
B-199	MITCHELL CK AT CO RD 233 2.3 MI SSW OF JONESVILLE	UNION	FW
B-211	PEOPLES CK AT UNIMPROVED RD 2.3 MI E OF GAFFNEY	CHEROKEE	FW
B-243	TRIB TO MENG CK AT CLVT ON S-44-384 3 MI E OF UNION	UNION	FW
B-286	TINKER CK AT RD TO STP 1.3 MI SSE OF UNION	UNION	FW
B-287	TINKER CK AT UN# CO RD 1.7 MI SSE OF UNION	UNION	FW
B-323	DOOLITTLE CK AT S-11-100 1.25 MI SE OF BLACKSBURG	CHEROKEE	FW

CATAWBA INACTIVE SITES (CONT)

B-325	CLARK FORK INTO CRAWFORD LK ON UN# RD NEAR SC 161 AND 705-KINGS MT	YORK	FW
B-326	LONG BRANCH ON SC 216 BL KINGS MTN PK REC AREA	YORK	FW
B-330	GUYONMOORE CREEK AT S-46-233	YORK	FW
B-334	GILKEY CK AT S-11-231; 9 MI SE OF GAFFNEY	CHEROKEE	FW
B-335	GREGORYS CK AT S-44-86; 8 MI E OF UNION	UNION	FW
B-336	TINKER CK AT S-44-278; 9 MI SSE OF UNION	UNION	FW
B-342	LAKE THICKETTY IN FOREBAY NEAR DAM	CHEROKEE	FW
B-343	LAKE CHEROKEE IN FOREBAY NEAR DAM	CHEROKEE	FW
B-344	LAKE JOHN D. LONG IN FOREBAY NEAR DAM	UNION	FW
B-351	BROAD RVR AT SANDY AND BROAD RVR BOAT RAMP	CHESTER, UNION	FW
B-737	LAKE YORK IN KINGS MOUNTAIN STATE PARK	YORK	FW
BF-007	FAIRFOREST CK ON CO RD 12 SW OF JONESVILLE	UNION	FW
CL-021	LAKE OLIPHANT; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	CHESTER	FW
CL-023	CHESTER STATE PARK LAKE 100 M EAST OF SPILLWAY	CHESTER	FW
CL-086	LAKE WALLACE; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	MARLBORO	FW
CL-088	JUNIPER LAKE; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	CHESTERFIELD	FW
CL-094	LK ROBINSON IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES FROM PRIVATE ACCESS	DARLINGTON	FW-SP
CW-002	ROCKY CK AT S-12-335 3.5 MI E OF CHESTER	CHESTER	FW
CW-005	FISHING CK AT S-46-347 DS YORK WWTP	YORK	FW
CW-006	WILDCAT CK AT S-46-650	YORK	FW
CW-008	FISHING CK AT SC 223 NE RICHBURG	CHESTER	FW
CW-009	STEELE CK AT S-46-22 N OF FORT MILL	YORK	FW
CW-011	STEELE CK AT S-46-270	YORK	FW
CW-013	SUGAR CK AT SC 160 E OF FORT MILL	LANCASTER, YORK	FW
CW-023	CROWDERS CK AT S-46-564 NE CLOVER	YORK	FW
CW-024	CROWDERS CREEK AT S-46-1104	YORK	FW
CW-027	LK WYLIE; CROWDERS CK ARM AT SC 49 AND SC 274	YORK	FW
CW-029	FISHING CK AT SC 49 NE YORK	YORK	FW
CW-047	GILLS CK AT US 521 NNW OF LANCASTER	LANCASTER	FW
CW-064	MCALPINE CK AT S-29-64	LANCASTER	FW
CW-088	GRASSY RUN BR AT SC 72 1.6 MI NE CHESTER	CHESTER	FW

CATAWBA INACTIVE SITES (CONT)

CW-096	WILDCAT CK AT S-46-998 9 MI ENE OF MCCONNELLS	YORK	FW
CW-105	BROWN CREEK AT S-46-228 -GUINN ST-; 0.3 MI WEST OF OLD NORTH MAIN STREET IN CLOVER; SC	YORK	FW
CW-131	BEAR CK AT S-29-292 1.6 MI W OF LANCASTER	LANCASTER	FW
CW-134	CALABASH BR AT S-46-414 2.5 MI SE OF CLOVER	YORK	FW
CW-145	WAXHAW CK AT S-29-29	LANCASTER	FW
CW-151	BEAR CK AT S-29-362 3.5 MI SE OF LANCASTER	LANCASTER	FW
CW-152	CROWDERS CK AT US 321 0.5 MI N OF NC ST LINE	YORK	FW
CW-153	BEAVERDAM CK AT S-46-152 8 MI E OF CLOVER	YORK	FW
CW-171	ALLISON CK AT US 321 3.1 MI S OF CLOVER	YORK	FW
CW-175	CEDAR CK RESERVOIR/ROCKY CK AT S-12-141 SE OF GREAT FALLS	CHESTER	FW
CW-176	SIXMILE CREEK AT S-29-54	LANCASTER	FW
CW-185	CANE CK AT SC 200 5 MI NNE OF LANCASTER	LANCASTER	FW
CW-192	SOUTH FORK CROWDERS CK AT S-46-79 4.5 MI NW OF CLOVER	YORK	FW
CW-198	LAKE WYLIE OUTSIDE MOUTH OF CROWDERS CK ARM	YORK	FW
CW-200	LK WYLIE AT SC 274 9 MI NE OF YORK	YORK	FW
CW-203	STEELE CK AT S-46-98	YORK	FW
CW-212	TOOLS FORK AT S-46-195 7 MI NW OF ROCK HILL	YORK	FW
CW-213	BIG PINE TREE CK AT I-20	KERSHAW	FW
CW-214	WATEREE RVR AT I-20	KERSHAW	FW
CW-221	UNNAMED TRIB TO CATAWBA RVR AT HWY 161 0.4 MI W OF I-77	YORK	FW
CW-224	FISHING CREEK AT S-46-163	YORK	FW
CW-225	FISHING CREEK AT S-46-503	YORK	FW
CW-226	MCALPINE CREEK AT US 521; NC	LANCASTER	FW
CW-227	NEELYS CREEK AT 2-46-997	YORK	FW
CW-232	RUM CK AT S-29-187	LANCASTER	FW
CW-234	TINKERS CK AT S-12-599	CHESTER	FW
CW-235	CAMP CK AT SC 97	LANCASTER	FW
CW-245	LAKE WYLIE; CROWDERS CK ARM AT FIRST POWERLINES US OF MAIN POOL	YORK	FW
CW-246	SUGAR CK US OF CONFLUENCE W/ MCALPINE CK	YORK, LANCASTER	FW
CW-247	SUGAR CK AT MECKLENBURG CO ROAD 51 -IN N.C.	MECKLENBURG	FW
CW-248	LITTLE SUGAR CK AT US 521 -IN N.C.	MECKLENBURG	FW
PD-001	LYNCHES RIVER AT SC 265	CHESTERFIELD, LANCASTEI	FW

CATAWBA INACTIVE SITES (CONT.)

PD-004	BLACK CK AT S-13-43 1 MI NE NICEY GROVE	CHESTERFIELD	FW
PD-005	TODD'S BR AT S-29-564 1.5 MI NE OF KERSHAW	LANCASTER	FW
PD-006	LITTLE LYNCHES RVR AT US 601 2 MI NE KERSHAW	LANCASTER	FW
PD-063	CROOKED CREEK AT SC 912	MARLBORO	FW
PD-067	FORK CK AT SC 151	CHESTERFIELD	FW
PD-068	FORK CK AT UN# RD 1.5 MI SW JEFFERSON	CHESTERFIELD	FW
PD-080	LYNCHES RVR AT S-28-15 4.5 MI SE BETHUNE	KERSHAW, DARLINGTON	FW
PD-109	LITTLE LYNCHES RIVER AT SC 341; 4 MI SE OF KERSHAW	KERSHAW, LANCASTER	FW
PD-113	LYNCHES RVR AT SC 9 W OF PAGELAND	CHESTERFIELD, LANCASTEI	FW
PD-151	CEDAR CREEK AT US 52	CHESTERFIELD, DARLINGTC	FW
PD-152	THOMPSON CK AT US 1 2.2 MI SW OF CHERAW	CHESTERFIELD	FW
PD-179	N BR WILDCAT CK AT S-29-39 1 MI S OF TRADESVILLE	LANCASTER	FW
PD-180	S BR WILDCAT CK AT S-29-39 2 MI S OF TRADESVILLE	LANCASTER	FW
PD-191	WHITE CREEKS AT US 1	MARLBORO	FW
PD-215	LITTLE FORK CK AT S-13-265 1.5 MI SW JEFFERSON	CHESTERFIELD	FW
PD-246	THOMPSON CK AT S-13-243 0.8 MI NE OF CHESTERFIELD	CHESTERFIELD	FW
PD-247	THOMPSON CK AT SC 9 1.5 MI ESE OF CHESTERFIELD	CHESTERFIELD	FW
PD-328	HANGING ROCK CK AT S-29-764 1.6 MI S OF KERSHAW	LANCASTER	FW
PD-329	LICK CK AT S-29-13 ABOVE KERSHAW PT	LANCASTER	FW
PD-333	HILLS CREEK AT S-13-105	CHESTERFIELD	FW
PD-334	HAILE GOLD MINE CREEK AT S-29-188	LANCASTER	FW
PD-335	HORTON CREEK AT S-29-95	LANCASTER	FW
PD-339	WESTFIELD CREEK AT US 52	CHESTERFIELD	FW
PD-340	JUNIPER CREEK AT S-13-494	CHESTERFIELD	FW
PD-342	FLAT CREEK AT S-29-123	LANCASTER	FW
PD-343	LITTLE LYNCHES RIVER AT S-28-42	KERSHAW	FW
PD-366	HILLS CREEK AT S-13-545	CHESTERFIELD	FW

CENTRAL MIDALNDS INACTIVE SITES

B-077	WINNSBORO BR BELOW PLANT OUTFALL	FAIRFIELD	FW
B-102	JACKSON CK AT S-20-54; 5 MI W OF WINNSBORO	FAIRFIELD	FW
B-110	ELIZABETH LAKE AT SPILLWAY ON US 21	RICHLAND	FW
B-123	WINNSBORO BR AT US 321-AB WINNSBORO MILLS OUTFALL	FAIRFIELD	FW
B-145	LITTLE RVR AT S-20-60 3.1 MI SE OF JENKINSVILLE	FAIRFIELD	FW
B-236	BROAD RVR AT SO. RR TRESTLE; 0.5 MI DS OF SC 213	FAIRFIELD	FW
B-280	SMITH BR AT N MAIN ST -US 21- IN COLA	RICHLAND	FW
B-316	CRANE CK AT S-40-43 UNDER I-20 - N COLA	RICHLAND	FW

CENTRAL MIDALNDS INACTIVE SITES (CONT)

B-328	MONTICELLO LK-UPPER IMPOUNDMENT AT BUOY IN MIDDLE OF LAKE	FAIRFIELD	FW
B-338	MILL CK AT S-20-48; 10 MI SW OF WINNSBORO	FAIRFIELD	FW
B-346	PARR RESERVOIR 4.8 KM N OF DAM; UPSTREAM MONTICELLO RESERVOIR	NEWBERRY, FAIRFIELD	FW
C-005	SIXMILE CK ON US 21 S OF CAYCE	LEXINGTON	FW
C-007E	CONGAREE RVR AT MOSS CAMP -OLD USGS GAGE ON RT BANK	RICHLAND, CALHOUN	FW
C-007H	CONGAREE RVR 1.5 MI DS BATES MILL CK	RICHLAND, CALHOUN	FW
C-008	CONGAREE CK AT US 21 AT CAYCE WATER INTAKE	LEXINGTON	FW
C-009	SANDY RUN AT US 176	CALHOUN	FW
C-021	MILL CK AT SC 262	RICHLAND	FW
C-022	MILL CK AT US 76 AT PINEWOOD LK 8 MI SE OF COLA	RICHLAND	FW
C-025	SIXMILE CK AT SC 602 PLATT SPRINGS RD	LEXINGTON	FW
C-048	WINDSOR LK SPILLWAY ON WINSDOR LK BLVD	RICHLAND	FW
C-058	LK INSPIRATION - ST MATTHEWS -FRONT OF HEALTH DEPT	CALHOUN	FW
C-061	SAVANA BR AT S-32-72 1.7 MI NNW OF S CONGAREE	LEXINGTON	FW
C-063	HALFWAY SWP CK AT S-09-43 3 MI E OF ST MATTHEWS	CALHOUN	FW
C-066	RED BANK CK AT S-32-244	LEXINGTON	FW
C-067	RED BANK CK AT SANDY SPRINGS RD BTWN S-32-104 AND SC 602	LEXINGTON	FW
C-068	FOREST LAKE AT DAM	RICHLAND	FW
C-069	CEDAR CREEK AT S-40-66	RICHLAND	FW
C-071	CEDAR CK AT S-40-734	RICHLAND	FW
C-073	REEDER POINT BR AT SC 48	RICHLAND	FW
CL-078	ADAMS MILLPOND; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	KERSHAW	FW
CL-083	LK MURRAY IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	LEXINGTON	FW
CW-040	LITTLE WATEREE CK AT S-20-41 5 MI E OF WINNSBORO	FAIRFIELD	FW
CW-079	SAWNEYS CK AT S-28-37	KERSHAW	FW
CW-080	TWENTYFIVE MILE CK AT S-28-5 3.7 MI W OF CAMDEN	KERSHAW	FW
CW-082	SWIFT CK AT S-28-12	KERSHAW	FW
CW-154	KELLY CK AT S-28-367 2.9 MI SE OF ELGIN	KERSHAW	FW
CW-155	SPEARS CK AT SC 12 3.6 MI SE OF ELGIN	KERSHAW	FW
CW-166	SPEARS CK AT US 601	KERSHAW	FW
CW-209	LK WATEREE AT SMALL ISLAND 2.3 MI N OF DAM	KERSHAW	FW

CENTRAL MIDALNDS INACTIVE SITES (CONT)

CW-223	LITTLE PINE TREE CREEK AT S-28-132	KERSHAW	FW
CW-228	SAWNEYS CK AT S-20-151	FAIRFIELD	FW
CW-229	BEAR CK AT S-40-82	RICHLAND	FW
CW-237	GRANNIES QUARTER CK AT SC 97	KERSHAW	FW
CW-238	SWIFT CK AT SC 261	KERSHAW	FW
CW-240	COLONELS CK AT US 601	RICHLAND	FW
CW-241	HALFWAY SWP CK AT S-09-72	CALHOUN	FW
CW-242	UNNAMED TRIB TO HALFWAY SWAMP CK AT S-09-158	CALHOUN	FW
CW-244	JACKS CK AT S-14-76 -SC-013	CLARENDON	FW
CW-250	COLONELS CK AT SC 262	RICHLAND	FW
E-034	BULL SWP CK AT CLVT ON UNIMP RD 1.1 MI NW OF SWANSEA	LEXINGTON	FW
E-035	BULL SWP CK AT US 321 0.9 MI S OF SWANSEA	LEXINGTON	FW
E-101	LIGHTWOOD KNOT CK OFF S-32-77 AT BATESBURG WATER INTAKE	LEXINGTON	FW
S-038	LITTLE RVR AT SC 560	LAURENS	FW
S-042	BUSH RIVER AT SC 560 S OF JOANNA	NEWBERRY, LAURENS	FW
S-044	SCOTT CK AT SC 34 SW OF NEWBERRY	NEWBERRY	FW
S-099	LITTLE RVR AT S-36-22 8.3 MI NW SILVERSTREET	NEWBERRY	FW
S-149	SALUDA RVR AT MEPCO ELECT. PLANT WATER INTAKE SSE IRMO	LEXINGTON	TPGT-SP
S-150	LORICK BR AT PT UPSTRM OF JCT WITH SALUDA RVR	LEXINGTON	FW
S-152	SALUDA RVR JUST BELOW LK MURRAY DAM	LEXINGTON	TPGT-SP
S-204	LK MURRAY AT DAM AT SPILLWAY -MARKER 1	LEXINGTON	FW
S-212	MACEDONIA LANDING LK MURRAY AT END OF S-36-26 MACEDONIA	NEWBERRY	FW
S-260	KINLEY CK AT S-32-36 -ST. ANDREWS RD- IN IRMO	LEXINGTON	FW
S-273	LK MURRAY AT MARKER 166	LEXINGTON	FW
S-274	LK MURRAY AT MARKER 143	LEXINGTON, RICHLAND	FW
S-290	CAMPING CK S-36-202 BLW GA PACIFIC	NEWBERRY	FW
S-294	TWELVEMILE CREEK AT U.S. ROUTE 378	LEXINGTON	FW
S-306	HOLLOW CK AT S-32-54	LEXINGTON	FW
SC-001	CONGAREE RVR AT US 601 -SC-001	CALHOUN, RICHLAND	FW
SC-002	WATEREE RIVER 1.6 MI US CONFLUENCE WITH CONGAREE - NEAR SC-002	RICHLAND, SUMTER	FW
SC-013	JACKS CK AT S-14-76 -SC-013	CLARENDON	FW
SC-018	TAWCAW CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-018	CLARENDON	FW
SC-020	POTATO CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-020	CLARENDON	FW

CENTRAL MIDALNDS INACTIVE SITES (CONT)

SC-047	BIG BRANCH AT S-14-41 -SC-047	CLARENDON	FW
ST-018	TAWCAW CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-018	CLARENDON	FW
ST-035	POTATO CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-020	CLARENDON	FW

LOWER SAVANNAH INACTIVE SITES

CL-039	LITTLE RIVER ARM OF CLARKS HILL RESERVOIR	MCCORMICK	FW
CL-040	CLARKS HILL RESERVOIR HEADWATERS -SAVANNAH RVR	MCCORMICK, ELBERT, GA, I	FW
CL-064	LAKE EDGAR BROWN IN FOREBAY NEAR DAM	BARNWELL	FW
CL-067	VAUCLUSE POND IN FOREBAY NEAR DAM	AIKEN	FW
CSTL-001B	TURKEY CK 1 MI BL MILLIKEN BARNWELL OUTFALL AT CLINTON ST.	BARNWELL	FW
CSTL-003	SALKEHATCHIE RVR AT SC 278 2.5 MI S BARNWELL	BARNWELL	FW
CSTL-006	SALKEHATCHIE RVR AT 601 9 MI NE HAMPTON	COLLETON, HAMPTON	FW
CSTL-028	SALKEHATCHIE RVR AT SC 64 2 MI W OF BARNWELL	BARNWELL	FW
CSTL-110	COOSAWHATCHIE RVR AT S-03-47	ALLENDALE	FW
CSTL-117	LITTLE SALKEHATCHIE RIVER AT SC 64	COLLETON	FW
CSTL-118	WILLOW SWAMP AT S-15-27	COLLETON	FW
CSTL-119	BUCKHEAD CREEK AT SC 212	COLLETON	FW
CW-243	BIG BRANCH AT S-14-41 -SC-047	CLARENDON	FW
E-001	FIRST BR AT BRDG ADJACENT TO WTR PLT AT JOHNSTON AT S-19-41	EDGEFIELD	FW
E-002	S FORK EDISTO RVR AT S-19-57 BL JOHNSTON SWR OUTFALL	EDGEFIELD	FW
E-007	N FORK EDISTO RVR AT US 601 AT ORANGEBURG	ORANGEBURG	FW
E-007A	N FORK EDISTO RVR AT POWER LINE CROSSING 2 MI BL E-007	ORANGEBURG	FW
E-007B	N FORK EDISTO RVR 4 MI BL E-007 AT A CABIN	ORANGEBURG	FW
E-007C	N FORK EDISTO RVR AT THE END OF LIVINGSTON LANDING ROAD - WADE OUT TO RIVER CHANNEL	ORANGEBURG	FW
E-008	N FORK EDISTO RVR AT S-38-39 WSW OF ROWESVILLE	ORANGEBURG	FW
E-013	EDISTO RVR AT US 78 W OF BRANCHVILLE	BAMBERG, ORANGEBURG	FW
E-013A	EDISTO RVR AT US 21	BAMBERG, ORANGEBURG	FW
E-021	S FORK EDISTO RVR AT SC 302	AIKEN	FW
E-022	GRAMLING CK AT CLVT ON SC 33 2 MI E OF ORANGEBURG	ORANGEBURG	FW-SP
E-030	DEAN SWAMP AT US 176	BERKELEY, ORANGEBURG	FW
E-036	GOODLAND CK AT SC 4 2.1 MI E OF SPRINGFIELD	ORANGEBURG	FW
E-039	ROBERTS SWAMP AT SC 332	ORANGEBURG	FW
E-042	BULL SWAMP CK AT S-38-189	ORANGEBURG	FW

LOWER SAVANNAH INACTIVE SITES (CONT)

E-051	PROVIDENCE SWP AT E FRONTAGE RD TO I-95 NW OF HOLLY HILL	ORANGEBURG	FW
E-052	HORSE RANGE SWAMP AT US 176	ORANGEBURG	FW
E-059	FOUR HOLE SWP AT S-38-50 5.2 MI SE OF CAMERON	ORANGEBURG, CALHOUN	FW-SP
E-076	LITTLE BULL CK CK AT SC 33-BL UTICA TOOL CO	ORANGEBURG	FW
E-084	N FORK EDISTO RVR AT S-02-74	AIKEN, LEXINGTON	FW
E-090	S FORK EDISTO RVR AT US 1 12 MI NE AIKEN	AIKEN	FW
E-091	CHINQUAPIN CREEK AT SC 391 5.5 MI S BATESBURG	AIKEN, LEXINGTON	FW
E-092	N FORK EDISTO RVR AT SC 3 5.5 MI NW NORTH	ORANGEBURG	FW
E-094	SHAW CREEK AT S-02-26 4.2 MI NE AIKEN	AIKEN	FW
E-099	N FORK EDISTO RVR AT S-38-74 NW ORANGEBURG	ORANGEBURG	FW
E-105	CAW CAW SWAMP AT S-38-1032 -1148?	ORANGEBURG	FW-SP
E-106	SHAW CK AT S-02-576	AIKEN	FW
E-107	DEAN SWAMP CK AT SC 4	ORANGEBURG	FW
E-108	CATTLE CK AT S-18-19	DORCHESTER	FW
E-112	FOUR HOLE SWAMP AT SC 453	DORCHESTER, ORANGEBUR	FW-SP
E-113	S FORK EDISTO RVR AT S-02-152	AIKEN	FW
S-050	LITTLE SALUDA RVR AT US 378 E SALUDA	SALUDA	FW
S-092	CORONACA CK AT S-24-100 4 MI NW OF 96	GREENWOOD	FW
S-113	CLOUDS CK AT S-41-25	SALUDA	FW
S-186	SALUDA RVR AT SC 34 6.5 MI ESE OF 96	GREENWOOD, NEWBERRY	FW
S-233	WILSON CK AT S-24-101	GREENWOOD	FW
S-235	WILSON CK AT S-24-124	GREENWOOD	FW
S-255	CLOUDS CK AT S-41-26 4 MI NW BATESBURG	SALUDA	FW
S-295	SALUDA RIVER AT S.C. ROUTE 39	SALUDA, NEWBERRY	FW
SV-068	BEAVERDAM CK AT S-19-35 3.8 MI NW OF EDGEFIELD	EDGEFIELD	FW
SV-069	SAND RVR AT OLD US 1 1.2 MI SE WARRENVILLE	AIKEN	FW
SV-071	HORSE CK AT S-02-104 0.6 MI SW GRANITEVILLE	AIKEN	FW
SV-072	HORSE CK AT S-02-145	AIKEN	FW
SV-073	LITTLE HORSE CK AT SC 421 BL EFF OF CLEARWTR FIN	AIKEN	FW
SV-096	HORSE CK BELOW LANGLEY POND AT S-02-254	AIKEN	FW
SV-118	SAVANNAH RVR AT US 301 12.5 MI SW ALLENDALE	ALLENDALE	FW
SV-151	HARD LABOR CREEK AT S-24-164 BRIDGE	GREENWOOD	FW
SV-175	LOWER THREE RUNS CK AT SC 125 11 MI NW OF ALLENDALE	ALLENDALE	FW
SV-251	SAVANNAH RVR AT US 1 1.5 MI SW N. AUGUSTA	AIKEN	FW

LOWER SAVANNAH INACTIVE SITES (CONT)

SV-252	SAVANNAH RVR AT SC 28 1.6 MI NNW OF BEECH ISLAND	AIKEN	FW
SV-291	CLARKS HILL RESERVOIR AT US 378 7 MI SW MCCORMICK	MCCORMICK	FW
SV-294	STEVENS CK RESERVOIR HEADWATERS AT CLARKS HILL DAM BOAT RAMP	MCCORMICK	FW
SV-323	SAVANNAH RVR AT LOCK AND DAM	AIKEN	FW
SV-324	TIMS BR AT SRP ROAD C	AIKEN	FW
SV-326	FOURMILE BRANCH AT SRP ROAD A-7	BARNWELL	FW
SV-327	STEEL CK AT SRP ROAD A	BARNWELL	FW
SV-328	LOWER THREE RUNS CK AT S-06-20 7.5 MI SW BARNWELL	BARNWELL	FW
SV-329	HORSE CREEK AT ASCAUGA LAKE RD -S-02-33- IN GRANITEVILLE	AIKEN	FW
SV-330	STEVENS CREEK AT S-33-21	MCCORMICK	FW
SV-351	CUFFYTOWN CREEK AT S-33-138	MCCORMICK	FW
SV-353	BEAVERDAM CREEK AT FOREST SERVICE ROAD 621 OFF S-19-68	EDGEFIELD	FW
SV-686	FLAT ROCK POND IN FOREBAY NEAR DAM	AIKEN	FW
SV-722	GRANITEVILLE POND #2 IN FOREBAY NEAR DAM	AIKEN	FW

LOW COUNTRY INACTIVE SITES

CL-062	LAKE WARREN IN FOREBAY NEAR DAM	HAMPTON	FW
CSTL-010	SANDERS BR AT SC 278	HAMPTON	FW-SP
CSTL-011	SANDERS BR AT S-25-50	HAMPTON	FW-SP
CSTL-044	IRELAND CK AT S-15-116 5 1/2 MI N OF WALTERBORO	COLLETON	FW
CSTL-068	ASHEPOO RVR AT SC 303 10 MI SSW OF WALTERBORO	COLLETON	FW, SFH
CSTL-069	ASHEPOO RVR AT US 17 3.4 MI ESE OF GREEN POND	COLLETON	SFH
CSTL-098	COMBAHEE RVR AT US 17 10 MI ESE YEMASSEE	BEAUFORT, COLLETON	FW, SFH
CSTL-108	SANDERS BRANCH AT SC RD 363	HAMPTON	FW-SP
CSTL-109	COOSAWHATCHIE RVR AT S-25-27 2.5 MI SW CUMMINGS	HAMPTON	FW
CSTL-111	COMBAHEE RVR BL YEMASSEE SEWAGE OUTFALL	COLLETON, BEAUFORT	FW
MD-002	BEAUFORT RVR AT DRAWBRDG ON US 21	BEAUFORT	SA
MD-003	BEAUFORT RVR BL BEAUFORT AT CHANNEL MARKER 244	BEAUFORT	SA
MD-005	BEAUFORT RVR BL OUTFALL OF PARRIS ISL MB AT BUOY 29	BEAUFORT	SFH
MD-006	PORT ROYAL BTWN BUOY 25 AND 24 W OF BAY PT ISLAND	BEAUFORT	SFH
MD-007	POCOTALIGO RVR AT US 17 AT POCOTALIGO	BEAUFORT, JASPER	SFH
MD-012	MOUTH OF BROAD RVR OPPOSITE BALLAST CK	BEAUFORT	SFH

LOW COUNTRY INACTIVE SITES (CONT)

MD-013	MOUTH OF SKULL CK BTWN CHANNEL MARKERS 3 AND 4 NEAR REDBO	BEAUFORT	SFH
MD-016	MOUTH OF MAY RVR 1.0 MI W OF CHANNEL MARKER 29	BEAUFORT	ORW, SFH
MD-128	BEES CK AT SC 462 5.9 MI NE OF RIDGELAND	JASPER	SB
MD-168	COOSAW RVR AT CONFL OF COMBAHEE RVR; NEAR BUOY 186	BEAUFORT	SFH
MD-172	BROAD RVR AT MOUTH OF ARCHER CK ON SW SIDE OF USMC	BEAUFORT	SFH
MD-175	CALIBOGUE SD AT MOUTH OF COOPER RVR NR RED BUOY 32	BEAUFORT	SFH
MD-194	WHALE BR AT JCT WITH CAMPBELL'S CK-3/4 MI W OF MD-010	BEAUFORT	SFH
MD-244	S EDISTO RVR BELOW ST PIERRE CK	CHARLESTON, COLLETON	SFH
MD-245	COLLETON RVR NEAR MOUTH -SHELLFISH STATION 18-5	BEAUFORT	ORW, SFH
MD-251	ASHEPOO RIVER AT S-15-26	COLLETON	SFH
MD-254	HUSPAH CREEK AT RAILROAD TRESTLE -14-14	BEAUFORT	SFH
MD-255	JENKINS CREEK AT UNNAMED TRIB NORTH SIDE OF WARSAW ISLAND -16-25	BEAUFORT	SFH
MD-279	WHALE BRANCH AT CONFLUENCE WITH BROAD RIVER	BEAUFORT	SFH
MD-280	BEES CK AT WALL FAMILY CAMP FLOATING DOCK APPROX 1 MI E SC 462 AS CROW FLIES	JASPER	SB
SV-191	SAVANNAH RVR AT US 17 8.9 MI SSW OF HARDEEVILLE -BOAT	JASPER	SB-SP
SV-355	SAVANNAH RIVER AT STOKES BLUFF LANDING OFF S-25-461	HAMPTON, EFFINGHAM	FW
SV-356	CYPRESS CREEK AT S-27-119	JASPER	FW
SV-369	SAVANNAH RVR OFF BANDC LANDING OFF S-27-201	JASPER, EFFINGHAM	FW

