Savannah River NUCLEAR SOLUTIONS℠

Second Sampling and Analysis Plan Addendum for the C-Area Groundwater (CAGW) Operable Unit (OU) (U)

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LIST OF ACRONYMS AND ABBREVIATIONS

Acronym	Meaning
~	approximately
1Q26	First Quarter of 2026
2Q25	Second Quarter of 2025
2Q26	Second Quarter of 2026
4Q24	Fourth Quarter of 2024
4Q25	Fourth Quarter 2025
ACP	Area Completion Projects
amsl	Above Mean Sea Level
CAGW	C-Area groundwater
CAOU	C-Area Operable Unit
CBRP	C-Area Burn Rubble Pit
CCT	Castor Creek Tributary
CM	Contaminant Migration
CMS/FS	Corrective Measure Study/Feasibility Study
COPC	Contaminant of Potential Concern
CRDL	Contract Required Detection Limit
CRSB	C-Reactor Seepage Basins
DAOU	D-Area Operable Unit
DQD	Decision Quality Data
DQOs	Data Quality Objectives
DUR	Data Usability Report
ERH	Electrical Resistance Heating
RFI/RI	RCRA Facility Investigation/Remedial Investigation
ft	Feet of Foot
ft^3	Cubic Feet
ft bgs	Feet Below Ground Surface
ft/yr	Feet per Year
FMB	Fourmile Branch
g	gram
GA	Gordon Aquifer
IDW	Investigation Derived Waste
J	Assigned EPA identifier for estimated value
km	Kilometer(s)
km^2	Square Kilometers
LAZ	Lower Aquifer Zone
LLC	Limited Liability Company
LUC	Land Use Control(s)
m	Meter(s)
m^3	Cubic Meters
m/yr	Meters per Year
MAZ	Middle Aquifer Zone
mi	Mile(s)

mg/kg	Milligrams per Kilogram
mi^2	Square Miles
MNA	Monitored Natural Attenuation
MDC	Minimum Detectable Concentration
MCL	Maximum Contaminant Level
MCL-SSL	Maximum Contaminant Level Soil Screening Level
MDL	Minimum Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
OU	Operable Unit
NPDW	National Primary Drinking Water
PFAS	Per- and polyfluoroalkyl substances
pCi/mL	Picocuries per Milliliter
PRG	Preliminary Remediation Goal
PTSM	Principal Threat Source Material
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
RPD	Relative Percent Difference
RSL	USEPA Regional Screening Level
SAP	Sampling and Analysis Plan
SCDES	South Carolina Department of Environmental Services
SEMS	Superfund Enterprise Management System
SRNS	Savannah River Nuclear Solutions, LLC
SRS	Savannah River Site
ssEQL	Sample specific estimated Quantitation Limit
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCE	Trichloroethylene
TCCZ	Tan Clay Confining Zone
TCL	Target Compound List
TCLC	Tan Clay Lower Clay
TCUC	Tan Clay Upper Clay
TPH-DRO	Total Petroleum Hydrocarbon-Deisel Range Organics
UAZ	Upper Aquifer Zone
µg/kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
UTRA	Upper Three Runs Aquifer
VOCs	Volatile Organic Compounds
VSP	Visual Sample Plan Software
VV	Verified and Validated

1.0 INTRODUCTION

This second addendum to the Sample and Analysis Plan (SAP) for the C-Area Groundwater (CAGW) Operable Unit (OU) was prepared in accordance with the United States Environmental Protection Agency (USEPA) *Uniform Federal Policy for Quality Assurance Project Plans* (USEPA, et al, 2005) and the *Area Completion Projects Programmatic Quality Assurance Project Plan for Environmental Data Collection and Management* (SRNS 2012). Project- or task-specific information for the waste unit is documented in the SAP and refers to the program level Quality Assurance Program Plan (QAPP) for the program-level quality objectives, standard operating procedures, and quality assurance/quality control procedures.

1.1 Purpose for Current Sampling at the CAGW OU

Subsequent to the submittal of the Statement of Basis/Proposed Plan (SRNS, 2011), which proposed monitored natural attenuation (MNA) and land use control (LUC) boundaries for the CAGW OU in April 2011, the Core Team (consisting of the United States Department of Energy [USDOE], the United States Environmental Protection Agency [USEPA], and the South Carolina Department of Environmental Services [SCDES[1]]) agreed to continue groundwater and surface water monitoring and annual reporting for the CAGW OU in support of a final remedial action. In response, Savannah River Nuclear Solutions (SRNS) developed an SAP (SRNS 2012a) to establish a network of groundwater wells and surface water stations to monitor, evaluate, and report the movement of trichloroethylene (TCE) and tritium groundwater plumes in the CAGW OU. In 2017, an addendum to the SAP was developed to update the established CAGW OU monitoring network, install additional wells to further evaluate the TCE and tritium groundwater plumes discharging to an unnamed Castor Creek tributary (CCT), evaluate changes to the TCE groundwater plume near the C-Reactor building (105-C), and establish a groundwater monitoring station downgradient of the Fuel Unloading Facilities Power Station (108-3C) (SRNS 2017). This second addendum to the SAP is being prepared to document the characterization of an additional contaminant of potential

[1] South Carolina Department of Environmental Services (SCDES) was known as South Carolina Department of Health and Environmental Control prior to July 1, 2024.

concern (COPC), per- and polyfluoroalkyl substances (PFAS), and to establish a PFAS monitoring network, per the Core Team key agreements from the 2026 scoping summary (SRNS 2026).

1.2 CAGW OU Location

C-Area occupies a west-central part of the Savannah River Site (SRS) in Barnwell County, South Carolina within the Fourmile Branch (FMB) watershed (Figure 1). The CAGW OU defines the area encompassing the impacted groundwater located beneath and downgradient of C-Area (105-C and ancillary buildings) (Figure 2). The CAGW OU is characterized and divided into three (3) subunits:

- Vadose zone Unit (subsurface soil to groundwater),
- Groundwater Unit (Upper Three Runs Aquifer [UTRA] and Gordon Aquifer [GA]), and
- Surface water Unit (discharges from Twin Lakes drainage, groundwater discharge to Castor Creek, and Fourmile Branch [groundwater emerging along seepline]).

1.3 CAGW OU SAP Second Addendum Broad Objective

The broad objective of the SAP second addendum is to delineate and document the location and extent of PFAS contamination in the soils, groundwater, and surface waters. This objective will be achieved in two (2) phases:

Phase 1 will include the following:

- Collect 0-1 foot below ground surface (ft bgs) composite grab samples of soil at suspected PFAS source areas (i.e., fire training exercise area and Feller Buncher fire location).
- Beginning from the ground surface to the GA, complete soil borings and discrete soil and groundwater samples (rotosonic drilling) in the source areas and downgrade from the source areas.

- Collect 15-20 (0-1 ft bgs) composite grab samples of sediment and discrete surface water samples (depending on accessibility) from the C-Area Discharge Canal, CCT, Castor Creek, and the FMB.

- Expand network of monitoring stations currently sampled for PFAS to include existing seepline well locations along Castor Creek and additional groundwater monitoring well locations.

Phase 2 will include the following:

- Identify and establish PFAS sampling station network (determined by data collected from existing stations) to be used for annual sampling and monitoring of PFAS in the CAGW OU.

- Identify and install new monitoring stations (as needed) based on soil, surface water, and groundwater data collected in Phase 1 where potential gaps exist in the current monitoring network.

2.0 CAGW OU BACKGROUND

2.1 CAGW OU Physical and Geographical Description

The CAGW OU encompasses an area of approximately (~) 3.29 square kilometers $(km)^2$ (1.27 square miles $[mi]^2$) from a northern apogee (105-C Reactor building and ancillary structures) west to the FMB, south to Castor Creek, and ending to the southwest at the confluence of the FMB and Castor Creek (Figure 2). The CAGW OU is found on a broad, convex ridge within the FMB watershed. Local relief ranges from 89.9 meters (m) (295 feet [ft]) above mean sea level (amsl) to 48.2 m (158 ft) amsl along FMB and 48.8 m (160 ft) amsl along Castor Creek. The ground surface slopes gently to the west from C-Area to the FMB and Castor Creek. During C-Reactor operations, the reactor water discharge eroded Castor Creek downward ~ 4.6 to 6.1 m (15 to 20 ft) from the original elevation. The FMB discharges into the Savannah River floodplain and associated swamps ~ 13 km (8 mi) downstream from its confluence with Castor Creek.

The aquifers of concern within the CAGW OU footprint are part of the Floridan aquifer system. The aquifer system is divided into two (2) aquifer units separated by a confining unit. From top to bottom, they are known as the UTRA, the Gordon Confining Unit (GCU), and the GA. The UTRA is sub-divided into three (3) aquifer zones: the Upper Aquifer Zone (UAZ); the Middle Aquifer Zone (MAZ); and the Lower Aquifer Zone (LAZ). The UAZ and LAZ are divided by an informal aquitard referred to as the "Tan Clay Confining Zone" (TCCZ). The MAZ exists as a sandy to clay/sand zone between the Tan Clay Upper Clay (TCUC) and the Tan Clay Lower Clay (TCLC) confining layers of the TCCZ (Figure 3).

The top of the water table in C-Area (proximal to building 105-C) descends in elevation and hydrostratigraphic unit from the UAZ into the MAZ near Castor Creek and the FMB. Cross sections in Figure 4 through Figure 6 depict water table elevations, stratigraphic units, and the fourth quarter of 2025 (4Q25) TCE and tritium concentrations for monitoring stations traversing the cross-section lines. While the hydraulic conductivity within the UTRA varies across aquifer zones at the CAGW OU, the overall average groundwater velocity is 21.3 meters per year (m/yr) (70 feet per year [ft/yr]) to the points of discharge along FMB (WSRC 2001). A detailed description of the hydrostratigraphic units relevant to the CAGW OU can be found in the Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) report (WSRC 2004a).

2.2 Operational History

The C-reactor, located within C-Area, achieved criticality in March 1955 and was operational until it was shut down in August 1968 to repair cracks in the reactor vessel. The reactor returned to service in October 1968, and operations continued until June 1985. In 1985, the reactor was placed in warm standby and transitioned to cold standby in 1987.

2.3 Previous Investigations/Regulatory Actions

Processes conducted during C-Reactor operations generated large quantities of tritium (a fission by-product). Solvents containing TCE were used as a degreaser to clean machinery and components associated with C-Reactor operations. Characterization from 1998 to 2002 (WRSC 2004a) found both TCE and tritium in groundwater and surface water in concentrations above their

respective maximum contaminant level (MCL) of 5 micrograms per liter (µg/L) and 20 picocuries per milliliter (pCi/mL), respectively.

Tritium

Aside from atmospheric releases, the three (3) primary discharge areas for tritium to soil and groundwater in C-Area were leaks from the distillation columns outside building 105-C (Purification Wing), the C-Area Discharge Canal, and the C-Reactor Seepage Basins (CRSBs) (Figure 2). The CRSBs, historically known to contain tritium and other radionuclides, were remediated (closed) using low-permeability grout stabilization and soil cover system as documented in the Post Construction Report (WSRC 2003). Tritium is present in the distillation-column concrete pad east of building 105-C (Purification Area) which was deactivated and decommissioned circa 1980 (Figure 2). The ~1.4 m (4.5 ft)-thick concrete pad is ~11 m x 4.9 m (36 ft x 16 ft) yielding a volume of 75.4 cubic meters (m^3) (2,592 cubic feet [ft^3]). The maximum tritium concentration for the concrete pad was 4,830 pCi per gram (pCi/g). This value is well below the contaminant migration (CM) cleanup level (68,000 pCi/g) used at D-Area Operable Unit (DAOU) moderator processing subunit concrete at 420-D, 420-2D and 421-2D. The CM cleanup level is conservative given the shallow depth of ~2.4 m (8 ft) to groundwater in D-Area compared to the shallowest depth to water in C-Area (~22.1 m [72.4 ft]). The tritium maximum concentration of 117 pCi/g in the vadose zone soil adjacent to the Purification Area (CRTA-03) is also below the CM cleanup level for soils (120 pCi/g) used at DAOU moderator processing subunit. Based on the continued tritium groundwater concentration decreasing trend from the maximum of 8,230 pCi/mL 2013 to 189 pCi/mL in 2025, tritium in the vadose zone does not present as a continuing source to groundwater above the MCL at the CAGW OU.

TCE

The use of solvents during operations at the C-Reactor Assembly Area generated TCE contamination within the CAGW OU. An area of TCE contamination exceeding 1,000 micrograms per kilogram (µg/kg) in the vadose zone was documented in the RFI/RI report (WSRC 2004a). The ~18.3 x 18.3 m (60 ft x 60 ft) area extended ~9.1 m (30 ft) bgs increasing to an area of ~27.4 m x 48.8 m (90 ft x 160 ft) near the base of the vadose zone at ~22 m (72 ft) bgs (Figure 2). The

maximum TCE concentration observed in the vadose zone was 51.8 milligrams per kilograms (mg/kg) at CRGW-004.

An Interim Record of Decision (WSRC 2004b) selected electrical resistance heating (ERH) combined with soil vapor extraction (SVE) to address the C-Reactor Area TCE Vadose Zone Source. The ERH system (consisting of a 10-m [30-ft] diameter ERH array with associated SVE wells) operated from June 2006 through September 2006. An estimated 330 kg (730 pounds) of TCE was removed (WSRC 2007). The overall removal efficiency, based on two (2) soil cores collected within the center of the ERH array in 2006, was estimated at 99.4%. In addition, the ERH reduced the residual TCE concentrations outside of the target zone, yielding an overall TCE removal efficiency of 95% based on soil data collected for a C Area OU (CAOU) soil investigation in 2011.

2.4 Summary of Existing Data

Table 1 summarizes the current (4Q25) TCE and tritium sample data collected from groundwater and surface water station locations at the CAGW OU for comparison to established MCLs (5 µg/L and 20 pCi/mL, respectively). Table 2 provides a summary of the detected PFAS concentrations from groundwater and surface water station samples collected in the second quarter of 2026 (2Q26) to the six (6) EPA established national primary drinking water (NPDW) MCLs and the Hazard Index (unitless) for PFAS. Table 3 summarizes the detections of PFAS concentrations in 25 soil samples collected from suspected PFAS vadose zone source areas (0 to 1 ft bgs composite samples) and compares the first quarter of 2026 (1Q26) soil data to the established EPA regional soil screening level (RSL) and MCL-based soil screening levels (for groundwater protection).

3.0 DATA QUALITY OBJECTIVES

The Data Quality Objective (DQO) process is a series of logical steps that guides managers or staff to a plan for the resource-effective acquisition of environmental data. It is flexible, iterative, and applicable to both decision-making (e.g., compliance or non-compliance with a standard) and estimation (e.g., determining the mean concentration of a contaminant). The DQO process is used to establish performance and acceptance criteria, which form the basis for designing a plan to collect data of sufficient quality and quantity to support the goals of the study. Use of the DQO

process results in efficient and effective resource expenditure, consensus on the type and quantity of data needed to meet the project goal, and complete documentation of actions taken during the development of the project. The DQO process is a series of seven (7) planning steps based on the scientific method (Sections 3.1.1 to 3.1.7 below) and is detailed in USEPA Guidance (USEPA 2006).

3.1 CAGW OU Subunit Problems Warranting Action

3.2 Vadose Zone, Groundwater, and Surface Water Contamination

Tritium (groundwater and surface water subunits)

A tritium groundwater plume, with concentrations above 20 pCi/mL, encompasses ~ 350 acres in the southern portion of the CAGW OU. The current plume discharges to the FMB, Castor Creek, and the CCT (Figure 7). The plume is present in all of the aquifer zones of the UTRA (UAZ, MAZ, and LAZ) and extends up to 25 m (80 ft) vertically at the thickest point (Figure 4 through Figure 6). The 4Q25 maximum tritium groundwater concentration (450 pCi/mL) was collected at monitoring well CRW024C (screened in the MAZ) in the distal southern end of the plume (near the CCT). The 4Q25 maximum surface water tritium concentration (119 pCi/mL) was collected at surface water station CCT-01, downgradient from CRW024C. The 4Q25 tritium concentrations from all the sampled station locations are presented in Table 1.

TCE (groundwater and surface water subunits)

A comingled TCE plume with concentrations above 5 µg/L, encompasses ~ 100 acres in the southern portion of the CAGW OU and is currently discharging to the CCT (Figure 8). The current plume extends up to 18 m (60 ft) vertically at the thickest point and is present in all of the aquifer zones of the UTRA (UAZ, MAZ, and LAZ) and, in 4Q25, for the first time in the GA (Figure 4 through Figure 6). The 4Q25 maximum TCE groundwater concentration (89.9 µg/L) was collected at monitoring well CRW029C (MAZ) in the distal southern end of the plume (near the CCT). The 4Q25 maximum surface water TCE concentration (8.14 µg/L) was collected at CCT 01. The 4Q25 TCE concentrations from all the sampled station locations are presented in Table 1.

PFAS (vadose zone, groundwater, and surface water subunits)

Groundwater and Surface Water

The presence of PFAS contamination in the CAGW OU groundwater and surface waters (Castor Creek and the CCT) was confirmed in the fourth quarter of 2024 (4Q24). Additional sampling locations were added in the second quarter of 2025 (2Q25), 4Q25, and the second quarter of 2026 (2Q26) to further evaluate the extent of the PFAS contamination. The full extent (both size and concentration) of the PFAS groundwater contamination is currently unknown.

In 2Q26, detectable concentrations (above the minimum detection limit [MDL]) in one (1) or more zones of the UTRA (UAZ, MAZ, and/or LAZ) and the GA exceeded the EPA-established NPDW MCL or Tap Water Screening Levels for specific PFAS compounds. Figure 9 identifies monitoring stations with one (1) or more PFAS compound concentrations that exceed the USEPA established MCLs and/or Hazardous Index (H.I.). Table 2 summarizes and compares the 2Q25, 4Q25 and 2Q26 PFAS groundwater and surface water detections to the H.I. and the established PFAS NPDW MCLs and tap water limits.

Vadose Zone

The presence of PFAS contamination in the vadose zone was confirmed in the first quarter of 2026 (1Q26). The full extent (size and concentration) of PFAS contamination in the vadose zone is currently unknown. A total of 25 soil samples (0–1 ft bgs) were collected along the approximately 700-ft-long fire training exercise area and the presumed Feller Buncher fire location (Figure 10 and Figure 11, respectively). PFAS concentrations exceeding the EPA-established regional screening levels (RSLs) for industrial and residential soils, or the MCL-based soil screening level (MCL-SSL) established for groundwater protection, were detected in one or more soil samples collected in 1Q26. Table 3 summarizes and compares the 1Q26 soil sample detections to the established EPA RSLs and MCL-based soil screening levels (MCL-SSL).

Figure 12 presents a conceptual site model illustrating the primary source and potential receptors associated with contaminated vadose zone soils, groundwater, and surface water.

3.3 Study Decisions

The objective of this SAP second addendum study is to collect representative groundwater, surface water, and sediment/soil data of sufficient quality to support remedial and removal alternative decisions that address PFAS contamination in the CAGW OU. Additionally, since TCE and tritium remain prevalent throughout the CAGW OU, continued long-term monitoring of surface water and groundwater is proposed to support remedial/removal alternative selections for the final record of decision (ROD).

The decision statement of this second addendum includes the following:

- Delineate the extent of PFAS contamination in the vadose, groundwater, and surface water zones.
- Collect sufficient sediment/soil, groundwater, and surface water PFAS data to support the Corrective Measures Study/Feasibility Study (CMS/FS).
- Identify data gaps in the existing monitoring network to support installation of additional groundwater monitoring wells.
- Establish a monitoring network adequate for collecting TCE, tritium, and PFAS groundwater plume and surface water data to support remedial/removal alternatives for the final ROD.

3.4 Input for the Study Decisions

All historical data collected in support of the CAGW OU have been reviewed and summarized in previous regulatory documents (WSRC 2003, WSRC 2004a, WSRC 2004b, WSRC 2007, SRNS 2012, SRNS 2012a, and SRNS 2017). The historical data and current monitoring network are of sufficient quality to support long-term monitoring of TCE and tritium plumes and the interim removal decisions (i.e., ERH and SVE in the vadose zone, CRSB closure, and edible oil treatment barrier) performed to address the tritium and TCE groundwater plumes. However, continued TCE and tritium data collection and trend analyses are required to support final remedial decisions.

For PFAS there is insufficient data and monitoring gaps make it difficult to accurately determine the size and extent of the contamination in groundwater, surface water and sediment/soil in support

of any final decision. These data deficiencies will be addressed with further discrete soil and groundwater sampling inputs. Because of the strong affinity to silts and clays, sediment samples will be analyzed for PFAS and used as a corollary tool for establishing if and/or where PFAS contamination seeps into surface water.

The established USEPA RSL, MCL, and preliminary remediation goal (PRG) screening tables (as appropriate) will be used as the basis to guide decisions and screening.

3.5 Boundaries of the Study

This second addendum study will be conducted within the CAGW OU, CAOU, and C-Area Burning Rubble Pit (CBRP OU) boundaries, as well as Castor Creek, the C-Area Discharge Canal, and the FMB (potentially impacted by CAGW OU groundwater) (Figure 2).

3.6 Decision Rules and Analytical Approach

Samples will be analyzed by laboratories that have passed the USDOE Consolidated Audit Program qualification audit and using USEPA SW846 methods, or approved equivalents, which have been certified by SCDES. Radiological analyses will be performance based and evaluated by the USDOE Mixed Analyte Performance Evaluation Program. Laboratory developed radionuclide methods are typically based on USEPA or USDOE methods.

MCLs will be the point of comparison for soil/sediment and groundwater/surface water constituent concentrations according to the protocols established in the Federal Facility Agreement (FFA 1993). In the absence of an MCL for a constituent, the USEPA tap water RSLs, which specify a 1E-06 or an HQ of 1 human health risk-based threshold values for constituents, will be used as a comparison for groundwater concentrations. Therefore, MCLs will be the primary point of comparison for an Action Level; but if a constituent does not have an MCL, then the RSL or MCL-SSL will be the primary point of comparison for an Action Level. In addition, some groundwater samples and surface water samples will be analyzed for MNA parameters that will help with the decision-making process of picking a remedial strategy.

Additional details for the analytical approach are provided in Section 5. Data Validation.

3.7 Limits on Decision Errors

According to USEPA guidance (USEPA 2006), "The USEPA has developed the DQO Process as the Agency's recommended planning process when environmental data are used to select between two or more alternatives or to derive an estimate of contamination. The DQO process is a seven-step method designed to ensure that the appropriate type, quantity, and quality of environmental data are collected for the intended application. SW-846 methods are analytical procedures for sample analyses and are presented in the Analytical Plan, Section 5. Section 4 presents the DQO worksheet developed for the CAGW OU and specifies the quantity, type, and quality of data required, ensuring representative data is collected for each sampling population.

Total study error is the additive impact of two (2) main sources of error: 1) sampling error and 2) measurement error, with sampling error accounting for the vast majority of the total error. "As much as 90% or more of the uncertainty in environmental data sets is due to sampling variability as a direct consequence of the heterogeneity of the environmental matrices" (Crumbling 2001). The best method to reduce sampling error is to gather representative samples (Crumbling 2001).

It is incorrect to assume that randomly collected, non-representative samples, even when combined with perfect analytical chemistry, will always lead risk managers to correct decisions. In order to avoid incorrect risk-management decisions, it is more important to develop Decision Quality Data (DQD). DQD is defined as "Data of known quality that can logically be demonstrated to be effective for making the specified decision because both the sampling and analytical uncertainties are managed to the degree necessary to meet clearly defined and stated data needs (Crumbling 2001). Therefore, it is more important for the risk managers to rely on decision quality data, emphasizing representative sampling with a specified percentage of definitive data, rather than focusing solely on analytical data quality, which does not necessarily equate to correct risk-management decisions.

The DQOs for the CAGW OU represent the type and level of analytical quality needed for characterization at this unit and can be found in Sections 4 and 5 of this SAP.

Because SRS possesses substantial process and historical knowledge, and, in most cases, preliminary or survey data results for the majority of its waste units, this sampling plan will focus

on controlling sampling error (the greatest contributor to total error) and setting tolerable limits on decision errors. This will be achieved through judgmental, judgmental-stratified, and systematic sampling designs based on process knowledge, existing and historical data, survey results, and institutional knowledge to generate decision quality data. SRS will use this sampling approach to focus sample collection in areas of known contamination, rather than relying on sampling strategies intended to randomly locate contamination, in order to reduce decision errors. The judgmental sampling approach provides a conservative and reliable method for representative sampling, with a high bias toward detecting maximum (worst-case) contaminant concentrations while reducing total study error.

Specific performance objectives include the following:

- RPD (relative percent difference) < 20% between regular groundwater sample and field duplicate when result >= sample specific estimated Quantitation Limit (ssEQL) for precision data quality indicator.
- RPD < 35% between regular soil sample and field duplicate when result >= ssEQL for precision data quality indicator.
- RPD < 100% when groundwater sample result >= MDL but < ssEQL for precision data quality indicator.
- RPD < 200% when soil sample result >= MDL but < ssEQL for accuracy/bias for precision data quality indicator.
- Percent Recovery from Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are generally >= 135% or < 30% for accuracy/bias data quality indicator. MS recovery windows may be tighter than those listed. Refer to the Measurement Performance Criteria Tables in the QAPP (SRNS 2012) for analyte and media-specific recovery percentages.
- No target compound >= ssEQL for equipment blank, field blanks, method blanks, or instrument blanks for accuracy data quality indicator.
- ssEQL < MCL, RSL, or PRG for sensitivity data quality indicator.
- Split sample result will have an RPD = 100% for groundwater samples and 200% for soil samples.

- 5% of the samples will be split samples for the comparability data quality indicator.
- 95% of samples sent to laboratory have useable (non-rejected) results for completeness data quality indicator.
- 90% of planned samples are collected and their data are useable for completeness data quality indicator.
- The objective for the representativeness data quality indicator is qualitative and will be met by properly documenting field and analytical protocols. In the event these procedures and methods are not able to be implemented, the appropriate corrective action documentation should encompass the impact on the representativeness of the information. When review of the data and documentation determines the data to be nonrepresentative, the information is qualified for use or is not used by the project.

3.8 Optimize Design for Obtaining Data

This SAP addendum has been developed based on evaluation of PFAS groundwater and surface water data collected during 2024-2026 from the monitoring network in the CAGW OU and preliminary 0-1 ft bgs soil sampling at suspected PFAS source locations.

Vadose zone soils (composite 0-1ft bgs samples and discrete shallow subsurface soil samples collected to the water table) will be collected to delineate potential PFAS sources and possible contributions to groundwater contamination through secondary pathways. Annual groundwater and surface water samples will continue to be collected from established monitoring stations that comprise the CAGW OU monitoring network. The specific characterization plan for groundwater and surface water is provided in Section 4, Sampling Design and Rationale.

4.0 SAMPLING DESIGN AND RATIONALE

Implementation of the SAP to obtain decision quality data for the CAGW OU is documented in the remaining sections of this sampling and analysis plan. The following section describes how the plan is implemented to collect physical data to meet the criteria developed during the DQO process. Depending upon the DQO, data will be verified and/or validated according to the following criteria.

Verification – Confirmation by examination and provision of objective evidence that the specified analytical requirements have been met. This is to be an electronic data deliverable completeness check for all required fields. Data verification includes confirming that all sampling data and data fields requested from the laboratory have been received and comply with specified requirements.

Validation – Confirmation by manual examination and provision of objective evidence that the particular requirements for a specific intended use are fulfilled. Data validation consists of any analyte and sample specific process for evaluating compliance of the laboratory data received with methods, procedures, or contract requirements.

Data will be received electronically from the laboratories, loaded into, and managed with the Comprehensive Environmental Data Management System (CEDMS). The rationale and details of the sampling design and strategy are summarized in the DQO worksheets for the CAGW OU vadose zone soils, groundwater, and surface water/stream sediments (Table 4, Table 5, and Table 6, respectively).

4.1 PFAS Soil/Sediment and Groundwater/Surface Water

Additional characterization is required to adequately describe the extent of the PFAS contamination in groundwater, surface water, and sediment/soil within the CAGW OU in order to determine remedial alternatives. The sample design will be implemented in two (2) phases to achieve the DQOs for PFAS characterization:

Phase 1 will include the following:

- Collect 14 composite grab soil samples (0-1 ft bgs) from suspected PFAS source areas (i.e., fire training exercise area and presumed Feller Buncher fire location).
- Complete six (6) soil borings (rotosonic drilling) in the source areas from the ground surface to the GA:
    - Collect discrete samples, two (2) for every 10 feet of soil, in the vadose zone beginning from the surface to the water table and two (2) discrete soil samples from each clay confining zone beginning from the water table to the GA.

  - Collect two (2) discrete water samples from each aquifer zone starting from the water table to the GA.

- Complete nine (9) soil borings (rotosonic drilling) downgradient from the source areas beginning at the ground surface to the GCU:
  - Collect two (2) discrete soil samples in each clay confining zone starting at the water table to the GCU.
  - Collect two (2) discrete water samples from each aquifer zone starting from the water table to the GCU.
- Collect 15-20 (0-1 ft bgs) composite grab sediment samples (depending on accessibility) from the C-Area Discharge Canal, CCT, Castor Creek, and the FMB.
- Collect 15-20 surface water samples (depending on accessibility) from the C-Area Discharge Canal, CCT, Castor Creek, and the FMB.
- Expand network of monitoring stations currently sampled for PFAS to include existing seepline well locations along Castor Creek and additional groundwater monitoring well locations.

Phase 2 will include the following:

- Identify and establish a PFAS sampling station network (based on data collected from existing stations) to be used for annual PFAS sampling and monitoring in the CAGW OU.
- Identify and install one (1) to five (5) new monitoring stations, as needed, based on soil, surface water, and groundwater data collected in Phase 1 where potential gaps exist in the current monitoring network.

4.2 TCE and Tritium Plumes

Since groundwater sampling was initiated in 1998 the comingled TCE and tritium plumes have been well characterized in terms of concentration and trend data for the UTRA. In 4Q25, for the first time, TCE and tritium concentrations were detected above the MDL at station CRW 10A

(Table 1). A monitoring network of 86 stations (62 monitoring wells, eight [8] seepline stations, and 16 surface water stations) (Figure 2) will continue to be sampled annually to achieve the DQOs established for TCE and tritium characterization. Pertinent groundwater and surface water data collected in the CBRP OU are included alongside with the CAGW OU groundwater data for an overall understanding of groundwater conditions. Similarly, selected F- and H-Area surface water data are evaluated with the CAGW OU surface water data to provide comprehensive understanding of surface water conditions in the FMB. The F/H-Area and Mixed Waste Management Facility groundwater plumes contribute the majority of tritium to FMB. Annual sampling of the monitoring network along with evaluation of F/H-Area and the Mixed Waste Management Facility surface water contributions to the FMB, will continue to improve overall understanding of groundwater and surface water conditions of the CAGW OU.

In addition, continued sampling of CRW022D for semivolatile compounds (SVOCs) and total petroleum hydrocarbons, diesel range organics (TPH-DRO) will be included with the CAGW OU annual sampling event to monitor for any potential impacts to the groundwater by TPH related contaminants from subunit 108-3C.

5.0 ANALYTICAL PLAN

This section describes the data quality levels and the field quality control/quality assurance (QA/QC) for each type of data being collected. Table 7 presents the data quality levels and their corresponding field QA/QC requirements. Tables 8 and 9 list the laboratory analytical specifications for each analyte. Preservation, holding time, and container requirements are provided in Table 10. All data collected under this SAP will follow the *Area Completion Projects Quality Assurance Project Plan for Environmental Data Collection* and *Management* (QAPP) (SRNS 2012). The required data quality level is determined by the intended use of the data.

5.1 Data Quality Levels

The data quality level for samples collected at the permanent well, seepline, and surface water stations will be Verified and Validated (V&V) data level (SRNS 2012a and SRNS 2012b), except for the TPH aliphatic compounds, which will be Unverified and Unvalidated (U&U) data quality level. The data quality level for the investigative samples collected at proposed soil boring

locations (i.e., discrete water and discrete soil) and collocated sediment/surface water samples (i.e., Castor Creek, FMB, CCT, and C-Area Discharge Canal) will be Verified and Unvalidated (V&U) data level. The 0-1 ft bgs soil composite grab samples will be USEPA definitive level quality data. Water samples may be analyzed using USEPA-approved methods for constituent analysis or screening methods to determine field results (i.e., dissolved oxygen, pH, turbidity, etc.).

Data will be qualified by the SRNS auto-validation software module for the following aspects of USEPA Functional Guideline Criteria to achieve the V&V quality level: quantitation limits, surrogate or tracer recoveries, blanks (method/lab/prep, trip, field, rinsate), lab control sample recoveries, matrix spike recoveries/duplicates, lab replicates, field duplicates, cooler temperatures, chemical preservation, holding times.

The laboratory will provide electronic data deliverable and case narrative and will respond to inquiries about the analytical data package to enable SRNS to run the auto-validation software. All fatal errors, data errors, and warnings will be fixed during the verification process, and the data set will be reviewed for completeness.

The auto-validation routines will be conducted and the data qualified accordingly. Data usability will be assessed using the following parameters:

Precision is the mutual agreement between individual measurements of the same property under similar conditions. It is determined from the field and laboratory duplicate analyses and indicates the consistency of field and laboratory techniques.

Accuracy is determined from laboratory control samples; matrix spikes; serial dilutions; surrogates/tracers; internal standards/carriers; and the results of the method, field, trip, and equipment rinsate blanks. Accuracy reflects the ability of the field and laboratory processes to generate correct results. Blank results specifically monitor for contamination introduced during the sample processing.

Representativeness expresses the degree to which sample data accurately and precisely reflects the characteristics of a population, variations in a parameter at a sampling point, or the environmental condition that they are intended to represent. For this project, representative data will be obtained through careful selection of sampling locations and analytical parameters,

Representative data will also be achieved through proper sample collection and handling to avoid interference and minimize contamination. Representativeness will further be ensured through consistent application of established field and laboratory procedures. Laboratory, field, and trip blanks will be evaluated for contaminants to support this assessment. Data determined to be nonrepresentative, based on comparison with existing data, will be used only when accompanied by appropriate qualifiers and limits of uncertainty.

Completeness is a measure of the percentage of project-specific data that is valid. Valid data are obtained when samples are collected and analyzed in accordance with the sampling matrix table and Quality Control (QC) procedures outlined in this SAP and related documents, and when no QC criteria affecting data usability are exceeded. After data validation is completed, percent completeness will be calculated by dividing the number of usable sample results by the total number of sample results planned for this investigation.

Comparability expresses the confidence with which one data set can be compared to another. Comparability will be achieved through consistent use of standard field and laboratory procedures and standard measurement units in reporting analytical results. Field operations will adhere to SOPs to ensure comparability. The comparability of laboratory data will be maintained through the use of established and approved analytical methods, certified laboratories, consistent bases of analysis (e.g., wet weight, volume), and consistent reporting units (e.g., ppm, pCi/mL). Comparability will be evaluated using split and duplicate sample comparisons or comparisons between screening-level and definitive-level data. Comparability serves as an indicator of both precision and accuracy.

5.2 Field Analytical Sampling Quality Assurance/Quality Control

Field QA/QC will be maintained through the use of QA/QC samples and methods as described below:

1. Field Duplicate (co-located) Samples: Two (2) or more independent samples collected from side-by-side locations at the same point in time and space so as to be considered identical. These separate samples are intended to represent the same population and are carried through all steps of the sampling and analytical procedures in an identical manner. These samples are

used to assess precision of the total method, including sampling, analysis, and site heterogeneity. Field duplicate samples are planned at a combined minimum rate of 5% according to ER-SOP-043 (SRNS 2022), typically one (1) per 20 samples and analyzed for the same parameters as the associated samples.

2. Equipment Blank: A sample of water free of measurable contaminants poured over or through decontaminated field sampling equipment that is considered ready to collect or process an additional sample. The purpose of this blank is to assess the adequacy of the decontamination process. Also called rinse blank or rinsate blank. Equipment blanks are typically planned at a rate of one (1) blank per 40 samples.

3. Field Blank: A blank used to provide information about contaminants that may be introduced during sample collection, storage, and transport; also, a clean sample exposed to sampling conditions, transported to the laboratory, and treated as an environmental sample. Field blanks are optional and may be collected when contamination from external environmental sources is anticipated by the project team. Typically, field blanks, when used, are planned at a rate of one (1) blank per 40 samples.

4. Trip Blank: A clean sample of water free of measurable contaminants that is taken to the sampling site and transported to the laboratory for analysis without having been exposed to sampling procedures. Trip blanks are analyzed to assess whether contamination was introduced during sample shipment (typically analyzed for volatile organic compounds only). A blank consists of distilled-deionized water provided by the laboratory to be placed in every cooler with VOC samples typically at the rate of one (1) trip blank per cooler.

5. Split Samples: Two (2) or more representative portions from a sample in the field, analyzed by at least two different laboratories and/or methods. Prior to splitting, a sample is mixed (except volatiles, oil and grease, or when otherwise determined) to minimize sample heterogeneity. These are quality control samples used to assess precision, variability, and data comparability between laboratories. Split samples are planned at a combined minimum rate of 5% or typically one (1) per 20 samples and analyzed for the same parameters as the associated samples.

5.3 Sample Matrix Table

The Sample Matrix Table 11 includes detailed information for all planned sample collections. The exact number of samples may change based on field conditions, and the proposed coordinates may change as necessary due to field conditions.

5.4 Sample Location Map

Figure 13 illustrates the proposed locations of samples to be collected for groundwater, soil, and surface water (collocated sediment) PFAS analyses.

6.0 FIELD IMPLEMENTATION

6.1 List of Sampling/Collection Equipment

The CAGW OU continuing TCE and tritium monitoring effort and PFAS characterization will include collection of groundwater, surface water and sediment sampling as part of this SAP. The following specific procedures will be followed:

Technical Oversight (TO) Requirements for Groundwater Monitoring Wells and Soil Borings, SRNS Manual 3Q1, Section 9004.

Sampling Groundwater Monitoring Wells, Tanks/Vessels (Sample Ports or Spigots) and Surface Water, SRNS Manual 3Q1, Section 9015.

Liquid Effluent and Surface Water Surveillance Sampling, SRNS Manual 3Q1, Section 3001

These procedures are consistent with the USEPA Region 4 Field Branches Quality System and Technical Procedures sampling procedures. Prior to beginning all field activities, all field crews will be required to read the procedures listed above and the TO will have had experience with those activities.

As described earlier, PFAS sampling is a rigorous routine to avoid cross contamination. The sampling requirements are described in *SRS Sample Collection Guidelines for Per- and Polyfluoroalkyl Substances (PFAS)*, SRNS-TR-2021-00356, Revision 1.

6.2 Investigation Derived Waste

Investigation-Derived Waste (IDW) will be managed according to the site-specific IDW management plan developed for the project. The environmental media (i.e. spoils, drilling fluids, excess sample material, etc.) resulting from the CAGW characterization efforts are expected to be managed as part of the soil remedy and therefore will be placed to ground and kept onsite. Natural grades and/or constructed containment will be utilized to prevent run-on/run-off and potential personnel exposure.

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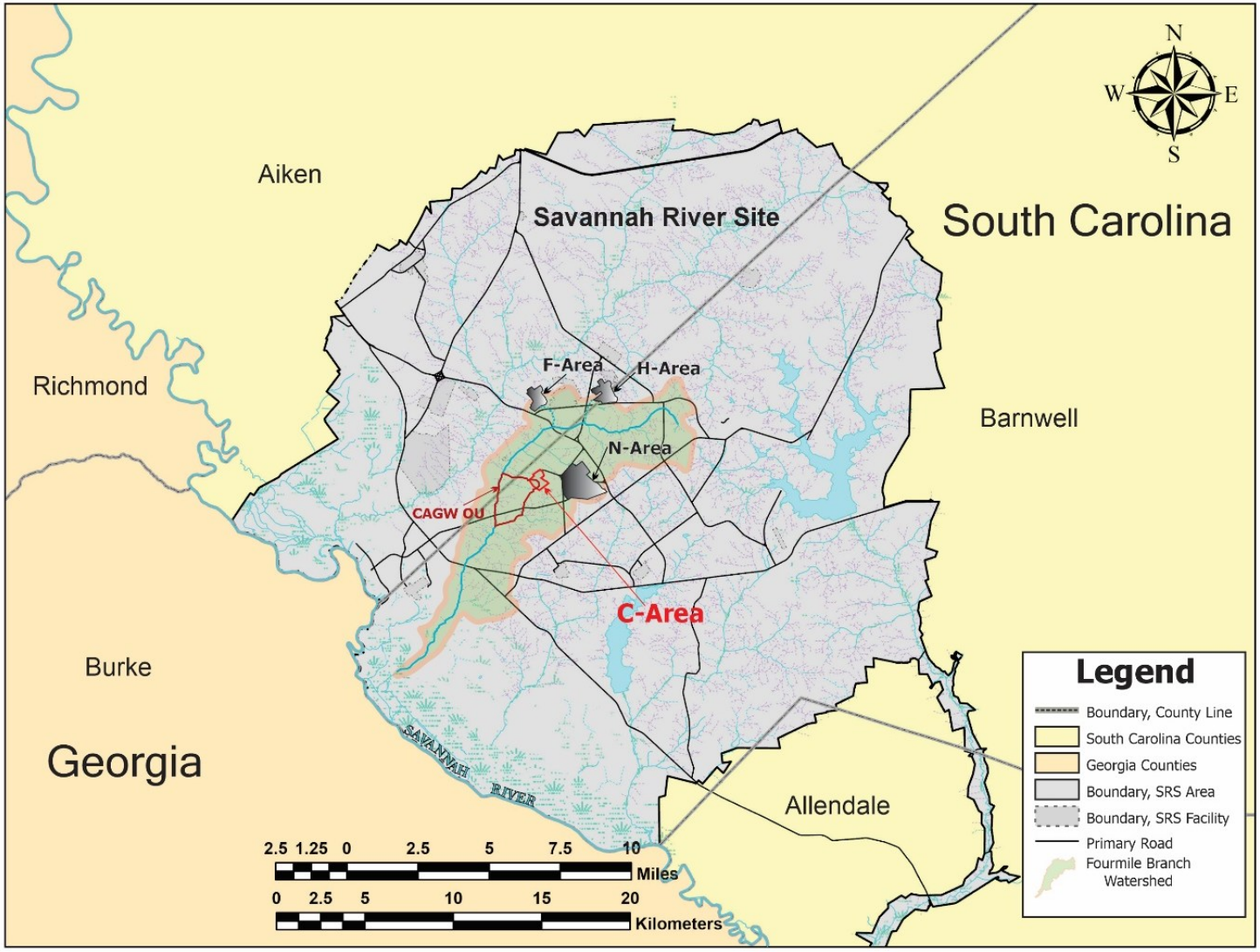