PEE DEE INACTIVE SITES

MD-073	SAMPIT RVR OPP AMER CYANAMID CHEM CO	GEORGETOWN	SB
MD-074	SAMPIT RVR AT CHANNEL MARKER #30	GEORGETOWN	SB
MD-075	SAMPIT RVR BTWN MOUTHS OF PORTS CK AND PENNY ROYAL CK	GEORGETOWN	SB
MD-076N	TURKEY CK S-22-42 SW OF GEORGETOWN	GEORGETOWN	FW
MD-080	WINYAH BAY AT JCT OF PEE DEE AND WACCAMAW AT MARKER 92	GEORGETOWN	SB
MD-087	INTRACOASTAL WTRWAY JUST N OF BRDG ON US 501	HORRY	FW
MD-088	INTRACOASTAL WTRWAY 1 MI S OF BRDG ON US 501	HORRY	FW
MD-089	INTRACOASTAL WTRWY 2 MI S OF BRDG ON US 501	HORRY	FW
MD-091	INTRACOASTAL WTRWY 4 MI N OF BRDG ON US 501	HORRY	FW
MD-110	WACCAMAW RVR AT US 501 BY PASS AROUND CONWAY	HORRY	FW-SP

PEE DEE INACTIVE SITES (CONT)

MD-111	WACCAMAW RVR AT COX'S FERRY ON CO RD 110	HORRY	FW-SP
MD-124	WACCAMAW RVR AT SC 9 7.0 MI W OF CHERRY GROVE	HORRY	FW-SP
MD-136	WACCAMAW RVR 1/4 MI UPSTRM OF JCT WITH INTRACOASTAL WTRWY	HORRY	FW-SP
MD-137	WACCAMAW RVR NR MOUTH OF BULL CK AT CHANNEL MARKER 50	HORRY	FW-SP
MD-146	WACCAMAW RVR AND ICWW 1 MI BL JCT-AT BUCKSPORT LANDING	HORRY	FW-SP
MD-149	WHITES CK 100 YDS UPSTRM OF JCT WITH SAMPIT RVR	GEORGETOWN	SB
MD-158	CRAB TREE SWAMP AT LONG ST BL OUTFALL OF CONWAY #1 POND	HORRY	FW
MD-162	LITTLE RVR AT S END OF ISL DUE E OF TOWN -IN RVR	HORRY	SA
MD-263	SANTEE BAY AT BEACH CREEK -06A-03	GEORGETOWN	ORW, SFH
MD-276	HOUSE CK AT 53RD AVE OUT FROM BOAT LANDING -01-19	HORRY	SFH
NO-01099	SAMPIT RIVER OXBOW NEAR GEORGETOWN STEEL -MD-073	GEORGETOWN	SB
PD-014	CROOKED CR AT S-35-43	MARLBORO	FW
PD-016	PANTHER CK AT S-35-27	MARLBORO	FW
PD-017A	MCLAURINS MILL POND SC 381	MARLBORO	FW
PD-021	BLACK CK AT S-16-18 1 MI NNE HARTSVILLE	DARLINGTON	FW-SP
PD-023	BLACK CK AT S-16-13 5.5 MI NE HARTSVILLE	DARLINGTON	FW-SP
PD-024A	BLACK CK AT US 401 AND 52 6 MI NW DARLINGTON	DARLINGTON	FW-SP, FW
PD-025	BLACK CK AT S-16-133 2.25 MI NE OF DARLINGTON	DARLINGTON	FW
PD-027	BLACK CK AT S-16-35 5.5 MI SE DARLINGTON	DARLINGTON	FW
PD-029E	LITTLE PEE DEE RVR AT S-17-23	DILLON	FW
PD-030	MAPLE SWP AT SC 57	DILLON	FW-SP
PD-030A	LITTLE PEE DEE RVR BELOW JCT WITH MAPLE SWP	DILLON	FW
PD-031	BUCK SWP AT S-17-33	DILLON	FW-SP
PD-035	JEFFERIES CK AT SC 327 AT CLAUSSEN	FLORENCE	FW-SP
PD-037	WHITE OAK CK AT S-34-31	MARION	FW-SP
PD-039	GREEN SWP AT S-43-33	SUMTER	FW-SP
PD-040	TURKEY CREEK AT US 521	SUMTER	FW-SP
PD-041	LYNCHES RVR AT US 52 NEAR EFFINGHAM	FLORENCE	FW
PD-042	LITTLE PEE DEE RVR AT US 501; GALIVANT'S FERRY	HORRY, MARION	ORW, FW
PD-044	BLACK RVR AT US 52 AT KINGSTREE	WILLIAMSBURG	FW-SP
PD-045	BLACK RVR AT SC 377 AT BRYAN'S CROSS ROADS	WILLIAMSBURG	FW-SP

PEE DEE INACTIVE SITES (CONT)

PD-060	PEE DEE RVR AT PETERS FIELD LANDING OFF S-22-36 US IP PUMP STATION	GEORGETOWN, MARION	FW
PD-061	PEE DEE RVR AT US 701 2.75 MI NE YAUHANNAH	GEORGETOWN, HORRY	FW
PD-062	GUM SWAMP AT S-35-27	MARLBORO	FW
PD-065	GULLEY BR AT S-21-13; TIMROD PARK	FLORENCE	FW
PD-069	LITTLE PEE DEE RVR AT SC 57 11.5 MI NW DILLON	DILLON	FW
PD-071	LYNCHES RVR AT US 15/SC 34	LEE	FW
PD-072	SPARROW SWP AT S-16-697 2.5 MI E OF LAMAR	DARLINGTON	FW-SP
PD-081	PRESTWOOD LK AT US 15	DARLINGTON	FW-SP
PD-085	LAKE SWAMP AT US 378	FLORENCE	FW-SP
PD-086A	LAKE SWAMP ON SC 341	FLORENCE	FW-SP
PD-098	TURKEY CK AT LIBERTY ST IN SUMTER ABOVE SANTEE PRINT WORKS	SUMTER	FW-SP
PD-103	HIGH HILL CK AT US 52 ON CO LINE	DARLINGTON, FLORENCE	FW
PD-106	LYNCHES RVR ON I-20 4 OR 5 MI BELOW BISHOPVILLE SEPTIC	LEE	FW
PD-107	CROOKED CK AT SC 9 IN BENNETTSVILLE	MARLBORO	FW
PD-112	COUSAR BR 1/4 MI BELOW BISHOPVILLE FINISHING CO	LEE	FW
PD-115	POCOTALIGO RVR AT 3RD BRDG N OF MANNING ON US 301	CLARENDON	FW-SP
PD-116	BLACK RVR AT S-14-40 E OF MANNING	CLARENDON	FW-SP
PD-137	SNAKE BR AT WOODMILL ST-HARTSVILLE	DARLINGTON	FW
PD-141	60" TILE DISCHARGING TO DITCH ACROSS RD AT DARLINGTON STP	DARLINGTON	FW
PD-159	BLACK CK AT S-16-23 4.7 MI NW OF HARTSVILLE	DARLINGTON	FW-SP
PD-167	WILLOW CREEK AT S-21-57	FLORENCE	FW
PD-168	BIG SWP AT S-21-360 1.1 MI W OF PAMPLICO	FLORENCE	FW-SP
PD-169	BIG SWP AT US 378 AND SC 51 0.9 MI W OF SALEM	FLORENCE	FW-SP
PD-170	BLACK RVR AT SC 51 11.6 MI NE OF ANDREWS	GEORGETOWN	FW-SP
PD-172	BLACK MINGO CK AT SC 41 14 MI NE OF ANDREWS	GEORGETOWN, WILLIAMSB	FW
PD-177	CHINNERS SWAMP AT S-26-24 1.9 MI SSE AYNOR	HORRY	FW-SP
PD-186	BLACK RVR AT US 76 1.5 MI NE OF MAYESVILLE	LEE	FW-SP
PD-187	SMITH SWP AT US 501 1.9 MI SSE OF MARION	MARION	FW-SP
PD-189	LITTLE PEE DEE RVR AT US 378 12 MI W CONWAY	HORRY, MARION	ORW, FW
PD-202	POCOTALIGO RVR AT S-43-32 9 MI SSE OF SUMTER	SUMTER	FW-SP
PD-229	NEWMAN SWP AT S-16-449 0.9 MI NE OF LAMAR	DARLINGTON	FW-SP
PD-230	MIDDLE SWP AT SC 51 3.5 MI SSE OF FLORENCE	FLORENCE	FW-SP
PD-239	NASTY BR AT S-43-251 7.5 MI SW OF SUMTER	SUMTER	FW

PEE DEE INACTIVE SITES (CONT)

PD-255	JEFFRIES CK AT SC 340 6.8 MI SSW OF DARLINGTON	DARLINGTON	FW-SP
PD-256	JEFFRIES CK AT S-21-112 4.8 MI W OF FLORENCE	FLORENCE	FW-SP
PD-258	SNAKE BR AT RR AVE IN HARTSVILLE	DARLINGTON	FW
PD-268	SONOVISTA CLUB HARTSVILLE OFF DOCK OF PRESTWOOD LK	DARLINGTON	FW-SP
PD-306	PANTHER CK AT US 15 OUTSIDE MCCOLL	MARLBORO	FW
PD-314	SINGLETON SWAMP AT S-21-67	FLORENCE, WILLIAMSBURG	FW
PD-319	LYNCHES RIVER AT SC 403	FLORENCE	FW
PD-320	SMITH SWP AT S-34-19 1 MI E OF MARION	MARION	FW-SP
PD-330	BLACK CK AT HWY 15 BYPASS	DARLINGTON	FW-SP
PD-336	HAGINS PRONG AT SC ROUTE 381	MARLBORO	FW
PD-341	THREE CREEKS AT SC 381 AT BLENHEIM	MARLBORO	FW
PD-345	LAKE SWAMP AT S-21-38	FLORENCE	FW-SP
PD-346	CAMP BRANCH AT S-21-278	FLORENCE	FW
PD-347	ASHPOLE SWAMP AT PRIVATE ROAD -SEE LAKE VIEW QUAD	DILLON	FW-SP
PD-348	LITTLE PEE DEE RIVER AT S-17-72	DILLON	FW
PD-351	CEDAR CREEK AT S-26-23	HORRY	ORW, FW
PD-354	UNNAMED DRAINAGE CANAL TO ATKINS CANAL AT SC 527 -3/4 MI N OF US 76	LEE	FW
PD-355	SCAPE ORE SWAMP AT S-31-108	LEE	FW
PD-356	MECHANICSVILLE SWAMP AT S-31-500	LEE	FW
PD-357	ROCKY BLUFF SWAMP AT US 76	SUMTER	FW-SP
PD-358	KINGSTREE SWAMP CANAL AT SC 527	WILLIAMSBURG	FW
PD-360	BLACK MINGO CREEK AT S-45-121	WILLIAMSBURG	FW
PD-362	BUCK CREEK AT SC 905	HORRY	FW
PD-363	SIMPSON CREEK AT SC 905	HORRY	FW
PD-364	LYNCHES RIVER AT US 401	DARLINGTON, LEE	FW
PD-367	THREE CREEKS AT SC 38; S OF BLENHEIM	MARLBORO	FW
PD-368	BEAR SWAMP AT S-17-56	DILLON	FW-SP
PD-369	WACCAMAW RVR AT S-26-105 REEVES FERRY ROAD	HORRY	FW-SP
ST-024	LK MARION AT END OF S-14-64 AT CAMP BOB COOPER	CLARENDON	FW

SANTEE COOPER INACTIVE SITES

CSTL-079	DIVERSION CANAL AT SC 45 12.6 MI W OF ST STEPHENS -SC-025	BERKELEY	FW
SC-005	UPPER LAKE MARION NEAR PACK'S LANDING	SUMTER	FW
SC-006	WARLEY CREEK AT HWY. 267 BRIDGE	CALHOUN	FW
SC-007	HALFWAY SWP CK AT SC 33 -SC-007	CALHOUN	FW
SC-008	LAKE MARION AT RR TRESTLE AT LONE STAR -SC-008	CALHOUN, SUMTER	FW

SANTEE COOPER INACTIVE SITES (CONT)

SC-009	SPRING CROVE CREEK AT SECONDARY ROAD 26 BRIDGE	CLARENDON	FW
SC-010	UPPER LAKE MARION AT CHANNEL MARKER 150	CALHOUN	FW
SC-011	BIG POPLAR CREEK AT SECONDARY ROAD 105 BRIDGE	CALHOUN	FW
SC-012	LK MARION AT JACK'S CK EMBAYMENT; USE SANTEE COOPER SC-012	CLARENDON	FW
SC-014	UPPER LAKE MARION AT HEADWATERS OF CHAPEL BRANCH CREEK	ORANGEBURG	FW
SC-015	LK MARION AT OLD US 301/15 BRDG AT SANTEE -SC-015	ORANGEBURG, CLARENDON	FW
SC-016	LK MARION AT CHANNEL MARKER 69; USE SANTEE COOPER SC-016	CLARENDON	FW
SC-017	MID LAKE MARION AT TAW CAW CREEK EMBAYMENT	CLARENDON	FW
SC-019	LOWER LAKE MARION AT POTATO CREEK FLOODED EMBAYMENT	CLARENDON	FW
SC-021	LOWER LAKE MARION; 1.5 KM NE OF ROCK'S POND CAMPGROUND	BERKELEY	FW
SC-022	LAKE MARION FOREBAY; SPILLWAY MARKER 44 -SC-022	ORANGEBURG, CLARENDON	FW
SC-023	LOWER LAKE MARION AT WYBOO CREEK FLOODED EMBAYMENT	CLARENDON	FW
SC-023A	LK MARION; WYBOO CREEK ARM DS OF CLUBHOUSE BR -SC-023A	CLARENDON	FW
SC-024	LOWER SANTEE RIVER AT WILSON'S LANDING BELOW SPILLWAY DAM	BERKELEY	FW
SC-025	DIVERSION CANAL AT SC 45 12.6 MI W OF ST STEPHENS -SC-025	BERKELEY	FW
SC-026	TRIBUTARY 0.6 KM UPSTR OF SC HWY. 6 NEAR CROSS HS	BERKELEY	FW
SC-027	SW QUADRANT OF LAKE MOULTRIE 1.2 KM EAST OF SHORELINE	BERKELEY	FW
SC-028	NW QUADRANT OF LAKE MOULTRIE NEAR ANGEL'S LANDING COVE	BERKELEY	FW
SC-030	LAKE MOULTRIE AT CHANNEL MARKER 17 -SC-030	BERKELEY	FW
SC-031	NORTH QUADRANT OF LAKE MOULTRIE AT MOUTH OF REDIVERSION CANAL	BERKELEY	FW
SC-032	SE QUADRANT OF LAKE MOULTRIE AT CHANNEL MARKER 2	BERKELEY	FW
SC-033	TAIL RACE CANAL AT US 52 AND 17A BELOW LAKE MOULTRIE -SC-033	BERKELEY	FW
SC-034	DUCK POND CREEK AT HWY. 6	BERKELEY	FW

SANTEE COOPER INACTIVE SITES (CONT)

SC-035	LAKE MARION 1.10 M SSE OF SANTEE NAT. WILDLIFE REFUGE AND 1MI S OF EAGLE POINT -SC-035	CLARENDON	FW
SC-036	MID LAKE MARION AT THE MOUTH OF TAW CAW CREEK	CLARENDON	FW
SC-037	REDIVERSION CANAL AT HWY. 45 BRIDGE	BERKELEY	FW
SC-038	UPPER LAKE MARION AT THE MOUTH OF HALFWAY SWAMP CREEK	CALHOUN	FW
SC-039	UPPER LAKE MARION 2.0 KM BELOW RIMINI RAILROAD TRESTLE	CLARENDON	FW
SC-040	MID LAKE MARION AT CHANNEL MARKER 79	ORANGEBURG	FW
SC-041	MID LAKE MARION 3.2 KM NORTH OF CHANNEL MARKER 79	CLARENDON	FW
SC-042	MID LAKE MARION AT NORTH END OF I-95 / U.S. 301 BRIDGES	CLARENDON	FW
SC-043	TRIBUTARY FLOWING TO LAKE MOULTRIE FROM CROSS GENER. STATION	BERKELEY	FW
SC-044	LAKE MARION 0.5 MI NE OF CALHOUN LANDING -USE SC-044	CALHOUN	FW
SC-045	STREAM FLOWING THRU SANTEE NATIONAL GOLF COURSE POND AT HWY 6	ORANGEBURG	FW
SC-046	SE QUADRANT OF LAKE MOULTRIE AT PINOPOLIS EMBAYMENT	BERKELEY	FW
SC-048	ASSIGNED TO SANTEE-COOPER PROJECT	Clarendon	FW
SC-049	ASSIGNED TO SANTEE-COOPER PROJECT	Clarendon	FW
SC-056	SURFACE DRAINAGE FROM SAFETY KLEEN HAZARDOUS LANDFILL	SUMTER	FW
SC-057	SURFACE DRAINAGE FROM SAFETY KLEEN HAZARDOUS LANDFILL	SUMTER	FW
SC-058	STREAM ORIGINATING UPSTRM OF SAFETY KLEEN HAZARDOUS LANDFILL	SUMTER	FW
SC-059	ASSIGNED TO SANTEE-COOPER PROJECT	Clarendon	FW
ST-025	LK MARION AT OLD US 301/15 BRDG AT SANTEE -SC-015	ORANGEBURG, CLARENDON	FW
ST-034	LAKE MARION AT RR TRESTLE AT LONE STAR -SC-008	CALHOUN, SUMTER	FW

TRIDENT INACTIVE SITES

CSTL-007	COMBAHEE SWP BL YEMASSEE SEWAGE OUTFALL	BEAUFORT	FW
CSTL-013	DORCHESTER CK AT SC 165	DORCHESTER	SA
CSTL-043	SAWMILL BR AT SC 78 E OF SUMMERVILLE	DORCHESTER	FW
CSTL-063	WASSAMASSAW SWP AT US 176	BERKELEY	FW
CSTL-078	CYPRESS SWP AT US 78	DORCHESTER	FW

TRIDENT INACTIVE SITES (CONT)

CSTL-085	PIER IN WEST BRANCH COOPER RVR AT END OF RICE MILL RD IN PIMLICO	BERKELEY	FW
CSTL-099	EAGLE CK AT SC 642 5 MI SSE OF SUMMERVILLE	DORCHESTER	SB
CSTL-112	WAMBAW CK AT EXTENSION OF S-10-857 -BRIDGE NEAR BOAT LANDING-; RUTLEDGE ROAD; ON GRAVEL NATIONAL FOREST ROAD. APPROACH FROM CHARLESTON COUNTY; RUTLEDGE ROAD DIRECTION.	CHARLESTON, BERKELEY	FW
CSTL-114	TRIB TO IRON SWAMP AT US 17	CHARLESTON	SA
E-014	EDISTO RVR AT US 15 S OF ST GEORGE	COLLETON, DORCHESTER	FW
E-015	EDISTO RVR AT SC 61 AT GIVHANS FERRY ST PK	COLLETON, DORCHESTER	FW
E-015A	FOUR HOLE SWAMP AT S-18-19	DORCHESTER	FW-SP
E-016	POLK SWP AT UNIMP RD S-18-180 2 MI S OF ST GEORGE	DORCHESTER	FW-SP
E-100	4 HOLE SWP AT US 78 E OF DORCHESTER	DORCHESTER	FW-SP
MD-010	WHALE BR AT US 21	BEAUFORT	SFH
MD-020	MOUTH OF WAPPOO CK BTWN CHANNEL MARKERS 3 AND 4	CHARLESTON	SB
MD-025	MOUTH OF ELLIOTT CUT AT EDGE WTR DR -S-10-26 OFF HW 17	CHARLESTON	SFH
MD-026	STONO RVR AT SC 700	CHARLESTON	SFH
MD-034	RT BK OF ASHLEY RVR BTWN MOUTH OF WAPPOO CK AND DILLS CK	CHARLESTON	SA
MD-039	GOOSE CK AT S-08-136 BRIDGE	BERKELEY	SB
MD-044	COOPER RVR BL MOUTH OF GOOSE CK AT CHANNEL BUOY 60	CHARLESTON, BERKELEY	SB
MD-046	COOPER RVR UNDER GRACE MEMORIAL BRDG	CHARLESTON	SB
MD-047	TOWN CK -W SIDE OF DRUM ISL- UNDER GRACE MEMORIAL BRDG	CHARLESTON	SB
MD-048	S CHANNEL CHAS HBR OFF FT JOHNSON QUAR STA BELL BUOY 28	CHARLESTON	SB
MD-070	ABANDONED BRDG OVER THE COVE END OF PITT ST MT PLEASANT	CHARLESTON	SB
MD-071	SHEM CK AT COLEMAN BLVD -BUS US 701; 17; SC 703	CHARLESTON	SB
MD-113	GOOSE CK RES AT CHTN WTR INTAKE	BERKELEY	FW
MD-114	GOOSE CK AT US 52 N CHTN	CHARLESTON, BERKELEY	FW
MD-121	LOG BRIDGE CK AT SC 162	CHARLESTON	SFH
MD-135	ASHLEY RVR AT SC 7 -N BRDG	CHARLESTON	SA-SP
MD-152	COOPER RVR AT S-08-503 6.2 MI ESE OF GOOSE CK	BERKELEY	FW, SB
MD-165	CHAS HBR AT FT JOHNSON PIER AT MARINE SCI LAB	CHARLESTON	SB
MD-195	CHURCH CR AT SC 700 1 MI SW OF CEDAR SPRINGS	CHARLESTON	SFH

TRIDENT INACTIVE SITES (CONT)

MD-198	WANDO RVR BTWN RATHALL AND HOBCAW CKS	CHARLESTON, BERKELEY	SFH
MD-203	JEREMY CK NEAR BOAT LANDING AT MCCLELLANVILLE TOWN HALL	CHARLESTON	SFH
MD-207	KIAWAH RIVER MOUTH AT STONO RIVER	CHARLESTON	SFH
MD-208	STONO RIVER MOUTH AT BUOY 10 OFF SANDY PT	CHARLESTON	SFH
MD-210	BOHICKET CK MOUTH AT N EDISTO RVR	CHARLESTON	ORW, SFH
MD-211	N EDISTO RVR MOUTH BTWN KIAWAH ISLAND AND BOTANY BAY ISL	CHARLESTON	ORW, SFH
MD-217	DURHAM CK AT S-08-9 BRIDGE	BERKELEY	FW
MD-240	FOSTER CREEK AT CHARLESTON CPW WATER INTAKE	BERKELEY	FW
MD-241	MECHAW CK AT SC ROUTE 45	CHARLESTON	FW
MD-242	ASHLEY RVR; BTWN LEEDS AVE BOAT RAMP AND MOUTH OF CHURCH CK	CHARLESTON	SA-SP
MD-243	SHIPYARD CK BETWEEN MARKER #6 AND MCALLOY DOCK	CHARLESTON	SB
MD-246	CHURCH CK MOUTH	CHARLESTON	SA-SP
MD-247	CHARLESTON HARBOR IN VICINITY OF MT PLEASANT WWTP DIFFUSER	CHARLESTON	SB
MD-249	FILBIN CREEK AT VIRGINIA AVE; NORTH CHARLESTON	CHARLESTON	SB
MD-250	AWENDAW CREEK AT US 17	CHARLESTON	SFH
MD-265	ALLIGATOR CREEK AT STATE SHELLFISH GROUND -06B-12	CHARLESTON	ORW, SFH
MD-268	AWENDAW CREEK AT MARKER #57 -07-03	CHARLESTON	SFH
MD-270	BULLYARD SOUND - MARKER #104 -08-04	CHARLESTON	ORW, SFH
MD-272	LOWER HAMLIN CREEK AT SITE OF NEW BRIDGE -09A-29	CHARLESTON	SFH
MD-274	FOLLY CREEK AT SECESSIONVILLE POLLUTION LINE -10A-15A	CHARLESTON	SFH
NO-01098	ASHLEY RIVER 0.4 MI ESE OF DUCK ISLAND	CHARLESTON	SA
NO-02302	WANDO RVR 0.1 MI NW OF SC 41 BRIDGE	CHARLESTON, BERKELEY	SFH
NT-01598	SHEM CREEK 0.8 MI NORTH OF US 703 BRIDGE -COLEMAN BLVD-.	CHARLESTON	SB
NT-01599	BRICKYARD CREEK 2.0 MI NORTH OF CONFL W/ ASHLEY RIVER	CHARLESTON	SA-SP
NT-02301	SHEM CK 0.15 MI S US 703 -COLEMAN BLVD-.	CHARLESTON	SB
SC-037A	REDIVERSION CANAL AT US 52 -SC-037A	BERKELEY	FW
ST-007	WALKER SW AT US 52 2.5 MI S ST STEPHENS	BERKELEY	FW
ST-031	REDIVERSION CANAL AT US 52 -SC-037A	BERKELEY	FW
ST-032	GOOSE CREEK RESERVOIR 100 M US OF DAM	BERKELEY	FW
ST-033	GOOSE CK RESERVOIR AT 2ND POWERLINES US OF BOAT RAMP	BERKELEY	FW