Figure 1. Savannah River Site Location Map

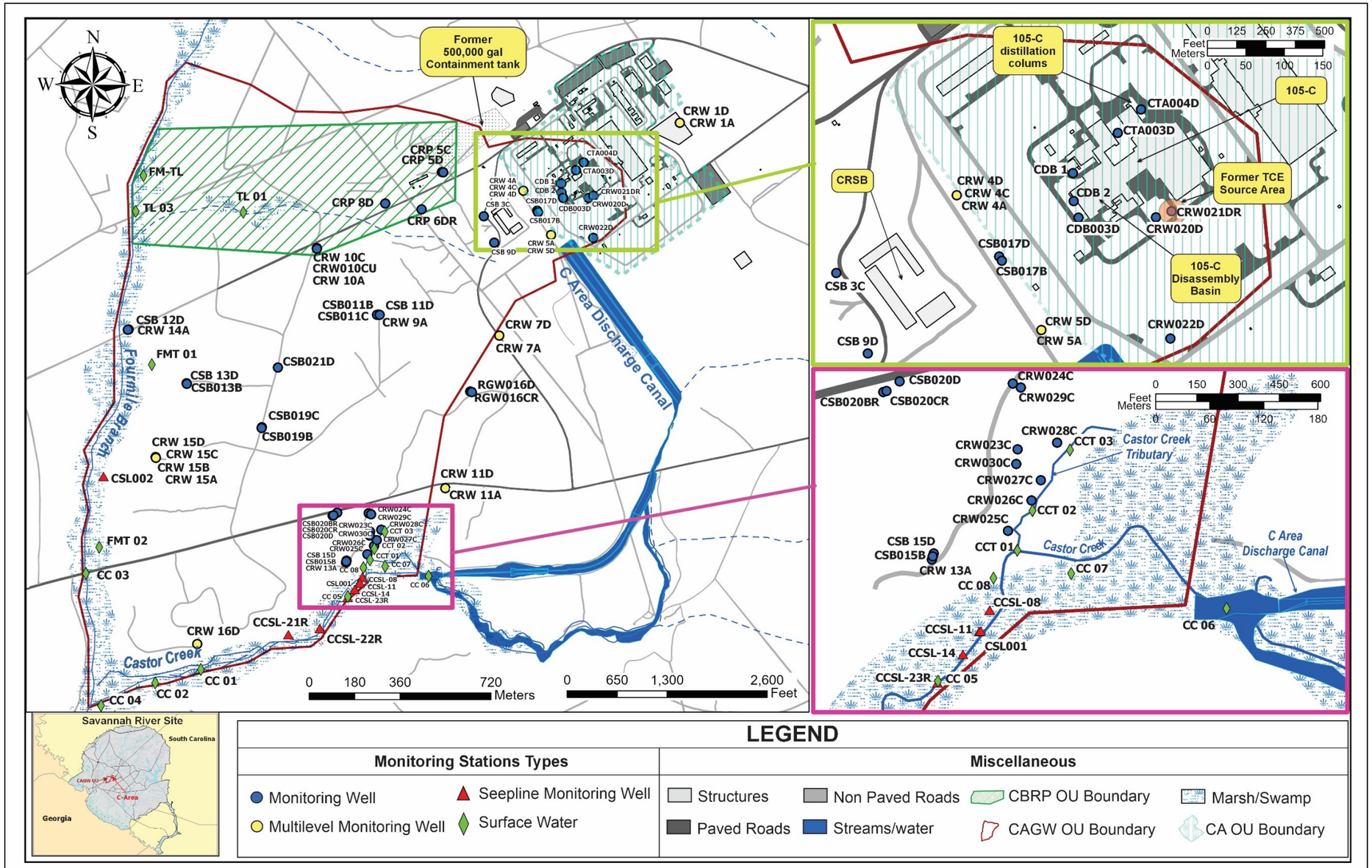
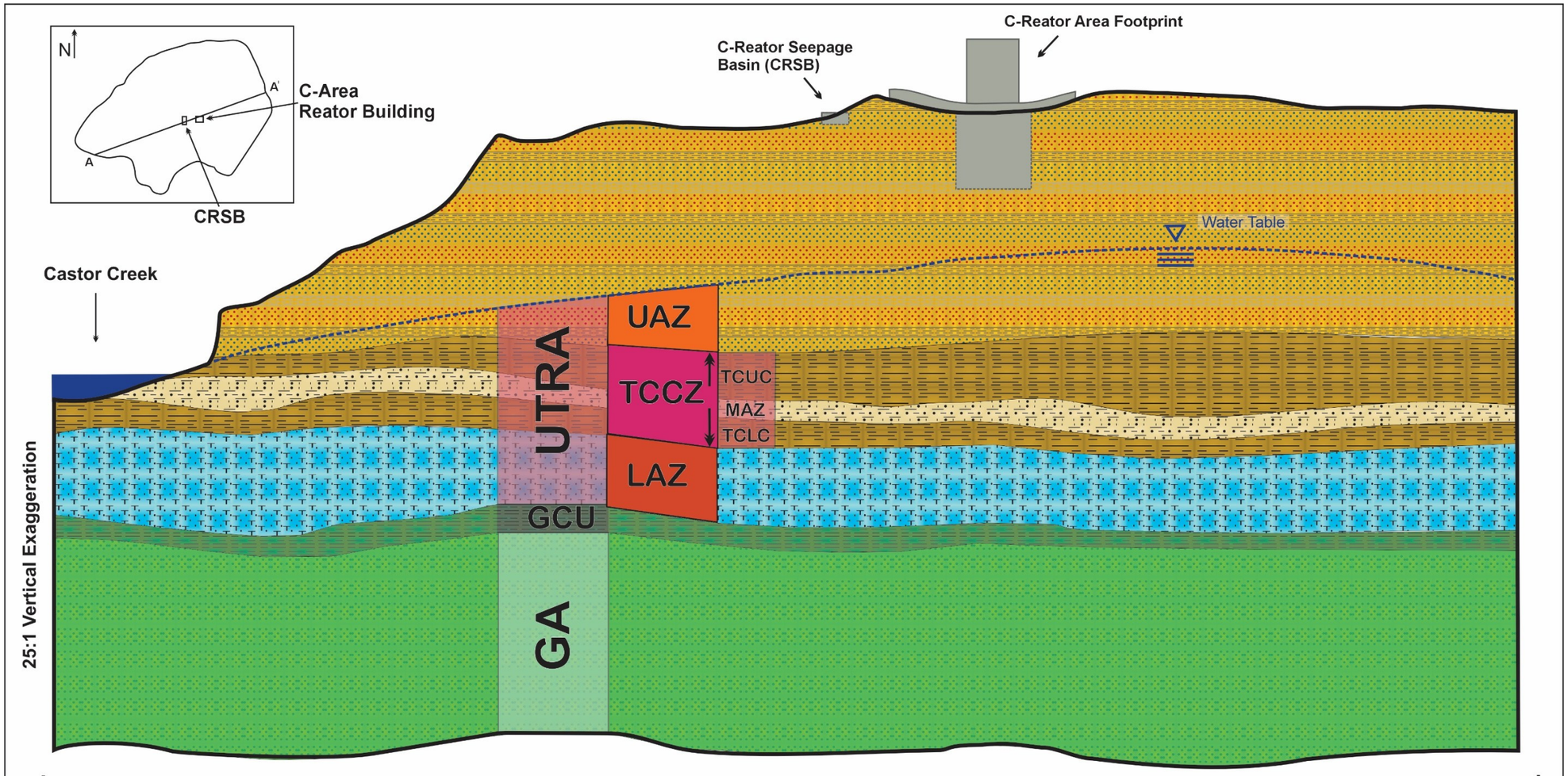


Figure 2. Operable Unit Boundaries and CAGW OU Monitoring Network



Aquifers	Aquifer Zones	Confining Units	
UTRA Upper Three Runs	UAZ Upper Aquifer Zone	GCU Gordon Confining Unit	TCUC Tan Clay Upper Clay
GA Gordon	MAZ Middle Aquifer Zone	TCCZ Tan Clay Confining Zone	TCLC Tan Clay Lower Clay
	LAZ Lower Aquifer Zone		