B. Ambient Surface Water Quality Monitoring Sites Listed by Waterbody

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
ALLISON CREEK	CATAWBA	CW-249	BASE SITE- ACTIVE
ASHEPOO RIVER	LOW COUNTRY	CSTL-125	BASE SITE- ACTIVE
ASHEPOO RIVER	LOW COUNTRY	MD-253	BASE SITE- ACTIVE
ASHLEY RIVER	TRIDENT	CSTL-102	BASE SITE- ACTIVE
ASHLEY RIVER	TRIDENT	MD-049	BASE SITE- ACTIVE
ASHLEY RIVER	TRIDENT	MD-052	BASE SITE- ACTIVE
ASHLEY RIVER	TRIDENT	RO-23318	2023 RANDOM SITE - ACTIVE
ASHLEY RIVER	TRIDENT	RO-23322	2023 RANDOM SITE - ACTIVE
BEAUFORT RIVER	LOW COUNTRY	MD-001	BASE SITE- ACTIVE
BEAUFORT RIVER	LOW COUNTRY	MD-004	BASE SITE- ACTIVE
BEAVERDAM CREEK	APPALACHIA II	S-325	TEMPORARY REQUESTED SITE- ACTIVE
BIG CEDAR CREEK	CENT MIDLANDS	B-320	BASE SITE- ACTIVE
BIG CREEK	L. SAVANNAH	S-855	TEMPORARY REQUESTED SITE- ACTIVE
BIG PINE TREE CREEK	CENT MIDLANDS	CW-021	TEMPORARY REQUESTED SITE- ACTIVE
BIG WATEREE CREEK	ASP	CW-072	TEMPORARY REQUESTED SITE- ACTIVE
BIG WATEREE CREEK	ASP	CW-252	TEMPORARY REQUESTED SITE- ACTIVE
BLACK CREEK	L. SAVANNAH	E-103	BASE SITE- ACTIVE
BLACK CREEK	PEE DEE	PD-078	BASE SITE- ACTIVE
BLACK CREEK	CATAWBA	PD-251	BASE SITE- ACTIVE
BLACK CREEK	CATAWBA	PD-376	TEMPORARY REQUESTED SITE- ACTIVE
BLACK MINGO CREEK	PEE DEE	PD-361	BASE SITE- ACTIVE
BLACK RIVER	PEE DEE	PD-227	BASE SITE- ACTIVE
BLACK RIVER	PEE DEE	PD-325	BASE SITE- ACTIVE
BLACK RIVER	PEE DEE	PD-353	BASE SITE- ACTIVE
BLACK RIVER	PEE DEE	PD-359	BASE SITE- ACTIVE
BOHICKET CREEK	TRIDENT	MD-209	BASE SITE- ACTIVE
BOLEN MILL CREEK	L. SAVANNAH	RS-23095	2023 RANDOM SITE - ACTIVE
BOYD MILLPOND	APPALACHIA II	S-311	BASE SITE- ACTIVE
BRANFORD CREEK	LOW COUNTRY	RT-23032	2023 RANDOM SITE - ACTIVE
BROAD CREEK	LOW	MD-174	BASE SITE- ACTIVE
BROAD RIVER	CATAWBA	B-042	BASE SITE- ACTIVE
BROAD RIVER	CATAWBA	B-044	BASE SITE- ACTIVE
BROAD RIVER	CATAWBA	B-046	BASE SITE- ACTIVE
BROAD RIVER	CENT MIDLANDS	B-047	BASE SITE- ACTIVE
BROAD RIVER	CENT MIDLANDS	B-080	TEMPORARY REQUESTED SITE- ACTIVE
BROAD RIVER	CENT MIDLANDS	B-337	BASE SITE- ACTIVE
BROAD RIVER	LOW COUNTRY	MD-116	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
BROADWAY LAKE	APPALACHIA II	RL-23124	2023 RANDOM SITE - ACTIVE
BRUNSON SWAMP	PEE DEE	PD-370	BASE SITE- ACTIVE
BUCK SWAMP	PEE DEE	PD-349	BASE SITE- ACTIVE
BUCKHEAD CREEK	LOW COUNTRY	RS-08076	2023 RANDOM SITE - ACTIVE
BUFFALO CREEK	CATAWBA	B-057	BASE SITE- ACTIVE
BULLOCK CREEK	CATAWBA	B-159	BASE SITE- ACTIVE
BUSH RIVER	CENT MIDLANDS	RS-01044	TEMPORARY REQUESTED SITE- ACTIVE
BUSH RIVER	CENT MIDLANDS	S-046	TEMPORARY REQUESTED SITE- ACTIVE
BUSH RIVER	CENT MIDLANDS	S-102	BASE SITE- ACTIVE
BUSH RIVER	CENT MIDLANDS	S-328	TEMPORARY REQUESTED SITE- ACTIVE
CAMP BRANCH	CATAWBA	RS-23057	2023 RANDOM SITE - ACTIVE
CANE CREEK	CATAWBA	CW-017	BASE SITE- ACTIVE
CASINO CREEK	TRIDENT	MD-266	BASE SITE- ACTIVE
CATAWBA RIVER	CATAWBA	CW-014	BASE SITE- ACTIVE
CATAWBA RIVER	CATAWBA	CW-016	BASE SITE- ACTIVE
CATAWBA RIVER	CATAWBA	CW-041	BASE SITE- ACTIVE
CATAWBA RIVER	CATAWBA	LWT-01	TEMPORARY REQUESTED SITE- ACTIVE
CATFISH CANAL	PEE DEE	PD-097	BASE SITE- ACTIVE
CATFISH CANAL	PEE DEE	RS-23082	2023 RANDOM SITE - ACTIVE
CATTAIL BRANCH	CATAWBA	PD-375	TEMPORARY REQUESTED SITE- ACTIVE
CATTAIL BRANCH	CATAWBA	RS-16312	TEMPORARY REQUESTED SITE- ACTIVE
CEDAR CREEK	CENT MIDLANDS	C-075	BASE SITE- ACTIVE
CEDAR CREEK	CENT MIDLANDS	C-076	2023 RANDOM SITE - ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	CW-033	TEMPORARY REQUESTED SITE- ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	CW-174	TEMPORARY REQUESTED SITE- ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	RL-23116	2023 RANDOM SITE - ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	RL-23120	2023 RANDOM SITE - ACTIVE
CHATTOOGA RIVER	APPALACHIA II	SV-199	BASE SITE- ACTIVE
CHAUGA RIVER	APPALACHIA II	SV-344	BASE SITE- ACTIVE
CHECHESSEE RIVER	LOW COUNTRY	MD-117	BASE SITE- ACTIVE
CHECHESSEE RIVER	LOW COUNTRY	RO-23324	2023 RANDOM SITE - ACTIVE
CHINNERS SWAMP	PEE DEE	PD-352	BASE SITE- ACTIVE
CLOUDS CREEK	L. SAVANNAH	S-324	BASE SITE- ACTIVE
COLLETON RIVER	LOW COUNTRY	MD-176	BASE SITE- ACTIVE
COLLETON RIVER	LOW COUNTRY	RO-23320	2023 RANDOM SITE - ACTIVE
COMBAHEE RIVER	LOW	MD-252	BASE SITE- ACTIVE
CONEROSS CREEK	APPALACHIA II	SV-004	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
CONGAREE CREEK	CENT MIDLANDS	C-070	BASE SITE- ACTIVE
CONGAREE RIVER	CENT MIDLANDS	C-007	BASE SITE- ACTIVE
CONGAREE RIVER	CENT MIDLANDS	C-074	BASE SITE- ACTIVE
CONGAREE RIVER	CENT MIDLANDS	CSB-001L	TEMPORARY REQUESTED SITE- ACTIVE
CONGAREE RIVER	CENT MIDLANDS	CSB-001R	TEMPORARY REQUESTED SITE- ACTIVE
COOPER RIVER	TRIDENT	MD-043	BASE SITE- ACTIVE
COOPER RIVER	TRIDENT	MD-045	BASE SITE- ACTIVE
COOPER RIVER	TRIDENT	MD-248	BASE SITE- ACTIVE
COOPER RIVER	LOW COUNTRY	MD-257	BASE SITE- ACTIVE
COOSAW RIVER	LOW COUNTRY	MD-281	BASE SITE- ACTIVE
COOSAW RIVER	LOW COUNTRY	RO-23327	2023 RANDOM SITE - ACTIVE
COOSAWHATCHIE RIVER	LOW COUNTRY	CSTL-107	BASE SITE- ACTIVE
COOSAWHATCHIE RIVER	LOW COUNTRY	CSTL-121	BASE SITE- ACTIVE
COW CASTLE CREEK	L. SAVANNAH	E-050	BASE SITE- ACTIVE
CROWDERS CREEK	CATAWBA	CW-253	BASE SITE- ACTIVE
CYPRESS CREEK	LOW COUNTRY	CSTL-122	BASE SITE- ACTIVE
DAILEY CREEK	L. SAVANNAH	S-327	TEMPORARY REQUESTED SITE- ACTIVE
DAWHO RIVER	LOW COUNTRY	MD-120	BASE SITE- ACTIVE
DIVERSION CANAL	SANTEE COOPER	CSTL-079	BASE SITE- ACTIVE
DUNCAN CREEK	CENT MIDLANDS	B-072	BASE SITE- ACTIVE
EAST BRANCH COOPER RIVER	TRIDENT	CSTL-123	BASE SITE- ACTIVE
EDISTO RIVER	TRIDENT	E-086	BASE SITE- ACTIVE
EDISTO RIVER	LOW COUNTRY	MD-119	BASE SITE- ACTIVE
EIGHTEEN MILE CREEK	APPALACHIA II	SV-375	TEMPORARY REQUESTED SITE- ACTIVE
EIGHTEEN MILE CREEK	APPALACHIA II	SV-376	TEMPORARY REQUESTED SITE- ACTIVE
EIGHTEEN MILE CREEK	ASP	SV-591	TEMPORARY REQUESTED SITE- ACTIVE
EIGHTEENMILE CREEK	APPALACHIA II	SV-233	BASE SITE- ACTIVE
EIGHTEENMILE CREEK	ASP	SV-245	TEMPORARY REQUESTED SITE- ACTIVE
ENOREE RIVER	APPALACHIA II	B-040	BASE SITE- ACTIVE
ENOREE RIVER	CENT MIDLANDS	B-053	BASE SITE- ACTIVE
ENOREE RIVER	CENT MIDLANDS	B-054	BASE SITE- ACTIVE
EUHAW CREEK	LOW COUNTRY	RT-23037	2023 RANDOM SITE - ACTIVE
FAIRFOREST CREEK	CATAWBA	BF-008	BASE SITE- ACTIVE
FISHING CREEK	CATAWBA	CW-233	2023 RANDOM SITE - ACTIVE
FISHING CREEK RESERVOIR	CATAWBA	CW-016F	TEMPORARY REQUESTED SITE- ACTIVE
FISHING CREEK RESERVOIR	CATAWBA	CW-057	BASE SITE- ACTIVE
FIVE FATHOM CREEK	TRIDENT	MD-267	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
FIVE FATHOM CREEK	TRIDENT	RO-23317	2023 RANDOM SITE - ACTIVE
FOLLY RIVER	TRIDENT	MD-130	BASE SITE- ACTIVE
FOUR HOLE SWAMP	L. SAVANNAH	E-111	BASE SITE- ACTIVE
FOUR HOLE SWAMP	TRIDENT	E-116	BASE SITE- ACTIVE
FOUR HOLE SWAMP	TRIDENT	RS-23063	2023 RANDOM SITE - ACTIVE
GILLS CREEK	CENT MIDLANDS	C-017	BASE SITE- ACTIVE
GILLS CREEK	BOW	C-082	TEMPORARY REQUESTED SITE- ACTIVE
GREAT SWAMP	LOW COUNTRY	MD-129	BASE SITE- ACTIVE
GREENVILEE BRANCH	APPALACHIA II	RS-23067	2023 RANDOM SITE - ACTIVE
HALFWAY SWAMP CREEK	L. SAVANNAH	C-080	BASE SITE- ACTIVE
HAMLIN SOUND	TRIDENT	MD-271	BASE SITE- ACTIVE
HARD LABOR CREEK	L. SAVANNAH	RS-23102	2023 RANDOM SITE - ACTIVE
HOGFORK BRANCH	ASP	CW-251	TEMPORARY REQUESTED SITE- ACTIVE
HOLLOW CREEK	L. SAVANNAH	SV-350	BASE SITE- ACTIVE
HORN CREEK	L. SAVANNAH	SV-371	BASE SITE- ACTIVE
HORSE CREEK	L. SAVANNAH	SV-250	BASE SITE- ACTIVE
HORSESHOE CREEK	LOW COUNTRY	CSTL-071	BASE SITE- ACTIVE
HURRICANE CREEK	APPALACHIA II	RS-23058	2023 RANDOM SITE - ACTIVE
ICWW	TRIDENT	MD-069	BASE SITE- ACTIVE
ICWW	PEE DEE	MD-085	BASE SITE- ACTIVE
ICWW	PEE DEE	MD-125	BASE SITE- ACTIVE
ICWW	PEE DEE	MD-127	BASE SITE- ACTIVE
INDIAN CREEK	CENT MIDLANDS	B-352	BASE SITE- ACTIVE
INDIAN FIELD SWAMP	TRIDENT	E-032	BASE SITE- ACTIVE
J. STROM THURMOND LAKE	L. SAVANNAH	CL-041	BASE SITE- ACTIVE
J. STROM THURMOND LAKE	L. SAVANNAH	RL-23034	2023 RANDOM SITE - ACTIVE
JEFFERIES CREEK	PEE DEE	PD-231	BASE SITE- ACTIVE
KIAWAH RIVER	TRIDENT	MD-273	BASE SITE- ACTIVE
KINGS CREEK	CATAWBA	B-333	BASE SITE- ACTIVE
LAKE BLALOCK	APPALACHIA II	RL-23121	2023 RANDOM SITE - ACTIVE
LAKE CUNNINGHAM	APPALACHIA II	RL-23114	2023 RANDOM SITE - ACTIVE
LAKE EDGAR BROWN	APPALACHIA II	RL-23123	2023 RANDOM SITE - ACTIVE
LAKE GREENWOOD	APPALACHIA II	RL-23026	2023 RANDOM SITE - ACTIVE
LAKE GREENWOOD	APPALACHIA II	RL-23042	2023 RANDOM SITE - ACTIVE
LAKE GREENWOOD	APPALACHIA II	S-022	BASE SITE- ACTIVE
LAKE GREENWOOD	APPALACHIA II	S-024	BASE SITE- ACTIVE
LAKE GREENWOOD	APPALACHIA II	S-131	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
LAKE GREENWOOD	APPALACHIA II	S-308	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	RL-23033	2023 RANDOM SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	RL-23048	2023 RANDOM SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	RL-23049	2023 RANDOM SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-200	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-236	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-268	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-339	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-340	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-363	BASE SITE- ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-374	TEMPORARY REQUESTED SITE- ACTIVE
LAKE HB ROBINSON	CATAWBA	PD-327	BASE SITE- ACTIVE
LAKE HB ROBINSON	APPALACHIA II	RL-23118	2023 RANDOM SITE - ACTIVE
LAKE JOCASSEE	APPALACHIA II	CL-019	BASE SITE- ACTIVE
LAKE JOCASSEE	APPALACHIA II	RL-23044	2023 RANDOM SITE - ACTIVE
LAKE JOCASSEE	APPALACHIA II	SV-335	BASE SITE- ACTIVE
LAKE JOCASSEE	APPALACHIA II	SV-336	BASE SITE- ACTIVE
LAKE KEOWEE	APPALACHIA II	RL-23032	2023 RANDOM SITE - ACTIVE
LAKE KEOWEE	APPALACHIA II	SV-338	BASE SITE- ACTIVE
LAKE KEOWEE	APPALACHIA II	SV-361	BASE SITE- ACTIVE
LAKE MARION	SANTEE COOPER	CL-042	BASE SITE- ACTIVE
LAKE MARION	SANTEE COOPER	RL-23027	2023 RANDOM SITE - ACTIVE
LAKE MARION	SANTEE COOPER	RL-23031	2023 RANDOM SITE - ACTIVE
LAKE MARION	SANTEE COOPER	RL-23039	2023 RANDOM SITE - ACTIVE
LAKE MARION	SANTEE COOPER	SC-005	BASE SITE- ACTIVE
LAKE MARION	SANTEE COOPER	ST-036	BASE SITE- ACTIVE
LAKE MONTICELLO	CENT MIDLANDS	B-327	BASE SITE- ACTIVE
LAKE MOULTRIE	SANTEE COOPER	RL-23024	2023 RANDOM SITE - ACTIVE
LAKE MOULTRIE	SANTEE COOPER	SC-030	2023 RANDOM SITE - ACTIVE
LAKE MOULTRIE	SANTEE COOPER	ST-037	BASE SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	RL-16052	TEMPORARY REQUESTED SITE- ACTIVE
LAKE MURRAY	L. SAVANNAH	RL-19154	TEMPORARY REQUESTED SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	RL-20202	TEMPORARY REQUESTED SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	RL-23035	2023 RANDOM SITE - ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-211	BASE SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-213	BASE SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-222	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
LAKE MURRAY	CENT MIDLANDS	S-223	TEMPORARY REQUESTED SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-279	TEMPORARY REQUESTED SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-280	TEMPORARY REQUESTED SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-309	BASE SITE- ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-310	BASE SITE- ACTIVE
LAKE MURRAY	L. SAVANNAH	S-326	TEMPORARY REQUESTED SITE- ACTIVE
LAKE RABON	APPALACHIA II	RL-23117	2023 RANDOM SITE - ACTIVE
LAKE ROBINSON	CATAWBA	RL-23025	2023 RANDOM SITE - ACTIVE
LAKE SECESSION	APPALACHIA II	SV-331	BASE SITE- ACTIVE
LAKE SWAMP	PEE DEE	PD-087	BASE SITE- ACTIVE
LAKE SWAMP	PEE DEE	PD-176	BASE SITE- ACTIVE
LAKE WATEREE	CENT MIDLANDS	CL-089	BASE SITE- ACTIVE
LAKE WATEREE	CENT MIDLANDS	CW-207B	TEMPORARY REQUESTED SITE- ACTIVE
LAKE WATEREE	CENT MIDLANDS	CW-208	TEMPORARY REQUESTED SITE- ACTIVE
LAKE WATEREE	CENT MIDLANDS	CW-231	BASE SITE- ACTIVE
LAKE WATEREE	CENT MIDLANDS	LCR-02	TEMPORARY REQUESTED SITE- ACTIVE
LAKE WATEREE	CENT MIDLANDS	RL-23029	2023 RANDOM SITE - ACTIVE
LAKE WATEREE	CENT MIDLANDS	RL-23045	2023 RANDOM SITE - ACTIVE
LAKE WHELCHEL	CATAWBA	B-354	TEMPORARY REQUESTED SITE- ACTIVE
LAKE WHELCHEL	CATAWBA	RL-23122	2023 RANDOM SITE - ACTIVE
LAKE WILLIAM BOWEN	APPALACHIA II	B-339	BASE SITE- ACTIVE
LAKE WYLIE	CATAWBA	CW-197	BASE SITE- ACTIVE
LAKE WYLIE	CATAWBA	CW-201	BASE SITE- ACTIVE
LAKE WYLIE	CATAWBA	CW-230	TEMPORARY REQUESTED SITE- ACTIVE
LAKE WYLIE	CATAWBA	RL-23041	2023 RANDOM SITE - ACTIVE
LAKE, KINGSTON	PEE DEE	MD-107	BASE SITE- ACTIVE
LANGLEY POND	L. SAVANNAH	CL-069	BASE SITE- ACTIVE
LAWSONS FORK CREEK	APPALACHIA II	BL-001	BASE SITE- ACTIVE
LEITH CREEK	PEE DEE	PD-372	BASE SITE- ACTIVE
LEMON CREEK	L. SAVANNAH	CSTL-116	BASE SITE- ACTIVE
LICK CREEK	CENT MIDLANDS	RS-23086	2023 RANDOM SITE - ACTIVE
LITTLE LYNCHES RIVER	CATAWBA	PD-344	BASE SITE- ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-052	BASE SITE- ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-055	BASE SITE- ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-069	2023 RANDOM SITE - ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-350	BASE SITE- ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-365	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
LITTLE RIVER	CENT MIDLANDS	B-350	BASE SITE- ACTIVE
LITTLE RIVER	APPALACHIA II	RS-23071	2023 RANDOM SITE - ACTIVE
LITTLE RIVER	CENT MIDLANDS	S-305	BASE SITE- ACTIVE
LITTLE RIVER	L. SAVANNAH	SV-192	BASE SITE- ACTIVE
LITTLE RIVER	APPALACHIA II	SV-203	BASE SITE- ACTIVE
LITTLE SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-115	BASE SITE- ACTIVE
LITTLE SALKEHATCHIE RIVER	LOW COUNTRY	CSTL-120	BASE SITE- ACTIVE
LITTLE SALUDA RIVER	L. SAVANNAH	S-123	BASE SITE- ACTIVE
LONG CANE CREEK	L. SAVANNAH	SV-318	BASE SITE- ACTIVE
LOWER THREE RUN	L. SAVANNAH	SV-373	BASE SITE- ACTIVE
LUMBER RIVER	PEE DEE	PD-038	BASE SITE- ACTIVE
LYNCHES RIVER	CATAWBA	PD-009	BASE SITE- ACTIVE
LYNCHES RIVER	CATAWBA	PD-066	BASE SITE- ACTIVE
LYNCHES RIVER	PEE DEE	PD-093	BASE SITE- ACTIVE
LYNCHES RIVER	PEE DEE	PD-281	BASE SITE- ACTIVE
MAY RIVER	LOW COUNTRY	MD-173	BASE SITE- ACTIVE
MIDDLE TYGER RIVER	APPALACHIA II	B-014	BASE SITE- ACTIVE
MOORES CREEK	L. SAVANNAH	S-112	TEMPORARY REQUESTED SITE- ACTIVE
MORGAN RIVR	LOW COUNTRY	MD-282	BASE SITE- ACTIVE
MORRIS BRANCH	CATAWBA	RS-13114	TEMPORARY REQUESTED SITE- ACTIVE
MOSE BRANCH	CATAWBA	RS-23105	2023 RANDOM SITE - ACTIVE
MOSQUITO CREEK	LOW COUNTRY	RT-23028	2023 RANDOM SITE - ACTIVE
N FORK EDISTO RIVER	L. SAVANNAH	E-008A	BASE SITE- ACTIVE
N FORK EDISTO RIVER	L. SAVANNAH	E-102	BASE SITE- ACTIVE
N FORK EDISTO RIVER	L. SAVANNAH	E-104	BASE SITE- ACTIVE
N PACOLET RIVER	APPALACHIA II	B-126	BASE SITE- ACTIVE
N SALUDA RIVER	APPALACHIA II	S-004	BASE SITE- ACTIVE
N SANTEE RIVER	PEE DEE	ST-005	BASE SITE- ACTIVE
NEW RIVER	LOW COUNTRY	MD-118	BASE SITE- ACTIVE
NEW RIVER	LOW COUNTRY	MD-258	BASE SITE- ACTIVE
NEW RIVER	LOW	RO-23328	2023 RANDOM SITE - ACTIVE
NINETY SIX CREEK	L. SAVANNAH	S-093	BASE SITE- ACTIVE
NORTH EDISTO RIVER	TRIDENT	MD-262	BASE SITE- ACTIVE
NORTH EDISTO RIVER	TRIDENT	RO-23329	2023 RANDOM SITE - ACTIVE
NORTH TYGER RIVER	APPALACHIA II	B-018A	BASE SITE- ACTIVE
OLDTOWN CREEK	TRIDENT	RT-23027	2023 RANDOM SITE - ACTIVE
PACOLET RIVER	CATAWBA	B-048	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
PARR RESERVOIR	CENT MIDLANDS	B-345	BASE SITE- ACTIVE
PARR RESERVOIR	CENT MIDLANDS	RL-23046	2023 RANDOM SITE - ACTIVE
PARSONNAGE CREEK	PEE DEE	MD-277	BASE SITE- ACTIVE
PEE DEE RIVER	PEE DEE	MD-275	BASE SITE- ACTIVE
PEE DEE RIVER	PEE DEE	PD-012	BASE SITE- ACTIVE
PEE DEE RIVER	PEE DEE	PD-015	BASE SITE- ACTIVE
PEE DEE RIVER	PEE DEE	PD-028	2023 RANDOM SITE - ACTIVE
PEE DEE RIVER	PEE DEE	PD-076	BASE SITE- ACTIVE
PEE DEE RIVER	PEE DEE	PD-337	BASE SITE- ACTIVE
PENNY CREEK	APPALACHIA II	RS-23075	2023 RANDOM SITE - ACTIVE
POCOTALIGO RIVER	PEE DEE	PD-043	BASE SITE- ACTIVE
POCOTALIGO RIVER	PEE DEE	PD-091	BASE SITE- ACTIVE
POLK SWAMP	TRIDENT	E-109	BASE SITE- ACTIVE
PORT ROYAL SOUND	LOW COUNTRY	RO-23330	2023 RANDOM SITE - ACTIVE
PUDDING SWAMP	PEE DEE	PD-203	BASE SITE- ACTIVE
RABON CREEK	APPALACHIA II	S-096	BASE SITE- ACTIVE
RAWLS CREEK	CENT MIDLANDS	S-287	TEMPORARY REQUESTED SITE- ACTIVE
REEDY RIVER	APPALACHIA II	S-021	BASE SITE- ACTIVE
REEDY RIVER	APPALACHIA II	S-072	BASE SITE- ACTIVE
REEDY RIVER	APPALACHIA II	S-319	BASE SITE- ACTIVE
RICHARD B. RUSSELL LAKE	APPALACHIA II	RL-23038	2023 RANDOM SITE - ACTIVE
RICHARD B. RUSSELL LAKE	APPALACHIA II	SV-098	BASE SITE- ACTIVE
RICHARD B. RUSSELL LAKE	APPALACHIA II	SV-357	BASE SITE- ACTIVE
ROCKY BLUFF SWAMP	PEE DEE	PD-201	BASE SITE- ACTIVE
ROCKY CREEK	CATAWBA	CW-236	BASE SITE- ACTIVE
S FORK EDISTO RIVER	L. SAVANNAH	E-011	BASE SITE- ACTIVE
S FORK EDISTO RIVER	L. SAVANNAH	E-012	BASE SITE- ACTIVE
S FORK EDISTO RIVER	L. SAVANNAH	E-114	BASE SITE- ACTIVE
S SALUDA RIVER	APPALACHIA II	S-299	BASE SITE- ACTIVE
S SANTEE RIVER	TRIDENT	ST-006	BASE SITE- ACTIVE
S TYGER RIVER	APPALACHIA II	B-332	BASE SITE- ACTIVE
SADDLER SWAMP	CENT MIDLANDS	RS-23059	2023 RANDOM SITE - ACTIVE
SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-048	BASE SITE- ACTIVE
SALKEHATCHIE RIVER	LOW COUNTRY	CSTL-104	BASE SITE- ACTIVE
SALUDA RIVER	APPALACHIA II	S-007	TEMPORARY REQUESTED SITE- ACTIVE
SALUDA RIVER	CENT MIDLANDS	S-047	BASE SITE- ACTIVE
SALUDA RIVER	APPALACHIA II	S-119	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
SALUDA RIVER	APPALACHIA II	S-125	BASE SITE- ACTIVE
SALUDA RIVER	L. SAVANNAH	S-186	TEMPORARY REQUESTED SITE- ACTIVE
SALUDA RIVER	CENT MIDLANDS	S-298	BASE SITE- ACTIVE
SAMPIT RIVER	PEE DEE	MD-077	BASE SITE- ACTIVE
SANDY RIVER	CATAWBA	B-075	BASE SITE- ACTIVE
SANDY RUN	L. SAVANNAH	E-115	BASE SITE- ACTIVE
SANTEE PATH CREEK	TRIDENT	RT-23030	2023 RANDOM SITE - ACTIVE
SANTEE RIVER	CENT MIDLANDS	SC-004	BASE SITE- ACTIVE
SANTEE RIVER	TRIDENT	ST-001	BASE SITE- ACTIVE
SANTEE RIVER	TRIDENT	ST-016	BASE SITE- ACTIVE
SAVANNAH RIVER	L. SAVANNAH	SV-366	BASE SITE- ACTIVE
SAVANNAH RIVER	L. SAVANNAH	SV-367	BASE SITE- ACTIVE
SAVANNAH RIVER	L. SAVANNAH	SV-368	BASE SITE- ACTIVE
SAVANNAH RIVER	LOW COUNTRY	SV-370	BASE SITE- ACTIVE
SCHOONER CREEK	TRIDENT	RT-23023	2023 RANDOM SITE - ACTIVE
SEWEE BAY	TRIDENT	MD-269	BASE SITE- ACTIVE
SHEM CREEK	TRIDENT	RT-23043	2023 RANDOM SITE - ACTIVE
SHOE HEEL CREEK	PEE DEE	PD-371	BASE SITE- ACTIVE
SOCASTEE SWAMP	PEE DEE	RS-23104	2023 RANDOM SITE - ACTIVE
SOUTH EDISTO RIVER	LOW COUNTRY	MD-260	BASE SITE- ACTIVE
SOUTH PACOLET RIVER	APPALACHIA II	B-302	BASE SITE- ACTIVE
SOUTH PACOLET RIVER	APPALACHIA II	RS-23090	2023 RANDOM SITE - ACTIVE
SOUTH PRONG STERITT SWAMP	PEE DEE	RS-23092	2023 RANDOM SITE - ACTIVE
SPARROW SWAMP	PEE DEE	PD-332	BASE SITE- ACTIVE
SPRING SWAMP	PEE DEE	RS-23056	2023 RANDOM SITE - ACTIVE
STEVENS CREEK	L. SAVANNAH	SV-354	BASE SITE- ACTIVE
STEVENS CREEK	L. SAVANNAH	SV-365	BASE SITE- ACTIVE
STEVENS CREEK RESERVOIR	L. SAVANNAH	SV-372	BASE SITE- ACTIVE
STONO RIVER	TRIDENT	MD-202	BASE SITE- ACTIVE
STONO RIVER	TRIDENT	MD-206	BASE SITE- ACTIVE
SUCKSAND BRANCH	L. SAVANNAH	RS-23068	2023 RANDOM SITE - ACTIVE
SUGAR CREEK	CATAWBA	CW-036	BASE SITE- ACTIVE
TAIL RACE CANAL BELOW LAKE MOULTRIE	SANTEE COOPER	CSTL-062	BASE SITE- ACTIVE
THICKETTY CREEK	CATAWBA	B-062	BASE SITE- ACTIVE
THOMPSON CREEK	CATAWBA	PD-247	2023 RANDOM SITE - ACTIVE
THOMPSON CREEK	PEE DEE	PD-338	BASE SITE- ACTIVE
THREE & TWENTY CREEK	APPALACHIA II	SV-111	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
THREEMILE CREEK	APPALACHIA II	RS-23078	2023 RANDOM SITE - ACTIVE
TOMS CREEK	CENT MIDLANDS	C-072	BASE SITE- ACTIVE
TUGALOO LAKE	APPALACHIA II	RL-23119	2023 RANDOM SITE - ACTIVE
TURKEY CREEK	CATAWBA	B-136	BASE SITE- ACTIVE
TURKEY CREEK	L. SAVANNAH	SV-352	BASE SITE- ACTIVE
TWELVE MILE CREEK	APPALACHIA II	SV-137	BASE SITE- ACTIVE
TWELVEMILE CREEK	CATAWBA	CW-083	BASE SITE- ACTIVE
TYGER RIVER	CENT MIDLANDS	B-349	BASE SITE- ACTIVE
UNNAMED CREEK	LOW COUNTRY	MD-256	BASE SITE- ACTIVE
UNNAMED CREEK BETWEEN SCHOONER CHANNEL AND WILLIMAN CREEK	LOW COUNTRY	RO-23326	2023 RANDOM SITE - ACTIVE
UNNAMED CREEK TO COOPER RIVER	LOW COUNTRY	RT-23022	2023 RANDOM SITE - ACTIVE
UNNAMED CREEK TO JEFFORD CREEK	LOW COUNTRY	RT-23025	2023 RANDOM SITE - ACTIVE
UNNAMED CREEK TO MACKAY CREEK	LOW COUNTRY	RO-23316	2023 RANDOM SITE - ACTIVE
UNNAMED CREEKON FERRY ROUTE TO BULL ISLAND	TRIDENT	RT-23042	2023 RANDOM SITE - ACTIVE
UNNAMED TRIB TO GRANNIES QUARTER CREEK	CATAWBA	RS-23081	2023 RANDOM SITE - ACTIVE
UNNAMED TRIB TO LAUREL SWAMP	TRIDENT	RS-23060	2023 RANDOM SITE - ACTIVE
UNNAMED TRIB TO ROBERTS BRANCH	CENT MIDLANDS	RS-23069	2023 RANDOM SITE - ACTIVE
UNNAMED TRIB TO ROSEMARY CREEK	L. SAVANNAH	RS-23054	2023 RANDOM SITE - ACTIVE
UNNAMED TRIB TO WARRIOR CREEK	APPALACHIA II	RS-23094	2023 RANDOM SITE - ACTIVE
UNNAMED TRIB TO WILLOW CREEK	PEE DEE	RS-23061	2023 RANDOM SITE - ACTIVE
UNNAMED TRIBUTARY TO KIAWAH RIVER	TRIDENT	RT-23024	2023 RANDOM SITE - ACTIVE
UNNAMED TRIBUTARY TO LIGHTHOUSE CREEK	TRIDENT	RT-23039	2023 RANDOM SITE - ACTIVE
UNNAMED TRIBUTARY TO MCKAY CREEK	LOW COUNTRY	RT-23033	2023 RANDOM SITE - ACTIVE
UNNAMED TRIBUTARYUTARYUTARY TO PERSIMMON CREEK	L. SAVANNAH	RS-12077	TEMPORARY REQUESTED SITE- ACTIVE
UPPER THREE RUNS	L. SAVANNAH	SV-325	BASE SITE- ACTIVE
VENNING CREEK	TRIDENT	RT-23026	2023 RANDOM SITE - ACTIVE
WACCAMAW RIVER	PEE DEE	MD-138	BASE SITE- ACTIVE
WACCAMAW RIVER	PEE DEE	MD-142	BASE SITE- ACTIVE
WACCAMAW RIVER	PEE DEE	MD-145	BASE SITE- ACTIVE
WACCAMAW RIVER	PEE DEE	PD-373	BASE SITE- ACTIVE
WADBOO SWAMP	TRIDENT	CSTL-113	BASE SITE- ACTIVE
WANDO RIVER	TRIDENT	MD-115	BASE SITE- ACTIVE