Figure 3. CAGW OU Hydrostratigraphic Site Model

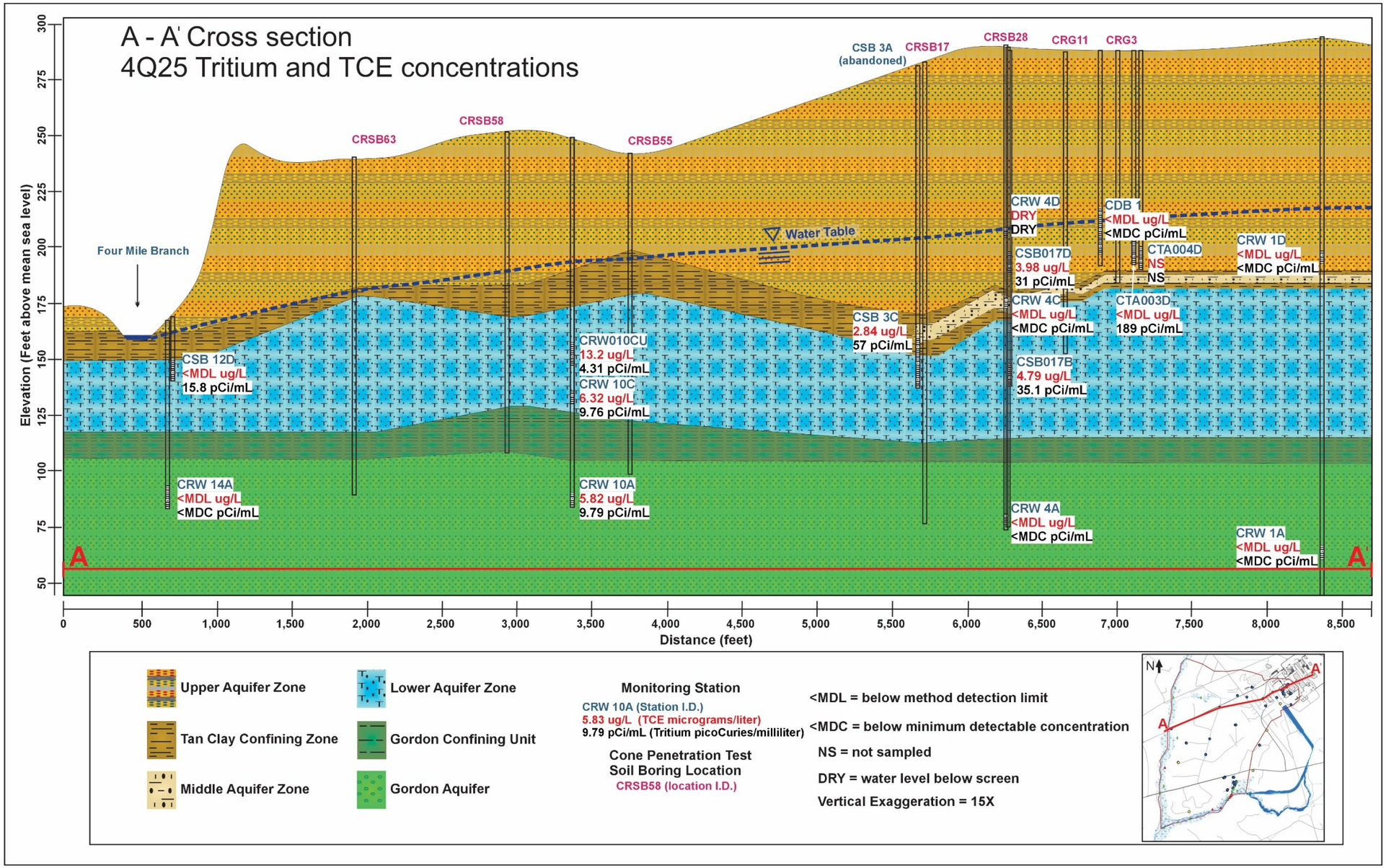


Figure 4. Cross Section A-A' 4Q25 TCE and Tritium Concentrations

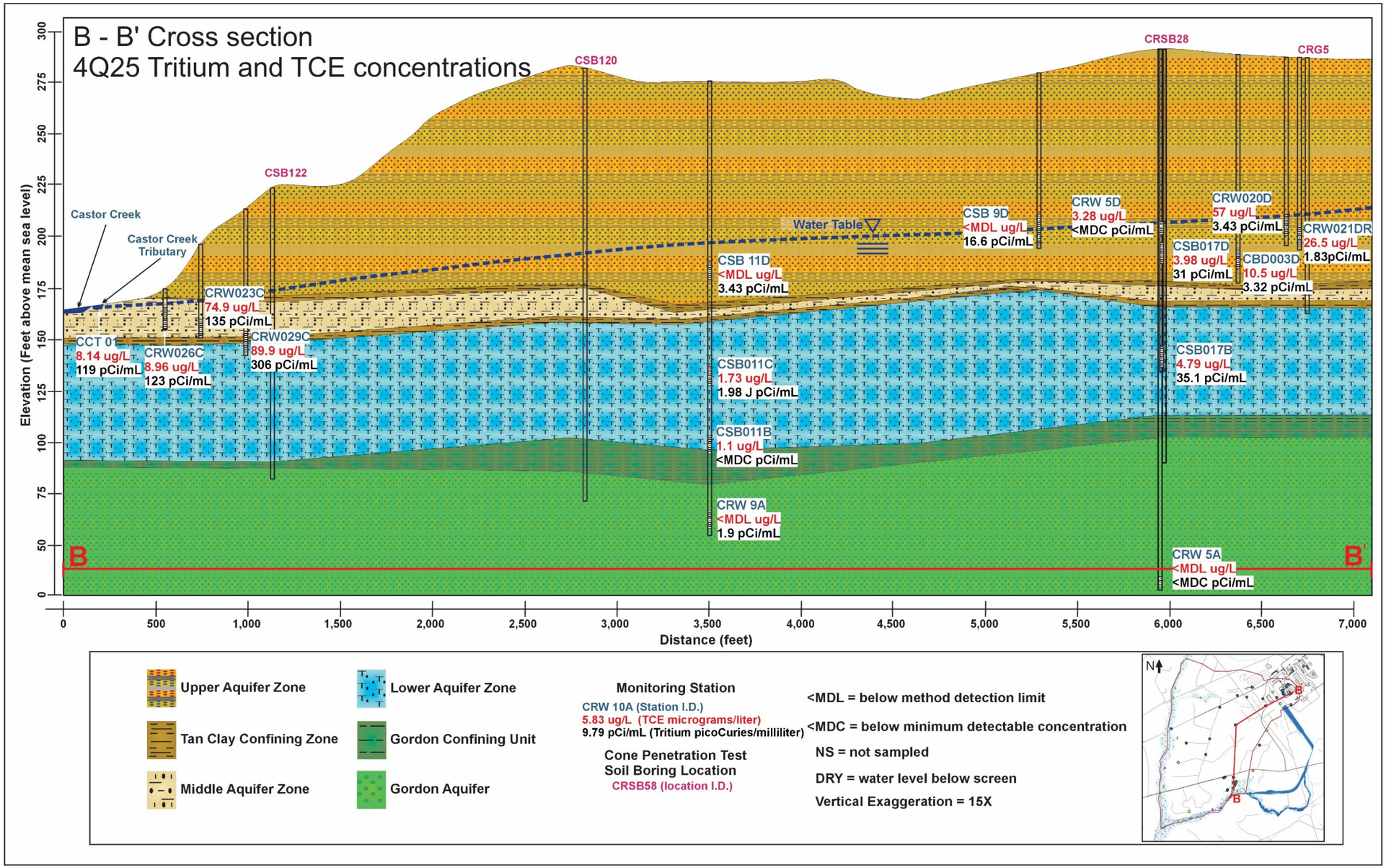


Figure 5. Cross Section B-B´ 4Q25 TCE and Tritium Concentrations

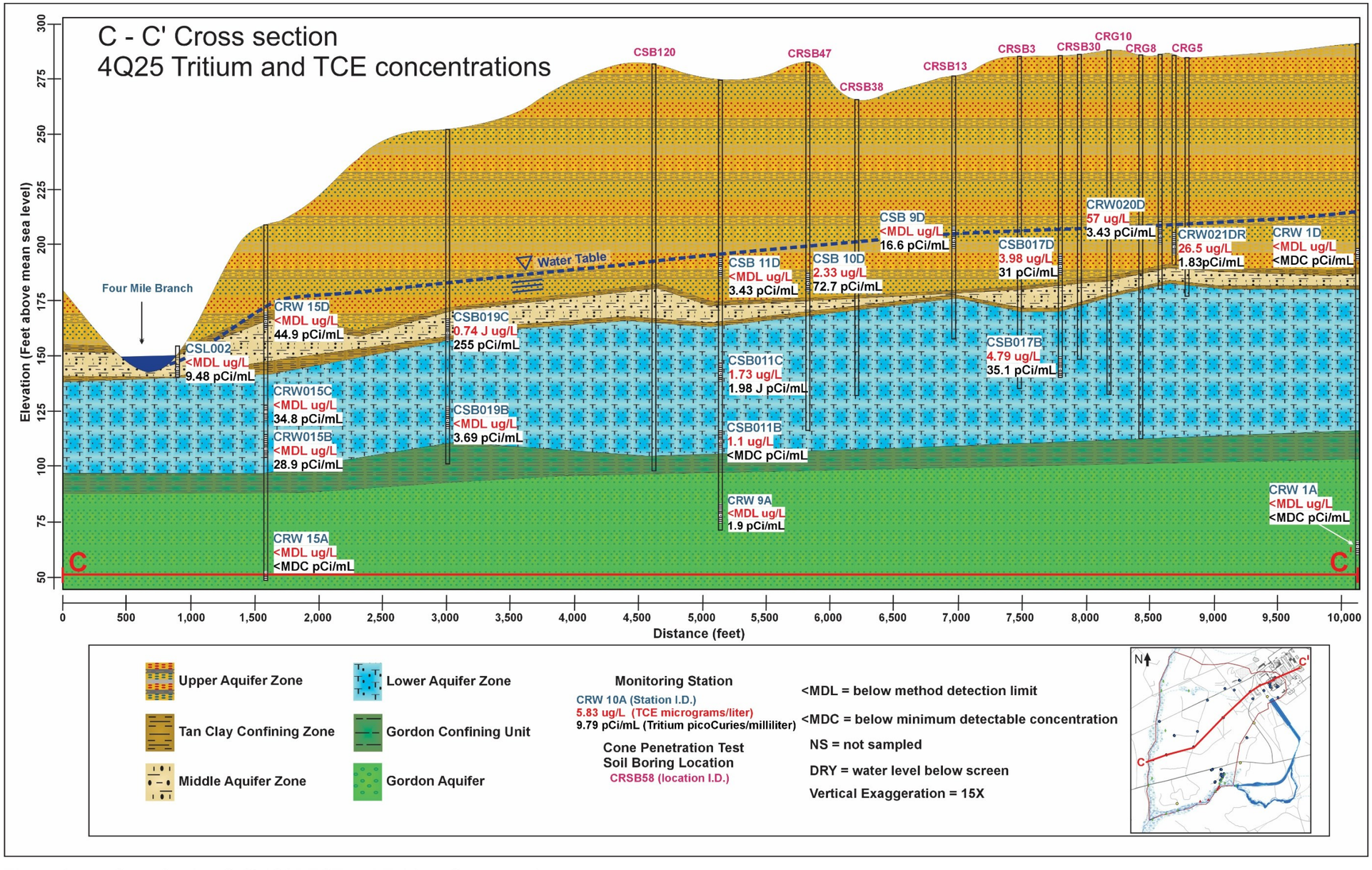


Figure 6. Cross Section C-C' 4Q25 TCE and Tritium Concentrations

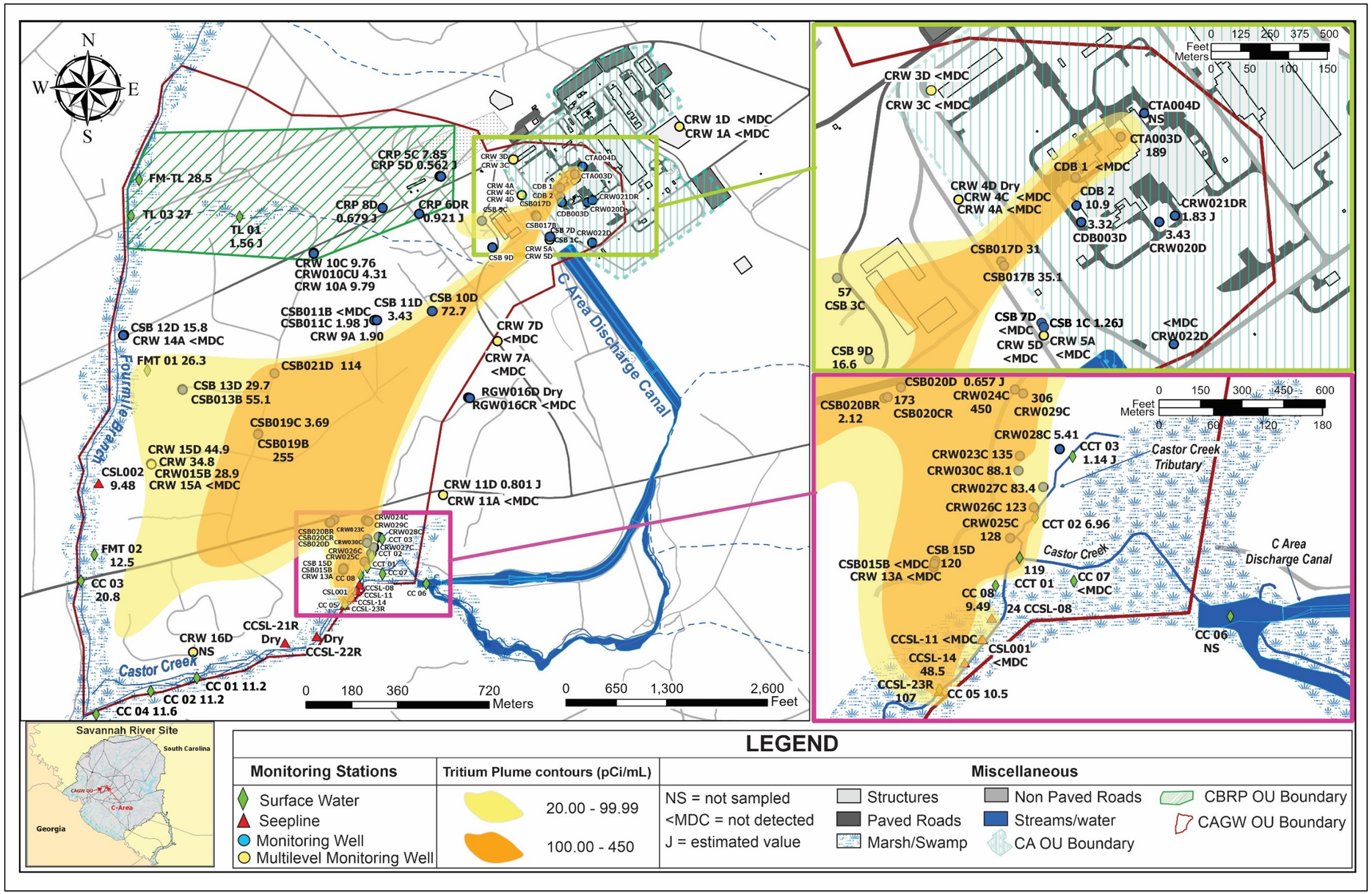


Figure 7. 4Q25 CAGW OU Tritium Plume

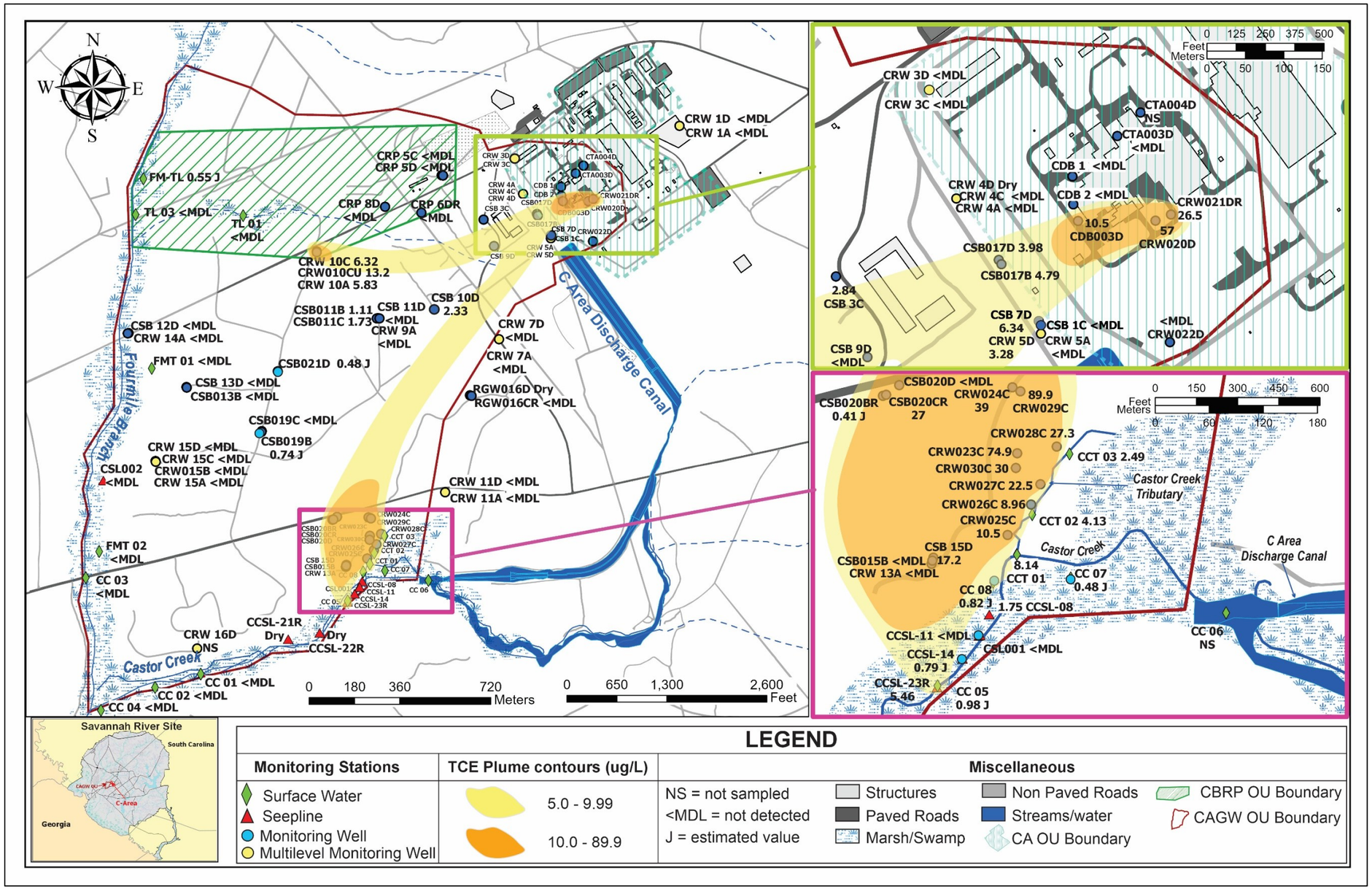


Figure 8. 4Q25 CAGW OU TCE Plume

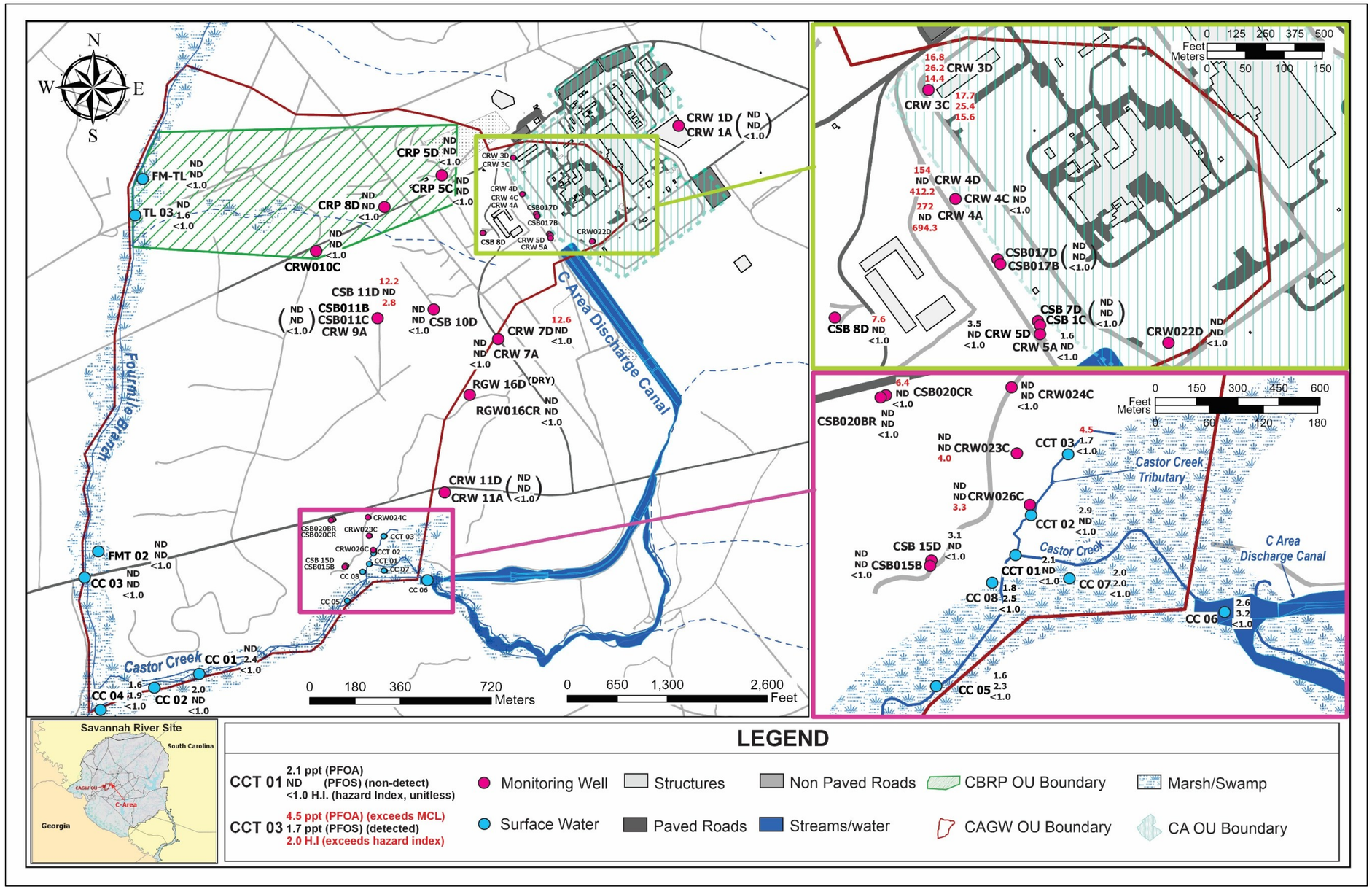
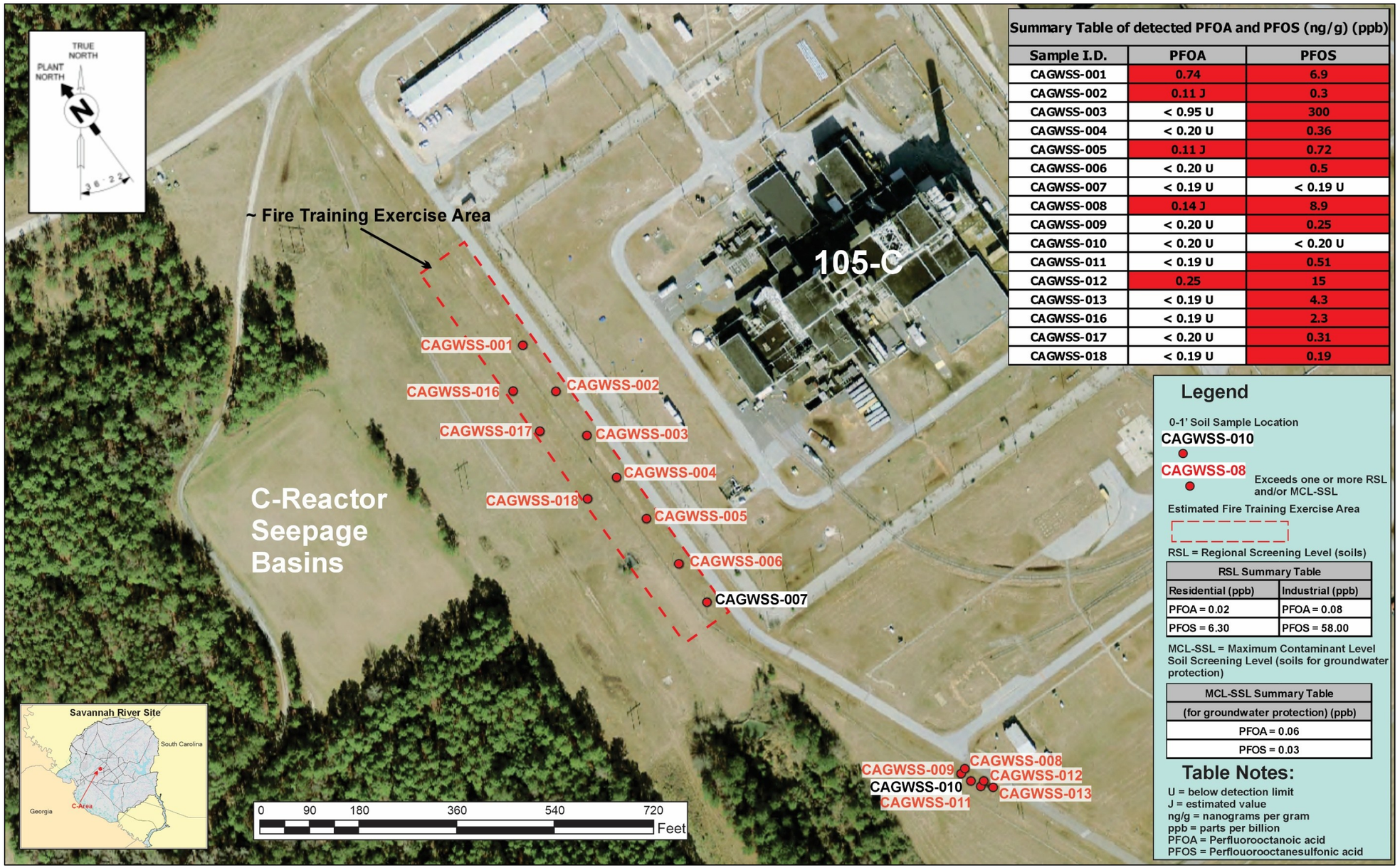


Figure 9. 2Q26 CAGW OU PFAS Concentrations



Summary Table of detected PFOA and PFOS (ng/g) (ppb)

Sample I.D.	PFOA	PFOS
CAGWSS-001	0.74	6.9
CAGWSS-002	0.11 J	0.3
CAGWSS-003	< 0.95 U	300
CAGWSS-004	< 0.20 U	0.36
CAGWSS-005	0.11 J	0.72
CAGWSS-006	< 0.20 U	0.5
CAGWSS-007	< 0.19 U	< 0.19 U
CAGWSS-008	0.14 J	8.9
CAGWSS-009	< 0.20 U	0.25
CAGWSS-010	< 0.20 U	< 0.20 U
CAGWSS-011	< 0.19 U	0.51
CAGWSS-012	0.25	15
CAGWSS-013	< 0.19 U	4.3
CAGWSS-016	< 0.19 U	2.3
CAGWSS-017	< 0.20 U	0.31
CAGWSS-018	< 0.19 U	0.19

Legend

0-1' Soil Sample Location
CAGWSS-010
CAGWSS-08
Exceeds one or more RSL and/or MCL-SSL
Estimated Fire Training Exercise Area

RSL = Regional Screening Level (soils)

RSL Summary Table	
Residential (ppb)	Industrial (ppb)
PFOA = 0.02	PFOA = 0.08
PFOS = 6.30	PFOS = 58.00

MCL-SSL = Maximum Contaminant Level Soil Screening Level (soils for groundwater protection)

MCL-SSL Summary Table
(for groundwater protection) (ppb)
PFOA = 0.06
PFOS = 0.03

Table Notes:

U = below detection limit
J = estimated value
ng/g = nanograms per gram
ppb = parts per billion
PFOA = Perfluorooctanoic acid
PFOS = Perflouorooctanesulfonic acid

Figure 10. 1Q26 Fire Training Exercise Area Soil Sample Locations

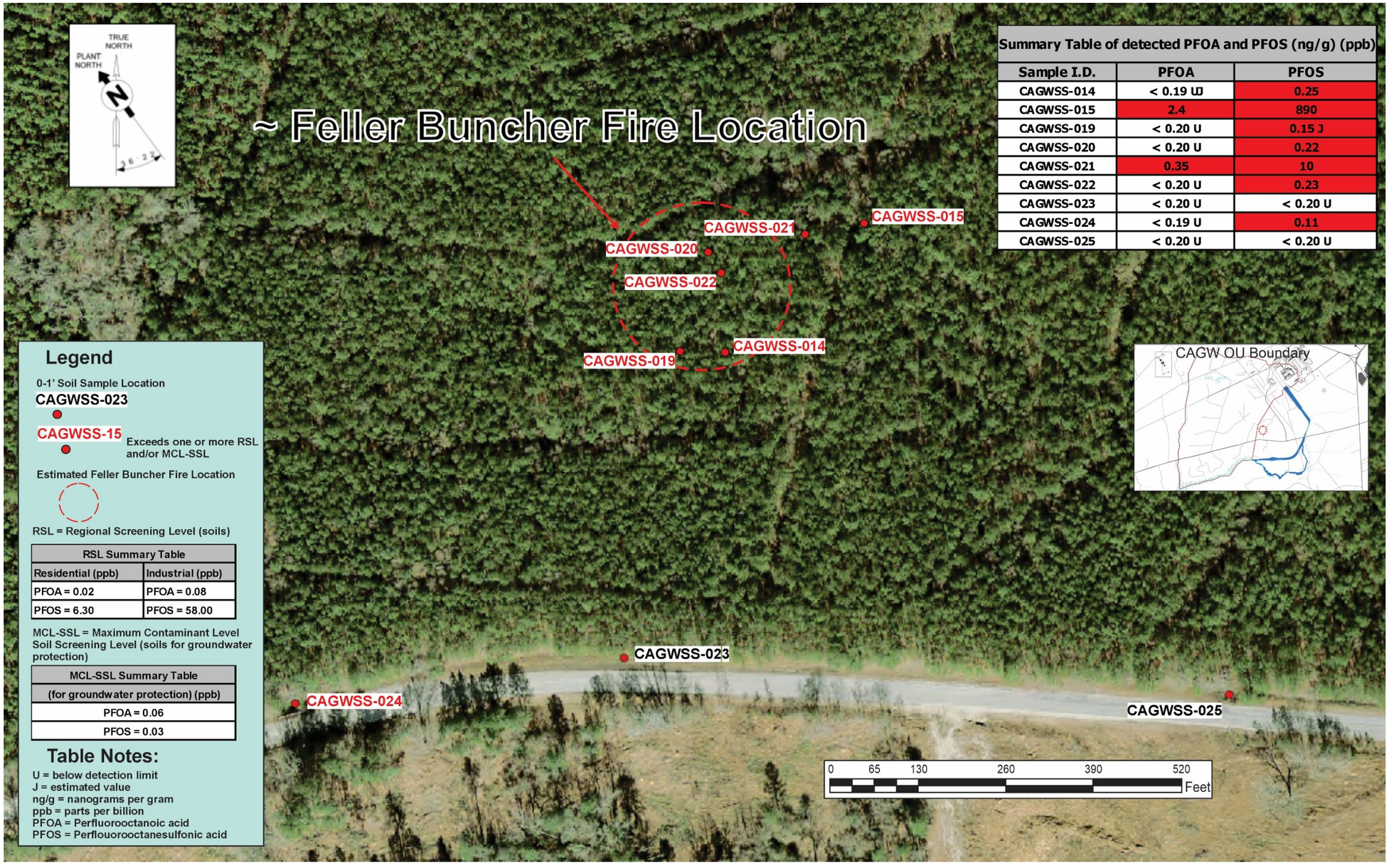
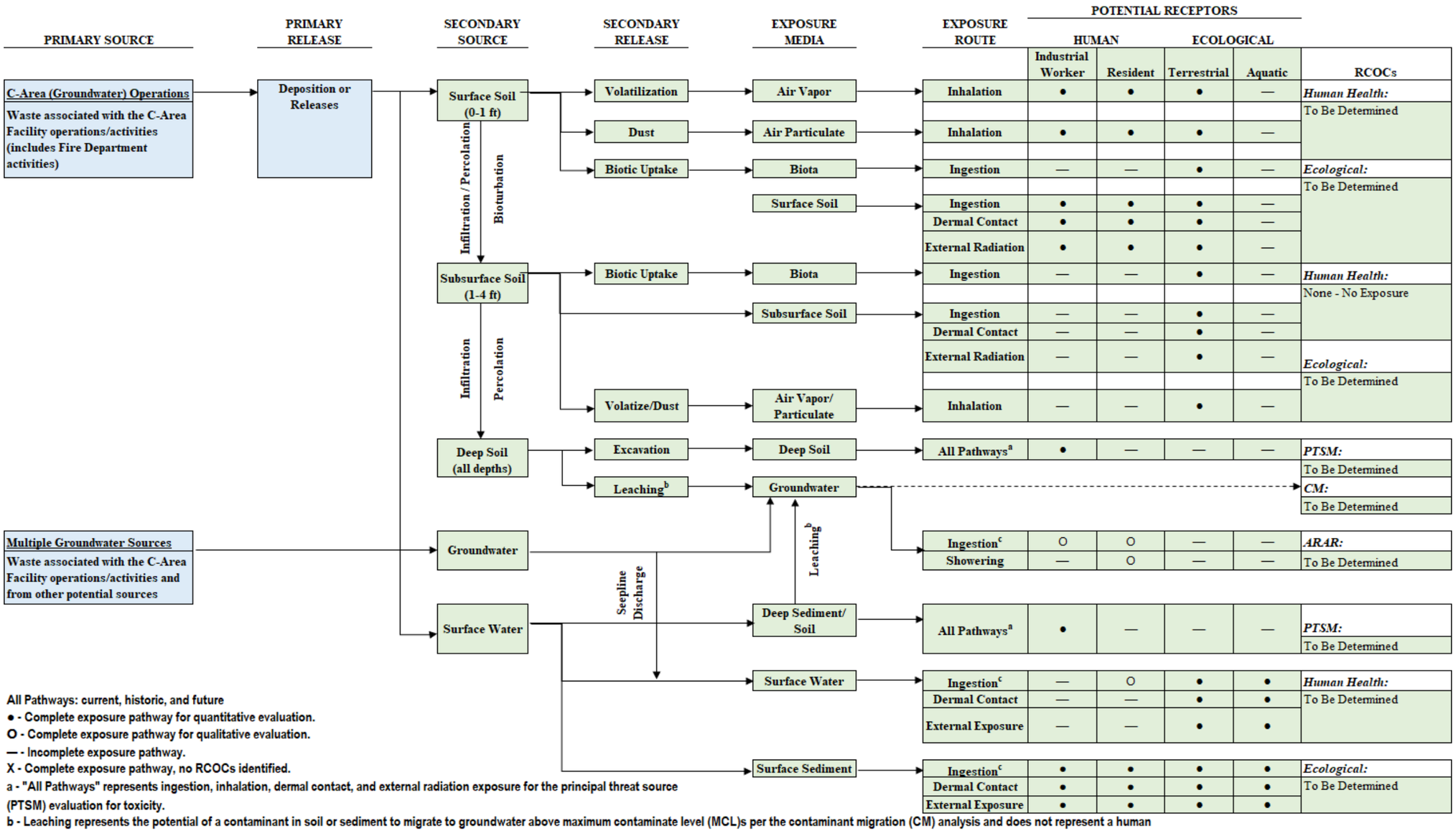


Figure 11. 1Q26 Feller Buncher Fire Sample Locations



All Pathways: current, historic, and future
● - Complete exposure pathway for quantitative evaluation.
O - Complete exposure pathway for qualitative evaluation.
— - Incomplete exposure pathway.
X - Complete exposure pathway, no RCOCs identified.
a - "All Pathways" represents ingestion, inhalation, dermal contact, and external radiation exposure for the principal threat source (PTSM) evaluation for toxicity.
b - Leaching represents the potential of a contaminant in soil or sediment to migrate to groundwater above maximum contaminate level (MCL)s per the contaminant migration (CM) analysis and does not represent a human health or ecological exposure route.
c - Water evaluated by comparison to MCLs.

Figure 12. Conceptual Site Model for Primary Sources and Potential Receptors

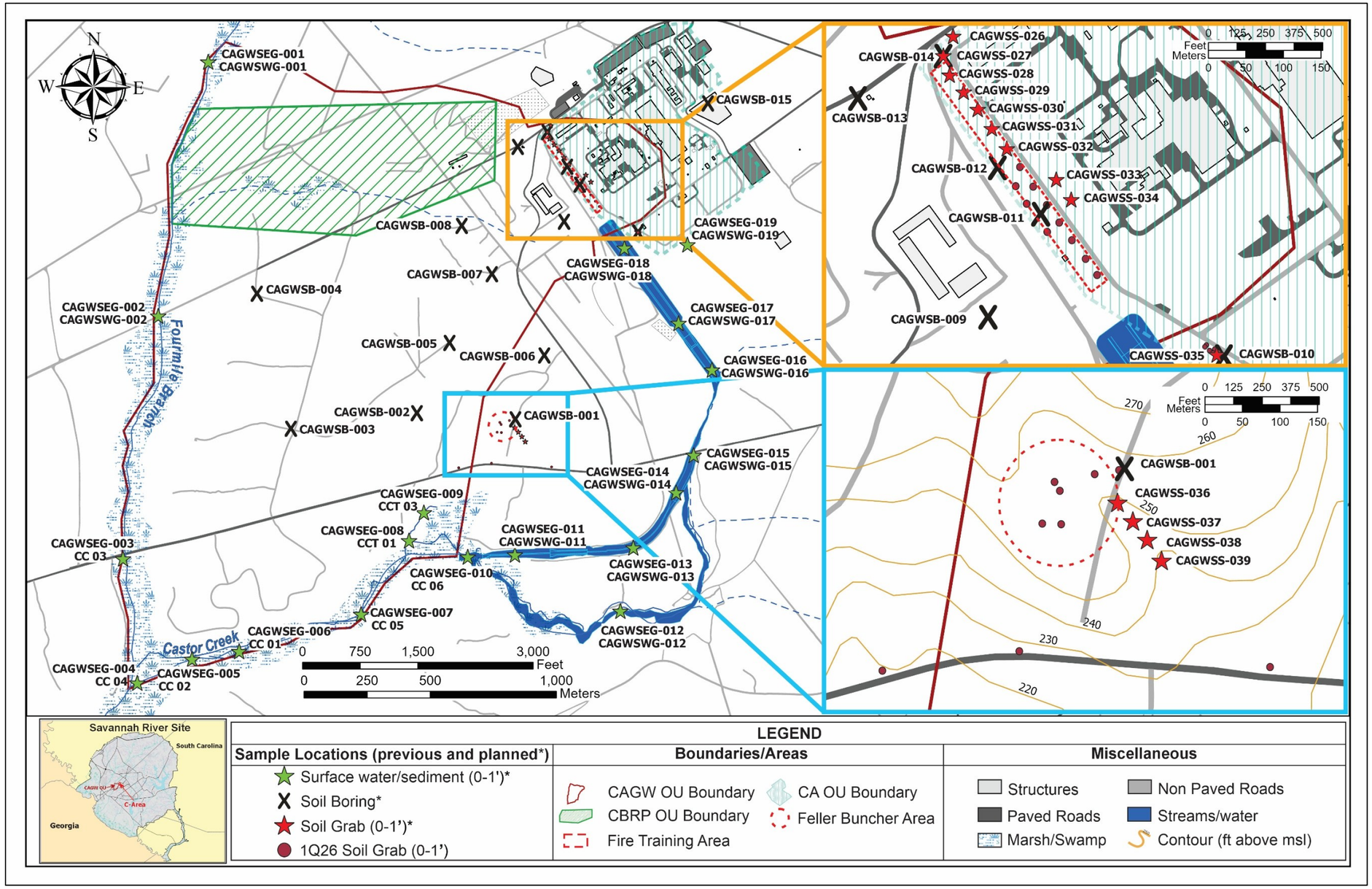


Figure 13. CAGW OU Proposed PFAS Sample Locations

Table 1. 4Q25 TCE and Tritium Analytical Results

Table 1. 4Q25 TCE and Tritium Analytical Results			Field Data											Results						
			Sample Collection Date	Depth to water	Water Elevation	Water Temperature	Dissolved Oxygen (DO)	Oxidation /Reduction Potential (ORP)	$-\log_{10}[H^+]$ (pH)	Specific Conductance	Alkalinity	Turbidity	Sampler Comments	Tritium	1,2-dichloroethlyene (1,2-DCE)	Vinyl Chloride (VC)	CIS 1,2-dichloroethlyene (CIS 1,2 DCE)	Tetrachlorethylene (PCE)	Trans 1,2-dichloroethlyene (Trans, 1,2-DCE)	Trichloroethylene (TCE)
			Units											pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			Date mth/dy/yr	ft	ft amsl	degC°	mg/L	mV	pH	µS/cm	mg/L	NTU		Maximum Contaminant Level (MCL)						
Station I.D.	Aquifer	Type												20	70	2	70	5	100	5
CC 01	—	SW	11/12/2025	—	—	7.1	NS	NS	6.1	110	29	5.6	NC	11.2	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CC 02	—	SW	11/12/2025	—	—	6.8	NS	NS	6.1	90	28	3.2	NC	11.2	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CC 03	—	SW	11/12/2025	—	—	7.3	NS	NS	6.9	119	48	8.7	NC	20.8	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CC 04	—	SW	11/12/2025	—	—	7	NS	NS	6.8	75	28	9.5	NC	11.6	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CC 05	—	SW	11/12/2025	—	—	11.7	NS	NS	6.4	23	20	0.9	NC	10.5	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	0.98
CC 06	—	SW	NS	—	—	NS	NS	NS	NS	NS	NS	NS	IN	NS	NS	NS	NS	NS	NS	NS
CC 07	—	SW	11/13/2025	—	—	12.5	NS	NS	5.8	22	10	2.5	NC	< 0.502	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	0.48
CC 08	—	SW	11/13/2025	—	—	12.1	NS	NS	5	22	0	2.2	NC	9.49	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	0.82
CCT 01	—	SW	11/13/2025	—	—	14.2	NS	NS	5.9	22	11	3.1	NC	119	< 2.00	< 1.00	0.5	< 1.00	< 1.00	8.14
CCT 02	—	SW	11/13/2025	—	—	11.8	NS	NS	4.8	20	0	5.2	NC	6.96	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	4.13
CCT 03	—	SW	11/13/2025	—	—	11.2	NS	NS	3.9	21	0	6.1	NC	1.14	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	2.49
FMT 01	—	SW	11/18/2025	—	—	9.4	NS	NS	5.7	93	26	5.3	NC	26.3	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
FMT 02	—	SW	11/18/2025	—	—	8.8	NS	NS	5.1	17	8	33.2	NC	12.5	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
FM-TL	—	SW	11/18/2025	—	—	9.3	NS	NS	6.8	66	28	13.5	NC	28.5	< 2.00	< 1.00	0.4	< 1.00	< 1.00	0.55
TL 01	—	SW	11/10/2025	—	—	11.1	NS	NS	5.5	66	0	984	NC	1.56	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
TL 01 (FD)	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
TL 03	—	SW	11/10/2025	—	—	12.7	NS	NS	6.5	68	31	9.1	NC	27	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CDB 1	UAZ	MW	11/13/2025	74.47	214.53	17.7	NS	NS	5.2	47	2	0.8	NC	< 0.846	< 2.00	< 1.00	< 1.00	0.73	< 1.00	< 1.00
CDB 2	UAZ	MW	11/13/2025	73.04	215.76	18.1	NS	NS	5.1	29	1	0.9	NC	10.9	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Table 1. 4Q25 TCE and Tritium Analytical Results

Station I.D.	Aquifer	Type	Sample Collection Date	Depth to water	Water Elevation	Water Temperature	Dissolved Oxygen (DO)	Oxidation /Reduction Potential (ORP)	$-\log_{10}[H^+]$ (pH)	Specific Conductance	Alkalinity	Turbidity	Sampler Comments	Tritium	1,2-dichloroethlyene (1,2-DCE)	Vinyl Chloride (VC)	CIS 1,2-dichloroethlyene (CIS 1,2 DCE)	Tetrachlorethylene (PCE)	Trans 1,2-dichloroethlyene (Trans, 1,2-DCE)	Trichloroethylene (TCE)
			Field Data											Results						
			Date mth/dy/yr	Units										Units						
				ft	ft amsl	degC°	mg/L	mV	pH	µS/cm	mg/L	NTU		pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
														Maximum Contaminant Level (MCL)						
														20	70	2	70	5	100	5
Continued from previous page.																				
CDB003D	UAZ	MW	11/13/2025	76.69	212.08	18.9	NS	NS	5	42	1	1.1	NC	3.32	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	10.5
CRP 5D	UAZ	MW	11/10/2025	70	206.9	17	NS	NS	6.5	16.8	12	31.3	T	0.562	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRP 6DR	UAZ	MW	11/10/2025	59.82	204.08	20.2	NS	NS	5.5	26.6	8	1.2	NC	0.921	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRP 8D	UAZ	MW	11/10/2025	46.77	201.93	19.6	NS	NS	4.9	23.9	0	1.4	NC	0.679	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 1A	UAZ	MMW	12/17/2025	124.2	169.68	17.7	NS	NS	6.9	177	3	6.8	NC	< 0.284	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 1D	UAZ	MMW	11/11/2025	75.85	218.04	18.3	NS	NS	5.6	23	3	1.6	NC	< 0.255	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 3D	UAZ	MMW	11/20/2025	84.28	208.6	20.4	NS	NS	4.9	53	0	0.8	NC	< 0.231	—	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 4D	UAZ	MMW	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	D	NS	NS	NS	NS	NS	NS	NS
CRW020D	UAZ	MW	11/13/2025	77.97	211.42	20.1	NS	NS	4.9	53	0	0.8	NC	3.43	< 2.00	< 1.00	0.58	0.55	< 1.00	57
CRW021DR	UAZ	MW	11/13/2025	76.7	211.4	19.2	NS	NS	5.8	70	16	69.1	T	1.83	< 2.00	< 1.00	0.5	< 1.00	< 1.00	26.5
CRW022D	UAZ	MW	11/12/2025	76.4	210.08	21.2	NS	NS	5.4	90	3	1.3	NC	< 0.832	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB 7D	UAZ	MW	11/20/2025	77.98	209.38	19.8	NS	NS	6.5	53.3	8	10.9	T	< 0.130	—	< 1.00	< 1.00	< 1.00	< 1.00	6.34
CSB 9D	UAZ	MW	11/17/2025	71.28	207.9	18.3	NS	NS	5.2	41	2	1.9	NC	16.6	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB 10D	UAZ	MW	12/17/2025	85.5	202.9	20.5	NS	NS	5	36	3	0.8	NC	72.7	—	< 1.00	< 1.00	1.69	< 1.00	2.33
CSB 11D	UAZ	MW	11/20/2025	79.44	197.97	18.6	NS	NS	5.9	37.9	12	1	NC	3.43	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB 12D	UAZ	MW	11/17/2025	11.29	157.31	16.3	NS	NS	6.5	119	42	0.7	NC	15.8	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 5D	UAZ	MMW	11/11/2025	77.7	208.23	19.2	NS	NS	4.8	65	0	0.9	NC	< 0.171	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	3.28
CRW 7D	UAZ	MMW	11/11/2025	72.8	201.18	19.1	NS	NS	5	62	3	1.2	NC	< 0.626	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 11D	UAZ	MMW	12/16/2025	35.54	187.27	18	NS	NS	4.7	22	0	0.5	NC	0.801	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Table 1. 4Q25 TCE and Tritium Analytical Results

Station I.D.	Aquifer	Type	Sample Collection Date	Depth to water	Water Elevation	Water Temperature	Dissolved Oxygen (DO)	Oxidation /Reduction Potential (ORP)	$-\log_{10}[H^+]$ (pH)	Specific Conductance	Alkalinity	Turbidity	Sampler Comments	Tritium	1,2-dichloroethlyene (1,2-DCE)	Vinyl Chloride (VC)	CIS 1,2-dichloroethlyene (CIS 1,2 DCE)	Tetrachlorethylene (PCE)	Trans 1,2-dichloroethlyene (Trans, 1,2-DCE)	Trichloroethylene (TCE)
			Field Data											Results						
			Date mth/dy/yr	Units										Units						
				ft	ft amsl	degC°	mg/L	mV	pH	µS/cm	mg/L	NTU		pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
														Maximum Contaminant Level (MCL)						
														20	70	2	70	5	100	5
Continued from previous page.																				
CSB017D	UAZ	MW	11/20/2025	80.24	208.48	18.9	NS	NS	6	42	8	126	T	31	< 2.00	< 1.00	< 1.00	0.35	< 1.00	3.98
CSB020D	UAZ	MW	11/17/2025	40	179.24	17.4	NS	NS	6.1	18	9	21	T	0.657	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB021D	UAZ	MW	11/17/2025	41	192.78	17	NS	NS	5.8	22	2	12	NC	114	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	0.48
CTA003D	UAZ	MW	11/20/2025	74.6	211.56	19.8	NS	NS	6.4	43	11	14.3	NC	189	< 2.00	< 1.00	< 1.00	0.52	< 1.00	< 1.00
CTA004D	UAZ	MW	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	IN	NS	NS	NS	NS	NS	NS	NS
CCSL-08	MAZ	SPL	11/13/2025	0.2	157.2	15.8	2.99	302	5.5	19.5	12	27.3	T	24	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	1.75
CCSL-11	MAZ	SPL	11/13/2025	0.1	158.5	14.7	2.03	162	6.9	158.6	14	20.5	T	< -0.299	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CCSL-14	MAZ	SPL	11/13/2025	1	156.8	13	2.94	284	6.3	19.4	8	80.7	T	48.5	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	0.79
CCSL-21R	MAZ	SPL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	D	NS	NS	NS	NS	NS	NS	NS
CCSL-22R	MAZ	SPL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	D	NS	NS	NS	NS	NS	NS	NS
CCSL-23R	MAZ	SPL	11/13/2025	3.7	154.61	15.2	1.2	268	5.1	24	0	16	T	107	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	5.46
CRP 5C	MAZ	MW	11/10/2025	80	197.3	15	NS	NS	6.4	68	15	2	NC	7.85	< 2.00	< 1.00	< 1.00	6.47	< 1.00	< 1.00
CRW 3C	MAZ	MMW	11/20/2025	93.84	199.04	21	NS	NS	6.7	71	41	3.8	NC	< -0.0829	—	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 4C	MAZ	MMW	11/11/2025	94.4	199.55	19.2	NS	NS	6.7	130	69	10.6	NC	< -0.261	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 15D	MAZ	MMW	11/11/2025	37.46	176.72	18.2	NS	NS	5.3	62	2	5.7	NC	44.9	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW023C	MAZ	MW	11/12/2025	26	174.36	18	NS	NS	4.7	27	0	1.6	NC	134	1.73	< 1.00	1.73	< 1.00	< 1.00	73.9
CRW023C (FD)	—	—	—	—	—	—	—	—	—	—	—	—	—	135	1.78	< 1.00	1.78	< 1.00	< 1.00	74.9
CRW024C	MAZ	MW	11/12/2025	39.4	178.01	18.6	NS	NS	4.8	29	0	1	NC	450	1.24	< 1.00	1.24	< 1.00	< 1.00	39
CRW025C	MAZ	MW	11/12/2025	12.7	167.74	18.1	NS	NS	5.2	21	0	2.1	NC	128	< 2.00	< 1.00	0.64	< 1.00	< 1.00	10.4

Table 1. 4Q25 TCE and Tritium Analytical Results

Station I.D.	Aquifer	Type	Sample Collection Date	Depth to water	Water Elevation	Water Temperature	Dissolved Oxygen (DO)	Oxidation /Reduction Potential (ORP)	$-\log_{10}[H^+]$ (pH)	Specific Conductance	Alkalinity	Turbidity	Sampler Comments	Tritium	1,2-dichloroethlyene (1,2-DCE)	Vinyl Chloride (VC)	CIS 1,2-dichloroethlyene (CIS 1,2 DCE)	Tetrachlorethylene (PCE)	Trans 1,2-dichloroethlyene (Trans, 1,2-DCE)	Trichloroethylene (TCE)
			Field Data											Results						
			Date mth/dy/yr	Units										Units						
				ft	ft amsl	degC°	mg/L	mV	pH	µS/cm	mg/L	NTU		pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
														Maximum Contaminant Level (MCL)						
														20	70	2	70	5	100	5
Continued from previous page.																				
CRW026C	MAZ	MW	11/12/2025	8.3	168.65	18.1	NS	NS	6.5	111	18	3.7	NC	123	33.9	< 1.00	33.9	< 1.00	< 1.00	8.96
CRW027C	MAZ	MW	11/12/2025	6.1	171.31	18.5	NS	NS	5.6	23	7	2	NC	83.4	< 2.00	< 1.00	0.41	< 1.00	< 1.00	22.5
CRW028C	MAZ	MW	11/12/2025	5.8	174.64	18.2	NS	NS	5	31	0	3	NC	5.41	< 2.00	< 1.00	0.41	< 1.00	< 1.00	27.3
CRW029C	MAZ	MW	11/12/2025	37.95	177.72	18.2	NS	NS	5.3	34	3	1.2	NC	306	1.74	< 1.00	1.74	0.38	< 1.00	89.9
CRW030C	MAZ	MW	11/13/2025	25.7	173.66	18.1	NS	NS	4.6	27	0	1.3	NC	88.1	< 2.00	< 1.00	0.49	< 1.00	< 1.00	30
CSB 1C	MAZ	MW	12/17/2025	86.8	200.37	21.1	NS	NS	4.5	19	0	0.4	NC	1.26	—	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB 3C	MAZ	MW	11/13/2025	80.6	202.98	19.7	NS	NS	5.1	27	3	3.7	NC	56.2	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	2.57
CSB 3C (FD)	—	—	—	—	—	—	—	—	—	—	—	—	—	57	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	2.84
CSB 15D	MAZ	MMW	11/20/2025	28.8	170.93	18.4	NS	NS	5.7	23	0	4	NC	120	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	17.2
CSB019C	MAZ	MW	11/17/2025	69.44	185.5	13.8	NS	NS	5.2	23	1	19.4	T	3.69	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB020CR	MAZ	MW	11/20/2025	37.5	179.82	18.5	NS	NS	6	41	3	8.9	NC	173	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	27
CSL002	MAZ	SPL	11/17/2025	3.2	148.87	17.3	NS	NS	5.4	22	0	10	NC	9.48	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
RGW 16D	MAZ	MW	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	D	NS	NS	NS	NS	NS	NS	NS
CRW 10C	LAZ	MMW	11/10/2025	61.31	187.68	17.4	NS	NS	5.8	22.2	9	2.1	NC	9.76	< 2.00	< 1.00	< 1.00	1.93	< 1.00	6.32
CRW 15C	LAZ	MMW	11/11/2025	51.91	162.27	18.3	NS	NS	6.2	74	14	27.7	T	34.8	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 16D	LAZ	MMW	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	IN	NS	NS	NS	NS	NS	NS	NS
CRW010CU	LAZ	MW	11/10/2025	62.91	185.92	16.5	NS	NS	6	41	10	0.8	NC	4.31	< 2.00	< 1.00	< 1.00	1.34	< 1.00	13.2
CRW015B	LAZ	MMW	11/11/2025	50	164.13	13	NS	NS	8	78	48	16	T	28.9	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB 13D	LAZ	MW	11/12/2025	31.04	169.19	17.7	NS	NS	8	40.3	16	12.9	NC	29.7	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Table 1. 4Q25 TCE and Tritium Analytical Results

Station I.D.	Aquifer	Type	Sample Collection Date	Depth to water	Water Elevation	Water Temperature	Dissolved Oxygen (DO)	Oxidation /Reduction Potential (ORP)	$-\log_{10}[H^+]$ (pH)	Specific Conductance	Alkalinity	Turbidity	Sampler Comments	Tritium	1,2-dichloroethlyene (1,2-DCE)	Vinyl Chloride (VC)	CIS 1,2-dichloroethlyene (CIS 1,2 DCE)	Tetrachlorethylene (PCE)	Trans 1,2-dichloroethlyene (Trans, 1,2-DCE)	Trichloroethylene (TCE)
			Field Data											Results						
			Date mth/dy/yr	Units										Units						
				ft	ft amsl	degC°	mg/L	mV	pH	µS/cm	mg/L	NTU		pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
														Maximum Contaminant Level (MCL)						
														20	70	2	70	5	100	5
Continued from previous page (end).																				
CSB011B	LAZ	MW	11/20/2025	104.1	172.92	19	NS	NS	8	135.1	14	19.6	T	< 0.506	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	1.11
CSB011C	LAZ	MW	11/20/2025	88.96	188.43	18.7	NS	NS	6.7	74	10	52.3	T	1.98	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	1.73
CSB013B	LAZ	MW	11/12/2025	34.76	164.84	14	NS	NS	11	138.3	22	9.9	NC	55.1	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB013B (FD)	—	—	—	—	—	—	—	—	—	—	—	—	—	52.6	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB015B	LAZ	MMW	11/20/2025	29	170.86	17.9	NS	NS	6.5	176	10	10.6	NC	< -0.232	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSB017B	LAZ	MW	12/17/2025	90.89	197.51	17	NS	NS	6.1	53	31	33.7	T	35.1	< 2.00	< 1.00	< 1.00	0.47	< 1.00	4.79
CSB019B	LAZ	MW	11/17/2025	77.92	176.45	13.6	NS	NS	6.1	71	28	30.2	T	255	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	0.74
CSB020BR	LAZ	MW	11/20/2025	42.5	174.27	18.4	NS	NS	8.1	184	77	9.7	NC	< 0.292	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CSL001	LAZ	SPL	11/17/2025	0.1	159.82	16	NS	NS	7.3	156	21	2.1	NC	< -0.0619	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
RGW 16CR	LAZ	MW	11/20/2025	99.8	186.54	18.5	NS	NS	12	667	192	1.2	NC	< 0.0111	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 4A	GA	MMW	11/11/2025	130	163.95	15	NS	NS	8	141	56	2.5	NC	< -0.105	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 5A	GA	MMW	11/11/2025	123.5	162.43	17.9	NS	NS	11	382	75	14	NC	< 0.316	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 7A	GA	MMW	11/11/2025	111.5	162.48	18.7	NS	NS	7.2	138	46	6.2	NC	< -0.127	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 9A	GA	MW	12/16/2025	122.6	155.42	20.5	NS	NS	7.5	147	57	2	NC	1.9	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 10A	GA	MMW	11/10/2025	91.79	157.2	17.1	NS	NS	6.8	29.9	14	3.6	NC	9.79	< 2.00	< 1.00	< 1.00	1.59	< 1.00	5.82
CRW 11A	GA	MMW	12/16/2025	59.33	163.48	19.6	NS	NS	6.7	127	47	1.4	NC	< -0.126	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 13A	GA	MW	11/11/2025	44.93	155.94	19.6	NS	NS	6.7	145	12	1.1	NC	< -0.193	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 14A	GA	MW	11/12/2025	17.99	152.11	19.1	NS	NS	7	119.3	14	1.1	NC	< 0.230	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CRW 15A	GA	MMW	11/11/2025	63	151.18	18.3	NS	NS	7.1	122	18	1	NC	< 0.0884	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Table 1 Notes:													
	Results are below method detection limit (MDL)/ minimum detectable concentration (MDC) and the estimation quantitation (EQL).					Results are above the MDL/MDC but below the EQL (estimated).				Results are above the MCL.			
Monitoring Station Type					Units								
MMW	Multi-level Monitoring Well				ft	Feet		mg/L	Milligrams per liter		NTU	Nephelometric Turbidity Units	
MW	Monitoring Well				ft amsl	Feet above mean sea level		mV	millivolts		µg/L	Micrograms per liter	
SW	Surface Water				deg C°	Degrees Celsius		pCi/mL	Picocuries per milliliter		µS/cm	Microsiemens per centimeter	
Sampler Comments					Aquifer								
D	Dry well		NS	Not Sampled	UAZ	Upper Aquifer Zone (Upper Three Runs Aquifer)				GA	Gordon Aquifer		
IN	Well inaccessible		T	High turbidity	MAZ	Middle Aquifer Zone (Upper Three Runs Aquifer)							
NC	No comment				LAZ	Lower Aquifer Zone (Upper Three Runs Aquifer)							

Table 2. PFAS Groundwater and Surface Water Analytical Results

Table 2. PFAS Groundwater and Surface Water Analytical Results		PFAS Analytes (detected)[1]																					
		perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethylsulfonyl)amine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																					
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)															
Station I.D.	Date mth/dy/yr	NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
CC 01	4/28/2025	1.5	0.74	5	2	2.4		—	0.55	0.5	—	—	—	—	—	—	—	0.41	—	—	—	—	—	—
CC 01	11/12/2025	1.5	0.72	5.4	1.9	2.1	0.6	—	0.63	1.3	—	—	0.96	—	—	—	—	0.45	—	3.5	—	—	—	—
CC 01	4/14/2026	1.4	—	6.6	—	2.4		—	—	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 02	4/28/2025	1.4	—	4.2	1.6	2.4		—	0.5	0.41	—	—	0.65	—	—	—	—	0.49	—	—	—	—	—	—
CC 02	11/12/2025	1.4	0.96	5.9	2.1	2.2	0.6	—	0.58	1.4	—	—	1.1	—	—	—	—	0.73	—	—	—	—	0.86	—
CC 02	11/12/2025	1.3	0.88	5.2	1.9	2.1		—	0.53	1.2	—	—	0.9	—	—	—	—	0.38	—	3.8	0.79	—	0.75	—
CC 02	4/14/2026	1.6	—	8.3	2	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 03	4/28/2025	0.71	—	—	—	3.7		—	1.8	—	—	—	—	—	—	—	—	—	—	15	—	—	—	—
CC 03	11/12/2025	—	—	0.54	—	1.3	0.02	—	1.5	—	—	—	1	—	—	—	—	—	—	5.8	—	—	0.66	—
CC 03	4/14/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 04	4/28/2025	1.3	0.93	5.2	0.95	2.4		—	0.58	1.2	—	—	—	—	—	—	—	—	—	3.1	—	—	—	—
CC 04	11/12/2025	—	—	4.2	—	2.1	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	—
CC 04	4/14/2026	1.5	—	6.6	1.6	1.9		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 05	4/28/2025	2	0.71	6.2	1.8	2		—	0.56	1.3	—	—	—	—	—	—	—	0.44	—	—	—	—	—	—
CC 05	11/12/2025	1.6	—	6	2.7	2.1	0.7	—	0.64	1.2	—	—	1.2	—	—	—	—	0.6	—	—	—	—	—	—
CC 05	11/12/2025	1.5	0.81	5.8	2.3	2.2		—	0.49	1.4	—	—	1	—	—	—	—	0.47	—	3.6	—	—	—	—