2023 MONITORING SITES BY WATERBODY NAME

WATERBODY	REGION	STATION ID	STREAM TYPE
WANDO RIVER	TRIDENT	MD-264	BASE SITE- ACTIVE
WATEREE RIVER	CENT MIDLANDS	CW-019	BASE SITE- ACTIVE
WATEREE RIVER	CENT MIDLANDS	CW-206	BASE SITE- ACTIVE
WATEREE RIVER	CENT MIDLANDS	CW-222	BASE SITE- ACTIVE
WHALE BRANCH	LOW COUNTRY	RO-23323	2023 RANDOM SITE - ACTIVE
WHIPPY SWAMP	LOW COUNTRY	CSTL-076	BASE SITE- ACTIVE
WILLIMAN CREEK	LOW COUNTRY	RO-23319	2023 RANDOM SITE - ACTIVE
WINYAH BAY	PEE DEE	MD-278	BASE SITE- ACTIVE
WINYAH BAY	PEE DEE	RO-23321	2023 RANDOM SITE - ACTIVE
WINYAH BAY	PEE DEE	RO-23325	2023 RANDOM SITE - ACTIVE
WRIGHT RIVER	LOW COUNTRY	MD-259	BASE SITE- ACTIVE
YONGES ISLAND CREEK	TRIDENT	MD-261	BASE SITE- ACTIVE
	LOW COUNTRY	RT-01624	2023 RANDOM SITE - ACTIVE

C. Ambient Surface Water Quality Monitoring Sites Listed by Regions Showing Individual Parameter Coverage

Appendix C Abbreviation Key

Headings:

STATION ID - sampling station identification number
TEMP - water temperature
DO - dissolved oxygen
pH - pH
PRFL – profile field parameters (surface, mid-depth, bottom); May-Oct
TIDAL STAGE - tidal stage at which the sample was collected (ebb, flood, slack)
COND - specific conductance (conductivity)
SAL - salinity
TURB - turbidity
ALKL - alkalinity
BOD5 - five-day biochemical oxygen demand
NH_3 NH_4 - ammonia & ammonium
NO_2 NO_3 - nitrite & nitrate
TKN - total Kjeldahl nitrogen
TP - total phosphorus as phosphate
E COLI - *Escherichia coli* bacteria
ENTRO - *Enterococcus* bacteria
TSS - total suspended solids
HARD - hardness
METALS - select heavy metals (see Appendix D for full list)
MERC - mercury
CHL-α - chlorophyll-α (May-October)
SECH - transparency (Secchi depth)

Sampling Frequency: (see Section 2.1 for more details)

M- monthly (Chl- α and Profiles only May-Oct)
Q - quarterly
A - Annually

SAMPLE STATIONS FOR CALENDAR YEAR 2023: APPALACHIA II

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
B-014	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-018A	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-040	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-126	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-302	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-332	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-339	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
BL-001	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CL-019	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23026	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23032	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23033	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23038	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23042	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23044	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23048	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23049	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23114	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23117	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23118	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23119	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23121	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23124	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RS-23058	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23067	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23071	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23075	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23078	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23090	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23094	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-004	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-007	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-021	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-022	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-024	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-072	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-096	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-119	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-125	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: APPALACHIA II

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
S-131	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-299	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-308	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-311	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-319	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-325	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-004	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-098	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-111	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-137	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-199	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-200	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-203	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-233	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-236	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-268	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-331	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-335	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-336	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-338	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-339	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-340	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-344	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-357	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-361	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-363	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-374	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-375	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-376	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: CATAWBA

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
CW-251	M	M	M					M	M	M	M	M	M	M	M		M	M	M	M		
CW-252	M	M	M					M	M	M	M	M	M	M	M		M	M	M	M		
B-042	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-044	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-046	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-048	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-057	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-062	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-075	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-136	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-159	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-333	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-354	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
BF-008	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-014	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-016	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-016F	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-017	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-033	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-036	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-041	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-057	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-083	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-174	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-197	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-201	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-230	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-233	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-236	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-249	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-253	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
LWT-01	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-009	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-066	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-247	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-251	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-327	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
PD-344	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-375	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: CATAWBA

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
PD-376	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RL-23025	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23041	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23116	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23120	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23122	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RS-13114	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-16312	M	M	M					M	M	M	M	M	M	M	M		M	M	M	M		
RS-23057	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23081	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23105	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: CENTRAL MIDLANDS

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
B-047	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-053	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-054	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-072	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-080	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-320	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-327	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
B-337	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-345	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
B-349	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-350	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
B-352	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-007	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-017	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-017	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-017	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-017	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-070	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-072	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-074	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-075	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
C-076	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CL-089	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CSB-001L	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSB-001R	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-019	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-021	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-206	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-207B	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-208	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CW-222	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CW-231	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
LCR-02	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-16052	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-20202	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23029	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2023: CENTRAL MIDLANDS

RL-23035	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23045	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23046	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RS-01044	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23059	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23069	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23086	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-046	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-047	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-102	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-211	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-213	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-222	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-223	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-279	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-280	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-287	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-298	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-305	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-309	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-310	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-328	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SC-004	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: LOW COUNTRY

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
CSTL-071	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-076	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-104	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-107	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q	Q		
CSTL-120	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-121	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-122	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-125	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-001	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-004	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-116	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-117	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-118	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-119	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-120	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-129	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-173	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-174	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-176	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-252	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-253	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-256	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-257	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-258	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-259	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-260	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-281	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-282	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
RO-23316	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23319	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23320	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23323	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23324	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23326	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23327	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2023: LOW COUNTRY

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
RO-23328	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23330	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RS-08076	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RT-01624	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23022	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23025	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23028	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23032	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23033	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23037	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
SV-370	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: LOWER SAVANNAH

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
C-080	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CL-041	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CL-069	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CSTL-048	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-115	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-116	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-008A	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-011	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-012	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-050	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-102	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-103	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-104	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-111	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-114	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-115	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RL-19154	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23034	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23123	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RS-12077	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23054	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23068	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23095	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23102	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-093	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-112	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-123	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-186	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-324	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-326	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
S-327	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
S-855	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-192	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-250	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-318	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: LOWER SAVANNAH

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
SV-325	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-350	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-352	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-354	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-365	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-366	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-367	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-368	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-371	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
SV-372	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SV-373	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: PEE DEE

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
MD-077	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-085	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-107	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-125	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q	Q		
MD-127	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-138	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-142	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-145	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-275	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-277	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-278	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
PD-012	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-015	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-028	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-038	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-043	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-052	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-055	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-069	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-076	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-078	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-087	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-091	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-093	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-097	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-176	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-201	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-203	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-227	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-231	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-281	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-325	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
PD-332	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-337	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-338	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-349	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-350	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-352	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-353	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: PEE DEE

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
PD-359	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-361	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-365	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-370	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-371	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-372	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
PD-373	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RO-23321	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23325	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RS-23056	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23061	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23082	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23092	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23104	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
ST-005	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q	Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2023: SANTEE COOPER

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
CL-042	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
CSTL-062	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-079	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RL-23024	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23027	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23031	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
RL-23039	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SC-005	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
SC-030	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
ST-036	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M
ST-037	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2023: TRIDENT

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
CSTL-102	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q	Q		
CSTL-113	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
CSTL-123	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-032	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-086	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-109	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
E-116	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
MD-043	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-045	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-049	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-052	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-069	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-115	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-130	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-202	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-206	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-209	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-248	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-261	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-262	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-264	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-266	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-267	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-269	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-271	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
MD-273	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q		
RO-23317	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23318	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23322	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RO-23329	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RS-23060	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RS-23063	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
RT-23023	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23024	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23026	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23027	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23030	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23039	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
RT-23042	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2023: TRIDENT

STATION ID	TEMP	DO	PH	PRFL	TIDAL STAGE	COND	SAL	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E COLI	ENTRO	TSS	HARD	METALS	MERC	CHL-α	SECH
RT-23043	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q	Q	M	M
ST-001	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		
ST-006	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q	Q		
ST-016	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q		

D. Parameters Sampled at Ambient Surface Water Quality Monitoring Sites

Water Analysis Parameters

Field Parameters

Monthly- all sites

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Dissolved Oxygen*	mg/L	00300
pH*	SU	00400
Water Temperature*	°C	00010
Air Temperature	°C	00020

Monthly- all marine sites

Specific Conductivity*	umhos/cm	00402
Salinity*	ppt	00480

*Profiled at 1 meter intervals from the water surface to the bottom at selected lake sites. For selected marine sites profiles are collected at the surface, mid-depth, and the bottom.

Physical Parameters

Monthly- all sites

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Turbidity	NTU	00076
Collection depth	m	82048

Monthly- select sites

Flow or Flood Stage		00067/00061
Total Suspended Solids	mg/L	00530
Transparency (Secchi depth)	m	00078

Biological Parameters

Monthly- all freshwater sites

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Escherichia coli Bacteria (Quanti-tray method)	MPN/100mL	31633

Monthly- all marine sites

Enterococci Bacteria (Quanti-tray method)	#/100mL	50589

Monthly May-October- select lake and marine sites

Chlorophyll-α	µg/L	32209

Chemical Parameters

Monthly- all sites

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Five Day Biochmical Oxygen Demand	mg/L	00310
Nitrate/Nitrite Nitrogen	mg/L	00630
Total Phosphorus	mg/L	00665

Alkalinity	mg/L	00410
Ammonia Nitrogen	mg/L	00610
Total Kjeldahl Nitrogen	mg/L	00625

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Quarterly- all sites Metals Routine		
Cadmium	µg/L	01027
Chromium	µg/L	01034
Copper	µg/L	01042
Iron	µg/L	10145
Lead	µg/L	10151
Manganese	µg/L	01055
Mercury	µg/L	71900
Nickel	µg/L	01067
Zinc	µg/L	01092

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Quarterly- Lakes & Streams		
Hardness	mg/L	00900

ANALYSIS DESCRIPTION	UNITS	WQX CODE
Quarterly- Streams only		
Total Suspended Solids	mg/L	00530

E. Ocean Water Monitoring Site Descriptions Listed by Regional Office

Bathing Beaches and Public Access Points

TIER 1 BEACHES

City of North Myrtle Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-001	59th Ave N	-78.601819	33.8395118
WAC-002	45th Ave N	-78.6233836	33.8336687
WAC-003	30th Ave N	-78.6372373	33.8288522
WAC-004	16th Ave N	-78.6533888	33.8241275
WAC-005	3rd Ave N	-78.6681812	33.8188902
WAC-005A	7th Ave S	-78.6681812	33.8139202
WAC-006	9th Ave S	-78.6841137	33.8131406
WAC-007	17th Ave S	-78.7000859	33.8065623
WAC-008	33rd Ave S	-78.7176586	33.7985193
WAC-009	47th Ave S	-78.7316984	33.7916396

Town of Atlantic Beach
Atlantic Beach is 0.27 miles long, there are no sampling sites on this beach, but it is considered monitored due to sites located directly above and below it.

Town of Briarcliffe Acres			
Station	*Description*	*Longitude*	*Latitude*
WAC-009A	White Point Swash	-78.7399968	33.7867313
WAC-010	Briarcliff cabana	-78.741883	33.786364

Arcadia Beach – Horry County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-011	2 miles north of Hilton Grand	-78.7456588	33.7844389
WAC-012	Lands End Resort	-78.7644272	33.7738569
WAC-013	Wyndham Hotel	-78.7751472	33.767933
WAC-014	Sands Ocean Club	-78.7884552	33.7593629
WAC-015	Singleton Swash	-72.794968	33.755458

City of Myrtle Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-015A	Bear Branch Swash	-78.8034271	33.7498004
WAC-016	77th Ave N	-78.8128891	33.7432032
WAC-016A	Cane Patch Swash	-78.8222535	33.7369623
WAC-017	64th Ave N	-78.8259239	33.7342228
WAC-017A	Deep Head Swash	-78.8380851	33.72498
WAC-018	50th Ave N	-78.8426859	33.7217018
WAC-019	34th Ave N	-78.8571075	33.710391
WAC-020	24th Ave N	-78.8662608	33.7028987
WAC-021	8th Ave N	-78.8800091	33.6904148

WAC-022A	Withers Swash	-78.8907427	33.6800915
WAC-023	15th Ave S	-78.8997777	33.672911
WAC-024	23rd Ave S	-78.9078527	33.6664849
WAC-025A	Midway Swash	-78.9170543	33.6581395

Springmaid Beach – Horry County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-026	Nash Dr	-78.9210152	33.6548022

South Carolina State Park and Campgrounds – Horry County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-027	Myrtle Beach State Park	-78.932237	33.6453918
WAC-028	Beaver Dam Creek	-72.944889	33.633105
WAC-029	North end Ocean Lakes Campground	-78.9522428	33.6256796
WAC-029A	South end Ocean Lakes Campground	-72.9584233	33.6190057

Town of Surfside Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-030	16th Ave N	-78.9611507	33.616113
WAC-031	11th Ave N	-78.9641393	33.613146
WAC-031A	Swash at 5th Ave N	-72.9678983	33.6087667
WAC-033	3rd Ave S	-78.9749541	33.6027406
WAC-034	8th Ave S	-78.9771679	33.5993875
WAC-035	13th Ave S	-78.9810281	33.5952913

TIER 2 BEACHES

Garden City Beach – Horry County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-036	Hawes Ave	-78.9875519	33.5881838
WAC-037	Azalea Ave	-78.9987463	33.575971

Huntington Beach State Park – Georgetown County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-039	North Access	-79.0485453	33.5144847
WAC-040	Visitors Center	-79.065063	33.5015691

Litchfield Beach – Georgetown County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-041	Songbird Ln	-79.0826594	33.4852593
WAC-042	Litchfield Inn	-79.0956795	33.4691087
WAC-043A	1st L Past Gate	-79.100628	33.461851

Town of Pawleys Island			
Station	*Description*	*Longitude*	*Latitude*
WAC-044A	Pub Access 2nd/Atlantic B	-79.1189178	33.4324118

WAC-045A	Public Access Springs/Hazard Ave	-79.1308041	33.4120827
WAC-046	Pawleys Is. South Parking	-79.1381272	33.3996241

Debordieu Beach – Georgetown County Beach			
Station	*Description*	*Longitude*	*Latitude*
WAC-047	Luvan Way	-79.1485221	33.3750841
WAC-048	Lafayette/Ocean Green Blv	-79.1516853	33.3597849

Isle of Palms			
Station	*Description*	*Longitude*	*Latitude*
TRI-050	Port O' Call	-79.720968	32.8140122
TRI-051	Dunes Crest Lane	-79.729583	32.804194
TRI-052	53rd Ave	-79.745127	32.799372
TRI-053	34th Ave	-79.765551	32.793527
TRI-054	21st Ave	-79.781677	32.78678
TRI-054B	IOP County Park	-79.78481667	32.78553333
TRI-054C	10th Ave	-79.789765	32.784152
TRI-055	7th Ave	-79.794916	32.781163
TRI-056	4th Ave	-79.8067147	32.7755509

Sullivans Island			
Station	*Description*	*Longitude*	*Latitude*
TRI-057	Station 30/ Marshall Blvd	-79.813956	32.7716983
TRI-058	Station 26/ Bayonne St	-79.825617	32.762519
TRI-059	Flag St Coast Guard station	-79.8488537	32.7535825

Folly Beach			
Station	*Description*	*Longitude*	*Latitude*
TRI-060A	1690 E. Ashley Ave	-79.894629	32.678377
TRI-061	1561 E Ashley Ave	-79.905016	32.670812
TRI-062	11th Ave	-79.917766	32.663483
TRI-063A	5th Ave E	-79.9311651	32.6578928
TRI-064	Center St	-79.938599	32.654503
TRI-065	3rd Ave	-79.944598	32.65242
TRI-066	8th Ave	-79.955055	32.64722

Kiawah Island			
Station	*Description*	*Longitude*	*Latitude*
TRI-067	Folly Park	-79.9719872	32.6386668
TRI-068	Ocean Marsh Rd	-80.04221513	32.609361
TRI-069	Surfsong Rd beach access	-80.070616	32.60401
TRI-070	Seaforest Dr	-80.101296	32.59717
TRI-071	Shipwatch Rd	-80.117248	32.591675
TRI-072	Duneside Rd, Villas #1110 & #1118	-80.1450958	32.5781248

Seabrook Island			
Station	*Description*	*Longitude*	*Latitude*

TRI-073	Oyster Catcher Ct	-80.150952	32.5745969
TRI-074	St. Christopher Camp	-80.1860624	32.5694619

Edisto Island			
Station	*Description*	*Longitude*	*Latitude*
LC-075	Edingsville (Jeremy Cay)	-80.27416667	32.51875
LC-076	Jeremy Inlet (North end of state park)	-80.288803	32.509114
LC-077	Pavilion Restaurant	-80.296189	32.503044
LC-077A	Matilda St beach	-80.3056	32.49681667
LC-077A2	Mary St	-80.30111111	32.49972222
LC-077B	Atlantic St	-80.30983333	32.4938
LC-078	Cheehaw St	-80.314733	32.489908
LC-078B	Dorothy St	-80.32	32.48611111
LC-079	Edings St	-80.325425	32.482564
LC-079A	Neptune St	-80.33178916	32.47849087
LC-080	Edisto St	-80.33763	32.478317
LC-080A	Mikell St	-80.34125	32.48218333
LC-081	Ebb Tide St	-80.343913	32.489112
LC-082	Bay Point at end of Yacht Club Rd	-80.346028	32.495352

Harbor Island			
Station	*Description*	*Longitude*	*Latitude*
LC-084	Between lots 118 and 120	-80.435512	32.412458
LC-085	Between lots 54 and 56	-80.431904	32.409178
LC-085A	South Harbor Dr at Pelican Point	-80.42593002	32.40315379

Hunting Island			
Station	*Description*	*Longitude*	*Latitude*
LC-086	Between campsites 73 ad 75	-80.430576	32.388379
LC-087	Between campsites 47 and 49	-80.431806	32.384884
LC-088	South Beach restroom	-80.440941	32.364887
LC-090	North Beach restrooms	-80.436909	32.373069
LC-091	North Beach lighthouse	-80.436051	32.375061

Fripp Island			
Station	*Description*	*Longitude*	*Latitude*
LC-092	access 25 on Tarpon Blvd	-80.489928	32.31044
LC-093	Fripp Villas	-80.480396	32.314431
LC-094	Seahorse Rd	-80.471207	32.316385
LC-095	Red Drum Rd North	-80.467359	32.31734
LC-096	Beach access #2 on Marlin Dr	-80.46245	32.3193

Hilton Head Island			
Station	*Description*	*Longitude*	*Latitude*
LC-098	Port Royal Plantation	-80.66859	32.219721
LC-098A	Beach access South side of Westin	-80.68077	32.20753
LC-099	Starfish Drive off of Folly Field Road	-80.688269	32.200691

LC-100	Burks Beach Road	-80.696225	32.192884
LC-101	The Moorings off of Mooring Buoy Dr	-80.714804	32.167861
LC-102	The Hilton, off of Mooring Buoy Drive	-80.720006	32.161801
LC-103	Ocean Woods, N Forest Beach Dr.	-80.731057	32.151642
LC-104	Avocet St, next to Sea Crest Motel	-80.748045	32.141528
LC-104A	Ocean Club, between units 44 and 45	-80.75674	32.1378
LC-106	Alder Ln, next to Grande Ocean	-80.762716	32.134925
LC-107	Sea Pines Beach Club	-80.78566	32.124179
LC-108	Atlantic Pointe Community	-80.800806	32.116488
LC-109	Tower Beach, Sea Pines Plantation	-80.822807	32.107528
LC-110	Beachside Tennis Villas	-80.828333	32.112209
LC-111	Southern most access Lands End Dr.	-80.826054	32.120923

F. Macroinvertebrate Monitoring Site Descriptions

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin						
B-005A	30501070303	34.92114509	-82.1301397	South Tyger Riv. @ 293	Spartanburg	95,99,17,19
B-008	30501070503	34.755395	-81.927498	Tyger Riv.@ Hwy. 50	Spartanburg	16
B-014	30501070103	34.87649035	-82.02542142	Middle Tyger Riv. @ S-42-64	Spartanburg	95,99,09
B-017	30501070202	34.90587301	-82.02830374	North Tyger Riv. @ SC 296	Spartanburg	95,99,20
B-018A	30501070203	34.78860993	-81.95231671	North Tyger Riv. @ S-42-231	Spartanburg	9
B-021	30501070402	34.87741502	-81.88290226	Fairforest Ck. @ SC 56	Spartanburg	95,99,04,09,20
B-047	30501060406	34.394123	-81.396524	Broad Riv. @ Sc 34 14 Mi NE Of Newberry	Fairfield	14
B-048	30501051506	34.873669	-81.531683	Pacolet Riv. @ Sc 105 6 Mi Ab Jct With Broad Riv.	Cherokee	16,18,21
B-051	30501070507	34.53596	-81.54794	Tyger Riv. @ SC Hwy 72	Union	16,18,21
B-054	30501080502	34.42351981	-81.46700378	Enoree Riv. @ SR 45	Newberry	89,17,20
B-062	30501051004	34.91463503	-81.49659931	Thicketty Ck. @ SC 211	Cherokee	89,99,09
B-071	30501080403	34.41098232	-81.57784966	Indian Ck. @ US 176	Newberry	95,99,19
B-072	30501080303	34.49022356	-81.59212699	Duncan Ck. @ US 176 1.5 Mi SE Of Whitmire	Newberry	95,99,04,09
B-075	30501060205	34.59329389	-81.39275525	Sandy Riv. @ SC 215 2.5 Mi Ab Jct With Broad Riv.	Chester	95,99,04,21
B-081	30501060707	34.08620205	-81.02543847	Crane Ck. @ US 321	Richland	95,99,09
B-099-7	30501051201	35.1830943	-82.25153104	Vaughn Creek, upstream of B-099A @ Bridge	Greenville	99,04,09
B-102	30501060504	34.37651409	-81.19144735	Jackson Ck. @ S-20-54, 5 Mi W Of Winnsboro	Fairfield	95,99,04,09,22
B-104	30501051301	35.13420895	-82.1782023	Spivey Ck. @ SR 209	Spartanburg	99,20
B-133	30501051004	34.94984397	-81.63104519	Thicketty Ck. @ SC 18	Cherokee	89,95,99,04,21
B-136	30501060105	34.77631626	-81.43240119	Turkey Ck. @ SC 9, 14 Mi NW Of Chester	Chester	95,99,04,09,19
B-143	30501060401	34.45697815	-81.39442123	Beaver Ck. @ SR 95	Fairfield	95,04,17
B-145	30501060507	34.2548257	-81.23448788	Little Riv. @ S-20-60 3.1 Mi SW Of Jenkinsville	Fairfield	95,99,04,22
B-148	30501070101	35.08859181	-82.23796501	Middle Tyger Riv. @ SC 14 2 Mi SSW Gowansville	Greenville	95,99,09
B-151	30501060402	34.33460105	-81.40195837	Hellers Ck. @ SR 97	Newberry	99,04,09,19
B-155	30501060302	34.72478862	-81.48630959	Browns Ck. @ S-44-86, 8 Mi E Of Union	Union	95,99,04,09,19
B-157	30501051101	34.98222838	-81.38013326	Clark Ck. @ SR 63	York	95,99,04,09
B-221	30501051401	35.03147111	-82.08845994	Lawsons Fork Ck. @ S-42-40 BL discharge	Spartanburg	95,99,18
B-222	30501051603	35.035532	-81.493487	Broad Riv. @ Sec Rd 43 "Pick Hill Access"	Cherokee	14
B-236	30501060703	34.259278	-81.332883	Broad Riv. just below Parr Dam	Newberry	14
B-246	30501080201	34.64623594	-81.99552644	Beaverdam Ck. @ S-30-97, 7 Mi NE Of Gray Court	Laurens	95,99,04,09,18
B-280	30501060708	34.02723011	-81.04197905	Smith Br. @ North Main Street In Columbia	Richland	95,99,09,20
B-281	30501060708	34.030564	-81.049377	Smith Br. @ SC 16	Richland	19

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (continued)						
B-296	30501050506	35.17951445	-81.77728211	Suck Ck. @ Walter Rd. off S.R. 29 near NC state line	Cherokee	99,09
B-311	30501060708	34.039043	-81.074815	Broad Riv. @ I-20	Richland	14
B-315	30501070201	34.95555	-82.08589	North Tyger Riv. @ John Dodd Rd.	Spartanburg	19
B-316	30501060707	34.053763	-81.059303	Crane Ck. @ S-40-43 under I-20 (N Cola)	Richland	15
B-318	30501070503	34.692834	-81.83190811	Tyger Riv. @ SC Hwy 56	Spartanburg	89,92,22
B-320	30501060603	34.16219291	-81.11434536	Big Cedar Ck. @ SC 215	Richland	89,92,95,99,04,09,13,18,21
B-332	30501070305	34.78301677	-81.97229795	South Tyger Riv. @ SR 86	Spartanburg	99,09,18
B-333	30501050902	35.04310316	-81.47575692	Kings Ck. @ S-11-209, 3 Mi W Of Smyrna	Cherokee	95,99,04,09,13,15,18,21
B-334	30501051003	34.96484639	-81.55833374	Gilkey Ck. @ S-11-231, 9 Mi SE Of Gaffney	Cherokee	95,99,04,09,19
B-336	30501070505	34.58608249	-81.58127154	Tinker Ck. @ S-44-278, 9 Mi SSE Of Union	Union	95,99,04,09
B-337	30501060708	34.025915	-81.068958	Broad Riv. @ US 176 (Broad Riv. Rd) In Columbia	Richland	14,18,21
B-531	30501051401	35.02926857	-82.02118935	Meadow Ck. @ SR 56	Spartanburg	99,04,09,20
B-625	30501070303	34.93193524	-82.16701841	Maple Ck. @ SR 644	Spartanburg	99,04,09
B-679	30501051602	35.08359359	-81.57552817	Cherokee Ck. @ SC 329	Cherokee	99,04,09,19
B-718	30501080202	34.6108049	-82.0365501	Warrior Ck. @ SR 40	Laurens	89,18
B-719	30501051202	35.18927239	-82.1435328	North Pacolet Riv. @ SR 128	Spartanburg	89,95,99,04,09
B-720	30501051301	35.12773004	-82.18063024	South Pacolet Riv. @ SR 183	Spartanburg	89,92,93,94,95,99,04,09,19,22
B-721	30501060205	34.60890046	-81.37082492	Sandy Riv. @ SC 121	Chester	89,17
B-722	30501060203	34.64912255	-81.37011833	Brushy Fork Ck. @ SR 25	Chester	89,09
B-723	30501060205	34.58377572	-81.38416129	John's Ck. @ SC 215	Chester	89
B-725	30501070103	34.96299199	-82.17276094	Middle Tyger Riv. @ SR 789	Spartanburg	89,17
B-726	30501070201	34.98056175	-82.12165784	North Tyger Riv. @ SR 101	Spartanburg	89
B-733	30501070502	34.70944856	-81.81392394	Dutchman Ck. @ SR 511	Spartanburg	92,93,94,95,99,04,09,18,21
B-739	30501051102	34.97170022	-81.36330622	Bullocks Ck. @ SR 40	York	95,99,04,09,10,21
B-740	30501050805	35.15733808	-81.51738638	Buffalo Ck. @ SC Hwy 198	Cherokee	95,99,04,09
B-741	30501070301	35.0493257	-82.34497714	South Tyger Riv. @ unnamed Rd. South of SR 569	Greenville	95,99,21
B-742	30501080202	34.60350205	-81.91518933	Warrior Ck. @ SC 49	Laurens	95,99,04,09
B-751	30501060405	34.27906115	-81.43202695	Cannons Ck. @ US 176	Newberry	95,99,04,15,17,20

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (continued)						
B-778	30501060304	34.66493738	-81.45757994	Neals Ck. @ SR 86	Union	99,04,09,13,15,18,21
B-779	30501070404	34.70442213	-81.72222722	Sugar Ck. @ SR 52	Union	99,19
B-780	30501051505	34.87673999	-81.64327286	Mill Ck. @ SR 73	Union	99,09,19
B-781	30501070405	34.78366371	-81.70859868	Mitchell Ck. @ SR 19, downstream of bridge	Union	99,04,09
B-782	30501070305	34.84347681	-82.07155198	Bens Ck. @ SC 417	Spartanburg	99,04,20
B-783	30501051501	35.11140913	-81.89386069	Buck Ck. @ Peach Shed Rd	Spartanburg	99,04,09
B-784	30501070102	34.97470785	-82.19502602	Beaverdam Ck. @ SC 357	Spartanburg	99,04,09,19
B-785	30501080203	34.59647336	-81.85514548	Cedar Shoals Ck. @ unnamed Rd. 0.2 km above confluence w/ Enoree Riv., south of SC 56	Spartanburg	99,04,09
B-786	30501070501	34.71972391	-81.90860981	Jimmies Ck. @ Stewart Rd, 1 mile upstream of SR 113	Spartanburg	99,04,09
B-787	30501070304	34.76865446	-81.96434377	Fergerson Ck. @ SR 86	Spartanburg	99,04,09
B-788	30501051601	35.15839584	-81.58501869	Bowen Riv. @ SR 83	Cherokee	99,04,09
B-789	30501051601	35.15992135	-81.62769874	Goforth Ck. (Ross Ck.) @ SR 577	Cherokee	99,04,09
B-790	30501051301	35.10628655	-82.14876546	Motlow Ck. @ SR 888	Spartanburg	99,04,18
B-791	30501051203	35.12154806	-81.98983903	Obed Ck. @ SR 42	Spartanburg	99,04,09
B-792	30501080104	34.83068493	-82.18976499	Abeners Ck. @ Bennetts Ridge Rd.	Spartanburg	99,04,22
B-793	30501080103	34.77264038	-82.20778426	Horse Pen Ck. @ SR 145	Greenville	99,04,09,20
B-794	30501070101	35.10743257	-82.33488477	Middle Tyger Riv. @ Red Turner Rd., 0.5 miles East of SC 101	Greenville	99
B-795	30501080101	34.9493013	-82.3365104	Buckhorn Ck. @ SR 562	Greenville	99,04
B-796	30501080101	34.96519119	-82.34917496	Beaverdam Ck. @ SC 253	Greenville	99,09
B-797	30501080101	34.98873629	-82.37348546	Enoree Riv. @ Pine Log Ford Rd., 2nd crossing above SC 253 bridge	Greenville	99,18
B-798	30501080102	34.87876341	-82.33074267	Brushy Ck. @ SR 273	Greenville	99,22
B-799	30501080501	34.38965152	-81.55725432	Kings Ck. @ US 176, downstream of bridge	Newberry	99,04
B-800	30501060701	34.24546194	-81.34199781	Crims Ck. @ SC 213	Newberry	99,04,09
B-801	30501060702	34.19604442	-81.25869075	Wateree Ck. @ SR 698	Richland	99,04,09,10,14,15,16,19,22
B-811	30501051604	35.020918	-81.486471	Broad Riv. @ 99 Island	Cherokee	14
B-812	30501060205	34.572258	-81.421861	Broad Riv. @ Sandy Riv.	Chester	14
B-831	30501060404	34.2902965	-81.53564	Cannon Ck. @ Oxner Road	Newberry	09,15