Table 2. PFAS Groundwater and Surface Water Analytical Results

		PFAS Analytes (detected)[1]																				
		perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethylsulfonyl)amine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																				
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)														
Station I.D.	Date mth/dy/yr	NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
Continued from previous page.																								
CC 05	4/14/2026	—	—	7.8	1.6	2.3	0.7	—	—	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 06	4/29/2025	1.8	0.77	6.2	1.6	2.1	0.5	—	0.46	1.4	—	—	—	—	—	—	—	0.39	—	—	—	—	—	—
CC 06 (FD)	4/29/2025	1.5	1.3	6.2	1.7	3.8		—	0.64	1.7	—	—	—	—	—	—	—	0.64	—	2.9	—	—	—	—
CC 06	4/14/2026	—	2.1	2.5	2.4	3.2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 06 (FD)	4/14/2026	—	1.7	—	2.6	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 07	4/29/2025	1.7	1	6.5	1.6	2.1	0.8	—	—	1.8	—	—	—	—	—	—	—	0.5	—	2.9	—	—	—	—
CC 07	11/13/2025	1.6	0.9	7.1	2.4	2.9		—	0.5	1.4	—	—	1.1	—	—	—	—	0.69	—	3.4	—	—	0.76	—
CC 07	4/15/2026	1.5	—	8.3	2	2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CC 08	4/29/2025	1.8	0.89	5.8	1.7	2	0.7	—	0.66	1.5	—	—	—	—	—	—	—	0.59	—	9.2	—	—	—	—
CC 08	11/13/2025	1.7	—	6	2.1	1.9		—	0.57	1.5	—	—	1.1	—	—	—	—	0.67	—	—	—	—	—	—
CC 08	4/15/2026	1.7	—	8.6	1.8	2.5		—	—	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CCT 01	4/29/2025	2.8	—	3.8	2.2	0.98	0.4	—	1.2	2.1	—	—	1.7	—	—	—	—	0.45	—	3.7	—	—	—	—
CCT 01	11/13/2025	3	—	4.3	2.7	0.55		—	1.1	2.1	—	—	1.7	—	—	—	0.74	0.54	—	—	—	—	—	—
CCT 01	4/15/2026	2.7	—	5.3	2.1	—		—	—	2.1	—	—	1.6	—	—	—	—	—	—	—	—	—	—	—
CCT 02	11/13/2025	1.4	—	1.8	3.4	1.6	0.3	—	—	0.91	—	—	—	—	—	—	—	0.48	—	—	—	—	0.79	—
CCT 02	4/15/2026	1.5	—	3.4	2.9	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2. PFAS Groundwater and Surface Water Analytical Results

		PFAS Analytes (detected)[1]																					
		perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethyl)sulfonylamine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																					
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)															
Station I.D.	Date mth/dy/yr	NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
Continued from previous page.																								
CCT 03	11/13/2025	1.6	—	2.1	3.1	1.3	0.3	—	—	0.81	—	—	—	—	—	—	—	0.42	—	—	—	—	—	—
CCT 03	11/13/2025	1.5	—	2	3.7	1.4		—	—	1.1	—	—	0.42	—	—	—	—	0.36	—	2.9	0.6	—	—	—
CCT 03	4/15/2026	1.6	—	3.8	4.5	1.7		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRP 5C	4/14/2026	—	—	—	—	—	—	—	—	—	—	—	1.9	—	—	—	—	—	—	—	—	—	—	—
CRP 5D	4/14/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRP 8D	4/14/2026	—	—	—	—	—	—	—	—	—	—	1.7	—	—	—	—	—	—	—	—	—	—	—	—
CRW 1A	4/16/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 1D	4/14/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 3C	11/20/2025	1.6	—	0.64	—	—	5	—	1.4	1.4	—	—	1.1	—	—	—	—	0.4	—	—	—	—	0.71	—
CRW 3C	11/20/2025	1.6	—	0.45	—	—		—	1.1	1.3	—	—	0.98	—	—	—	—	—	—	—	—	—	—	—
CRW 3C	4/14/2026	12.8	34.7	121	17.7	25.4		—	38.8	16.6	66.4	—	34.9	—	—	—	13.5	25.7	3.1	11.4	—	—	—	—
CRW 3D	11/20/2025	12	68	130	27	55	18	—	50	18	96	—	44	—	—	—	18	32	5.2	13	—	—	—	—
CRW 3D	11/20/2025	13	67	140	30	53		—	48	19	83	—	42	—	—	—	17	32	4.5	16	—	—	0.64	—
CRW 3D	4/14/2026	12.9	28.4	116	16.8	26.2		—	37.7	16.1	67.2	—	37.2	—	—	—	13.4	27.6	3.2	11.6	—	—	—	—
CRW 4A	12/16/2025	500	—	7,000	370	0.4	698	—	910	980	69	—	900	—	—	3.3	370	440	—	220	—	—	1.4	1.6
CRW 4A	12/16/2025	510	—	7,000	370	—		—	980	750	69	—	980	—	—	—	390	450	—	230	—	—	—	—

Table 2. PFAS Groundwater and Surface Water Analytical Results

		PFAS Analytes (detected)[1]																					
		perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethyl)sulfonylJamine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																					
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)															
Station I.D.	Date mth/dy/yr	NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
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CRW 4A	4/15/2026	569	—	6,940	272	—	698	—	959	693	73.9	—	973	—	—	—	417	498	—	229	—	—	—	—
CRW 4C	11/11/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	—	—	—	1.3
CRW 4C	4/14/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 4D	4/16/2026	342	—	4,120	154	—	412	—	620	418	36.9	—	634	—	—	—	267	313	—	162	—	—	—	—
CRW 5A	12/16/2025	0.53	—	2.3	4.7	—	0.2	—	0.84	0.46	—	—	0.97	—	—	—	—	0.44	—	—	—	—	—	—
CRW 5A	4/14/2026	—	—	2.3	1.6	—		—	—	—	—	—	1.6	—	—	—	—	—	—	14.7	—	—	—	—
CRW 5D	12/16/2025	0.5	—	2	4.7	—	0.2	—	0.9	0.45	—	—	0.93	—	—	—	—	0.52	—	3.2	—	—	—	—
CRW 5D	4/14/2026	—	—	2.3	3.5	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 7A	4/28/2025	—	—	—	0.72	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	3.9	—	—	—	1.1
CRW 7A	12/16/2025	—	—	—	1.6	1.8		—	1.1	—	—	—	0.54	—	—	—	—	0.42	—	3.3	—	—	—	19
CRW 7A	4/14/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.7
CRW 7D	4/28/2025	0.99	—	2.3	18	1.1	0.3	—	7.8	1	—	—	7.4	—	—	—	2.3	4.7	—	4	—	—	—	—
CRW 7D	12/16/2025	0.72	—	2.4	17	0.64		—	4.8	0.78	—	—	4.5	—	—	—	1.6	3.5	—	3.4	—	—	—	—
CRW 7D	4/14/2026	—	—	3.7	12.6	—		—	4.3	—	—	—	3.8	—	—	—	—	4	—	—	—	—	—	—
CRW 9A	12/16/2025	—	—	—	—	—	—	—	0.53	—	—	—	—	—	—	—	5.5	—	—	3.5	—	—	0.65	—
CRW 9A	4/14/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	6.5	—	—	—	—	—	—	—

Table 2. PFAS Groundwater and Surface Water Analytical Results

		PFAS Analytes (detected)[1]																					
		perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethyl)sulfonyl)amine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																					
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)															
Station I.D.	Date mth/dy/yr	NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
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CRW 10C	4/14/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.5	—	—	—	—
CRW 11A	4/28/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 11A	12/16/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 11A	4/15/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 11D	4/28/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 11D	12/16/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW 11D	4/14/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW022D	11/12/2025	—	—	—	2.1	—	—	—	0.66	—	—	—	0.75	—	—	—	—	0.53	—	3.8	—	—	—	—
CRW022D	4/14/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW023C	11/12/2025	21	—	44	0.79	—	4	—	6.2	18	—	—	9.1	—	—	—	3.7	2	—	5.6	—	—	0.68	—
CRW023C (FD)	11/12/2025	21	—	42	0.99	—		—	6.3	17	—	—	9.7	—	—	—	3.9	2	—	6.1	—	—	—	—
CRW023C	4/15/2026	15.1	—	39.5	—	—		—	4.6	12.3	—	—	7.5	—	—	—	—	1.6	—	—	—	—	—	—
CRW023C (FD)	4/15/2026	13.7	—	39.3	—	—		—	4.1	10.6	—	—	6.9	—	—	—	—	—	—	—	—	—	—	—
CRW024C	11/12/2025	0.6	1.1	0.81	1	—	0.3	—	0.82	—	—	—	0.88	—	—	—	—	0.55	—	2.9	—	—	—	—
CRW024C	4/14/2026	2	—	5	—	—		—	—	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CRW026C	11/12/2025	21	—	33	0.84	—	3	—	6.4	18	—	—	9.4	—	—	—	3.9	2	—	5.2	—	—	—	—

Table 2. PFAS Groundwater and Surface Water Analytical Results

		PFAS Analytes (detected)[1]																					
		perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethyl)sulfonylJamine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																					
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)															
Station I.D.	Date mth/dy/yr	NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
Continued from previous page.																								
CRW026C	4/15/2026	16.2	—	32.9	—	—	3	—	4.7	12.4	—	—	8.1	—	—	—	—	1.7	—	—	—	—	—	—
CSB 1C	12/17/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—
CSB 1C	4/15/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB 7D	12/17/2025	1.2	—	2.8	1.4	0.54	0.1	—	—	0.65	7.2	—	—	—	—	—	—	—	—	5.7	0.34	—	—	—
CSB 7D	4/16/2026	—	—	—	—	—	—	—	—	—	42.6	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB 8D	4/28/2026	12.5	—	3.1	7.6	—	—	—	—	3.2	—	—	1.9	—	—	—	—	1.9	—	—	—	—	—	—
CSB 10D	12/17/2025	2	—	1.9	0.47	—	0.2	—	0.68	2.3	—	—	0.84	—	—	—	1.2	0.39	—	3.5	—	—	—	—
CSB 10D	4/15/2026	1.6	—	1.8	—	—	—	—	—	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB 11D	11/20/2025	24	4	66	10	0.34	5	4.4	51	24	—	—	52	0.48	2.4	—	16	22	—	160	—	—	1.2	—
CSB 11D	4/14/2026	13.4	1.8	26.3	12.2	—		3.5	27.9	13.6	—	—	33.7	—	1.9	—	8.6	12.8	—	153	—	—	—	—
CSB 15D	11/20/2025	1.2	—	2.1	3	—	0.2	—	6.5	1.1	—	—	5.5	—	—	—	1.4	1.3	—	3.3	—	—	0.69	—
CSB 15D	4/15/2026	—	—	2	3.1	—		—	7.2	—	—	—	6.1	—	—	—	—	—	—	—	—	—	—	—
CSB011B	11/20/2025	—	—	—	0.72	—	—	—	1.7	—	—	—	1.3	—	—	—	1.1	0.42	—	5.9	—	—	0.67	—
CSB011B	4/14/2026	—	—	—	—	—		—	—	—	13.8	—	1.8	—	—	—	—	—	—	6.2	—	—	—	—
CSB011C	11/20/2025	—	—	—	—	—	—	—	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	—
CSB011C	4/14/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2. PFAS Groundwater and Surface Water Analytical Results

Station I.D.	Date mth/dy/yr	PFAS Analytes (detected)[1]: perfluorobutanesulfonic acid (PFBS)	perfluorononanoic acid (PFNA)	perfluorohexanesulfonic acid (PFHxS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	Hazard Index (unitless)	perfluoroundecanoic acid (PFUnA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	perfluorodecanoic acid (PFDA)	3-perfluoropropyl propanoic acid (3:3FTCA)	perfluoro-n-butanoic acid (PFBA)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluoropropanoic acid (PFPrA)	perfluoro-1-octanesulfonamide (PFOSA)	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	bis(trifluoromethylsulfonyl)amine TFSI
		National Primary Drinking Water Standards parts per trillion (ppt)																						
		Maximum Contaminant Level (ppt)						Tap Water Regional Screening Level (ppt)																
		NA*	10	10	4	4	>1	NA	NA	NA	NA	NA	9,900	8,000	0.04	NA	18,000	NA	NA	9,800	NA	NA	NA	5,900
Continued from previous page.																								
CSB015B	11/20/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	—
CSB015B	4/15/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB017B	12/17/2025	1	—	4.9	3.8	0.72	0.2	—	1.2	0.76	—	—	1.2	—	—	—	2.2	1	—	7.1	0.9	—	—	—
CSB017B	4/15/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB017D	11/20/2025	1.3	—	6.1	4.3	0.69	0.3	—	0.94	0.86	—	—	1.4	—	—	—	1.7	1.5	—	6.3	—	—	0.71	—
CSB017D	4/15/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB020BR	11/20/2025	—	—	—	—	0.81	—	—	—	—	—	—	—	—	—	—	2.4	—	—	16	—	—	1.4	—
CSB020BR	11/20/2025	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB020BR	4/16/2026	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSB020CR	11/20/2025	1.3	—	2.7	6.8	—	0.3	—	12	1.1	—	—	9.1	—	—	—	2.8	2.8	—	4.6	—	—	0.67	—
CSB020CR	4/16/2026	1.7	—	3.8	6.4	—		—	12.9	1.5	—	—	11.6	—	—	—	—	3.2	—	—	—	—	—	—
FMT 02	4/16/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FM-TL	4/16/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RGW 16CR	11/20/2025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.3	—	—	—	—
RGW 16CR	4/16/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TL 03	4/16/2026	—	—	—	—	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 Notes:					
	Results are above the method detection limit (MDL) and above the estimation quantitation (EQL).		Results are above the MDL but below the EQL (estimated).		Results exceed the MCL or established tap water standard.
Hazard Index = (HFPO-DA ppt/10 ppt) +(PFBS ppt/2,000 ppt) +PFNA ppt/10 ppt) +PFHxS ppt/10 ppt). NA* PFBS has no MCL but Tap Water Reginal Screening Level of 6,000.					
Analytes detected [1] = Each sample analyzed for 42 per- and polyfluoroalkyl substances (PFAS) analytes. Results for analytes listed below are excluded from Table (below the MDL at all stations)					
8:2 FTS	1h, 1h, 2h, 2h-perfluorodecane sulfonic acid	NETFOSAA	n-ethylperfluoro-1-octanesulfonamidoacetic acid	PFDoS	perfluorododecanesulfonic acid
5:3FTCA	2h,2h,3h,3h-perfluorooctanoic acid	NEtFOSE	n-ethyl perfluorooctane sulfonamidoethanol	PFMBA	perfluoro-4-methoxybutanoic acid
7:3FTCA	3-perfluoroheptyl propanoic acid	NFDHA	nonafluoro-3,6-dioxaheptanoic acid	PFMPA	perfluoro-3-methoxypropanoic acid
11CL-PF3OUDS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	NMEFOSAA	n-methylperfluoro-1-octanesulfonamidoacetic acid	PFNS	perfluoro-1-nonanesulfonic acid
ADONA	4,8-dioxa-3h-perfluorononanoic acid	NMeFOSE	n-methyl perfluorooctane sulfonamidoethanol	PFTA	perfluorotetradecanoic acid
HFPO-DA (GENX)	hexafluoropropylene oxide dimer acid	PFEESA	perfluoro(2-ethoxyethane) sulfonic acid	PFTrDA	perfluorotridecanoic acid
MEFOSA	n-methylperfluoro-1-octanesulfonamide	PFDS	perfluoro-1-decanesulfonic acid		

Table 3. PFAS 0-1' Soil Analytical Results

Table 3. PFAS 0-1´ Soil Analytical Results		PFAS Analytes (detected)[1]																		
		1h, 1h, 2h, 2h-perfluorodecane sulfonic acid (8:2 FTS)	perfluoro-n-butanoic acid (PFBA)	perfluorobutanesulfonic acid (PFBS)	perfluorodecanoic acid (PFDA)	perfluorododecanoic acid (PFDoA)	perfluorododecanesulfonic acid (PFDoS)	perfluoro-1-decanesulfonic acid (PFDS)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluorohexanoic acid (PFHxA)	perfluorohexanesulfonic acid (PFHxS)	perfluorononanoic acid (PFNA)	perfluoro-1-nonanesulfonic acid (PFNS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	perfluoro-1-octanesulfonamide (PFOSA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	perfluoroundecanoic acid (PFUnA)
Screening Levels	RES	—	7.8E+04	1.9E+04	1.3E-01	—	—	—	—	—	3.2E+04	1.3E+03	1.9E+02	—	1.9E-02	6.3E+00	—	—	—	—
	IND	—	1.2E+06	2.5E+05	1.6E+00	—	—	—	—	—	4.1E+05	1.6E+04	2.5E+03	—	7.8E-02	5.0E+01	—	—	—	—
Protection of Groundwater SSLs	RB-SSL	—	6.5E+00	3.0E+00	8.1E-05	—	—	—	—	—	2.4E+00	1.7E-01	2.5E-01	—	4.2E-05	1.5E-02	—	—	—	—
	MCL-SSL	—	—	—	—	—	—	—	—	—	—	4.2E-03	4.2E-02	—	6.1E-02	3.0E-02	—	—	—	—
Station I.D.	mth/dy/yr																			
CAGWSS-001	1/27/2026	—	0.91	—	—	—	—	—	0.29	—	1.2	0.4	0.12	—	0.74	6.9	—	0.59	—	—
CAGWSS-002	1/27/2026	—	—	—	—	—	—	—	0.1	—	0.16	0.068	—	—	0.11*	0.3	—	—	—	—
CAGWSS-003	1/27/2026	—	—	—	—	—	—	—	—	—	0.59	1.2	—	—	—	300	—	—	—	—
CAGWSS-004	1/27/2026	—	—	—	—	—	—	—	—	—	0.075	0.17	—	—	—	0.36	—	—	—	—
CAGWSS-005	1/27/2026	—	—	—	—	—	—	—	0.074	—	0.12	0.26	—	—	0.11*	0.72	—	0.19	—	—
CAGWSS-006	1/27/2026	—	—	—	—	—	—	—	0.079	—	0.1	1.1	—	—	—	0.5	—	—	—	—
CAGWSS-007	1/27/2026	—	—	—	—	—	—	—	—	—	0.07	0.26	—	—	—	—	—	—	—	—
CAGWSS-008	1/27/2026	—	0.24	—	0.23	—	—	—	0.19	—	0.14	18	0.54	0.086	0.14*	8.9	—	0.27	—	0.37
CAGWSS-009	1/27/2026	—	—	—	—	—	—	—	0.071	—	—	—	—	—	—	0.25	—	—	—	—
CAGWSS-010	1/27/2026	—	—	—	—	—	—	—	0.088	—	0.13	0.18*	—	—	—	—	—	—	—	—
CAGWSS-011	1/27/2026	—	—	—	—	—	—	—	—	—	—	0.56	—	—	—	0.51	—	—	—	—
CAGWSS-012	1/27/2026	—	—	—	—	0.13	—	0.51	0.12	0.096	0.25	—	—	0.89	0.25	15	0.31	0.15	0.065	1
CAGWSS-013	1/27/2026	—	—	—	—	—	—	0.082	0.068	—	0.14	—	—	0.26	—	4.3	—	—	—	0.61
CAGWSS-014	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	—	—	—	—
CAGWSS-015	1/28/2026	0.31	0.68	1.5	0.61	0.12	0.2	0.87	0.64	3.1	2.2	—	0.5	3.8	2.4	890	1.1	1.1	1.7	0.28

Table 3. PFAS 0-1´ Soil Analytical Results

		PFAS Analytes (detected)[1]																	
		1h, 1h, 2h, 2h-perfluorodecane sulfonic acid (8:2 FTS)	perfluoro-n-butanoic acid (PFBA)	perfluorobutanesulfonic acid (PFBS)	perfluorodecanoic acid (PFDA)	perfluorododecanoic acid (PFDoA)	perfluorododecanesulfonic acid (PFDoS)	perfluoro-1-decanesulfonic acid (PFDS)	perfluoroheptanoic acid (PFHpA)	perfluoro-1-heptanesulfonic acid (PFHPS)	perfluorohexanoic acid (PFHxA)	perfluorohexanesulfonic acid (PFHxS)	perfluorononanoic acid (PFNA)	perfluoro-1-nonanesulfonic acid (PFNS)	perfluorooctanoic acid (PFOA)	perfluorooctanesulfonic acid (PFOS)	perfluoro-1-octanesulfonamide (PFOSA)	perfluoro-n-pentanoic acid (PFPeA)	perfluoro-1-pentanesulfonic acid (PFPES)	perfluoroundecanoic acid (PFUnA)
Screening Levels	RES	—	7.8E+04	1.9E+04	1.3E-01	—	—	—	—	—	3.2E+04	1.3E+03	1.9E+02	—	1.9E-02	6.3E+00	—	—	—	—
	IND	—	1.2E+06	2.5E+05	1.6E+00	—	—	—	—	—	4.1E+05	1.6E+04	2.5E+03	—	7.8E-02	5.0E+01	—	—	—	—
Protection of Groundwater SSLs	RB-SSL	—	6.5E+00	3.0E+00	8.1E-05	—	—	—	—	—	2.4E+00	1.7E-01	2.5E-01	—	4.2E-05	1.5E-02	—	—	—	—
	MCL-SSL	—	—	—	—	—	—	—	—	—	—	4.2E-03	4.2E-02	—	6.1E-02	3.0E-02	—	—	—	—
Station I.D.	mth/dy/yr																			
Continued from previous page (end).																				
CAGWSS-016	1/27/2026	—	0.37	—	—	—	—	—	—	—	0.17	—	—	—	—	2.3	—	—	—	—
CAGWSS-017	1/27/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	—	—	—	—
CAGWSS-018	1/27/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	—	—	—	—
CAGWSS-019	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15*	—	—	—	—
CAGWSS-020	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	—	—	—	—
CAGWSS-021	1/28/2026	—	1.5	0.15	—	—	—	—	0.12	—	0.82	—	0.14	—	0.35	10	—	0.95	0.11	—
CAGWSS-022	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	—	—	—	—
CAGWSS-023	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAGWSS-024	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11*	—	—	—	0.1
CAGWSS-025	1/28/2026	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 3 Notes									
	>Residential Soil		>Industrial Soil		>Risk-Based Soil Screening Level		>Maximum Contaminant Level Soil Screening Level		Estimated
Colored cells indicate soil screening exceedances or estimates. Cells with * indicate exceedances are estimated values. Cells with — indicate value below the minimum detection limit (MDL).									
All analytical result and screening level values reported in parts per billion (ppb) units.									
Analytes detected [1] = Each sample analyzed for 40 per- and polyfluoroalkyl substances (PFAS) analytes. Results for analytes listed below are excluded from Table (below the MDL at all stations)									
11CL-PF3OUDS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid			ADONA	4,8-dioxa-3h-perfluorononanoic acid		NMEFOSAA	n-methylperfluoro-1-octanesulfonamidoacetic acid	
3:3FTCA	3-perfluoropropyl propanoic acid			HFPO-DA (GENX)	hexafluoropropylene oxide dimer acid		NMeFOSE	n-methyl perfluorooctane sulfonamidoethanol	
4:2 FTS	1h,1h,2h,2h-perfluorohexane sulfonic acid			MEFOSA	n-methylperfluoro-1-octanesulfonamide		PFEESA	perfluoro(2-ethoxyethane)sulfonic acid	
5:3FTCA	2h,2h,3h,3h-perfluorooctanoic acid			NEtFOSA	n-ethyl perfluorooctane sulfonamide		PFMBA	perfluoro-4-methoxybutanoic acid	
6:2 FTS	1h, 1h, 2h, 2h-perfluorooctane sulfonic acid			NETFOSAA	n-ethylperfluoro-1-octanesulfonamidoacetic acid		PFMPA	perfluoro-3-methoxypropanoic acid	
7:3FTCA	3-perfluoroheptyl propanoic acid			NEtFOSE	n-ethyl perfluorooctane sulfonamidoethanol		PFTA	perfluorotetradecanoic acid	
9CL-PF3ONS	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid			NFDHA	nonafluoro-3,6-dioxaheptanoic acid		PFTrDA	perfluorotridecanoic acid	

Table 4. Data Quality Objectives Worksheet for Groundwater

Pathway (Media)	Probable Conditions	Exposure Pathway and/or Release Mechanisms	Data Needs and DQOs Including Engineering/Physical Processes	Field Activities Including Removal and Characterization	Parameters	Potential Remedial Action Alternatives
• Groundwater	• Groundwater concentration levels of TCE and tritium in excess of MCLs (5 µg/L and 20 pCi/mL, respectively). • Groundwater concentration levels of PFAS in excess of established MCLs and Tap Water Standards. • TPH (DRO) concentration level exceeds 100 µg/L in groundwater.	• Potential for ingestion, dermal contact, showering, and inhalation of vapor from water.	• Primary sources of the tritium and TCE plumes have been identified and addressed under separate actions. • Provide data on the concentrations of TCE and tritium in groundwater. • Data tracking will document fluctuations in TCE and tritium plume extents and concentrations and will support removal action design for TCE and tritium treatment. • Provide data on the concentrations of PFAS in groundwater. • Data will support identification of PFAS source zones, groundwater discharge zones to surface water, and removal action design for PFAS treatment. • Provide data on concentrations of SVOCs and TPH (DRO) at established monitoring well station CRW022D.	• Collect groundwater and surface water samples from monitoring network (86 established stations). • Complete soil borings and collect discreet soil (below water table) and groundwater samples. • Expand monitoring network from existing well locations to monitor groundwater PFAS. • Install new monitoring wells to address potential data gap issues.	• Target compound list (TCL) VOCs and tritium analyses for groundwater and surface water samples. Data validated to SRS electronic V&V level. • TCL VOCs, tritium, and PFAS analyses for soil boring discreet groundwater samples (only PFAS analyses for soil samples). Data validated to SRS electronic V&U level. • TCL VOCs, tritium, and PFAS analyses for expanded monitoring network location samples. Data validated to SRS electronic V&V level. • TCL SVOCs and TPH (DRO) analyses for CRW022D only. U&U level.	• No Action. • Monitored Natural Attenuation (MNA) with Land Use Controls and groundwater and surface water monitoring. • Anaerobic biodegradation or chemical oxidation at distal end of TCE plume. • Phytoremediation (evapotranspiration) for TCE and tritium in groundwater. • PFAS reduction by carbon treatment; resin capsulation, etc. (or other emerging remediation technologies).

Table 5. Data Quality Objectives Worksheet for Soils

Pathway (Media)	Probable Conditions	Exposure Pathway and/or Release Mechanisms	Data Needs and DQOs Including Engineering/Physical Processes	Field Activities Including Removal and Characterization	Parameters	Potential Remedial Action Alternatives
• Soil (source areas)	• Existing groundwater and soil data (0-1') confirm PFAS concentrations in excess of established MCLs, Industrial and Residential SSLs, and Risk-based and MCL-based protection of groundwater SSLs.	• Exposure pathways within these source areas will be addressed independently. • PFAS has not yet been fully investigated. • PFAS may still pose a CM risk to groundwater.	• Provide data on the concentrations of PFAS in shallow subsurface soils ([0-1'] and subsurface soils to water table). • These data will support delineation of the source area, determination of CM risks to soil and groundwater, and support removal action for PFAS treatment.	• Complete soil borings and collect discreet soil samples above the water table. • Complete 0-1' composite soil grabs.	• PFAS analyses for boring discreet soil samples. Data validated to V&U level. • PFAS analyses for 0-1' soil grab samples. Data validated to USEPA D level.	• No Action. • Excavation of potentially contaminated source area soils and onsite/offsite treatment/disposal

Table 6. Data Quality Objectives Worksheet for Surface Water and Sediment Media

Pathway (Media)	Probable Conditions	Exposure Pathway and/or Release Mechanisms	Data Needs and DQOs Including Engineering/Physical Processes	Field Activities Including Removal and Characterization	Parameters	Potential Remedial Action Alternatives
• Surface water and stream sediments	• Surface water concentration levels of TCE and tritium in excess of MCLs (5 µg/L and 20 pCi/mL, respectively). • Surface water concentration levels of PFAS in excess of established MCLs and Tap Water Standards. Surface water contamination may be from PFAS contamination released from sediments or groundwater discharge. • Sediments may contain PFAS contamination from surface run-off or groundwater discharge.	• Potential for ingestion, dermal contact, showering, and inhalation of vapor from water. • PFAS has not yet been fully investigated.	• Provide data on the PFAS concentrations in sediment soils ([0-1'] and surface water. • These sediment and surface water data will support delineation of the PFAS contamination in stream sediments and surface water, determination of CM risks to sediment and surface water, and support removal action for PFAS treatment.	• Collect 0-1' sediment grab samples and surface water from Fourmile Branch, Castor Creek and Creek tributary, C-Area outfall discharge canal, and C-Area discharge canal.	• TCL VOCs, tritium, and PFAS analyses for surface water samples. Data validated to SRS electronic V&V level. • PFAS analyses for 0-1' sediment grab samples. Data validated to USEPA D level.	• No Action. • Excavation of potentially contaminated stream bed sediments and offsite treatment/disposal

Table 7. Minimum Field Quality Control/Quality Assurance Sampling Requirements

Data Quality Level	Field Quality Control/Quality Assurance Samples	Frequency of Field Quality Control/ Quality Assurance Sample
• UU	• None	•
• VU	• None	•
• VV	• Co-located Field Duplicate	• Minimum 5%[1]
	• Trip Blank	• Minimum 1 per cooler
	• Equipment Blank	• 1 per 40 samples[2]
	• Field Blank	• Optional; 1 per 40 samples[3]
	• Split Sample	• Minimum 5%
• SD	• Co-located Field Duplicate	• Minimum 5%[1]
	• Trip Blank	• Minimum 1 per cooler
	• Equipment Blank	• 1 per 40 samples[2]
	• Field Blank	• Optional; 1 per 40 samples[3]
	• Split Sample	• Minimum 5%
• D	• Co-located Field Duplicate	• Minimum 5%[1]
	• Trip Blank	• Minimum 1 per cooler
	• Equipment Blank	• 1 per 40 samples[2]
	• Field Blank	• Optional; 1 per 40 samples[3]
	• Split Sample	• Minimum 5%

Data Quality Levels

UU Data Unverified and Unvalidated Data (no errors from CEDMs database loading screens)
VU Data Verified and Unvalidated Data (includes missing data checks)
VV Data Verified and Validated Data (validated to automated criteria; equivalent to USEPA Screening Level Data)
SD Data USEPA Screening Level Data with 10% Definitive Confirmation
D Data USEPA Definitive Level Data

Footnotes:

1. Minimum frequency established per ER-SOP-043
2. Typical frequency
3. Recommended based on project needs; typical frequency.

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Table 8. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Groundwater and Surface Water Media Target Analytes

Table 8. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Groundwater and Surface Water Media Target Analytes							
Analyte	**Analyte ID**	**Preparation Method [A]**	**Analytical Method [A]**	**CRDL [B]**	**TW RSL [C]**	**MCL [D]**	**Units**
Per- and polyfluoroalkyl substances (PFAS)							
perfluorooctanoic acid (PFOA)	335-67-1	1633	EPA1633	1.6	0.0027	4	ppt
perfluorooctanesulfonic acid (PFOS)	1763-23-1	1633	EPA1633	1.6	2	4	ppt
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUDS)	763051-92-9	1633	EPA1633	6.4	--	--	ppt
4,8-dioxa-3h-perfluorononanoic acid (ADONA)	919005-14-4	1633	EPA1633	6.4	--	--	ppt
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	756426-58-1	1633	EPA1633	6.4	--	--	ppt
hexafluoropropylene oxide dimer acid (GENX)	13252-13-6	1633	EPA1633	6.4	15	10 (E)	ppt
n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	2991-50-6	1633	EPA1633	1.6	--	--	ppt
n-methylperfluoro-1-octanesulfonamidoacetic acid (NMEFOSAA)	2355-31-9	1633	EPA1633	1.6	--	--	ppt
perfluorobutanesulfonic acid (PFBS)	375-73-5	1633	EPA1633	1.6	6,000	(E)	ppt
perfluorodecanoic acid (PFDA)	335-76-2	1633	EPA1633	1.6	0.04	--	ppt
perfluorododecanoic acid (PFDoA)	307-55-1	1633	EPA1633	1.6	1,000	--	ppt
perfluoroheptanoic acid (PFHpA)	375-85-9	1633	EPA1633	1.6	--	--	ppt
perfluorohexanesulfonic acid (PFHxS)	355-46-4	1633	EPA1633	1.6	390	10 (E)	ppt
perfluorohexanoic acid (PFHxA)	307-24-4	1633	EPA1633	1.6	9,900	--	ppt
perfluorononanoic acid (PFNA)	375-95-1	1633	EPA1633	1.6	59	10 (E)	ppt
perfluorotetradecanoic acid (PFTA)	376-06-7	1633	EPA1633	1.6	20,000	--	ppt
perfluorotridecanoic acid (PFTrDA)	72629-94-8	1633	EPA1633	1.6	--	--	ppt
perfluoroundecanoic acid (PFUnA)	2058-94-8	1633	EPA1633	1.6	6,000	--	ppt
perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	113507-82-7	1633	EPA1633	3.2	--	--	ppt
nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1633	EPA1633	3.2	--	--	ppt
perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	1633	EPA1633	3.2	--	--	ppt
perfluoro-1-pentanesulfonic acid (PFPES)	2706-91-4	1633	EPA1633	1.6	--	--	ppt
1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	1633	EPA1633	6.4	--	--	ppt
perfluoro-n-butanoic acid (PFBA)	375-22-4	1633	EPA1633	6.4	18,000	--	ppt
perfluoro-1-heptanesulfonic acid (PFHPS)	375-92-8	1633	EPA1633	1.6	--	--	ppt
perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	1633	EPA1633	3.2	--	--	ppt
1h, 1h, 2h, 2h-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	1633	EPA1633	6.4	--	--	ppt
1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1633	EPA1633	6.4	--	--	ppt
perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	1633	EPA1633	3.2	--	--	ppt
n-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	1633	EPA1633	16	--	--	ppt
n-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	1633	EPA1633	16	--	--	ppt
n-methylperfluoro-1-octanesulfonamide (MEFOSA)	31506-32-8	1633	EPA1633	1.6	--	--	ppt
perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	1633	EPA1633	1.6	--	--	ppt
3-perfluoropropyl propanoic acid (3:3FTCA)	356-02-5	1633	EPA1633	8	--	--	ppt

Table 8. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Groundwater and Surface Water Media Target Analytes

Analyte	Analyte ID	Preparation Method [A]	Analytical Method [A]	CRDL [B]	TW RSL [C]	MCL [D]	Units
Continued from previous page.							
PFAS (continued, end)							
n-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	1633	EPA1633	1.6	--	--	ppt
perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	1633	EPA1633	1.6	--	--	ppt
perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	1633	EPA1633	1.6	--	--	ppt
perfluorododecanesulfonic acid (PFDoS)	79780-39-5	1633	EPA1633	1.6	--	--	ppt
3-perfluoroheptyl propanoic acid (7:3FTCA)	812-70-4	1633	EPA1633	40	--	--	ppt
2h,2h,3h,3h-perfluorooctanoic acid (5:3FTCA)	914637-49-3	1633	EPA1633	40	--	--	ppt
perfluoropropanoic acid (PFPrA)	422-64-0	1633	EPA1633	40	--	--	ppt
bis(trifluoromethylsulfonyl)amine (TFSI)	82113-65-3	1633	EPA1633	1.6	--	--	ppt
Semi-volatile organic compounds (SVOC)s							
1,1'-biphenyl	92-52-4	EPA3510C	EPA8270E	3	0.83	--	µg/L
1,2,4,5-tetrachlorobenzene	95-94-3	EPA3510C	EPA8270E	3	1.7	--	µg/L
1,2,4-trichlorobenzene	120-82-1	EPA3510C	EPA8270E	3	1.2	70	µg/L
1,2-dichlorobenzene	95-50-1	EPA3510C	EPA8270E	3	300	600	µg/L
1,2-diphenylhydrazine	122-66-7	EPA3510C	EPA8270E	3	0.078	--	µg/L
1,3,5-trinitrobenzene	99-35-4	EPA3510C	EPA8270E	3	590	--	µg/L
1,3-dichlorobenzene	541-73-1	EPA3510C	EPA8270E	3	--	--	µg/L
1,3-dinitrobenzene	99-65-0	EPA3510C	EPA8270E	3	2	--	µg/L
1,4-dichlorobenzene	106-46-7	EPA3510C	EPA8270E	3	0.48	75	µg/L
1,4-dinitrobenzene	100-25-4	EPA3510C	EPA8270E	3	2	--	µg/L
1,4-dioxane	123-91-1	EPA3510C	EPA8270E	3	0.46	--	µg/L
1,4-naphthoquinone	130-15-4	EPA3510C	EPA8270E	0.3	--	--	µg/L
1-naphthylamine	134-32-7	EPA3510C	EPA8270E	3	--	--	µg/L
2,3,4,6-tetrachlorophenol	58-90-2	EPA3510C	EPA8270E	3	240	--	µg/L
2,4,5-trichlorophenol	95-95-4	EPA3510C	EPA8270E	3	1200	--	µg/L
2,4,6-trichlorophenol	88-06-2	EPA3510C	EPA8270E	3	4.1	--	µg/L
2,4-dichlorophenol	120-83-2	EPA3510C	EPA8270E	3	46	--	µg/L
2,4-dimethylphenol	105-67-9	EPA3510C	EPA8270E	3	360	--	µg/L
2,4-dinitrophenol	51-28-5	EPA3510C	EPA8270E	3	39	--	µg/L
2,4-dinitrotoluene	121-14-2	EPA3510C	EPA8270E	3	0.24	--	µg/L
2,6-dichlorophenol	87-65-0	EPA3510C	EPA8270E	5	--	--	µg/L
2,6-dinitrotoluene	606-20-2	EPA3510C	EPA8270E	3	0.049	--	µg/L
2-acetylaminofluorene	53-96-3	EPA3510C	EPA8270E	3	0.016	--	µg/L
2-chloronaphthalene	91-58-7	EPA3510C	EPA8270E	3	750	--	µg/L
2-chlorophenol	95-57-8	EPA3510C	EPA8270E	3	91	--	µg/L

Table 8. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Groundwater and Surface Water Media Target Analytes

Analyte	Analyte ID	Preparation Method [A]	Analytical Method [A]	CRDL [B]	TW RSL [C]	MCL [D]	Units
Continued from previous page							
SVOCs (continued)							
2-methylaniline (o-toluidine)	95-53-4	EPA3510C	EPA8270E	3	4.7	--	µg/L
2-methylnaphthalene	91-57-6	EPA3510C	EPA8270E	0.3	36	--	µg/L
2-naphthylamine	91-59-8	EPA3510C	EPA8270E	3	0.039	--	µg/L
2-nitroaniline	88-74-4	EPA3510C	EPA8270E	3	190	--	µg/L
2-nitrophenol	88-75-5	EPA3510C	EPA8270E	3	--	--	µg/L
2-picoline	109-06-8	EPA3510C	EPA8270E	3	--	--	µg/L
3,3-dichlorobenzidine	91-94-1	EPA3510C	EPA8270E	3	0.13	--	µg/L
3,3'-dimethylbenzidine	119-93-7	EPA3510C	EPA8270E	3.3	0.0065	--	µg/L
3-methylcholanthrene	56-49-5	EPA3510C	EPA8270E	3	0.0011	--	µg/L
4-aminobiphenyl	92-67-1	EPA3510C	EPA8270E	3	0.003	--	µg/L
4-bromophenyl phenyl ether	101-55-3	EPA3510C	EPA8270E	3	--	--	µg/L
4-chloroaniline	106-47-8	EPA3510C	EPA8270E	3.3	0.37	--	µg/L
4-chlorophenyl phenyl ether	7005-72-3	EPA3510C	EPA8270E	3	--	--	µg/L
4-nitrophenol	100-02-7	EPA3510C	EPA8270E	3	--	--	µg/L
4-nitroquinoline-1-oxide	56-57-5	EPA3510C	EPA8270E	3	--	--	µg/L
5-nitro-o-toluidine	99-55-8	EPA3510C	EPA8270E	3.8	8.2	--	µg/L
7,12-dimethylbenz(a)anthracene	57-97-6	EPA3510C	EPA8270E	3	0.0001	--	µg/L
a, a-dimethyl phenethylamine	122-09-8	EPA3510C	EPA8270E	3	--	--	µg/L
acenaphthene	83-32-9	EPA3510C	EPA8270E	0.3	530	--	µg/L
acenaphthylene	208-96-8	EPA3510C	EPA8270E	0.3	--	--	µg/L
acetophenone	98-86-2	EPA3510C	EPA8270E	3	1900	--	µg/L
aniline	62-53-3	EPA3510C	EPA8270E	4.2	13	--	µg/L
anthracene	120-12-7	EPA3510C	EPA8270E	0.3	1800	--	µg/L
aramite	140-57-8	EPA3510C	EPA8270E	3.7	1.3	--	µg/L
atrazine	1912-24-9	EPA3510C	EPA8270E	3	0.3	3	µg/L
benzaldehyde	100-52-7	EPA3510C	EPA8270E	3	19	--	µg/L
benzidine	92-87-5	EPA3510C	EPA8270E	3.9	0.00011	--	µg/L
benzo (g, h, i) perylene	191-24-2	EPA3510C	EPA8270E	0.3	--	--	µg/L
benzo[a]anthracene	56-55-3	EPA3510C	EPA8270E	0.3	0.012	--	µg/L
benzo[a]pyrene	50-32-8	EPA3510C	EPA8270E	0.3	0.0034	--	µg/L
benzo[b]fluoranthene	205-99-2	EPA3510C	EPA8270E	0.3	0.034	--	µg/L
benzo[k]fluoranthene	207-08-9	EPA3510C	EPA8270E	0.3	0.34	--	µg/L
benzoic acid	65-85-0	EPA3510C	EPA8270E	6	75000	--	µg/L
benzyl alcohol	100-51-6	EPA3510C	EPA8270E	3	2000	--	µg/L

Table 8. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Groundwater and Surface Water Media Target Analytes

Analyte	Analyte ID	Preparation Method [A]	Analytical Method [A]	CRDL [B]	TW RSL [C]	MCL [D]	Units
Continued from previous page.							
SVOCs (continued)							
bis(2-chloro-1-methylethyl) ether	108-60-1	EPA3510C	EPA8270E	3	710	--	µg/L
bis(2-chloroethoxy) methane	111-91-1	EPA3510C	EPA8270E	3	59	--	µg/L
bis(2-chloroethyl) ether	111-44-4	EPA3510C	EPA8270E	3	0.014	--	µg/L
bis(2-ethylhexyl) phthalate (dehp)	117-81-7	EPA3510C	EPA8270E	0.3	5.6	6	µg/L
butyl benzyl phthalate	85-68-7	EPA3510C	EPA8270E	0.3	16	--	µg/L
caprolactam	105-60-2	EPA3510C	EPA8270E	3	9900	--	µg/L
carbazole	86-74-8	EPA3510C	EPA8270E	0.3	--	--	µg/L
chlorobenzilate	510-15-6	EPA3510C	EPA8270E	3	0.31	--	µg/L
chrysene	218-01-9	EPA3510C	EPA8270E	0.3	3.4	--	µg/L
diallate	2303-16-4	EPA3510C	EPA8270E	3	0.54	--	µg/L
dibenzo[ah]anthracene	53-70-3	EPA3510C	EPA8270E	0.3	0.0034	--	µg/L
dibenzo-furan	132-64-9	EPA3510C	EPA8270E	3	7.9	--	µg/L
diethyl phthalate	84-66-2	EPA3510C	EPA8270E	0.3	15000	--	µg/L
dimethoate	60-51-5	EPA3510C	EPA8270E	3	4	--	µg/L
dimethyl phthalate	131-11-3	EPA3510C	EPA8270E	0.3	--	--	µg/L
di-n-butyl phthalate	84-74-2	EPA3510C	EPA8270E	0.3	900	--	µg/L
dinitro-o-cresol	534-52-1	EPA3510C	EPA8270E	3	1.5	--	µg/L
diphenylamine	122-39-4	EPA3510C	EPA8270E	3	310	--	µg/L
disulfoton	298-04-4	EPA3510C	EPA8270E	3	0.5	--	µg/L
ethyl methacrylate	97-63-2	EPA3510C	EPA8270E	3	630	--	µg/L
ethyl methane sulfonate	62-50-0	EPA3510C	EPA8270E	3	--	--	µg/L
famphur	52-85-7	EPA3510C	EPA8270E	5	--	--	µg/L
fluoranthene	206-44-0	EPA3510C	EPA8270E	0.3	800	--	µg/L
fluorene	86-73-7	EPA3510C	EPA8270E	0.3	290	--	µg/L
hexachlorobenzene	118-74-1	EPA3510C	EPA8270E	3	0.0098	1	µg/L
hexachlorobutadiene	87-68-3	EPA3510C	EPA8270E	3	0.14	--	µg/L
hexachlorocyclopentadiene	77-47-4	EPA3510C	EPA8270E	3	0.41	50	µg/L
hexachloroethane	67-72-1	EPA3510C	EPA8270E	3	0.33	--	µg/L
hexachlorophene	70-30-4	EPA3510C	EPA8270E	167	6	--	µg/L
hexachloropropene	1888-71-7	EPA3510C	EPA8270E	3	--	--	µg/L
indeno[1,2,3-cd] pyrene	193-39-5	EPA3510C	EPA8270E	0.3	0.034	--	µg/L
isodrin	465-73-6	EPA3510C	EPA8270E	3	--	--	µg/L
isophorone	78-59-1	EPA3510C	EPA8270E	3.5	78	--	µg/L
isosafrole	120-58-1	EPA3510C	EPA8270E	3	--	--	µg/L