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (continued)						
B-836	30501060703	34.201504	-81.226006	Broad Riv. @ Freshly Shoals Rd.	Richland	09,16
B-837	30501080101	34.92551	-82.320688	Mountain Ck. @ SR 335	Greenville	9
B-841	30501051603	35.075176	-81.560202	Broad Riv. above Cherokee Falls	Cherokee	14
B-842	30501060305	34.664654	-81.447229	Broad Riv. below Neal Shoals Dam,	Union	14
B-843	30501060703	34.25608	-81.33253	Broad Riv. below Parr Reservoir	Fairfield	14
B-844	30501060707	34.1038	-81.00436	Crane Ck. @ Tubman Ct., Columbia	Richland	15
B-846	30501070305	34.7927	-81.986	South Tyger Riv. downstream of discharge	Spartanburg	18
B-847	30501070305	34.7939	-81.9894	South Tyger Riv. upstream of discharge	Spartanburg	18
B-848	30501070304	34.7716	-81.9792	Ferguson Ck. downstream of discharge	Spartanburg	18
B-849	30501070304	34.7731	-81.9803	Ferguson Ck. upstream of discharge	Spartanburg	18
BE-007	30501080102	34.84589812	-82.22557875	Rocky Ck. @ SR 164	Greenville	99,04,09
BE-008	30501080101	34.92369982	-82.30889807	Mountain Ck. @ SR 279	Greenville	99,04,18
BE-009	30501080102	34.8593303	-82.23457133	Brushy Ck. @ SR 164	Greenville	99,04,09,20
BE-018	30501080106	34.76939072	-82.12984698	Enoree Riv. @ S-30-75	Laurens	95,99,09
BE-019	30501080106	34.75349047	-82.10734956	Enoree Riv. @ sc Hwy 418	Laurens	95,99,22
BE-020	30501080103	34.78681648	-82.16073957	Gilder Ck. @ SR 143	Greenville	99,04,09,20
BE-022	30501080105	34.6930205	-82.06256037	Durbin Ck. @ SC Hwy 101	Laurens	95,99,04,09
BF-008	30501070406	34.6493676	-81.66133123	Fairforest Ck. @ S-44-16 SW Of Union	Union	95,99,04,22
BL-001	30501051402	34.94370037	-81.78854862	Lawson's Fork Ck. @ SR 108	Spartanburg	89,95,99,04,09,19,20
RS-01028	30501051004	34.9260711	-81.56183821	Thickyty Ck. @ SR 104	Cherokee	01
RS-01057	30501080303	34.51857288	-81.78270269	Dunkan Ck. @ SR 26	Laurens	01
RS-03349	30501060103	34.83138667	-81.30117697	Susybole Ck. @ SR 59	York	03
RS-03352	30501051601	35.15809381	-81.64190393	Ross Ck. @ SR 63	Cherokee	03
RS-03514	30501051203	35.15075994	-82.08828563	Obed Ck. @ unnmbered road of SC 11	Spartanburg	03
RS-03517	30501060701	34.22821724	-81.4449891	Unnamed tributary to Crimms Ck. @ SR 25	Newberry	03
RS-04376	30501051002	35.02816282	-81.78959271	Little Thicketty Ck. @ SR 307	Spartanburg	04
RS-04527	30501060401	34.52924269	-81.3736536	McClure Ck. @ SC 215	Fairfield	04
RS-05562	30501060102	34.94631387	-81.31671018	Turkey Ck. @ SR 41	York	05
RS-05566	30501080201	34.6488667	-82.03166848	Beaver Dam Ck. @ SR 399	Laurens	05
RS-05578	30501070305	34.86357051	-82.08740043	Brushy Ck. @ Brushy Ck. Road	Spartanburg	05
RS-06025	30501070406	34.70136747	-81.65732789	Tosch's Ck. @ SR 75	Union	06

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (continued)						
RS-07048	30501080105	34.70476391	-82.08843537	Durbin Ck. @ SR 67	Laurens	07
RS-07056	30501051502	35.12346933	-81.95861549	Trib to the Pacolet R @ SR 187	Spartanburg	07
RS-07217	30501060302	34.7894528	-81.56935235	Little Brown Ck. @ SR 57	Union	07
RS-07220	30501080104	34.85541994	-82.20912654	Dillard Ck. @ Westmoreland Rd.	Spartanburg	07
RS-08252	30501051004	34.97299963	-81.70274977	Peoples Ck. @ SC 329	Cherokee	08
RS-09291	30501060205	34.65604439	-81.3263456	Sandy Riv. @ SR 42	Chester	09
RS-09307	30501060507	34.19424297	-81.16849793	Little Riv. @ SC 215 (B-350)	Fairfield	09
RS-19500	30501051102	35.009136	-81.317818	Silver Ck. @ S-46-996 King Rd.	York	19
RS-20500	30501051102	35.009136	-81.317818	Silver Ck. @ S-46-996 King Rd.	York	20
RS-21026	30501051301	35.134082	-82.251603	Green Ck @ Red Hill Rd.	Greenville	21
Catawba Basin						
BW-11	30501040105	34.5046	-81.0058	Scabbler Br.@ SC 200	Fairfield	19
BW-17	30501040103	34.45523	-80.94147	Little Wateree Ck. @ US 21	Fairfield	19
CW-002	30501030502	34.69919423	-81.13526292	Rocky Ck. @ SR 335	Chester	93,98,02,07
CW-005	30501030402	34.93204124	-81.16557349	Fishing Ck. @ SR 347	York	93,98,02,19
CW-007	30501030406	34.78554565	-81.06929104	South Fork of Fishing Ck. @ SR 50	Chester	98,02,07
CW-014	30501030602	34.985781	-80.974281	Catawba Riv. @ US 21, Below Lake Wylie Dam	York	14
CW-016	30501030606	34.708323	-80.867561	Catawba Riv. @ SC 9 @ Fort Lawn	Chester	14
CW-019	30501040304	34.245687	-80.653096	Wateree Riv. @ US 1	Kershaw	14
CW-024	30501011504	35.13771752	-81.13558979	Crowders Ck. @ SR 1104	York	98,02,07
CW-031	30501030402	34.99231804	-81.19341288	Fishing Ck. @ SC 161	York	93,98,02,22
CW-034	30501040106	34.540423	-80.874801	Cedar Ck. Reservoir Tailrace	Lancaster	14
CW-039	30501040208	34.336259	-80.699802	Wateree Riv. Below Lake Wateree Dam	Kershaw	14
CW-064	30501030107	35.04121963	-80.89211428	McAlpine Ck. @ SR 64	Lancaster	93,98,02,07
CW-067	30501030504	34.61162273	-81.13772487	Little Rocky Ck. @ SR 144	Chester	89,92,93,94,95,98, 02,07
CW-069	30501030504	34.58977261	-80.97404577	Little Rocky Ck. @ SR 53	Chester	89
CW-072	30501040105	34.46825	-80.93886	Big Wateree Ck. @ US 21	Fairfield	19
CW-073	30501040108	34.3679	-80.9547	Dutchmans Ck. @ US 21	Fairfield	19
CW-075	30501040203	34.30655655	-80.8223092	Thorntree Ck. @ SR 258	Fairfield	98,02,14w,14s
CW-076	30501040109	34.4623159	-80.76326357	Beaver Ck. @ SR 13	Kershaw	98,02,07
CW-077	30501040201	34.40394053	-80.64637501	Flat Rock Ck. @ SR 40	Kershaw	98,02,07,14w, 14s

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Catawba Basin (continued)						
CW-078	30501040202	34.40255961	-80.642109	Grannies Quarter Ck. @ SR 58	Kershaw	92,93,94,95,98,02,07,09,13,15,17,20
CW-080	30501040207	34.24392067	-80.67319643	Twenty-Five Mile Ck. @ SR 5	Kershaw	93,98,02,07,13,18,21
CW-084	30501030605	34.60023118	-80.84749766	Camp Ck. @ SR 20	Lancaster	98
CW-096	30501030401	34.88933919	-81.06922758	Wildcat Ck. @ SR 998	York	93,19
CW-154	30501040401	34.13662214	-80.76605363	Kelly Ck. @ SR 367	Kershaw	93,98,02,07,22
CW-155	30501040402	34.12962984	-80.75422565	Spears Ck. @ SC 12	Kershaw	93,98,02,07,22
CW-206	30501040406	33.946972	-80.628461	Wateree Riv. @ US 76 & 378	Richland	14,19,22
CW-210	30501030305	34.7117796	-80.80974125	Cane Ck. @ SC 9	Lancaster	93,94,98,02,07, 14w,14s,19
CW-223	30501040302	34.27133718	-80.58802133	Little Pine Ck. @ SR 132	Kershaw	93,98,02,07
CW-224	30501030407	34.8724805	-81.0735009	Fishing Ck. @ SR 163	York	93,18
CW-225	30501030402	34.89984783	-81.09173429	Fishing Ck. @ SR 503	York	93,21
CW-228	30501040203	34.29406467	-80.85949756	Sawneys Ck. @ SR 151	Fairfield	93,98,02,07
CW-233	30501030410	34.63715722	-80.927841	Fishing Ck. @ SR 77	Chester	02,20
CW-234	30501030408	34.74055456	-80.95122557	Tinkers Ck. @ SR 599	Chester	98,02,07
CW-246	30501030103	35.03576212	-80.89761484	Sugar Ck. @ gravel road off SR 64	Lancaster	93,98,02,07
CW-252	30501040105	34.48178	-80.97868	Big Wateree Ck. @ Camp Welfare Road	Fairfield	19
CW-650	30501030407	34.88303414	-81.07222961	Wildcat Ck. 20 m above Fishing Cr.	York	93,18
CW-652	30501040207	34.23575501	-80.77582475	Bell Br. @ SR 129	Kershaw	89
CW-654	30501030407	34.84377093	-81.06493009	Fishing Ck. @ SR 655	York	89,93,98,02,07,19,22
CW-655	30501030407	34.84545105	-81.06799479	Stoney Fork Ck. @ SR 739	York	89,92,22
CW-681	30501030108	35.04493912	-80.94104347	Steel Ck. @ US By-pass 21	York	93,98,02,07
CW-691	30501030503	34.65835284	-80.97706553	Beaver Dam Ck. @ SR 555	Chester	98,02
CW-692	30501040108	34.35698391	-80.96065465	Dutchman Ck. SR 21	Fairfield	98,02,07
CW-693	30501040110	34.41699099	-80.71792177	White Oak Ck. @ SR 696	Kershaw	98,02
CW-694	30501011506	35.06479913	-81.13771193	Big Allison Ck. @ SR 114	York	98,02,07
CW-695	30501030407	34.85858138	-81.05810428	Taylors Ck. @ SR 735	York	98,02,07,18
CW-696	30501011503	35.11416584	-81.12811899	Beaver Dam Ck. @ SR 114	York	98,02,07
CW-697	30501030403	34.85929537	-81.07923028	Stoney Fork Ck. @ SC 121 & 72	York	98,02

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Catawba Basin (continued)						
CW-708	30501030503	34.61472427	-80.95563349	Beaverdam Ck. @ SR 198	Chester	07
CW-709	30501011507	35.03090306	-81.10346735	Little Allison Ck. @ SC 274	York	07
CW-710	30501040204	34.31640009	-80.64160289	Sanders Ck. @ SC 97	Kershaw	07
RS-03511	30501030604	34.81479166	-80.91558	Greene Ck. @ SR 465	Chester	03
RS-06020	30501011503	35.12971281	-81.1747384	Beaverdam Ck. @ SR 64	York	06
RS-06171	30501030503	34.61054507	-80.95435848	Beaver Dam Ck. @ SR 198	Chester	06
RS-06176	30501030604	34.88824733	-80.90065004	Sixmile Ck. @ SR 691	York	06
RS-07059	30501040109	34.52554912	-80.69411404	Tranham Ck. @ SR 763	Lancaster	07
RS-07208	30501030402	34.95624628	-81.18547258	Langham Ck. @ Benfield Rd.	York	07
RS-13160	30501040207	34.21501627	-80.90069123	Twenty-Five Mile Ck. @ S-40-60 Grover Wilson Rd.	Richland	13
RS-17384	30501040206	34.184584	-80.82689	Sandy Br. @ S-28-349	Kershaw	17
RS-18408	30501040201	34.404043	-80.646187	Flat Rock Ck. @ Baron Decalb Rd.	Kershaw	18
RS-18396	30501030504	34.589687	-81.025663	Little Rocky Ck. @ S-12-35	Chester	18
RS-18416	30501030408	34.776174	-80.948652	Tinker Ck. @ Westbrook Rd.	Chester	18
RS-19484	30501011505	35.154548	-81.258832	South Fork Crowders Ck. @ S-46-148	York	19
Edisto Basin						
E-007	30502030308	33.482801	-80.873968	N Fork Edisto Riv. @ US 601 @ Orangeburg	Orangeburg	16
E-008	30502030308	33.35526299	-80.88707473	North Fork Edisto Riv. @ SR 39	Orangeburg	88,97,01,16,18,21
E-012	30502040312	33.31398921	-80.96477593	South Fork Edisto Riv. @ SR 39	Orangeburg	88,97,01,17,20
E-013	30502060103	33.241728	-80.855475	Edisto Riv. @ US 78 W Of Branchville	Orangeburg	
E-015	30502060302	33.027541	-80.392571	Edisto Riv. @ SC 61, Givhans Ferry State Park	Dorchester	16
E-029	30502040305	33.41939664	-81.22998857	Windy Hill Ck. @ SR 38	Barnwell	97,01
E-036	30502040303	33.49257991	-81.24538843	Goodland Ck. @ SC 4	Orangeburg	97,01,06,22
E-039	30502040309	33.38565987	-81.03930336	Roberts Br. @ SC 332	Orangeburg	01,22
E-042	30502030208	33.60318167	-81.04178555	Bull Swamp Ck. @ SR 189	Orangeburg	88,92,93,94,95,97,01, 06,17,20
E-055	30502050107	33.44695	-80.80195	North Fork Edisto @ SC 394	Orangeburg	16
E-076	30502050101	33.5207798	-80.77733358	Little Bull Ck. @ SC 33	Orangeburg	97
E-087	30502060303	32.912116	-80.406212	Edisto Riv. @ Sullivans Ferry	Dorchester	16,18,21
E-090	30502040103	33.72726802	-81.65545209	South Fork Edisto Riv. @ US 1	Aiken	88,92,97,01,06,22
E-100	30502050311	33.14137999	-80.34831983	Four Hole Swamp @ US 78	Dorchester	88
E-108	30502060105	33.14925775	-80.69232198	Cattle Ck. @ SR 19	Dorchester	97,01,06,17,20

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Edisto Basin (continued)						
E-109	30502060203	33.08921301	-80.52144934	Polk Swamp @ SR 19	Dorchester	97,01,06,17
E-115	30502050201	33.29615556	-80.29222474	Cedar Swamp @ Cement Bridge Rd. (=E-596)	Orangeburg	97,01,06,19,22
E-576	30502030106	33.72744467	-81.38991525	North Fork Edisto Riv. @ SR 75	Lexington	88,17
E-577	30502030105	33.73241415	-81.30318113	Black Ck. @ SR 245	Lexington	88,17
E-578	30502040102	33.75360232	-81.60165876	McTier Ck. @ SR 209	Aiken	88,92,97,01,06,09, 13,15,17,20
E-579	30502040107	33.65896998	-81.71802396	Shaws Ck. @ SR 153	Aiken	88,92,97,01,06,21
E-585	30502040207	33.555148	-81.483717	South Edisto Riv. @ Aiken State Park	Aiken	16
E-589	30502050101	33.49265577	-80.72828923	Grambling Ck. @ SR 154	Orangeburg	97,01,06
E-590	30502050101	33.50580667	-80.73362001	Bull Swamp @ SR 65	Orangeburg	97
E-591	30502030206	33.76175315	-81.12571793	Bull Swamp @ SC 6	Lexington	97
E-592	30502040309	33.43597168	-81.05288049	Roberts Swamp @ SR 690	Orangeburg	97
E-593	30502030302	33.51267729	-80.96628821	Great Br. @ SC 4	Orangeburg	97,21
E-595	30502040204	33.47232008	-81.37493634	Yarrow Br. @ SR 161	Barnwell	97,01
E-597	30502060204	33.16784278	-80.50011482	Indian Fields Ck. @ US 78	Dorchester	97,01,06
E-602	30502060302	32.954699	-80.409141	Edisto Riv. @ Good Hope Landing	Colleton	16
E-604	30502030105	33.78587307	-81.34209356	Black Ck. @ SR 278	Lexington	97,01,06,19
E-605	30502030102	33.84099611	-81.45620718	Lightwood Knot Ck. @ unnamed rd. west of SR 60	Lexington	97,01,06
E-606	30502030101	33.80204219	-81.48358135	Chinguapin Ck. @ SR 210	Aiken	97,06
RS-01034	30502040104	33.66091469	-81.5569153	Rocky Springs Ck. @ Moore Road	Aiken	01
RS-01036	30502050105	33.44412316	-80.61869154	Goodbys Swamp @ US 176	Orangeburg	01
RS-02480	30502040107	33.70401765	-81.75995265	Shaw Ck. @ SC 191	Aiken	02
RS-03344	30502040106	33.75734406	-81.78518821	Hillyer Br. @ Hillyer Bridge Road	Edgefield	03
RS-03518	30502040102	33.79643919	-81.60560747	Tributary to McTier Ck. @ Alberta Peach Road	Aiken	03
RS-04537	30502050108	33.4197799	-80.63560763	Unnamed Tributary to Four Hole Swamp @ S-38-92	Orangeburg	04
RS-07206	30502060101	33.35725936	-80.84062052	Staley Br. @ SR 117	Orangeburg	07
RS-07213	30502050108	33.40352456	-80.67156414	Mill Br. @ SR 36	Orangeburg	07
RS-09277	30502050107	33.41946545	-80.7399761	Cow Castle Ck. @ SR 198	Orangeburg	09
RS-09310	30502030103	33.75174093	-81.42890926	North Fork Edisto Riv. @ SR 242	Lexington	09
RS-17347	30502050301	33.37702334	-80.49155725	Horse Range Swamp @ US 176	Orangeburg	17

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Edisto Basin (continued)						
RS-17366	30502060106	33.175244	-80.741547	Box Br. @ S-18-19, Wire Rd.	Dorchester	17
RS-18435	30502060203	33.19121	-80.629728	Bear Br. @ S-18-53 Friendship Rd.	Dorchester	18
RS-21004	30502040309	33.460182	-81.069936	Roberts Swamp @ Norway Rd SC-400	Orangeburg	21
Pee Dee Basin						
CSTL-554	30402060902	33.850728	-78.897528	Waccamaw Riv. @ Sec Rd 105	Horry	15
CSTL-602	30402070106	33.387578	-79.314969	Whites Ck. @ US 17A/521, Georgetown	Georgetown	13
MD-109	30402060905	33.829337	-79.044481	Waccamaw Riv. @ Conway Marina	Horry	15
MD-124	30402060704	33.91211246	-78.71450105	Waccamaw Riv. @ SC 9	Horry	08,15,22
MD-136	30402060907	33.672609	-79.067517	Waccamaw Riv. 1/4 Mi Upstrm Of Jct With Intracoastal Waterway	Horry	15
MD-140	30402061003	33.507946	-79.128376	Waccamaw Riv. @ Sandy Island	Georgetown	15
MD-144	30402060905	33.755172	-79.068649	Waccamaw Riv. @ Toddville	Horry	15
MD-552	30402060803	33.849087	-79.069651	Crabtree Swamp @ US 501	Horry	14,19,22
MD-840	30402060906	33.7511	-78.9671	Trib to Cross Swamp @ Legends Dr.	Horry	20
MD-841	30402060906	33.76093	-78.95817	Trib to Socastee Swamp @ Carolina Forest Blvd.	Horry	20
MD-842	30402080301	33.75499	-78.87465	Black Ck. @ Carolina Forest Blvd.		20
PD-001	30402020305	34.63075194	-80.41956974	Lynches Riv. @ SC 265	Lancaster	94,95,98,03,08,17,20
PD-008	30402020206	34.39420902	-80.38569002	Little Lynches Riv. @ US 1	Kershaw	88
PD-012	30402010504	34.708733	-79.875144	Pee Dee Riv. @ US 1 NE Cheraw	Marlboro	15
PD-015	30402010510	34.52531644	-79.83326323	Pee Dee Riv. @ US 401	Darlington	99
PD-028	30402010808	34.3569	-79.693219	Pee Dee Riv. @ SC 34 11 Mi NE Darlington	Darlington	15
PD-038	30402031404	34.22598737	-79.13489362	Lumber Riv. @ SC 9	Horry	08,15,18,21
PD-044	30402050710	33.66214	-79.836951	Black Riv. @ US 52 @ Kingstree	Williamsburg	15,19,22
PD-046	30402050906	33.470662	-79.498218	Black Riv. @ Pine Tree Landing	Georgetown	15
PD-048	30402020705	33.839054	-79.449778	Lynches Riv. @ Johnsonville	Florence	15
PD-068	30402020301	34.631484	-80.404423	Fork Ck. @ county rd 770 1.5 MI SW Jefferson	Chesterfield	17
PD-069	30402040501	34.583036	-79.423461	Little Pee Dee Riv. @ SC 57 11.5 Mi NW of Dillon	Dillon	15
PD-071	30402020503	34.249751	-80.21345	Lynches Riv. @ US 15/SC 34	Lee	15
PD-078	30402010710	34.2566232	-79.69946927	Black Ck. @ SC 327	Florence	98,08
PD-115	30402050407	33.712861	-80.201059	Pocotaligo Riv. @ 3rd Bridge N of Manning on US 301	Clarendon	15

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin (continued)						
PD-157	30402050503	33.85248614	-80.04847416	Pudding Swamp @ US 301	Clarendon	3
PD-163	30402040401	34.39588417	-79.43819381	Reedy Ck. @ SR 48	Dillon	88
PD-169	30402020703	33.887664	-79.528633	Big Swamp @ US 378/SC 51	Florence	14
PD-172	30402050806	33.621691	-79.433265	Black Mingo Ck. @ SC 41 14 Mi NE Of Andrews	Georgetown	
PD-177	30402040701	33.975436	-79.210112	Chinner's Swamp @ S-26-24	Horry	14
PD-180	30402020103	34.74425328	-80.54156473	South Branch of Wildcat Ck. @ SR 39	Lancaster	98,03,08,14w,14s
PD-182	30402020104	34.65173264	-80.51580139	Flat Ck. @ US 601	Lancaster	88,98,03
PD-183	30402050105	34.22669689	-80.36358874	Scape Ore Swamp @ SC 34	Lee	88
PD-198	30402050303	33.87768156	-80.39198024	Cane Savannah Ck. @ SC 120	Sumter	88
PD-202	30402050401	33.804271	-80.288611	Pocotaligo Riv. @ S-43-32 9 Mi SSE Of Sumter	Sumter	15
PD-206	30402050706	33.62141763	-79.89791311	Dickie Swamp @ SR 220	Williamsburg	3
PD-227	30402050604	33.721264	-79.954145	Black Riv. @ S-45-35 8.6 Mi NW Of Kingstree	Williamsburg	15
PD-270	30402040506	34.31808414	-79.29117937	Litttle Pee Dee Riv. @ SR 22	Dillon	88
PD-283	30402040504	34.469885	-79.365323	Little Pee Dee Riv. @ Mococasin'S Bluff	Dillon	15
PD-321	30402070203	33.816195	-79.365145	Clarks Ck. @ Snow Lake Landing	Williamsburg	15
PD-333	30402020101	34.76063564	-80.47394838	Hills Ck. @ SR 105	Chesterfield	98,03,18
PD-339	30402010501	34.76728552	-79.95053184	Westfield Ck. @ US 52	Chesterfield	88,03
PD-350	30402040810	33.756771	-79.218773	Little Pee Dee Riv. Off End Of S-26-135 @ Punchbowl Landing	Horry	15,17,20
PD-351	30402040801	34.17905922	-79.12543186	Cedar Ck. @ SR 23	Horry	94
PD-352	30402040701	33.932018	-79.267177	Chinner's Swamp @ Gunters Island Rd.	Horry	14
PD-364	30402020504	34.12860739	-80.13139131	Lynches Riv. @ US 401	Lee	98,08,17,20
PD-542	30402010702	34.42240116	-80.01092016	Boggy Swamp @ SR 50 (=RS-03507)	Darlington	08,17,20
PD-608	30402020304	34.57085763	-80.32165221	Big Sandy Ck. @ SR 11	Chesterfield	88
PD-610	30402050805	33.66734453	-79.50583674	Black Mingo Ck. @ SR 121	Williamsburg	88
PD-611	30402020406	34.21927905	-80.00883919	Lake Swamp @ US 401	Darlington	88
PD-612	30402010506	34.79489726	-79.66980025	Crooked Ck. @ 609	Marlboro	88,92,93
PD-613	30402010603	34.62278471	-80.19012893	Skipper Ck. @ SC 145	Chesterfield	88,92,93,94,95,98,03,08,10,14w,14s,16,17,20

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin						
PD-617	30402050401	33.79709772	-80.33068598	Briar Br. @ SR 459	Sumter	94
PD-618	30402040506	34.33405	-79.32338	Little Pee Dee Riv. @ Floydale Bridge	Dillon	15
PD-619	30402040804	34.05683	-79.247823	Little Pee Dee Riv. @ Galavants Ferry	Horry	15
PD-621	30402070203	33.785444	-79.323384	Great Pee Dee Riv. @ Staples Lake	Williamsburg	15,19,22
PD-623	30402010710	34.250822	-79.684671	Black Ck. @ SC 327	Florence	15
PD-627	30402050404	33.7140103	-80.2737026	Big Br. @ SC 261	Clarendon	94,03,17
PD-629	30402050709	33.53852052	-79.73998895	Ox Swamp @ US 521	Williamsburg	94,03,08,18,21
PD-630	30402010904	34.08199756	-79.65793313	Willow Ck. @ SC 327	Florence	94
PD-631	30402020703	33.95181723	-79.57710947	Trib to Big Swp. @ SR 164	Florence	94,03,08,22
PD-632	30402020203	34.55120143	-80.54647093	Little Lynches Riv. @ SC 157	Lancaster	94,98,03,08,13,14,19,22
PD-636	30402050103	34.18755492	-80.38981104	Beaver Dam Ck. @ SR 313	Lee	94
PD-637	30402010802	34.47223028	-79.82760025	Buckholtz Ck. @ dirt Rd. off SR 656	Darlington	94,08,19
PD-638	30402060905	33.79808844	-79.08362737	Bear Swp. @ SR 110	Horry	94
PD-639	30402010902	34.24431208	-79.98363957	Jefferies Ck. @ SR 13	Darlington	94,08
PD-640	30402020201	34.59516388	-80.59108095	Little Lynches Riv. @ SR 88	Lancaster	94,98,03,08,21
PD-641	30402010501	34.76811909	-79.95545087	Westfield Ck. @ SR 62	Chesterfield	98,17
PD-647	30402020301	34.66839395	-80.41568365	Little Fork Ck. @ Co.Rd. 39 upstream of mine	Chesterfield	98,03,08,21
PD-656	30402040808	33.956274	-79.33255	Little Pee Dee Riv. @ Locust Tree Landing	Horry	15
PD-661	30402050910	33.450722	-79.262551	Black Riv. @ Pringle's Ferry	Georgetown	15
PD-663	30402070207	33.483223	-79.17699	Great Pee Dee Riv. @ Samworth WMA	Georgetown	15
PD-664	30402031404	34.292942	-79.078368	Lumber Riv. @ Causey Landing	Dillon	15
PD-665	30402040810	33.744614	-79.225046	Russ Ck. @ Parkers Landing	Marion	15
PD-669	30402020202	34.51624249	-80.58301932	Hanging Rock Ck. @ SR 770	Lancaster	98,03,08
PD-670	30402010603	34.66278128	-80.21160972	Black Ck. @ SR 33	Chesterfield	98,18
PD-671	30402010403	34.76271385	-80.16361792	Deep Ck. @ SR 47	Chesterfield	98,03
PD-673	30402010402	34.80307759	-80.21253508	Thompson Ck. @ SC 109	Chesterfield	98,03
PD-674	30402010602	34.7262232	-80.3512598	Big Black Ck. @ SR 683	Chesterfield	98,03
PD-675	30402010509	34.49781473	-79.99447451	Cedar Ck. @ SR 171	Chesterfield	98,08
PD-676	30402010601	34.73106632	-80.28916535	Little Black Ck. @ Zillysteen Rd. (dirt rd.)	Chesterfield	98,03
PD-677	30402010407	34.68312312	-80.09727476	North Prong Ck. @ SC 102	Chesterfield	98,03
PD-678	30402020205	34.4106539	-80.47167919	Beaver Dam Ck. @ SR 59	Kershaw	98,03,08

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin (continued)						
PD-679	30402020103	34.75957184	-80.55424453	North Branch of Wildcat Ck. @ SR 178	Lancaster	98,03,08,14w,14s,18,21
PD-693	30402050406	33.64424242	-80.14515122	Deep Ck. @ SR 25	Clarendon	03
PD-694	30402050904	33.45844718	-79.60350881	Johnson Swamp @ SR 16	Williamsburg	03
PD-695	30402050502	33.88857389	-79.95832166	Douglass Swamp @ US 378	Clarendon	03
PD-696	30402050701	33.7814503	-79.89033317	Clapps Swamp @ SR 47	Williamsburg	03
PD-697	30402050708	33.64201471	-79.77832306	Boggy Swamp @ SC 527	Williamsburg	03
PD-698	30402050902	33.55935873	-79.55661886	Burch Ck. @ SR 383	Williamsburg	03,13
PD-699	30402060802	33.943443	-78.91629809	Kingston Lake Swamp @ SR 139	Horry	03,14,19
PD-700	30402060802	33.95150341	-78.93632038	Whiteoak Swamp @ SR 97	Horry	03,22
PD-701	30402040803	34.05711508	-79.23948969	Dawsey Swamp @ SR 99	Horry	03
PD-702	30402040806	33.90983346	-79.23912082	Palmetto Swamp @ SR 99	Horry	03
PD-703	30402050802	33.72952508	-79.61886925	Paisley Swamp @ SC 261	Williamsburg	03
PD-704	30402020204	34.45392975	-80.51033203	Cow Br. @ Spears Road	Kershaw	03,08
PD-705	30402050802	33.745624	-79.6138078	Paisley Swamp @ SC 512	Williamsburg	08
PD-706	30402060802	33.97597753	-78.89847456	Kingston Lake Swamp @ SR 911	Horry	08
PD-707	30402060802	33.98645453	-78.94268297	White Oak Swamp @ Flat Top Rd.	Horry	08,19
PD-710	30402010603	34.61324662	-80.17168989	Big Black Ck. @ SR 657, Winery Rd.	Chesterfield	08
PD-711	30402010408	34.74254324	-80.08944505	Thompson Ck. @ SC 145	Chesterfield	08
PD-712	30402010508	34.50672986	-79.9799974	Little Cedar Ck. @ SR 675	Chesterfield	08
PD-713	30402010506	34.76914648	-79.67697108	Lightwood Knot Ck. @ SR 166	Marlboro	08,19
PD-714	30402050704	33.66673424	-79.84729716	Black Riv. @ Gilland Memorial Park above Kingstree Swamp Canal	Williamsburg	08
PD-715	30402070206	33.66415	-79.13552	Bull Ck. @ Fort Harrelson	Horry	15
PD-716	30402040602	34.062319	-78.902209	Gaskins Branch @ SC 9	Horry	20
RS-01013	30402010403	34.7520656	-80.19513434	Deep Ck. @ SC 9	Chesterfield	01
RS-01058	30402020103	34.74423422	-80.54154409	South Fork of Wildcat Ck. SR 39	Lancaster	01
RS-02311	30402010702	34.45218359	-80.01898607	Boggy Swamp @ SR 50	Darlington	02
RS-03345	30402050303	33.83394332	-80.46199474	Brunson Swamp Ck. @ SR 251	Sumter	03
RS-03507	30402010702	34.42240116	-80.01092016	Boggy Swamp @ SR 50 (=PD-542)	Darlington	03
RS-04523	30402010606	34.51558777	-80.18311963	Little Aligator Ck. @ US 1	Chesterfield	04
RS-04533	30402050903	33.5254858	-79.67257303	Spring Gully Swamp @ US 521	Williamsburg	04

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin (continued)						
RS-08233	30402020104	34.63503148	-80.46398682	Flat Ck. @ SR 99	Lancaster	08
RS-17360	30402010403	34.765372	-80.196436	Gulpins Br. @ S-13-136	Chesterfield	17
RS-20548	30402010703	34.413059	-79.940837	Seed Branch @ Dovesville Hwy. bridge between Bethlehem Rd. and Leavensworth Rd.	Darlington	20
RS-21017	30402020204	34.466489	-80.466274	Unnamed Trib to Little Lynches Riv @ Mill Ck Rd.	Kershaw	21
RS-21041	30402010402	34.790803	-80.265666	Thompson Ck.@ Hornsboro Rd.	Chesterfield	21
Salkehatchie Basin						
CSTL-009	30502080402	32.83535035	-81.13348157	Coosawhatchie Riv. @ US 601	Hampton	88
CSTL-011	30502080401	32.82873265	-81.09195575	Sanders Br. @ S-50	Hampton	96,00,05,10,13,18,21
CSTL-014	30502070803	32.908214	-80.667231	Ireland Ck. @ Hwy 64	Colleton	15
CSTL-044	30502070803	32.97809692	-80.62900879	Ireland Ck. @ S.R. 116	Colleton	96
CSTL-048	30502070603	33.112873	-81.185407	Salkehatchie Riv. @ U.S. 301 & 321	Allendale	16
CSTL-051	30502070201	32.98436615	-81.17900414	Jackson Ck. @ S-18	Allendale	96,00,05,15
CSTL-053	30502070602	33.07345072	-81.03368021	Savannah Ck. @ S.R.-87	Bamberg	96,00,10,18
CSTL-056	30502070103	33.31165894	-81.35713311	Turkey Ck. @ S.R.-169	Barnwell	96,00
CSTL-097	30502070104	33.28754655	-81.43174655	Salkehatchie Riv. @ SR 166	Barnwell	88,92,93,94,19
CSTL-120	30502070508	32.888199	-80.874796	Little Salkehatchie Riv. @ SC 63	Colleton	16
CSTL-540	30502080202	32.9461415	-81.29853996	Coosawatchie Riv. @ S-350	Allendale	96,00,10,15,17,20
CSTL-550	30502070201	33.03674768	-81.33528789	Log Br. @ SR 53	Allendale	88
CSTL-551	30502071001	32.78123816	-80.63766984	Ashepoo Riv. @ SR 41	Colleton	88
CSTL-552	30502070508	32.88759967	-80.87074438	Little Salkehatchie Riv. @ SC 63	Colleton	88
CSTL-562	30502070606	32.983551	-81.050604	Salkehatchie Riv. @ US 601	Hampton	16,22
CSTL-566	30502070401	33.3109883	-81.19232518	Little Salkehatchie Riv. @ SC 70	Bamberg	96,00,10
CSTL-569	30502070604	32.90893055	-80.93754379	Ricepatch Ck. @ SC 63	Colleton	00
CSTL-570	30502070505	32.99563284	-80.91618462	Willow Ck. @ SR 42	Colleton	00,13
CSTL-576	30502070302	33.23475352	-81.00632193	Lemon Ck. @ S-74	Bamberg	96,00,22
CSTL-577	30502070106	33.2489648	-81.31417038	Toby Ck. @ S.R.-29	Barnwell	96,00,05,10,17,20
CSTL-578	30502070102	33.30057491	-81.4313324	Buck Ck. @ S.R.-167	Barnwell	96
CSTL-579	30502070109	33.15948966	-81.1883533	Birds Br. @ S.R. 567	Bamberg	96,00,05,09,10,15,19,22

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Salkehatchie Basin (continued)						
CSTL-580	30502070903	32.91400987	-80.52840385	Chessey Ck. @ S.R. 45	Colleton	96,00,05
CSTL-581	30502070903	32.93211453	-80.56922393	Fuller Swamp Ck. @ US 17A	Colleton	96,00,15,18,21
CSTL-582	30502080302	32.68486819	-81.05247128	Cypress Ck. @ SC 3	Jasper	96,00,05
CSTL-583	30502070701	32.76957834	-80.83771532	Black Ck. @ US 21	Colleton	96,00,05,13,16,18
CSTL-584	30502070804	32.77122957	-80.70814939	Remick Swamp Ck. @ SR 41	Colleton	96,00,05,10
CSTL-585	30502070508	32.80929917	-80.8566616	Sandy Run Ck. @ US 21	Colleton	96,00,05,10,13,19
CSTL-588	30502070101	33.30487771	-81.45554533	Rosemary Ck. @ SR 167	Barnwell	00,10
RS-02472	30502070110	33.11764685	-81.22661031	Wells Br. @ SC 300	Allendale	02
RS-02488	30502080401	32.86742589	-81.09883057	Sanders Br. @ Paved Road off SC 363 north of Hampton city limits	Hampton	02
RS-03356	30502070802	32.93723661	-80.68380046	Wolf Ck. @ SR 24	Colleton	03
RS-03520	30502070804	32.82876571	-80.67212487	Asheppo Riv. @ SR 88	Colleton	03
RS-09282	30502080202	32.99590164	-81.32502551	Coosawhatchie Riv. @ SR 22	Allendale	09
RS-18418	30502070105	33.188793	-81.328286	Hurricane Ck. @ SC 300 Dandd Rd.	Barnwell	18
RS-21048	30502070801	32.891195	-80.697167	Unnamed Trib to Great Swamp @ Beach Rd.	Colleton	21
Saluda Basin						
C-005	30501100104	33.94365143	-81.07901711	Six Mile Ck. @ US 21	Lexington	97
C-007	30501100403	33.752941	-80.645021	Congaree Riv. @ US 601	Calhoun	14
C-007K	30501110109	33.731269	-80.627588	Santee Riv. @ Trezvant's Landing	Sumter	14,17,20
C-009	30501100302	33.80158583	-80.9667666	Sandy Run Ck. @ US Hwy 176	Calhoun	97,01,06,22
C-010	30501100308	33.75933415	-80.9142567	Big Beaver Ck. @ US Hwy 176	Calhoun	97,01,06
C-061	30501100104	33.92634531	-81.10961837	Savana Br. @ SR 72	Lexington	97,01,22
C-069	30501100306	33.89722002	-80.81915389	Cedar Ck. @ SR 66	Richland	97,01,06,21
C-071	30501100305	33.8409536	-80.86015094	Cedar Ck. @ SR 734	Richland	97,01,06
C-074	30501100310	33.809074	-80.867043	Congaree Riv, West Boundary Of Congaree Swp NP	Richland	14
C-565	30501100102	33.87274595	-81.2811334	Congaree Ck. @ SR 34	Lexington	93,94,95,97,01,06, 17,20
C-566	30501100300	34.059055	-80.898267	Gills Ck. @ Alpine Rd., Ft. Jackson	Richland	93
C-577	30501100309	33.72233938	-80.77968968	Bates Mill Ck. @ SR 24	Calhoun	97
C-578	30501100306	33.84073702	-80.86004524	Myers Ck. @ SR 734	Richland	97,01,06
C-579	30501100401	33.82279493	-80.72645671	Toms Ck. @ Power Line and RR Track	Richland	97,01,19

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (continued)						
C-580	30501100101	33.91962473	-81.27102264	Red Bank Ck. @ unnumbered Rd. connecting SR 1260 and SR 243	Lexington	97,01,06,22
CSB-001R	30501100301	33.988046	-81.04601	Congaree Riv. @ Blossom St, Broad Riv. Side	Richland	17
C-583	30501100103	33.871494	-81.14994317	Second Ck. @ SR 647	Lexington	97,01,06,22
RS-01012	30501091403	34.08810715	-81.19856042	Rawls Ck. @ SR 175 (in Irmo)	Lexington	01
RS-01044	30501091206	34.20480045	-81.62662256	Bush Riv. @ SC 395	Newberry	01
RS-02462	30501090305	34.60378846	-82.42750225	Grove Ck. @ SR 52	Greenville	02
RS-03346	30501090701	34.21689187	-82.16865192	Rocky Ck. @ SC 72 by-pass and SC 254	Greenwood	03
RS-04364	30501090802	34.48973824	-82.42540206	Broad Mouth Ck. @ SR 265	Anderson	04
RS-04521	30501100402	33.75344892	-80.66193203	Buckhead Ck. @ SR 151	Calhoun	04
RS-04526	30501090907	34.27254326	-81.85581869	Mudlick Ck. @ dirt Road off SR 22	Newberry	04
RS-04530	30501090203	35.10404748	-82.54825423	Middle Saluda Riv. just downstream of Oil Camp Ck. near Jones Gap	Greenville	04
RS-05398	30501091003	33.96950558	-81.5588654	West Ck. @ SR 105	Greenwood	05
RS-06151	30501090302	34.86267438	-82.56535937	Burdine Ck. @ SR 192	Pickens	06
RS-06167	30501090404	34.7588864	-82.31695609	Unnamed Trib. to Reedy Riv. @ Planters Drive	Greenville	06
RS-07046	30501090702	34.18948118	-82.01695456	Wilson Ck. @ SR 397	Greenwood	07
RS-07215	30501090301	34.92824726	-82.56494108	Dotties Ck. @ Old Dacusville Rd.	Pickens	07
RS-09097	30501091305	34.20039079	-81.48681562	Camping Ck. @ SR 202 (S-290)	Newberry	09
RS-09114	30501091003	33.99692847	-81.55999656	West Ck. @ SR 189	Saluda	09
RS-09116	30501090806	34.33183373	-82.02818236	Trib to Cane Ck. @ SR 19	Laurens	09
RS-09290	30501090904	34.35505026	-81.88631717	Simmons Ck. @ SR 38	Laurens	09
RS-09312	30501100306	33.9272234	-80.81907373	Cedar Ck. @ SR2561, near Beulah Ch. and McIntyre Gate	Richland	09
RS-09323	30501100201	34.06525093	-80.95356667	Lightwood Knot Br. @ Trenholm Road Extension	Richland	09
RS-17353	30501091204	34.632183	-81.7857473	Bush Riv. @ SC 560	Laurens	17
RS-17381	30501090403	34.6546354	-82.3254707	Huff Ck. @ SR 459	Greenville	17
RS-17357	30501090501	34.63610724	-82.22496029	Payne Br. @ S-23-451	Greenville	17
RS-18426	30601030512	34.241129	-82.469051	Little Riv. @ SC 28	Abbeville	18
RS-19446	30501090901	34.513034	-82.062309	Reedy Fork @ Gristmill Rd.	Laurens	19
RS-20509	30501090302	34.87163	-82.550667	Georges Ck. @ culvert passing under Franklin Finley Rd.	Pickens	20

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (continued)						
RS-21019	30501080101	34.976855	-82.351557	Enoree Riv. @ Sandy Flat Rd.	Greenville	21
S-004	30501090102	34.9789032	-82.52201756	North Saluda Riv. @ SR 89	Greenville	01,16,19
S-007	30501090307	34.799083	-82.469942	Saluda Riv. @ SC 81 SW Of Greenville	Anderson	14
S-011	30501090307	34.84665	-82.4567	Reedy Riv. @ Roe Ford Road (=S-928)	Greenville	05,08
S-047	30501091207	34.183927	-81.726093	Saluda Riv. @ SC 121	Saluda	14,17
S-052	30501091402	34.00049739	-81.19521695	Twelve Mile Ck. @ SR 106	Lexington	96,97,06,21
S-070	30501090602	34.50653152	-82.22199713	Reedy Riv. @ US 76	Laurens	04,08
S-072	30501090404	34.65271321	-82.29753152	Reedy Riv. @ Jenkins Bridge Rd.	Greenville	08,22
S-076	30501090203	35.12538762	-82.57394793	Middle Saluda Riv. @ Jones Gap St. PK	Greenville	89,92,97,01,06
S-086	30501090202	35.06383343	-82.64833395	Matthews Ck. @ SR 90	Greenville	97,01,06,09,13
S-091	30501090404	34.70239977	-82.29879202	Rocky Ck. @ SR 453	Greenville	97,01,04,05,06,08, 19,22
S-096	30501090503	34.38212872	-82.10254545	Rabon Ck. @ Sec. Rd. 54	Laurens	89,92,97,01,06,21
S-100	30501090908	34.23495934	-81.806291	Little Riv. @ SR 48	Newberry	97,01,06,21
S-103	30501090201	35.00259958	-82.62279219	Oolenoy Riv. @ SR 47	Pickens	97,01,06,17
S-111	30501091001	33.94519918	-81.6224168	Cloud Ck. @ US 178	Saluda	97,20
S-112	30501091001	33.93989053	-81.61274328	Moores Ck. @ Hwy. 178	Saluda	92,97,01,22
S-139	30501090404	34.77646	-82.34435193	Laurel Ck. @ Mauldin Road (Butler Rd)	Greenville	05,08,20
S-169	30501090307	34.648726	-82.454848	Saluda Riv. @ Pelzer "Timmerman Ramp"	Greenville	14
S-184	30501090701	34.24247774	-82.10236149	Coronaca Ck. @ SC Hwy 221	Greenwood	97,01,17
S-186	30501091202	34.167396	-81.907688	Saluda Riv. @ SC 34 6.5 Mi ESE Of 96	Greenwood	14
S-235	30501090702	34.18691211	-81.99822435	Wilson Ck. @ SR 124	Greenwood	97,01,06,20
S-260	30501091403	34.04696341	-81.14923152	Kinley Ck. @ St. Andrews Road	Lexington	97,01,06,13,14
S-265	30501090401	34.88427033	-82.4238718	Langston Ck. @ Old Buncomb Road	Greenville	05,08,21
S-287	30501091403	34.05384144	-81.18636514	Rawls Ck. @ SR 107	Lexington	97,06,13,21
S-290	30501091305	34.20036	-81.48683	Camping Ck. @ S-36-202	Newberry	18
S-298	30501091403	34.013855	-81.087809	Saluda Riv. @ USGS Gaging Stn, 1/2 Mi Below I-20	Richland	14
S-301	30501090303	34.71257738	-82.46814433	Brushy Ck. @ SR 143	Anderson	97,01,06,21
S-302	30501090306	34.57332503	-82.43148719	Big Ck. @ SR 116	Anderson	97,01,06,20
S-317	30501090203	35.11182546	-82.54895379	Oil Camp Ck. @ SR 97	Greenville	97,01,06,22
S-507	30501091403	34.029981	-81.114457	Stoop Ck. @ Bush Riv. Rd.	Lexington	14w,14s

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (continued)						
S-771	30501090202	35.07052517	-82.60722928	South Saluda Riv. @ SC Hwy. 11	Greenville	89,92,94,95,97,01,06,19,22
S-773	30501090102	35.11143393	-82.45499495	North Saluda Riv. @ US Hwy 25	Greenville	89,92,97,01,06,16,19
S-774	30501090305	34.66848203	-82.42816756	Grove Ck. @ Sec. Rd. 541	Greenville	89,92,97,01,06
S-775	30501090802	34.46766561	-82.35444761	Broad Mouth Ck. @ Sec. Rd. 81	Anderson	89,92,93,94,95,97,01,06,18,21
S-776	30501090802	34.50635722	-82.44507817	Trib.Broad Mouth Ck. @ Sec. Rd.205	Anderson	89,92,97,01
S-777	30501091103	34.06032366	-81.76348436	Big Ck. @ SC Hwy 121	Saluda	89
S-778	30501090602	34.5512228	-82.24111249	Reedy Riv. @ Sec. Rd. 68 (=RS-17370)	Greenville	89,92,01,04,06,08,09,15,17
S-804	30501090806	34.33140895	-82.02486237	Cane Ck. @ Sec.Rd. 19	Laurens	92,93,97,01
S-808	30501091307	34.11749762	-81.52357703	Trib. to Timothy Ck. @ SR 244	Newberry	97,14
S-833	30501090404	34.68362221	-82.30559383	Reedy Riv. @ SR 542	Greenville	06,08,21
S-834	30501090403	34.62454135	-82.30352714	Reedy Riv. @ SR 154	Greenville	06,08
S-835	30501090602	34.58180191	-82.27420102	Reedy Riv. @ SR 985	Greenville	06,08
S-848	30501091402	34.00940237	-81.20262437	Fourteen Mile Ck. @ SR 28	Lexington	97,01,06,13,21
S-850	30501091305	34.15986589	-81.46145588	Camping Ck. @ Sr 72	Newberry	97,06,14w,14s
S-851	30501091206	34.16844681	-81.61023518	Bush Riv. @ SR 244	Newberry	97,06,19
S-852	30501091203	34.17523328	-81.64676073	Beaverdam Ck. @ SR 83	Newberry	97,01,20
S-855	30501091103	34.07253517	-81.71969862	Big Ck. @ SR 122	Saluda	97,09,13,14
S-856	30501090704	34.15723896	-81.94394213	Ninety Six Ck. @ SR 42	Greenwood	97,01,06
S-858	30501090804	34.34199467	-82.19022959	Turkey Ck. @ SR 96	Greenwood	97,01,06,22
S-859	30501090502	34.55579393	-82.14330622	Mountain Ck. @ SR 32	Laurens	97,01,06,22
S-860	30501090501	34.54961557	-82.18552598	South Rabon Ck. @ SR 77	Laurens	96,97,01,06,22
S-861	30501090604	34.39206168	-82.14886272	Walnut Ck. @ SR 64	Laurens	96,97,01,04,06,19,22
S-862	30501090601	34.52386657	-82.26264536	Horse Ck. @ SR 69	Greenville	97,01,04,05,06,08,20
S-863	30501090403	34.65463538	-82.32547071	Huff Ck. @ SR 459	Greenville	97,01,04,06,21
S-864	30501090801	34.53033274	-82.35084528	Mountain Ck. @ SR 51	Greenville	97,01,06
S-865	30501090302	34.86530417	-82.53051667	Georges Ck. @ road above SR 36	Pickens	97,01,06,18
S-866	30501090301	34.94758932	-82.53472986	Shoals Ck. @ SR 140	Pickens	97,01,06

S-867	30501090402	34.79843933	-82.39141663	Brushy Ck. @ SR 30	Greenville	97,01,04,05,08,17

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (continued)						
S-868	30501090401	34.91070487	-82.44790194	Reedy Riv. @ SR 133	Greenville	97,17
S-928	30501090401	34.94090063	-82.46532386	Reedy Riv. @ SR 88 (= S-011)	Greenville	01,17
S-955	30501100301	33.964821	-81.036267	Congaree Riv. @ Rosewood Landing	Richland	14
S-972	30501090404	34.72413563	-82.30866576	Baldwin Ck. @ Moore Road	Greenville	04,05,08,18
S-979	30501090802	34.4898	-82.4254	Broad Mouth Ck. @ SR 265	Anderson	05,08,20
S-980	30501090204	34.96833947	-82.55130895	Carpenter Ck. @ Pace Bridge Road NE of SC 186/SC 135 intersection	Pickens	05,08
S-981	30501090402	34.85511982	-82.38401322	Richland Ck. @ E. North Street	Greenville	05,08,15
S-982	30501090404	34.66917591	-82.29627422	Harrison Ck. @ S. Harrison Bridge Road	Greenville	05,08
S-983	30501090403	34.71340065	-82.35446864	Huff Ck. Creek @ Griffin Mill Road	Greenville	05,08,20
S-984	30501090403	34.66130683	-82.34655967	Tributary to Baker Ck. @ Alverson Road	Greenville	05,08
S-985	30501090403	34.62627412	-82.30857792	Little Ck. @ Berry Road	Greenville	05,08,20
S-986	30501090602	34.58541514	-82.24853733	Martin Ck. @ Craigs Road	Greenville	05,08
S-987	30501090602	34.49900164	-82.2325762	Ware Shoals east #1 @ SR 347	Laurens	05,08
S-988	30501090604	34.40169519	-82.17201877	Walnut Ck. @ SR 36 (Ekom Beach Road)	Laurens	05,08
S-989	30501090804	34.38308405	-82.29177367	Gibson Ck. @ Bolt Road	Abbeville	05,08
S-990	30501090801	34.53078334	-82.35066529	Trib to Mountain Ck. @ Oak Hill Drive west of US 25-McCollough School Rd. intersec	Greenville	05,08,18,20
S-991	30501090301	34.94144997	-82.57324875	Shoal Ck. @ Deer Ck. Road NE of SC 186/SC 135 intersection	Pickens	05,08
S-999	30501090201	35.033932	-82.701271	Green Ck. behind nature ctr @ Table Rock State Park	Pickens	09
S-1001	30501090101	35.174277	-82.403193	Posey Ck. @ SR 17, Bridge nearest the end of Page Mountain Rd.	Greenville	09,10,14,16,18,21
S-1002	30501091403	34.046291	-81.190829	Saluda Riv. @ Hope Ferry Landing	Lexington	14
S-1003	30501090307	34.85119	-82.48514	Saluda Riv. @ S-23-63, below dam	Greenville	14
S-1004	30501090402	34.859074	-82.384191	Richland Ck. @ Spartanburg St. Greenville	Greenville	15
S-1005	30501090402	34.845228	-82.387383	Richland Ck. @ Cleveland Park, Greenville	Greenville	15
S-1007	30501100301	33.99664	-81.05106	Congaree Riv. @ 90m ups. of Gervais St. Brdg on Broad Riv. side	Richland	17
S-1008	30501090302	34.889378	-82.610611	Jones Ck. 0.16 miles from Hood Rd. just below fork	Pickens	18
S-1009	30501090302	34.884208	-82.606658	Jones Ck. near Semper Fi Rd.	Pickens	18
S-1010	30501090302	34.872706	-82.588908	Jones Ck. @ Holly Bush Rd.	Pickens	18

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Santee Basin (continued)						
C-014	30501110101	33.66687751	-80.61269705	Warley Ck. @ SC 267	Calhoun	02
C-015	30501110104	33.60561	-80.641692	Halfway Swamp Ck. @ SC 33	Calhoun	20
C-017	30501100203	33.94814	-80.9891	Gills Ck. @ SC 48 Bluff Rd.	Richland	18
CSTL-062	30502010701	33.214924	-79.975144	Tail Race Canal @ US 52 & 17A Below Lake Moultrie	Berkeley	16
CSTL-112	30501120302	33.208332	-79.469035	Wambaw Ck. @ Extension of S-10-857 (Bridge Boat Landing)	Charleston	15
CSTL-594	30501120206	33.260767	-79.658128	Du Tart Ck. @ SC 45	Berkeley	13,19
CSTL-595	30502010201	33.316564	-79.937964	Trib to Gravel Hill Swamp @ Mendel Riv.s Rd./Magnolia	Berkeley	13,19
CSTL-596	30501120302	33.119547	-79.537625	Mechaw Ck. @ Palmers Bridge Rd.	Charleston	13
CSTL-597	30502010301	33.135511	-79.800001	Huger Ck.@ Forest Rd. 159	Berkeley	13,17,20
CSTL-598	30502010301	33.131267	-79.783897	Turkey Ck. @ SC 41	Berkeley	13,19
CSTL-599	30502010302	33.170506	-79.769311	Nicholson Ck. @ SC 41	Berkeley	13
CSTL-600	30502090201	33.045583	-79.625647	Steed Ck. @ Eden Bridge Rd.	Charleston	13,19
CSTL-601	30502010601	32.991594	-80.206222	Sawmill Br. @ S-18-706/Luden Dr., Summerville	Dorchester	13
CSTL-603	30502090201	33.035033	-79.673756	Cooter Ck. @ Willow Hall Road	Charleston	14,19
CSTL-604	30502010701	33.197297	-80.015553	California Br. @ Hwy 6	Berkely	14
CSTL-605	30502010304	33.08354	-79.777614	Washaw Ck. @ Steed Ck. Rd	Berkeley	15,19,22
CSTL-606	30502010203	33.22069	-79.95069	Broad Axe Br. @ Old Cherry Hill Rd	Berkeley	15
CSTL-607	30502010506	33.0231	-80.2523	Rumphs Hill Ck. @ W. Butternut Rd.	Dorchester	20
CSTL-608	30502010506	33.0057	-80.2564	Hurricane Branch @ Central Ave.	Dorchester	20
CSTL-609	30502010604	32.92312	-80.07275	Trib to Popperdam Ck. @ Business Cir	Charleston	20
CSTL-610	30502010604	32.92832	-80.07562	Popperdam Ck. @ Ashley Phosphate Rd.	Charleston	20
CSTL-611	30502010604	32.925165	-80.116408	Coosaw Ck.@ Club Horse Dr.	Dorchester	20
CSTL-612	30502010706	33.02402	-80.10401	Stroberfield Branch @ end of dirt rd past end of Kent St.	Berkeley	20
CSTL-613	30502010601	33.01264	-80.17647	Trib to Sawmill Branch @ S. Gum St.	Dorchester	20
RS-04389	30501110101	33.66042304	-80.63097722	Warley Ck. @ SR 287	Calhoun	04
RS-05399	30501120102	33.54001028	-80.13763254	Bennets Br. @ SR 351	Clarendon	05