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Analyte	Analyte ID	Preparation Method [A]	Analytical Method [A]	CRDL [B]	TW RSL [C]	MCL [D]	Units
Continued from previous page.							
SVOCs (continued)							
kepone	143-50-0	EPA3510C	EPA8270E	3	0.0035	--	µg/L
m/p-cresol	1319-77-3	EPA3510C	EPA8270E	3.7	1500	--	µg/L
methapyrilene	91-80-5	EPA3510C	EPA8270E	3	--	--	µg/L
methyl methanesulfonate	66-27-3	EPA3510C	EPA8270E	3	0.79	--	µg/L
methyl parathion	298-00-0	EPA3510C	EPA8270E	3	4.5	--	µg/L
m-nitroaniline	99-09-2	EPA3510C	EPA8270E	3	--	--	µg/L
naphthalene	91-20-3	EPA3510C	EPA8270E	0.3	0.17	--	µg/L
n-dioctyl phthalate	117-84-0	EPA3510C	EPA8270E	0.3	200	--	µg/L
nitrobenzene	98-95-3	EPA3510C	EPA8270E	3	0.14	--	µg/L
n-nitrosodiethylamine	55-18-5	EPA3510C	EPA8270E	3	0.00017	--	µg/L
n-nitrosodimethylamine	62-75-9	EPA3510C	EPA8270E	3	0.00011	--	µg/L
n-nitrosodi-n-butylamine	924-16-3	EPA3510C	EPA8270E	3	0.0027	--	µg/L
n-nitrosodiphenylamine	NNDPDP	EPA3510C	EPA8270E	3	--	--	µg/L
diphenylamine	621-64-7	EPA3510C	EPA8270E	3	0.011	--	µg/L
n-nitrosodipropylamine	59-89-2	EPA3510C	EPA8270E	3	0.012	--	µg/L
n-nitrosomorpholine	10595-95-6	EPA3510C	EPA8270E	3	0.00071	--	µg/L
n-nitroso-n-methylethylamine	100-75-4	EPA3510C	EPA8270E	3	0.0082	--	µg/L
n-nitrosopiperidine	930-55-2	EPA3510C	EPA8270E	3	0.037	--	µg/L
n-nitrosopyrrolidine	126-68-1	EPA3510C	EPA8270E	3	--	--	µg/L
o,o,o-triethyl phosphorothioate	95-48-7	EPA3510C	EPA8270E	3	930	--	µg/L
o-cresol (2-methylphenol)	132-64-9	EPA3510C	EPA8270E	3	7.9	--	µg/L
parathion	56-38-2	EPA3510C	EPA8270E	3	86	1	µg/L
p-chloro-m-cresol	59-50-7	EPA3510C	EPA8270E	3	1400	--	µg/L
p-dimethylaminoazobenzene	60-11-7	EPA3510C	EPA8270E	3	0.005	--	µg/L
pentachlorobenzene	608-93-5	EPA3510C	EPA8270E	3	3.2	--	µg/L
pentachloroethane	76-01-7	EPA3510C	EPA8270E	3	0.65	--	µg/L
pentachloronitrobenzene	82-68-8	EPA3510C	EPA8270E	3.4	0.12	--	µg/L
pentachlorophenol	87-86-5	EPA3510C	EPA8270E	3	0.041	--	µg/L
phenacetin	62-44-2	EPA3510C	EPA8270E	3	34	--	µg/L
phenanthrene	85-01-8	EPA3510C	EPA8270E	0.3	--	--	µg/L
phenol	108-95-2	EPA3510C	EPA8270E	3	5800	--	µg/L
phorate	298-02-2	EPA3510C	EPA8270E	3	3	--	µg/L
p-nitroaniline	100-01-6	EPA3510C	EPA8270E	3	3.8	--	µg/L
p-phenylenediamine	106-50-3	EPA3510C	EPA8270E	100	3800	--	µg/L

Table 8. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Groundwater and Surface Water Media Target Analytes

Analyte	Analyte ID	Preparation Method [A]	Analytical Method [A]	CRDL [B]	TW RSL [C]	MCL [D]	Units
Continued from previous page (end).							
SVOCs (continued, end)							
pronamide	23950-58-5	EPA3510C	EPA8270E	3	1200	--	µg/L
pyrene	129-00-0	EPA3510C	EPA8270E	0.3	120	--	µg/L
pyridine	110-86-1	EPA3510C	EPA8270E	3	20	--	µg/L
safrole	94-59-7	EPA3510C	EPA8270E	3	0.096	--	µg/L
sulfotepp	3689-24-5	EPA3510C	EPA8270E	3	7.1	--	µg/L
thionazin	297-97-2	EPA3510C	EPA8270E	3	--	--	µg/L
Total Petroleum Hydrocarbon (TPH) Fraction (C-10 through C-28)							
TPH by GC/FID Diesel Range Organics (DRO)	TPHDRO	EPA3535A	EPA8015D	75	--	--	µg/L
Volatile Organic Compounds (VOC)s							
tetrachloroethylene (PCE)	127-18-4	--	EPA8260D	1	11	5	µg/L
trichloroethylene (TCE)	79-01-6	--	EPA8260D	1	0.49	5	µg/L
1,2-dichloroethylene	540-59-0	--	EPA8260D	1	8.2	70	µg/L
cis-1,2-dichloroethylene	156-59-2	--	EPA8260D	1	25	70	µg/L
trans-1,2-dichloroethylene	156-60-5	--	EPA8260D	1	68	100	µg/L
chloroethene (vinyl chloride)	75-01-4	--	EPA8260D	1	0.019	2	µg/L
Radionuclides							
Tritium	10028-17-8	EPA900.0MOD	RADA-002	--	--	20	pCi/mL

Table 8. Notes

A) Extraction and preparation methods differ depending upon media, concentration, instrument, laboratory, and analytical method. Preparation methods will also influence detection limits.
B) CRDL is the Contract Required Detection Limit and is not always attainable.
C) TW RSL is the USEPA tap water regional screening level.
D) MCL is the USEPA maximum contaminant level.
µg/L = micrograms per liter
pCi/mL = picocuries per milliliter.
ppt = parts per trillion (nanograms per liter)
GC/FID = Gas Chromatography with Flame Ionization Detection

Table 9. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Soil and Sediment Target Analytes

Table 9. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Soil and Sediment Target Analytes						
Analyte	**Analyte ID**	**Preparation Method [A]**	**Analytical Method [A]**	**CRDL [B]**	**MCL Based SSL [C]**	**Units**
Per- and polyfluoroalkyl substances (PFAS)						
perfluorooctanoic acid (PFOA)	335-67-1	1633	EPA1633	0.2	0.0027	ppb
perfluorooctanesulfonic acid (PFOS)	1763-23-1	1633	EPA1633	0.2	2	ppb
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUDS)	763051-92-9	1633	EPA1633	0.8	--	ppb
4,8-dioxa-3h-perfluorononanoic acid (ADONA)	919005-14-4	1633	EPA1633	0.8	--	ppb
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CL-PF3ONS)	756426-58-1	1633	EPA1633	0.8	--	ppb
hexafluoropropylene oxide dimer acid (GENX)	13252-13-6	1633	EPA1633	0.8	15	ppb
n-ethylperfluoro-1-octanesulfonamidoacetic acid (NETFOSAA)	2991-50-6	1633	EPA1633	0.2	--	ppb
n-methylperfluoro-1-octanesulfonamidoacetic acid (NMEFOSAA)	2355-31-9	1633	EPA1633	0.2	--	ppb
perfluorobutanesulfonic acid (PFBS)	375-73-5	1633	EPA1633	0.2	6,000	ppb
perfluorodecanoic acid (PFDA)	335-76-2	1633	EPA1633	0.2	0.04	ppb
perfluorododecanoic acid (PFDoA)	307-55-1	1633	EPA1633	0.2	1,000	ppb
perfluoroheptanoic acid (PFHpA)	375-85-9	1633	EPA1633	0.2	--	ppb
perfluorohexanesulfonic acid (PFHxS)	355-46-4	1633	EPA1633	0.2	390	ppb
perfluorohexanoic acid (PFHxA)	307-24-4	1633	EPA1633	0.2	9,900	ppb
perfluorononanoic acid (PFNA)	375-95-1	1633	EPA1633	0.2	59	ppb
perfluorotetradecanoic acid (PFTA)	376-06-7	1633	EPA1633	0.2	20,000	ppb
perfluorotridecanoic acid (PFTrDA)	72629-94-8	1633	EPA1633	0.2	--	ppb
perfluoroundecanoic acid (PFUnA)	2058-94-8	1633	EPA1633	0.2	6,000	ppb
perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	113507-82-7	1633	EPA1633	0.4	--	ppb
nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1633	EPA1633	0.4	--	ppb
perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	1633	EPA1633	0.4	--	ppb
perfluoro-1-pentanesulfonic acid (PFPES)	2706-91-4	1633	EPA1633	0.2	--	ppb
1h, 1h, 2h, 2h-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	1633	EPA1633	0.8	--	ppb
perfluoro-n-butanoic acid (PFBA)	375-22-4	1633	EPA1633	0.8	18,000	ppb
perfluoro-1-heptanesulfonic acid (PFHPS)	375-92-8	1633	EPA1633	0.2	--	ppb
perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	1633	EPA1633	0.4	--	ppb
1h, 1h, 2h, 2h-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	1633	EPA1633	0.8	--	ppb
1h,1h,2h,2h-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1633	EPA1633	0.8	--	ppb
perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	1633	EPA1633	0.4	--	ppb
n-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	1633	EPA1633	2.0	--	ppb
n-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	1633	EPA1633	2.0	--	ppb
n-methylperfluoro-1-octanesulfonamide (MEFOSA)	31506-32-8	1633	EPA1633	0.2	--	ppb
perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	1633	EPA1633	0.2	--	ppb
3-perfluoropropyl propanoic acid (3:3FTCA)	356-02-5	1633	EPA1633	1.0	--	ppb

Table 9. Laboratory Analytical Specifications and Contaminant Screening Levels Table for Soil and Sediment Target Analytes						
Analyte	**Analyte ID**	**Preparation Method [A]**	**Analytical Method [A]**	**CRDL [B]**	**MCL Based SSL [C]**	**Units**
Continued from previous page (end).						
PFAS (continued, end)						
n-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	1633	EPA1633	0.2	--	ppb
perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	1633	EPA1633	0.2	--	ppb
perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	1633	EPA1633	0.2	--	ppb
perfluorododecanesulfonic acid (PFDoS)	79780-39-5	1633	EPA1633	0.2	--	ppb
3-perfluoroheptyl propanoic acid (7:3FTCA)	812-70-4	1633	EPA1633	5.0	--	ppb
2h,2h,3h,3h-perfluorooctanoic acid (5:3FTCA)	914637-49-3	1633	EPA1633	5.0	--	ppb
Table 9. Notes						
A) Extraction and preparation methods differ depending upon media, concentration, instrument, laboratory, and analytical method. Preparation methods will also influence detection limits. **B) CRDL is the Contract Required Detection Limit and is not always attainable.** **C) MCL based SSL is the maximum contaminant level-based soil screening level.** **ppb = parts per billion (nanograms per gram).**						

Table 10. Preservatives, Holding Times, and Sample Containers

Parameter	Preservatives	Hold Times	Containers
VOCs (Water)	No Residual Chlorine present Adjust pH to <2 with H_2SO_4, HCL, or solid $NaHSO_4$. Cool to 4°C	14 Days	3 x 40 mL vial, zero headspace
SVOCs (Water)	Cool 0-6°C, HCL	Samples extracted within 7 days and extracts analyzed within 40 days following extraction.	3 x 1,000 mL amber glass
PFAS (Water)	Cool 0-6°C OR ≤ -20°C	28 Days	2 x 500 mL , 1 x 125 mL HDPE
PFAS (Soil)	Cool 0-6°C OR ≤ -20°C	90 Days	1 X 125 ml HDPE
TPH by GC/FID DRO (Water)	Cool 0-6°C	Samples extracted within 7 days and extracts analyzed within 40 days following extraction.	4 x 1L amber glass container with PTFE-lined lid
Tritium	NR	180 Days	1 x 250 mL amber glass
Abbreviations:			
• HCL – Hydrochloric acid. • H_2SO_4 – Sulfuric acid. • $NaHSO_4$ – Sodium bisulfate		• HDPE – High-Density Polyethylene Bottle with Teflon-lined Lid. • NR – Not Required. • PTFE – Teflon lined seals.	

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Table 11. Sample Matrix Table

Table 11 Sample Matrix Table									
Station I.D.	**UTM Zone 17 (Easting)**	**UTM Zone 17 (Northing)**	**Sample Media**	**Station Type**	**Sample Intervals**	**Sample Total**	**Monitoring Fiscal Year Quarter**	**Phase**	**Analytes**
CAGWSS-026	436698.5	3679320.0	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	Per- and polyfluoroalkyl substances (PFAS)
CAGWSS-027	436684.3	3679301.9	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-028	436697.7	3679276.9	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-029	436712.0	3679257.4	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-030	436734.8	3679228.9	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-031	436751.7	3679207.4	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-032	436771.0	3679178.9	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-033	436825.6	3679121.6	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-034	436839.7	3679102.4	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-035	437044.1	3678905.1	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-036	436583.5	3678221.1	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-037	436586.0	3678218.2	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-038	436587.3	3678216.7	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSS-039	436588.6	3678214.2	soil	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -001	435327.3	3679538.2	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -002	435165.9	3678566.3	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -003	435007.1	3677633.1	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -004	435067.4	3677107.9	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -005	435281.9	3677198.1	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -006	435463.0	3677251.2	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -007	436045.3	3677541.5	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -008	436133.2	3677687.1	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -009	436191.8	3677798.7	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -010	436365.6	3677622.4	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -011	436542.2	3677638.0	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -012	436970.9	3677455.1	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -013	437031.2	3677664.7	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -014	437178.4	3677862.7	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -015	437253.6	3678043.3	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -016	437363.3	3678316.2	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -017	437232.5	3678503.1	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CAGWSEG -018	436980.7	3678820.0	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSEG -019	437224.3	3678770.7	sediment	composite grab	0-1' (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -001	435327.3	3679538.2	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -002	435165.9	3678566.3	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -011	436542.2	3677638.0	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -012	436970.9	3677455.1	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -013	437031.2	3677664.7	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -014	437178.4	3677862.7	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -015	437253.6	3678043.3	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -016	437363.3	3678316.2	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -017	437232.5	3678503.1	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -018	436980.7	3678820.0	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSWG -019	437224.3	3678770.7	water	grab	surface water (1 interval)	1	4Q26	Phase 1	PFAS
CAGWSB -001	436574.4	3678218.5	soil, water	soil boring	Multiple intervals: soil (2 samples/10ft to water table and 1 sample per confining zone), water (2 samples per aquifer zone)	27	4Q27	Phase 1	Tritium, Volatile Organic Compounds (VOCs), (water only) PFAS (soil and water)
CAGWSB -002	436174.7	3678227.6	soil, water	soil boring	Multiple intervals: soil (2 samples/10ft to water table and 1 sample per confining zone), water (2 samples per aquifer zone)	27	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -003	435665.2	3678127.5	soil, water	soil boring	Multiple intervals: soil (2 samples/10ft to water table and 1 sample per confining zone), water (2 samples per aquifer zone)	27	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -004	435525.4	3678676.1	soil, water	soil boring	Multiple intervals: soil (2 samples/10ft to water table and 1 sample per confining zone), water (2 samples per aquifer zone)	27	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -005	436292.7	3678474.5	soil, water	soil boring	Multiple intervals: soil (2 samples/10ft to water table and 1 sample per confining zone), water (2 samples per aquifer zone)	27	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CAGWSB -006	436676.7	3678420.8	soil, water	soil boring	Multiple intervals: soil (2 samples/10ft to water table and 1 sample per confining zone), water (2 samples per aquifer zone)	27	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -007	436477.0	3678762.3	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -008	436333.2	3678930.4	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -009	436747.3	3678984.6	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -010	437047.5	3678907.5	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -011	436792.8	3679053.7	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -012	436735.3	3679138.7	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -013	436550.1	3679243.3	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -014	436695.4	3679305.1	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CAGWSB -015	437300.8	3679411.6	soil, water	soil boring	Multiple intervals: soil (1 sample per confining zone), water (2 samples per aquifer zone)	11	4Q27	Phase 1	Tritium, VOCs, (water only) PFAS (soil and water)
CC 01	435463.0	3677251.2	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CC 02	435281.9	3677198.1	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CC 03	435007.1	3677633.1	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CC 04	435067.4	3677107.9	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CC 05	436045.3	3677541.5	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CC 06	436365.6	3677622.4	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CC 07	436193.1	3677661.2	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CC 08	436106.9	3677656.2	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CCSL-21R	435809.5	3677391.9	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs, MNA
CCSL-22R	435934.3	3677416.6	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs, MNA
CCSL-23R	436044.7	3677540.2	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, MNA, PFAS
CCSL-08	436102.6	3677621.1	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CCSL-11	436092.7	3677597.9	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs, PFAS
CCSL-14	436073.0	3677571.9	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CCT-01	436133.2	3677687.1	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CCT-02	436150.4	3677731.3	water	Surface Water	surface water (1 interval)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs, PFAS
CCT-03	436191.8	3677798.7	water	Surface Water	surface water (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CDB 1	436891.5	3679183.0	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CDB 2	436892.6	3679146.4	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CDB003D	436898.6	3679125.1	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRP 5C	436423.2	3679226.9	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CRP 5D	436417.6	3679228.0	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRP 6DR	436337.7	3679080.2	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRP 8D	436194.2	3679103.5	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 1A	437361.3	3679424.1	water	ML Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 1D	437361.3	3679424.1	water	ML Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 4A	436740.4	3679154.1	water	Multi-level (ML) Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 4C	436740.4	3679154.1	water	ML Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 4D	436740.4	3679154.1	water	ML Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 5A	436850.6	3678978.6	water	ML Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 5D	436850.6	3678978.6	water	ML Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 7A	436645.5	3678578.2	water	ML Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 7D	436645.5	3678578.2	water	ML Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 9A	436168.4	3678661.0	water	Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 10A	435922.5	3678926.5	water	ML Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 10C	435922.5	3678926.5	water	ML Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW010CU	435923.1	3678923.5	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 11A	436431.3	3677971.9	water	ML Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 11D	436431.3	3677971.9	water	ML Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CRW 13A	436040.8	3677683.5	water	Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 14A	435176.2	3678602.5	water	Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 15A	435285.0	3678092.8	water	ML Monitoring Well	Gordon Aquifer	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW015B	435448.9	3677352.9	water	ML Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 15C	435283.8	3678095.6	water	ML Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 15D	435285.0	3678092.8	water	ML Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW 16D	435285.0	3678092.8	water	ML Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW020D	436999.5	3679125.2	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW021DR	437019.6	3679133.4	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CRW022D	437018.1	3678967.2	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, TPH (DRO), Semi-volatile organic compounds, PFAS
CRW023C	436133.7	3677799.5	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW024C	436128.4	3677872.6	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW025C	436123.0	3677708.9	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs
CRW026C	436149.0	3677742.5	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW027C	436159.5	3677765.0	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs
CRW028C	436177.7	3677806.8	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs
CRW029C	436137.2	3677868.0	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CRW030C	436132.3	3677783.0	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26	Phase 1 Phase 2	Tritium, VOCs
CSB 3C	436584.0	3679052.7	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CSB 9D	436625.0	3678948.0	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 11B	436161.1	3678661.2	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 11C	436171.6	3678661.2	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CSB 11D	436164.9	3678661.3	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 12D	435173.2	3678601.3	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 13B	435407.2	3678386.2	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CSB 13D	435406.2	3678389.3	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CSB015B	436038.6	3677676.7	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 15D	436039.4	3677680.3	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB017B	436799.0	3679068.7	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB017D	436795.6	3679074.2	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB019B	435705.0	3678214.5	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB019C	435703.9	3678210.6	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB020BR	435982.8	3677869.7	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CSB020CR	435986.7	3677870.6	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs PFAS
CSB020D	436002.7	3677874.9	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs

Table 11 Sample Matrix Table

Station I.D.	UTM Zone 17 (Easting)	UTM Zone 17 (Northing)	Sample Media	Station Type	Sample Intervals	Sample Total	Monitoring Fiscal Year Quarter	Phase	Analytes
Continued from previous page.									
CSB021D	435767.9	3678451.6	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CSL001	436090.9	3677597.3	water	Seepline Station	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, MNA
CSL002	435076.8	3678020.6	water	Seepline Station	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, MNA
CTA003D	436949.8	3679235.4	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
CTA004D	436980.0	3679265.9	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
FM-TL	435235.7	3679214.0	water	Surface Water	surface (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
FMT 01	435268.6	3678462.9	water	Surface Water	surface (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
FMT 02	435060.2	3677736.8	water	Surface Water	surface (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
TL 01	435631.0	3679068.1	water	Surface Water	surface (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
TL 03	435204.8	3679072.1	water	Surface Water	surface (1 interval)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
RGW016CR	436530.8	3678356.5	water	Monitoring Well	Upper Three Runs Aquifer (lower aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs
RGW 16D	436536.9	3678354.3	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 3C	436705.3	3679295.6	water	ML Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CRW 3D	436705.3	3679295.6	water	ML Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 1C	436851.0	3678991.1	water	Monitoring Well	Upper Three Runs Aquifer (middle aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 7D	436848.4	3678994.5	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 10D	436389.2	3678696.4	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS
CSB 8D	436583.8	3678999.2	water	Monitoring Well	Upper Three Runs Aquifer (upper aquifer zone)	1	4Q26, 4Q27, 4Q28	Phase 1 Phase 2	Tritium, VOCs, PFAS

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