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Santee Basin (continued)						
ST-001	30501120206	33.304601	-79.678319	Santee Riv. @ SC 41/US 17A NE Of Jamestown	Berkeley	16
ST-017	30501110106	33.60982074	-80.38962576	Jacks Ck. @ SR 26	Clarendon	7
ST-532	30501120101	33.449387	-80.160083	Santee Riv. Below Lake Marion (Wilsons)	Clarendon	16
ST-527	30501110109	33.75317268	-80.53536484	Tavern Ck. @ SR 808	Sumter	92,93,94,95,02,07, 10,14,16,18,21
ST-533	30501110103	33.64112116	-80.71844969	Lyons Ck. @ SC 6	Calhoun	02,07,17
ST-534	30501110104	33.62541297	-80.66004974	Halfway Swamp Ck. @ SR 157	Calhoun	02,17
ST-535	30501110102	33.66827186	-80.48041251	Spring Grove Ck. @SR 26	Clarendon	02,21
ST-536	30501120102	33.53989259	-80.13753118	Bennetts Br. @ SR 351	Clarendon	02,07,17
ST-537	30501120102	33.54437744	-80.08606431	Doctor Br. @ SR 48	Clarendon	02,07,18
Savannah Basin						
RS-01049	30601030510	34.20777469	-82.41475227	Calhoun Ck. @ SC 28	Abbeville	01
RS-02478	30601030512	34.12554416	-82.51586865	Little Riv. @ SR 308	Abbeville	02
RS-03342	30601070106	33.91609896	-82.17797193	Doctors Br. @ SR 21	McCormick	03
RS-03506	30601010701	34.7509237	-82.60100602	Charles Ck. @ unnumbered Ridge Road off SR-485	Anderson	03
RS-03510	30601030711	33.89638589	-82.35364385	Unnamed tributary to Baker Ck. @ SR 21	McCormick	03
RS-04380	30601020304	34.61960951	-83.18099889	Unnamed Tributary to Chauga Riv. @ SR 142	Oconee	04
RS-04544	30601060601	33.51610045	-81.99088995	Tributary to Savanah Riv. @ Riv. Rapids Subdivision	Aiken	04
RS-05412	30601010503	34.62361838	-82.99464525	Snow Ck. @ SR 51	Oconee	05
RS-05574	30601030608	34.02182029	-82.31305999	Rocky Br. @ SR 177	Greenwood	05
RS-05586	30601030504	34.33863351	-82.50711946	Unnamed Trib. to Johnson Ck. @ SR 352, 2nd Bridge from SC 201	Abbeville	05
RS-06190	30601030602	34.24309751	-82.35305975	Baileys Ck. @ SR 171	Abbeville	06
RS-07222	30601030603	34.20889166	-82.26793978	Johns Ck. @ SR 61	Abbeville	07
RS-08082	30601060205	33.52028056	-81.8479378	Horse Ck. @ SR 254	Aiken	08
RS-08089	30601010501	34.73807594	-83.11417687	White Fork @ Stribling Shoals Rd.	Oconee	08
RS-09107	30601010502	34.69985293	-83.01706825	Richland Ck. @ SR 135	Oconee	09
RS-09112	30601030504	34.29601213	-82.46510265	Johnson Ck. @ SR 184, just west of SC 201	Abbeville	09
RS-17349	30601060904	32.876324	-81.428588	King Ck. @ SC 3	Allendale	17
RS-17377	30601060702	33.068705	-81.407278	Trib to Miller Ck. @ SC 125	Allendale	17
RS18429	30601010701	34.723866	-82.615821	Pickens Ck. @ Hamlin Rd. S-4-485	Anderson	18

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (continued)						
RS-19465	30601060201	33.676211	-81.813227	Unnamed Trib to Little Horse Ck. @ Sunny Brooke Rd	Aiken	19
RS-20545	30601070106	33.968728	-82.139034	Little Ck. @ bridge on S-24-112/Long Cane Rd.	McCormick	20
RS-21038	30601070107	33.899416	-82.253678	Rocky Ck. @ S-33-86, Cimmaron Rd.	McCormick	21
SV-044	30601030204	34.37891893	-82.56000145	Hen Coop Ck. @ SR 244	Anderson	96,00,05,18
SV-054	30601030605	34.13852901	-82.35143691	Double Br. @ SR 33	Abbeville	87,90,96,17
SV-056	30601030609	34.08819797	-82.32058206	Long Cane Ck. @ SR 33	Abbeville	87,90,00,17
SV-062	30601070108	33.87753743	-82.23236105	Stevens Ck. @ SR 22	McCormick	87,90
SV-063	30601070303	33.72945317	-82.1822998	Stevens Ck. @ SC 23	McCormick	87,90,96,00,05,10, 13,17,20
SV-069	30601060203	33.5544336	-81.78865322	Sand Ck. @ SC 421	Aiken	96,00,05,10
SV-072	30601060205	33.48552047	-81.89616937	Horse Ck. @ SR 145	Aiken	00
SV-101	30601030402	34.37347514	-82.77376748	Big Generostee Ck. @ SC 187	Anderson	87,90,96,00,19
SV-108	30601020502	34.6036631	-83.09786164	Choestoea Ck. @ SR 49	Oconee	96,00,05
SV-109	30601030404	34.27419048	-82.73185773	Little Generositee Ck. @ SC 184	Anderson	96,00,05,22
SV-118	30601060905	32.937991	-81.50212	Savannah Riv. @ US 301 12.5 Mi SW Allendale	Allendale	16
SV-135	30601010602	34.67291056	-82.78772399	Eighteen Mile Ck. @ SR 140	Anderson	96,00,21
SV-141	30601030202	34.47674037	-82.59010404	Broadway Ck. @ U.S. 76	Anderson	96
SV-151	30601070101	34.12651997	-82.18671581	Hard Labor Ck. @ SR 164	Greenwood	96,00,05,20
SV-164	30601030502	34.34120024	-82.46077918	Little Riv. @ SR 24	Abbeville	96,00,05,21
SV-171	30601030511	34.08342772	-82.47604884	Calhoun Ck. @ SR 40	Abbeville	87,90,93,94,95,96, 00,05,18
SV-175	30601060705	33.07311278	-81.47718956	Lower Three Runs Ck. @ SR 125	Allendale	87,90
SV-180	30601010703	34.65616598	-82.64149611	Six & Twenty Ck. @ S.R. 174	Anderson	92,93,94,95,00,05, 17,20
SV-185	30601030206	34.32931516	-82.64073434	Wilson Ck. @ SC 413	Anderson	96,00,05
SV-192	30601030513	34.01368217	-82.46532348	Little Riv. @ SR 19	McCormick	00
SV-199	30601020209	34.81405995	-83.30594619	Chattooga Riv. @ US 76	Oconee	87,90
SV-201	30601020304	34.68545638	-83.15139469	Chauga Riv. @ US 76	Oconee	87,90,92
SV-205	30601010801	34.77941015	-82.84855492	Six Mile Ck. @ SR 160	Pickens	96,00,05
SV-206	30601010402	34.92112238	-82.71949934	North Fork of Twelve Mile Ck. @ US 178	Pickens	96,00,05,17
SV-225	30601020303	34.65731787	-83.18110147	Toxaway Ck. @ SR 34	Oconee	87,90,96,00,05,09, 13,15,17,20

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (continued)						
SV-227	30601020204	34.91920428	-83.1687173	Chattooga Riv. @ SC 28	Oconee	87,90,96,00,10,14,16,19,22
SV-230	30601010202	34.95812944	-82.85319035	Eastatoe Ck. @ SR 143	Pickens	87,90,92,93,94,95,00,18,19,21
SV-250	30601060205	33.47825685	-81.90754122	Horse Ck. @ SC 125	Aiken	87,90
SV-286	30601060505	33.38434366	-81.61579683	Upper Three Runs Ck. @ US 278	Aiken	87
SV-294	30601060105	33.654508	-82.199382	Stevens Ck. Reservoir Headwaters @ Clarks Hill Dam Boat Ramp	McCormick	16
SV-308	30601020204	35.00406389	-83.05442144	East Fork of the Chattooga Riv. @ SC 107	Oconee	96,00,05,15,18,21
SV-318	30601030609	34.00041676	-82.35216303	Long Cane Ck. @ SR 117	McCormick	87,90,96,00,05,10,17,20
SV-323	30601060607	33.371432	-81.944435	Savannah Riv. @ Lock And Dam	Aiken	16
SV-328	30601060703	33.1759685	-81.48074482	Lower Three Runs Ck. @ SR 20	Barnwell	00
SV-341	30601010202	34.94919541	-82.83309687	Little Eastatoe Ck. @ SR 49	Pickens	96,00,05,22
SV-342	30601010305	34.76653493	-83.02571045	Cane Ck. @ SR 133	Oconee	96,00,21
SV-343	30601010305	34.76926882	-83.01150169	Little Cane Ck. @ SR 133	Oconee	96,00,05,09,13,17,20
SV-345	30601020505	34.54065349	-82.95809928	Beaver Dam Ck. @ SR 66	Oconee	96,00,05
SV-348	30601030512	34.16707309	-82.49539717	Little Riv. @ SR 32	Abbeville	87,90,96,00,17
SV-349	30601030606	34.21771602	-82.30373968	Long Cane Ck. @ SR 159	Abbeville	96,00,05
SV-350	30601060403	33.34300588	-81.82199104	Hollow Ck. @ SR 5	Aiken	96,00,10
SV-351	30601070106	33.92417138	-82.17959858	Cuffytown Ck. @ SR 138	McCormick	96,00,05,17
SV-353	30601070207	33.79981006	-82.12331455	Beaverdam Ck. @ SR 621	Edgefield	96,05,09,13,14,18,21
SV-644	30601030508	34.12544145	-82.54991665	Gill Ck. @ SR 32	Abbeville	87,90,96,00,05,20
SV-650	30601030203	34.36065933	-82.57635176	Rocky Riv. @ SC 413	Anderson	87,90,96,00,22
SV-673	30601020403	34.72122399	-83.29638147	Brasstown Ck. @ SR 48	Oconee	87,90,96,00
SV-674	30601020403	34.68186145	-83.32864654	Brasstown Ck. dirt rd 300 m fr Tugalloo Riv.	Oconee	87,17
SV-675	30601020301	34.83330445	-83.1745989	Chauga Riv. @ SR 193	Oconee	87,90,96,00,22
SV-676	30601010202	35.04531765	-82.80258772	Rocky Bottom Ck. @ US 178	Pickens	87,90,96,00,05
SV-678	30601030512	34.11058799	-82.51115649	Little Riv. @ SC 72	Abbeville	87,90
SV-679	30601060204	33.56796137	-81.87216178	Little Horse Ck. @ SR 33	Aiken	87,90

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (continued)						
SV-680	30601060502	33.47626621	-81.58844661	Upper Three Runs Ck. @ SR 113	Aiken	87,90,92,93,94,95, 96,00,05,10,19,22
SV-681	30601060502	33.43109272	-81.60560523	Upper Three Runs Ck. @ SR 114	Aiken	87,90,21
SV-683	30601010801	34.75604223	-82.85782896	Wildcat Ck. @ Clemson U. Rec. off SC 133	Pickens	93,94,95,00,05,19,22
SV-684	30601010301	34.92350489	-83.07934638	Crane Ck. @ Winding Stairs Rd.,	Oconee	93,94,95,00,05
SV-687	30601090107	32.556292	-81.283994	Savannah Riv. @ Stokes Bluff Landing	Hampton	16,21
SV-688	30601060105	33.573468	-82.061229	Savannah Riv. Above Stevens Creek	Edgefield	16
SV-690	30601060806	33.051209	-81.551192	Savannah Riv. @ Little Hell Landing	Allendale	16
SV-691	30601060607	33.268118	-81.834225	Savannah Riv. @ Jackson Landing	Aiken	16
SV-723	30601060501	33.45354884	-81.64283406	Cedar Ck. @ SR 79	Aiken	96,00,05,10
SV-724	30601060204	33.56351135	-81.87394817	Little Horse Ck. @ SR 104	Aiken	96,00,05,09,10,13, 18,21
SV-725	30601070306	33.6463422	-81.97530795	Cheves Ck. @ SR 34	Edgefield	96,00,05
SV-726	30601070305	33.65135186	-82.07409046	Horn Ck. @ SR 143	Edgefield	96,00,21
SV-727	30601070206	33.87595386	-82.07522403	Rocky Ck. @ SR 61	Edgefield	96,05,14w, 14s
SV-728	30601070205	33.86856833	-82.01561615	Log Ck. @ SR 315	Edgefield	96,00,05,14
SV-729	30601070203	33.88125195	-81.96841164	Turkey Ck. @ SR 100	Edgefield	96,00,05
SV-730	30601070107	33.88510342	-82.2447326	Rocky Ck. @ SR 87	McCormick	96,00,05,13,14
SV-731	30601070103	33.94406062	-82.22036574	Hard Labor Ck. @ SR 23	McCormick	96,00,05,10,20
SV-732	30601030607	34.13079243	-82.30362745	Big Curly Tail Ck. @ US Forest Rd 509	Abbeville	96,00,05,22
SV-733	30601030501	34.30965101	-82.43712832	Hogskin Ck. @ SC 184	Abbeville	96,00,05,21
SV-734	30601030603	34.2013396	-82.2886107	Johns Ck. @ SR 159	Abbeville	96,00,05,17
SV-735	30601010702	34.62754357	-82.74641559	Three and Twenty Ck. @ SR 29	Anderson	96,00,05,21
SV-738	30601010406	34.78052962	-82.7493734	Golden Ck. @ Golden Ck. Rd.	Pickens	96,00,05,17
SV-739	30601010407	34.80283496	-82.74990751	Twelve Mile Ck. @ SR 137	Pickens	96,00,21
SV-740	30601010405	34.81400891	-82.73807596	Rices Ck. @ SR 158	Pickens	96,00,05,17
SV-741	30601010202	35.04759288	-82.81235281	Eastatoe Ck. @ SR 237	Pickens	96,00,05
SV-742	30601010303	34.84058078	-82.98948164	Oconee Ck. @ SR 129	Oconee	96,00,05
SV-743	30601010301	34.86237861	-82.99333555	Flat Shoals Riv. @ SR 129	Oconee	96,00,10,14,16,18,21
SV-744	30601090301	32.55193254	-81.16721385	Cypress Br. @ US 321	Jasper	96,00,05,10,13,17

SV-745	30601060902	32.95846493	-81.46301025	Briar Ck. @ S-102	Allendale	96,00,05,09,13

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (continued)						
SV-790	30601020502	34.60985103	-83.0946736	Tributary of Choestoea Ck. @ SR 429	Oconee	00,17
SV-791	30601030202	34.50249196	-82.58302807	Broadway Ck. @ SR 48	Anderson	00,17
SV-792	30601020204	34.98577998	-83.07289724	East Fork Chattooga Riv. 300 meters downstream of hatchery	Oconee	00
SV-800	30601060601	33.509817	-81.995151	Savannah Riv. @ N. Augusta St. Park	Aiken	16,19,22
SV-801	30601060805	33.198318	-81.756722	Savannah Riv. @ Steel Creek	Barnwell	16
SV-803	30601060905	32.998243	-81.490954	Savannah Riv. @ Johnson's Landing	Allendale	16
SV-822	30601030401	34.472668	-82.722823	Big Generostee Ck. 50 m upstream of discharge	Anderson	18,19
SV-823	30601030401	34.471685	-82.723929	Big Generostee Ck.100 m downstream of discharge	Anderson	18,19
SV-824	30601020204	34.9856	-83.0686	East Fork Of The Chattooga Upstream Of 1st Bridge On Fish Hatchery Rd.	Oconee	15
SV-826	30601030401	34.458305	-82.726056	Big Generostee Ck. upstream of discharge	Anderson	19
SV-827	30601030401	34.457152	-82.727182	Big Generostee Ck. downstream of both discharge and trib stream	Anderson	19
SV-828	30601030401	34.45325	-82.731658	Big Generostee Ck. @ Norris Rd.	Anderson	19
SV-829	30601010202	34.951382	-82.856184	Eastatoe Ck. @ End of Hemlock Hollow Rd.	Pickens	19
SV-830	30601010202	34.971121	-82.855598	Eastatoe Ck. @ 600 Feet Downstream of RV Park	Pickens	19

G. Fish Tissue Monitoring Site Descriptions

Site ID	Description	County
BROAD RIVER BASIN		
CL-100	LAKE ROBINSON	GREENVILLE
B-114	LAKE BOWEN NEAR SC 9	SPARTANBURG
B-222	BROAD RIVER @ SEC RD 43 "PICK HILL ACCESS"	CHEROKEE
B-345	PARR RESERVOIR	NEWBERRY
B-327	LAKE MONTICELLO	FAIRFIELD
B-311	BROAD RIVER @ I-20	RICHLAND

CATAWBA-WATEREE BASIN		
CW-197	LAKE WYLIE ABOVE MILL CREEK	YORK
CW-016	CATAWBA RIVER @ SC 9	LANCASTER
CW-057	FISHING CREEK RESERVOIR NEAR DAM	CHESTER
CW-033	CEDAR CREEK RESERVOIR	FAIRFIELD
CW-034	CEDAR CREEK RESERVOIR TAILRACE	LANCASTER
CW-207	LAKE WATEREE NEAR SEC RD 291	FAIRFIELD
CW-214	WATEREE RIVER @ I-20	KERSHAW
CW-206	WATEREE RIVER @ US 378/76	SUMTER

CONGAREE RIVER BASIN		
C-007	CONGAREE RIVER @ US 601	CALHOUN
C-046	SESQUICENTENNIAL STATE PARK	RICHLAND

EDISTO RIVER BASIN		
E-585	SOUTH EDISTO RIVER @ AIKEN STATE PARK	AIKEN
E-014	EDISTO RIVER @ US 15 (T COKE WEEKS LDG.)	DORCHESTER
E-015	EDISTO RIVER @ SC 61 (GIVHANS FERRY LDG.)	DORCHESTER
MD-119	EDISTO R. BELOW HWY 17 (WEST BANK LDG.)	COLLETON
CSTL-120	LITTLE SALKEHATCHIE @ SEC RD 63	COLLETON
CSTL-561	COMBAHEE RIVER @ SEC RD 756	COLLETON
CSTL-048	COMBAHEE R. ABOVE HWY 17 (STEEL BRIDGE)	BEAUFORT
CSTL-077	COOSAWHATCHIE RIVER @ SEC RD 36	JASPER
CSTL-069	ASHEPOO RIVER @ HWY 17	COLLETON
CSTL-560	ASHLEY RIVER @ DORCHESTER STATE PARK	DORCHESTER

ESTUARY SITES		
MD-785	UPPER CAPE ROMAIN	CHARLESTON
MD-786	LOWER CAPE ROMAIN NEAR MUDDY BAY	CHARLESTON
MD-787	LOWER CAPE ROMAIN NEAR WHITE BANKS	CHARLESTON
MD-788	CHARLESTON HARBOR	CHARLESTON
MD-789	ASHLEY RIVER	CHARLESTON
MD-790	LOWER WANDO RIVER	CHARLESTON
MD-791	ACE BASIN NEAR EDISTO BEACH	COLLETON
MD-792	ACE BASIN NEAR COMBAHEE RIVER	COLLETON

PEE DEE RIVER BASIN		
PD-043	POCOTALIGO RIVER @ SEC RD 50	CLARENDON

PD-327	LAKE HB ROBINSON	CHESTERFIELD
PD-071	LYNCHES RIVER @ HWY 15	LEE
PD-624	LYNCHES RIVER @ US 52	FLORENCE
CSTL-553	WACCAMAW RIVER @ SC 31	HORRY
MD-144	WACCAMAW RIVER @ TODDVILLE	HORRY
CSTL-557	WACCAMAW RIVER @ BUCKSPORT LANDING	HORRY
MD-141	WACCAMAW RIVER @ HAGLEY LANDING	GEORGETOWN
CSTL-558	INTRACOASTAL WATERWAY @ SOCASTEE	HORRY
PD-012	GREAT PEE DEE RIVER @ SC 9/US 1	CHESTERFIELD
PD-028	GREAT PEE DEE RIVER @ SC 34	DARLINGTON
PD-623	BLACK CREEK @ SC 327	FLORENCE
PD-337	GREAT PEE DEE RIVER @ HWY 301	MARION
PD-621	GREAT PEE DEE RIVER @ STAPLES LAKE	WILLIAMSBURG
CSTL-559	GREAT PEE DEE R. ABOVE HWY 701 BRIDGE	HORRY
PD-663	GREAT PEE DEE RIVER @ SAMWORTH WMA	GEORGETOWN
PD-618	LITTLE PEE DEE RIVER @ FLOYDALE BRIDGE	DILLON
PD-664	LUMBER RIVER @ CAUSEY LANDING	HORRY
PD-038	LUMBER RIVER @ RICEFIELD COVE	HORRY
PD-619	LITTLE PEE DEE RIVER @ GALAVANTS FERRY	MARION
PD-620	LITTLE PEE DEE RIVER @ HWY 378	HORRY
PD-350	LITTLE PEE DEE R. @ PUNCHBOWL LANDING	HORRY
PD-626	BLACK RIVER @ PUMPHOUSE LANDING	WILLIAMSBURG
PD-659	BLACK RIVER @ OLD PUMP STATION	GEORGETOWN
PD-661	BLACK RIVER @ PRINGLE'S FERRY	GEORGETOWN
PD-628	SAMPIT RIVER @ INTERNATIONAL PAPER	GEORGETOWN

SALUDA BASIN		
S-169	SALUDA R. @ PELZER "TIMMERMAN RAMP"	ANDERSON
S-131	LAKE GREENWOOD @ US 221	GREENWOOD
S-105	SALUDA RIVER @ SC 395	NEWBERRY
S-223	LAKE MURRAY @ SC 391	SALUDA
S-273	LAKE MURRAY @ DAM	LEXINGTON

SANTEE BASIN		
ST-529	LAKE MARION @ LOW FALLS LANDING	CALHOUN
ST-519	LAKE MARION @ RIMINI	SUMTER
ST-024	LAKE MARION @ WYBOO CREEK	CLARENDON
ST-528	SANTEE RIVER @ US 52 (HWY 52 LANDING)	WILLIAMSBURG
ST-001	SANTEE RIVER @ SC 41/US 17A	BERKELEY
ST-005	NORTH SANTEE RIVER @ POLE YARD	GEORGETOWN
ST-006	SOUTH SANTEE RIVER ABOVE US 701/17	CHARLESTON
CSTL-079	DIVERSION CANAL	BERKELEY
ST-531	LAKE MOULTRIE @ HATCHERY LANDING	BERKELEY
CSTL-080	LAKE MOULTRIE @ DAM	BERKELEY
CSTL-062	COOPER RIVER @ US 17A	BERKELEY
MD-217	DURHAM CREEK	BERKELEY
CSTL-564	EAST FORK OF COOPER R. NEAR QUINBY CR.	BERKELEY

MD-042	COOPER RIVER @ BUSHY PARK	BERKELEY
ST-032	GOOSE CREEK RESERVOIR	BERKELEY

SAVANNAH BASIN		
SV-599	TUGALOO LAKE	OCONEE
CL-015	LAKE YONAH	OCONEE
SV-313	LAKE JOCASSEE @ END OF SEC RD 25	OCONEE
SV-311	LAKE KEOWEE @ CANE CREEK ACCESS	OCONEE
CL-017	LAKE KEOWEE AT NUCLEAR PLANT NEAR DAM	OCONEE
SV-107	LAKE HARTWELL @ 12 MILE CREEK	PICKENS
SV-106	LAKE HARTWELL @ MARTIN CREEK	PICKENS
CL-005	LAKE SECESSION @ DAM	ABBEVILLE
CL-096	LAKE RUSSELL @ VAN CREEK	ABBEVILLE
CL-097	LAKE RUSSELL @ DAM	ABBEVILLE
CL-040	LAKE THURMOND @ BOBBY BROWN STATE PK	MCCORMICK
SV-688	SAVANNAH RIVER ABOVE STEVENS CREEK	EDGEFIELD
SV-531	LANGLEY POND	AIKEN
SV-691	SAVANNAH RIVER @ JACKSON LANDING	AIKEN
SV-690	SAVANNAH RIVER @ LITTLE HELL LANDING	ALLENDALE
SV-687	SAVANNAH RIVER @ STOKES BLUFF LANDING	HAMPTON
MD-118	NEW RIVER @ SC 170	JASPER

H. Shellfish Station Descriptions Listed by Area

Shellfish Management Water Quality Sampling Station Descriptions

Area 01 (9 Active)

Station	Shellfish Station Description
01-01	Little River Jetty
01-02	Mouth of Dunn Sound Creek
01-05	Big bend up Dunn Sound Creek
01-06	Bridge to Waites Island
01-07	Hog Inlet
01-17	42nd Avenue - Cherry Grove
01-17A	53rd Avenue Bridge on Canal
01-18	Dunn Sounds at Hog Inlet
01-19	53rd Avenue at Main Creek

Area 02 (3 Active)

Station	Shellfish Station Description
02-01	White Point Swash
02-02	Singleton Swash
02-03	Canepatch Swash

Area 03 (2 Active)

Station	Shellfish Station Description
03-01	Withers Swash
03-02	Midway Swash - Pebble Beach

Area 04 (34 Active)

Station	Shellfish Station Description
04-01	Main Creek at Atlantic Avenue Bridge
04-02	Main Creek at Mickey Spillane's Home
04-03A	In Main Creek, on the Southeast Side of the Prohibited Area near Captain Dick’s Marina
04-03B	In Main Creek, on the Northwest Side of the Prohibited Area Near Captain Dick’s Marina
04-04A	Garden City Canal due east of Flagg Creek
04-04B	Northern boundary of Marlin Quay Marina closure zone in Main Creek
04-04C	Western boundary of Marlin Quay Marina closure zone in Main Creek
04-06	Allston Creek at Weston Flat
04-07	Allston Creek Public Oyster Ground - Hughes Landing
04-08	Parsonage Creek at Nance's Dock
04-08A	Oyster (Carr) Landing at Huntington Beach Station Park
04-09	Clubhouse Creek at Litchfield Boulevard Bridge
04-10	Shell Avenue and Pawley's Island Creek
04-11	North Causeway Bridge at Pawley's Island Creek
04-12	South Causeway Bridge at Pawley's Island Creek
04-13	Pawley's Inlet
04-14	Dock - End of Sportsman Boulevard
04-15	Midway Inlet
04-16	Parsonage Creek at Chicken Farm Ditch
04-17A	Southwest Corner of the Voyager View Marina Prohibited Zone in Parsonage Creek

Area 04 (continued)

Station	Shellfish Station Description
04-18	North Boundary of Clambank Flats POG
04-19	Clubhouse Creek - First Bend South of Salt Marsh Cove
04-21	South Pawley's Island Boat Landing
04-23	Main Creek at Oyster Cover
04-24	Oaks Creek at First Curve
04-25	Main Creek at Flagg Creek
04-26	Garden City Canal at the "Old Boat Wreck"
04-27	Main Creek, Opposite Entrance to Mt. Gilead Canal
04-28	Oak's Creek, Approx. 150 Meters from the Huntington Beach State Park Causeway
04-29	Oyster Cove, South Branch
04-30	Oyster Cove, North Branch
04-31	Woodland Creek, 100 meters east of mainland
04-32	Oak's Creek at Brigham Hole
04-33	Woodland Creek – 1000' Northeast of Weston Flat

Area 05 (20 Active)

Station	Shellfish Station Description
05-01	Jones Creek at Nancy Creek
05-02	Noble Slough
05-03	North Inlet
05-04	Town Creek at Debidue Creek
05-05	Oyster Bay near Cutoff Creek
05-06	No Man's Friend Creek at Mud Bay
05-07	Jones Creek at Mud Bay
05-08	Town Creek at Sixty Bass Creek
05-09	Town Creek at Southern Reach of Clambank Creek
05-10	Jones Creek at Duck Creek
05-11	Town Creek at Bread and Butter Creek
05-12	Old Man Creek and Sea Creek Bay
05-13	Debidue Creek at Boat Basin
05-14	Mid Channel Island, Bly Creek
05-15	Debidue Creek and Cooks Creek
05-16	Debidue Creek and Bass Hole Bay
05-20	Winyah Bay Main Channel, Buoy 19a, Range E
05-21	Winyah Bay Main Channel, Buoy 17, Range E
05-24	Winyah Bay Main Channel, Coast Guard Dock, Range C
05-25	Winyah Bay, Tip of Western Channel Island

Area 06A (10 Active)

Station	Shellfish Station Description
06A-01	South Santee River at Alligator Creek
06A-01A	South Santee River near the midpoint of Grace Island
06A-02	South Santee Inlet
06A-03	North Santee River at Beach Creek
06A-04	North Santee Inlet

Area 06A (continued)

Station	Shellfish Station Description
06A-04A	North Santee Bay - E of Cane Island
06A-04B	North Santee River - SW of Cane Island
06A-04C	North Santee River near the northwestern tip of Cane Island
06A-05	North Santee River and Mosquito Creek
06A-11	Atlantic Intracoastal Waterway at Minum Creek

Area 06B (22 Active)

Station	Shellfish Station Description
06B-06	Alligator Creek and Ocean Inlet
06B-06A	North End of Cape Romain Harbor
06B-07	Alligator Creek at Marker #26
06B-08	Casino Creek at Marker #29
06B-09	Dupree Creek - 500 feet N. of new dock (South of Marker #30)
06B-10	AIWW at Marker #32
06B-12	Alligator Creek State Shellfish Ground
06B-15	Casino Creek at Cape Romain Harbor
06B-16	Casino Creek midway between Stations 19 and 24 (at small unnamed creek on right, southbound)
06B-17	Congaree Creek at Tower Creek
06B-18	Confluence of Dupree Creek and Clubhouse Creek
06B-19	Confluence of Casino Creek and Skrine Creek
06B-19A	Casino Creek midway between Stations 06B-19 and 06B-16, at unnamed creek
06B-20	1,000 yards up Dupree Creek from Clubhouse Creek
06B-21	Confluence of Alligator Creek and Ramhorn Creek
06B-22	Confluence of Ramhorn Creek and Mill Creek
06B-22A	Mill Creek at Ramhorn Creek
06B-23	Confluence of Skrine Creek and Congaree Boat Creek
06B-24	Confluence of Casino Creek and Congaree Boat Creek
06B-25	Confluence of Horsehead Creek and Unnamed Creek at lower end of Horsehead Island
06B-26	Confluence of Skrine Creek and unnamed creek north of Muddy Bay
06B-27	Confluence of the first large creek on the left, with Congaree Boat Creek, traveling SE of Station #23

Area 07 (21 Active)

Station	Shellfish Station Description
07-01A	Venning Creek at Bulls Bay
07-02	Graham Creek at Marker #64
07-02A	Graham Creek and Bulls Bay
07-03	Awendaw Creek at Marker #57
07-04	Harbor River at Marker #48
07-04A	Harbor River at Bulls Bay
07-05	Tibwin Creek at Marker #42
07-06	Five Fathom Creek at Marker #20
07-06A	Five Fathom Creek at Bull River
07-08	Clubhouse Creek-1/4 mile north of Five Fathom Creek

Area 07 (continued)

Station	Shellfish Station Description
07-08A	Oyster Bay at Muddy Bay
07-09	Confluence of Doehall Creek with AIWW - north of Marker #46
07-14	Doehall Creek – third bend at the dock
07-15	Sandy Point Creek at fourth bend
07-16	Confluence of Romain River & Santee Path Creek
07-17	Second small creek north of Marker #26 in Five Fathom Creek
07-18	Marker #65 in AIWW
07-19	AIWW at Confluence with Unnamed Creek, 1.5 miles Southwest of Graham Creek
07-20	Bulls Bay - 1,000ft from Confluence with Graham Creek
07-21	AIWW, midway between Tibwin creek and Matthews Creek
07-22	Tibwin Creek past the first bend, at first small creek on the right

Area 08 (20 Active)

Station	Shellfish Station Description
08-01	Morgan Creek at northernmost confluence with AIWW - adjacent to Marker #115
08-02	Hamlin Sound
08-03	Dewees Inlet at AIWW - North of Marker #110
08-04	Bull Yard Sound - Marker #104
08-06	Mark Bay - Marker #90
08-06A	Unnamed Creek East of Marker #90 at Fork
08-09	Moore's Landing Dock - At Marker #74
08-10	Marker #116 north of Isle of Palms STP outfall in AIWW
08-14	Dewees Island - 1/4 mile up Horsebend Creek
08-16	Confluence of Seven Reaches and Gray Bay
08-17	S.W. Copahee Sound at Porcher Bluff Creek
08-18	One-half mile up Cedar Creek from Dewees Inlet
08-19	Confluence of Toomer Creek at Copahee Sound
08-20	Upper reaches Whiteside Creek
08-21	Upper reaches Clawson Creek
08-22	Confluence of Capers Creek and Santee Pass
08-25	Palmetto Point Creek (adjacent to Marker #84)
08-27	Northern Hamlin Sound
08-28	Summerhouse Creek at Bull Island Ferry Dock
08-29	Anderson Creek at the Bull Island Ferry Channel

Area 09A (23 Active)

Station	Shellfish Station Description
09A-01	Hamlin Creek at its confluence with AIWW
09A-02	Upper end of Hamlin Creek at POG
09A-03	Upper end of Swinton Creek
09A-06	Inlet Creek and Gentide Creek
09A-07	Inlet Creek at its confluence with AIWW
09A-09	Ben Sawyer Bridge
09A-11	End of 10th Street at Hamlin Creek
09A-14	Swinton Creek at its confluence with AIWW

Area 09A (continued)

Station	Shellfish Station Description
09A-17	Conch Creek State Shellfish Ground - Mt. Pleasant side
09A-17A	Conch Creek State Shellfish Ground - Sullivans Island side
09A-18	AIWW adjacent to Wild Dunes Golf Course storm drainage outfall
09A-19	AIWW at 25th Street - Isle of Palms
09A-20	Conch Creek at Lofton Creek
09A-23	Upper reaches of Conch Creek
09A-24	Upper reaches of Inlet Creek
09A-25	Upper reaches of Swinton Creek
09A-26	Hamlin Creek 1/2 way between Stations 1 and 2
09A-28	Swinton Creek west of AIWW at second bend
09A-29	Lower Hamlin Creek at site of new bridge (Isle of Palms Connector)
09A-32	First creek on right downstream from Station 6
09A-35	300 yards upstream from Station 6
09A-36	Conch Creek at its confluence with AIWW
09A-37	Lower Conch Creek at Marina Closure Zone

Area 09B (18 Active)

Station	Shellfish Station Description
09B-01	Wando River at Nowell Creek
09B-02	Wando River at Horlbeck Creek
09B-04	Wando River at Deep Creek
09B-05	Wando River opposite Big Paradise Island
09B-07	Boone Hall Creek opposite County Recreation Area
09B-08	Wando River at Marker #29
09B-09	Deep Creek - 1 mile from confluence with Wando River
09B-11	Wando River at Guerin Creek
09B-12	Guerin Creek at Old House Creek
09B-15	New bridge- Route I-526
09B-16	Confluence of Martin Creek and Nowell Creek
09B-17	Wando River midway between Stations 3 and 11(at old dry dock)
09B-18	Rat Hall Creek at confluence with Wando River.
09B-19	Foster Creek at Confluence with Wando River
09B-21	Horlbeck Creek at power line crossing
09B-22	Wando River a Marker #27
09B-23	Wando River at Marker #20
09B-24	Wando River at Marker #13

Area 10A (28 Active)

Station	Shellfish Station Description
10A-02	Folly Creek Bridge
10A-04	Backman Creek at Folly Creek
10A-05	King Flats and Folly Creek
10A-06	Opposite Little Island in Folly Creek
10A-07	North boundary of Prohibited Area at Folly Marina
10A-08	Folly River Bridge

Area 10A (continued)

Station	Shellfish Station Description
10A-09	Last dock north in Folly River
10A-10A	Robbins Creek at the first bend upstream from Cutoff Reach
10A-11	Rat Island Creek at confluence with first creek on left from Lighthouse Creek
10A-13	Lighthouse Creek at confluence with Folly Creek
10A-15	Secessionville Creek at private docks
10A-15A	Folly Creek at confluence with Secessionville Creek
10A-16	Clark Sound at Ocean View Flats
10A-16B	Clark Sound, 550 yards East of the confluence of Fludd's Creek and Clark Sound
10A-18	Mouth of Schooner Creek
10A-19	Just inside Clark Sound from Schooner Creek
10A-22	Folly River State Shellfish Ground opposite Folly Island
10A-23	Lighthouse Creek State Shellfish Ground at mouth of First Sister Creek
10A-24	Cole Creek State Shellfish Ground
10A-29A	Block Island Creek at the Flats
10A-30	Rat Island Creek at the second bend
10A-32	Block Isl. Creek - 100 yds S. of split from spoil area
10A-33	Confluence of Lighthouse Creek and Clark Sound
10A-34	The first dock in Secessionville Creek at its confluence with Clark Sound
10A-34A	Lighthouse Creek at Secessionville Creek and Clark Sound
10A-35	Right fork of Schooner Creek, middle of Docks, across from Parrot Point Development
10A-36	Unnamed creek at Fork near Riverfront Subdivision
10A-37	Folly Creek at Oak Island Creek

Area 11 (26 Active)

Station	Shellfish Station Description
11-01	Elliott Cut at Stono River
11-02A	Stono River - southern boundary of the marina closure zone, south of Hwy. 700 Bridge
11-03	Docks between Markers 10 & 11 in Stono River
11-05	Mouth of Abbapoola Creek
11-06	Abbapoola Creek at first large bend
11-06A	Abbapoola Creek at Confluence with Small Creek on West Bank at Seventh Bend
11-07	Green Creek at Stono River
11-07A	Green Creek, Four Bends Upstream of Station 11-07
11-08	Mouth of Kiawah River
11-11	Stono River (AIWW) at Marker #21A
11-12	Stono River (AIWW) at Marker #27
11-15	Stono River (AIWW) at Marker #63
11-16	Stono River (AIWW) at Marker #51
11-17	Stono River (Log Bridge Creek) at Marker #54
11-18	Confluence of Rantowles Creek and Stono River
11-21	South Kiawah River on the flats
11-22	Kiawah River POG at Mingo Point
11-23	Captain Sams Creek and Kiawah River
11-27	Stono River at mouth of Penny Creek near Marker #25
11-28	Mullet Hall Creek 150 yards from mouth at fork

Area 11 (continued)

Station	Shellfish Station Description
11-30	Kiawah River at mouth of Bryans Creek
11-31	Bass Creek at confluence with Kiawah River
11-32	Bass Creek at confluence with Cinder Creek
11-33	Sol Legare Boat Landing
11-34	Cinder Creek at Public Dock (3rd bend from confluence with Bass Creek)
11-35	Bass Creek at Public Dock (5th bend from confluence with Cinder Creek

Area 12A (14 Active)

Station	Shellfish Station Description
12A-09	Adams Creek at Bohicket Creek
12A-11A	Adams Creek, North of Adams Creek Marina
12A-13	Bohicket Creek at Fickling Creek
12A-13A	Bohicket Creek at Bloody Point
12A-20	Bohicket Creek opposite Hoopstick Island
12A-21	Opposite old dam behind Rast House Restaurant
12A-22	Opposite Boy Scout Camp
12A-29	Raven Point Creek at confluence with Church Creek
12A-31	Southwest Boundary of Prohibited Area At Bohicket Marina
12A-32	Privateer Creek up 1/2 mile at fork
12A-38	Drainage discharge 1/8 mile east of power lines, north bank of Church Creek
12A-40	Pine Creek at first fork
12A-41	Confluence of Church Creek and New Cut
12A-46	Bohicket Creek midway between Stations 21 and 22 at small, unnamed tributary on west bank

Area 12B (27 Active)

Station	Shellfish Station Description
12B-01	Mouth of Church Creek, Marker #77
12B-02	Goshen Point, Marker #69
12B-04	Toogoodoo Creek at confluence with AIWW, Marker #102
12B-05	Dawho Creek, Marker #110
12B-06	Steamboat Creek, Marker #2
12B-07	Westbank Creek at North Edisto River, opposite Leadenwah Creek
12B-09	Dawho River at Marker #119
12B-10	South Boundary of Prohibited Area at Metal Trades Dock
12B-12	Leadenwah Creek 1 mile from confluence of North Edisto River
12B-30	Tom Point Creek at Park Island
12B-34	Toogoodoo Creek SSG at last creek before fork
12B-35	Public Boat Ramp, Lower Toogoodoo Creek
12B-36	Confluence of Tom Point Creek and North Edisto River
12B-37	Confluence of Steamboat Creek and Russell Creek
12B-42	Headwaters of Ocella Creek
12B-43	Russell Creek at estuary entering Sunbelt Clam Farms
12B-43A	Russell Creek near Creek Farm Rd.
12B-44	Toogoodoo Creek midway between Stations 4 and 34

Area 12B (continued)

Station	Shellfish Station Description
12B-45	Toogoodoo Creek at the second bend past the confluence with Lower Toogoodoo Creek
12B-51	Wadmalaw Sound at day beacon #80
12B-52	Confluence of Whooping Island Creek and Steamboat Creek
12B-53	Dawho River, Marker #126
12B-54	Tom Point Creek, 3 bends upstream of Station 30
12B-55	Leadenwah Creek, at third bend after Station 12B-12
12B-56	Leadenwah Creek, after fourth bend at the fork
12B-57	Oscella Creek at fork
12B-58	Westbank Creek at first bend

Area 13 (20 Active)

Station	Shellfish Station Description
13-01	Scott Creek at The Mound
13-02	Mouth of Big Bay Creek
13-03	Mouth of St. Pierre Creek
13-04	St. Pierre Creek at Peters Pt.
13-05	Fishing Creek at Sandy Creek Confluence of Shingle Creek and Bailey Creek
13-08	Edisto River at Ashepoo River Russell Creek at Area 12/13 boundary
13-10	Fishing Creek at Pollution Line
13-13	Mouth of Fish Creek at Otter Island & Atlantic Ocean
13-15	Headwaters of Pine Island Creek at the fork
13-20	Northern confluence of Alligator Creek and S. Edisto River
13-21	Big Bay Creek. Headwaters at first bend to right past the Neck
13-22	Headwaters of Scott Cr. At Jeremy Inlet at the boat landing
13-23	Jeremy Inlet at Atlantic Ocean
13-24	Frampton Inlet at north end of Jeremy Cay
13-26	4,00ft From the Confluence of Fish Creek and Atlantic Ocean at First "T" in Fish Creek
13-29	Bailey Creek, First Bend Adjacent to Bluff on Bailey Island (Near Confluence with St. Pierre Creek)
13-30	Bailey Creek at Confluence with unnamed Tributary near southwestern point of Scanawah Island
13-31	Bailey Creek at confluence with South Edisto River
13-31A	Approximately 1000 feet Southwest of Station 13-31
13-32	South Edisto River at western boundary of 1000' Restricted radius around Station 02 (confluence of Big bay Creek)

Area 14 (17 Active)

Station	Shellfish Station Description
14-02	Campbell Creek at Whale Branch
14-04	Bull River Inlet and Coosaw River
14-05	Combahee River Inlet and Coosaw River
14-08	Ashepoo River at St. Helena Sound - Black Can Buoy
14-09	St Helena Sound at Morgan Back Creek
14-10	parrot Creek and Coosaw River, marker #1
14-11	Sam's Point and Coosaw River

Area 14 (continued)

Station	Shellfish Station Description
14-12A	Confluence of Coosaw River and whale Branch
14-13	Halfmoon Creek at Whale Branch
14-13A	First split on Halfmoon Creekon the southern side of Browns Island
14-14	Huspah Creek at Railroad Trestle
14-16A	2000 Feet Southeast of Mouth of Fish Creek
14-18	Huspah Creek at Bull Point - Whale Branch Public Oyster Ground
14-19	Ashepoo River Public Oyster Ground
14-20	Cut Between the S. Edisto River & the Ashepoo River
14-21	Confluence of Mosquito Creek and Ashepoo River
14-22	Whale Branch River 200 meters ENE of SSR.R. Trussell

Area 15 (28 Active)

Station	Shellfish Station Description
15-01	Brickyard Creek at Range Marker
15-01A	McCalleys Creek at Pawkie Island
15-02	Mulligan Creek at Brickyard Creek
15-03	Mouth of Albergotti Creek and Brickyard Creek
15-03A	Albergotti Creek 1.0 miles upstream of Station 15-03
15-03B	Albergotti Creek 700 feet SE of MCAS Hunt Club Fishing Pier
15-04	Factory Creek – near Marker "G223"
15-05	Beaufort River – Downtown Marina 500 feet Northwest of Marker "G239"
15-06	Mouth of Battery Creek and Beaufort River near Marker "R42"
15-10	Battery Creek at Five Points Creek
15-15	Ballast Creek at Beaufort River
15-16	Station Creek at Beaufort River
15-17	Cat Island Creek at Cowen Creek
15-18	Second Middle Marsh in Cowen Creek
15-19	Battery Creek 1000 feet below Rabbit Island
15-20	Capers Cr SSG at Penn Community Srvcs Retreat Ctr
15-21	Unnamed Creek at (former) discharge of BC High and Cherry Hill High
15-23	Distant Island State Shellfish Ground
15-24	Battery Creek - SC HWY 280 Bridge
15-25	Battery Creek - Dowlingwood tributary
15-26	Battery Creek - Picket Fence tributary
15-27	Battery Creek - Cherry Hill tributary
15-28	Battery Creek - Storm water outfall under RR track
15-29	Battery Creek - Tributary on R side before Battery Shores
15-30	Battery Creek - Cottage Farms Community Dock
15-33	McCalley Creek - 0.5 miles upstream of 15-01A
15-34	Wallace Creek – ~ 1.0 mile downstream of the public Boat ramp
15-35	Orange Grove Plantation Pond – M118

Area 16A (20 Active)

Station	Shellfish Station Description
16A-08	Morgan River at Village Creek
16A-09	Edding Creek at Morgan River
16A-10	Parrot Creek at Morgan River
16A-11	Jenkins Creek at Morgan River
16A-13	Lucy Point Creek at Rocky Springs Creek
16A-13A	South Edge of Lucy Point Creek CSZ at Pollution Line
16A-13B	North Edge of Lucy Point Creek CSZ at Pollution Line
16A-14	Doe Cr Behind Coastal Seafood - Behind Dataw Island
16A-19	Upper Reaches Rock Springs Creek
16A-23	Edding Cr at Small Tributary Between Stations 9 and 18
16A-24	Jenkins Creek at Right Turn Between Stations 11 and 14
16A-25	Jenkins Creek at Small Unnamed Tributary North Side of Warsaw Island
16A-27	Mouth of Coffin Creek at Morgan River
16A-33	Lucy Point Creek, approximately 3100 ft west of Station 16A-13B
16A-34	Lucy Point Creek, confluence with tributary on northern bank, approximately 1900 ft south of Station 16A-13
16A-35	Warsaw Flats at confluence with Morgan River
16A-36	Jenkins Creek at southern point of Dataw Island
16A-37	Jenkins Creek at Pollawanna Island boat ramp
16A-38	Village Creek at confluence with unnamed tributary on western bank
16A-39	Sparrow Nest Creek at the Confluence of Morgan River

Area 16B (16 Active)

Station	Shellfish Station Description
16B-02	Trenchard's Inlet at Mouth of Station Creek
16B-03	Club Bridge Creek at Harbor River Sound
16B-04	Story River at Fripp Island
16B-05	Old House Creek at Fripp Inlet
16B-06	Harbor River at Marker #A-13
16B-06F	Unnamed Creek - Fripp Canal at Old House Creek
16B-17	Station Creek SSG - Beaufort County Landing
16B-20	Two Miles N. of Confluence of Story River & Trenchard's Inlet
16B-21	Unnamed Creek Between Harbor River and Story River
16B-22	Skull Creek at Confluence of Creek Leading to Pritchard's Inlet
16B-26	Old House Creek at Confluence of Two Tributaries in Headwaters Northwest of Fripp Island Marina
16B-29	Midway Stations 3 and 6 at Unnamed Creek Between Story River & Harbor River
16B-31	Johnson Creek at SC Hwy 21 bridge
16B-33	Skull Creek at confluence with Trenchards Inlet
16B-34	Skull Creek, Midway Between Skull Inlet and Trenchards Inlet at Confluence with Large Tributary on NW Side of Skull Creek
16B-35	Skull Creek at Confluence with First Major Creek on Right Heading Inland from Skull Inlet

Area 17 (20 Active)

Station	Shellfish Station Description
17-01	Broad River at S.A.L. Railroad Bridge
17-02	Boyd Creek at Broad River
17-03	Broad River at Whale Branch
17-04A	USMC Laurel Bay WWTP Output
17-07	Mouth of Chechessee Creek at Chechessee River
17-08	Chechessee River Bridge
17-09	Mouth of Euhaw Creek at Hazzard Creek
17-10A	Archers Creek 1000 feet west of bridge
17-13	Broad River at Creek below Ballast Creek
17-16	Broad River at Corn Island - Mouth of Creek
17-16A	First Split in Habersham Creek above Station #16
17-17	Hazzard Creek at Chechessee River
17-18	Hazzard Creek at Chelsea Plantation Clubhouse
17-21	Confluence of Middle Creek and Whale Branch
17-22	Confluence of East and West Branch of Boyd Creek
17-22A	West branch of Boyd Creek ~ 2 miles upstream of Station 17-22
17-22B	East branch of Boyd Creek ~ 2 miles upstream of Station 17-22
17-23	Headwaters of Euhaw Creek one mile above Bolin Hall Landing
17-25	Hazzard Creek at Second Right Bend Above Station #17 & 18
17-26	Euhaw Creek ~0.5 miles South of Bolan Hall Landing

Area 18 (17 Active)

Station	Shellfish Station Description
18-01	Okatie River at Camp St. Mary's Dock
18-02	Okatie River Behind Bailey's Oyster Dock
18-03	Chechessee Creek at Okatie River
18-04	Callawassie Creek at Colleton River, Mouth of Creek
18-05	Callawassie Creek at Colleton Creek at Tree Line
18-06	Sawmill Creek at Colleton Creek
18-07	Okatie River at Indigo Plantation
18-08	Okatie River at Dock Without House
18-09	First Unnamed Tributary in Chechessee Creek from Colleton River
18-10	Second Bridge to Callawassie Island
18-11	First Bridge to Callawassie Island
18-12	Series of Unnamed Tributaries in Chechessee Creek
18-13	First Unnamed Tributary to Chechessee Point in Chechessee Creek
18-14	Tributary from Spring Island Shrimp Pond
18-15	Dock at Waddell Mariculture Center
18-16	Okatie River at confluence of Pinkney Colony tributary
18-17	Okatie River at confluence of Cherry Point tributary

Area 19 (26 Active)

Station	Shellfish Station Description
19-01	May River South of Palmetto Bluff, Marker #8
19-02	Unnamed Creek at Jack Crow Island in Cooper River
19-02A	Cooper River at New River
19-03	Ramshorn Creek at Cooper River
19-04	Cooper River at Marker #41 - Daufuskie Island
19-05	Bloody Point at Mungen Creek
19-06	Wright River, Marker #43
19-07	Ramshorn Creek at New River
19-08	First Creek on Left up New River at Pollution Line
19-09	Bull Creek at Cooper River
19-11	Bull Creek at Savage Creek
19-12	Bull Creek at May River
19-16	May River Behind Bluffton Oyster Co-op
19-17A	Cooper River Marina at Edge of CSZ
19-18	May River below Drainage Canals at Marker #11
19-19	May River at First Dock in Headwaters past Bluff
19-19A	At unnamed trib near SW corner of Gasciogne Bluff
19-19B	At apex of the curve on the May River near Palmetto Bluff
19-19C	At first named tributary leading from Gascoigne Bluff
19-20	1.5 Miles up Wright River from Fields Cut
19-21	2.5 Miles up New River from Station 19-02a
19-22	Wright River at Fields Cut
19-24	May River at Southern end of Crane Island
19-25	May River at Green Marker #25
19-26	May River SE of Hayward Cove
19-27	Wright River @ confluence with Atlantic Ocean

Area 20 (24 Active)

Station	Shellfish Station Description
20-02	Calibogue Sound, Marker #32
20-03	Shark Bank and Broad Creek - CSZ Sea Pines WWTP, Marker #2
20-04A	Broad Creek at Palmetto Bay Marina CSZ
20-05	May River at Calibogue Sound
20-06	Jarvis Creek at Calibogue Sound
20-07	Buckingham Landing at Bridge
20-09	Mackey Creek and Chechessee River
20-10	Skull Creek at Small Creek from Mariner's Cove
20-11	Skull Creek, Marker #19
20-12	Skull Creek Behind Hilton Head Seafood Company
20-13	Skull Creek and Port Royal Sound
20-15A	Broad Creek at Calibogue Sound - North End of Buck Island
20-16	Creek Behind Lynn Smith's Oyster Plant at Broad Creek
20-17B	Broad Creek at Broad Creek Marina CSZ
20-18	Broad Creek at Shelter Cove Marina

Area 20 (continued)

Station	Shellfish Station Description
20-19A	Broad Creek at Harbor Town Marina CSZ
20-20A	Moss Creek Marina CSZ
20-22	Old House Creek at Calibogue Sound
20-23	First Major "Y" In Jarvis Creek
20-24	First Major Creek Right After Marker #18
20-25	Broad Creek at Confluence of Channel Leading to Old Oyster Factory
20-26	Northwest of S. Beach Marina closure zone at Latitude
20-28	Broad Creek at Southern Boundary of South Island WWTP Prohibited CZ
20-29	Broad Creek at Northern Boundary of South Island WWTP Prohibited CZ

I. Parameters Sampled at Ambient Groundwater Monitoring Sites

Ambient groundwater monitoring is currently suspended. This section is reserved for future use as needed.

J. List of Section 319 NPS Sites

Station	Description	County	12-Digit HUC	Reason
RS-02480	SHAW CK AT SC 191	Aiken, Edgefield	30502040107	319
E-579	SHAWS CR. AT SR 153	Aiken, Edgefield	30502040107	319
E-094	SHAW CREEK AT S-02-26 4.2 MI NE AIKEN	Aiken, Edgefield	30502040107	319
RS-03344	HILLYER BRANCH AT HILLYER BRANCH RD	Aiken, Edgefield	30502040106	319
SV-831	SAND RIVER AT DIBBLE ROAD	Aiken	30601060203	319
SV-111	THREE AND TWENTY CREEK AT S-04-280	Anderson	30601010702	319
SV-735	THREE AND TWENTY CREEK AT SR29	Anderson	30601010702	319
SV-833	THREE AND TWENTY CREEK AT HWY 88	Anderson	30601010701	319
SFH-19-26	SHELLFISH MONITORING SITE 19-26	Beaufort	30601100301	319
RS-10344 aka RS-01021	UPPER CAW CAW SWAMP-NORTH FORK EDISTO RIVER	Calhoun	30502030305	NRCS
E-002	S FORK EDISTO RVR AT S-19-57 BL JOHNSTON SWR OUTFALL	Edgefield	30502040101	NRCS
PD-065	GULLEY BR AT S-21-13, TIMROD PARK	Florence	30402010902	319
S-250	SALUDA RVR AT FARRS BRIDGE RD	Greenville	30501090301	319
S-773	AT CO. RD. 19 AND RIGHT UNDER SC 25	Greenville	30501090102	319
S-004	NORTH SALUDA RVR AT KEELER BRIDGE RD	Greenville	30501090102	319
SR-001	CALAHAN BRANCH OFF CALLAHAN MOUNTAIN RD	Greenville	30501090101	319
S-299	SOUTH SALUDA RVR AT SC 186	Greenville, Pickens	30501090204	319
B-332	SOUTH TYGER RIVER AT PRICE HOUSE RD	Greenville, Spartanburg	30501070305	319
B-018A	NORTH TYGER RIVER AT BRDG ON S-231 (MORRIS BRIDGE RD)	Greenville, Spartanburg	30501070203	319
B-014	MIDDLE TYGER RIVER AT ANDERSON MILL RD	Greenville, Spartanburg	30501070103	319
B-018A	NORTH TYGER RIVER AT BRDG ON S-231 (MORRIS BRIDGE RD)	Greenville, Spartanburg	30501070203	319
PD-363	SIMPSON CREEK AT SC 905	Horry	30402060705	319
MD-124	WACCAMAW RVR AT SC 9	Horry	30402060704	319
PD-619		Horry	30402040804	319
C-067	RED BANK CRK AT SANDY SPRINGS LN	Lexington	30501100101	319
C-070	CONGAREE CK AT OLD STATE RD	Lexington	30501100104	319
PD-187	SMITH SWAMP AT BRDG ON S-34-87 (SHANNON RD)	Marion	30402011102	NRCS
C-001	GILLS CK AT BRDG ON US76-GARNERS FERRY RD	Richland	30501100203	319
C-017	GILLS CK AT SC 48 (BLUFF ROAD)	Richland	30501100203	319
B-834	SMITH BRANCH AT COLUMBIA CANAL	Richland	30501060708	319
B-281 (historic station)	SMITH BRANCH DOWNSTREAM OF EARLEWOOD PARK	Richland	30501060708	319
S-050	LITTLE SALUDA RVR AT US 378 E SALUDA	Saluda	30501091104	319, NRCS
S-123	LITTLE SALUDA RVR AT S-41-39 5.2 MI NE SALUDA	Saluda	30501091104	319, NRCS
RS-05590	BIG CREEK AT BRDG ON SC-39 (CHAPPEL HWY)	Saluda	30501091103	319, NRCS

K. List of Facilities Requiring Federal Compliance Sampling Inspections by EA Regional Office

PLANNED CSI INSPECTIONS

REGION 1 - ANDERSON

NPDES	*NAME*	*TYPE*
SC0048470	REWA/ PIEDMONT	MUNIC
SC0023744	ANDERSON/ ROCKY RIVER	MUNIC

REGION 1- GREENWOOD

NPDES	*NAME*	*TYPE*
SC0037974	LAURENS COW&S/ CLINTON-JOANNA	MUNIC
SC0020214	WARE SHOALS/ DAIRY STREET	MUNIC

REGION 2 - GREENVILLE

NPDES	*NAME*	*TYPE*
SC0033804	REWA/ PELHAM WWTP	MUNIC
SC0034843	CLEMSON UNIVERSITY WWTP	MUNIC

REGION 2 - SPARTANBURG

NPDES	*NAME*	*TYPE*
SC004732	SSSD/ S. TYGER RIVER REGIONAL WWTP	MUNIC
SC0002798	AURIGA POLYMERS INC/ SPARTANBURG	IND
SC0021601	INMAN/ CITY OF	MUNIC

REGION 3 - LANCASTER

NPDES	*NAME*	*TYPE*
SC0036081	CHESTER/ SANDY RIVER WWTP	MUNIC
SC0020443	ROCK HILL/ MANCHERSTER	MUNIC

REGION 3 –COLUMBIA

NPDES	*NAME*	*TYPE*
SC0003557	SHAW INDUSTRIES INC/ COLUMBIA	IND
SC0024147	CAYCE WWTP	MUNIC
SC0038121	INTERNATIONAL PAPER/ EASTOVER	IND

REGION 4 - FLORENCE

NPDES	*NAME*	*TYPE*
SC0046230	GSW&SA / MARION WWTP	MUNIC
SC0042188	DOMTAR PAPER CO/ MARLBORO MILL	IND

REGION 4 – SUMTER

NPDES	*NAME*	*TYPE*
SC0035378	BISHOPVILLE WWTP	MUNIC
SC0002518	DEROYAL TEXTILES	IND

REGION 5 - AIKEN

NPDES	NAME	TYPE
SC0047872	BARNWELL/ CITY OF WWTP	MUNIC

REGION 6 – MYRTLE BEACH

NPDES	*NAME*	*TYPE*
SC0040029	GEORGETOWN/ CITY OF WWTP	MUNIC
SC0040959	GCW&SD/ MURRELS INLET WWTP	MUNIC

REGION 7 - CHARLESTON

NPDES	*NAME*	*TYPE*
SC0038822	DORCHESTER CO/ LOWER DORCHESTER WWTP	MUNIC
SC0038555	SHOWA DENKO CARBON INC	IND
SC0028584	INEOS US CHEMICAL COMPANY	IND

REGION 8 - BEAUFORT

NPDES	*NAME*	*TYPE*
SC0048348	BJW&SA PORT ROYAL WTR RECLAMATION	MUNIC
SC0002020	DOMINION ENERGY/ CANADYS STATION	IND