Savannah River NUCLEAR SOLUTIONS℠

Annual Corrective Action Report for the F-Area Hazardous Waste Management Facility, the H-Area Hazardous Waste Management Facility, and the Mixed Waste Management Facility (U)

SRNS-RP-2026-00880

Volume I

August 2026

SAVANNAH RIVER SITE • AIKEN, SOUTH CAROLINA

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and
Savannah River Nuclear Solutions, LLC
Aiken, South Carolina

CERTIFICATION

Annual Corrective Action Report for the F-Area Hazardous Waste Management Facility, the H-Area Hazardous Waste Management Facility, and the Mixed Waste Management Facility (U)
SRNS-RP-2026-00880, Revision 0, August 2026

[REF: R.61-79.270.11 (d)(1)]

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Environmental Compliance & Area Completion Projects
for Savannah River Nuclear Solutions, LLC
as the Co-Operator with the U.S. Department of Energy
Savannah River Operations Office

8/27/26
Date Signed

EXECUTIVE SUMMARY

This Corrective Action Report (CAR) has been prepared to support the regulatory reporting requirements for 2025 for the F-Area Hazardous Waste Management Facility (HWMF), the H-Area HWMF, and the Mixed Waste Management Facility (MWMF) at the Savannah River Site (SRS). The reporting requirements are defined by the Office of Environmental Quality Control Bureau of Land and Waste Management Hazardous and Mixed Waste Permit (SC1 890 008 989), dated October 27, 2025, modified on June 3, 2026, hereafter referred to as the "Permit" and by Section C of the Underground Injection Control (UIC) Permit Applications, as well as other information by agreement with the South Carolina Department of Environmental Services[1] (SCDES). In accordance with the Permit, an Annual CAR will be submitted on or before August 31 of each year and will document the effectiveness of the Corrective Action Program for the F-Area HWMF, the H-Area HWMF, and the MWMF for the period of January 1 through December 31 for the previous year (First, Second, Third and Fourth Quarters).

F-Area HWMF and H-Area HWMF

The 2013 RCRA Permit Renewal Application (Rev 3) is the current Corrective Action Plan (CAP) for the F- And H-Area HWMFs. The CAPs for the F- and H-Area HWMFs address groundwater remediation as required by the Permit. The well network for the F-Area HWMF and the H-Area HWMF monitors the Upper Aquifer Zone (UAZ) and the Lower Aquifer Zone (LAZ) of the Upper Three Runs Aquifer (UTRA), and the Gordon Aquifer (GA) in the uppermost aquifer system beneath the facility. Groundwater sampling and surface water sampling, analysis, and other monitoring requirements are conducted as required by the Permit.

The scheduled sampling was completed successfully in 2025 for all wells. Overall, there were no observed changes in regional groundwater flow direction or velocity from previous years. Compliance monitoring data revealed that inorganic and radionuclide constituents exceeded the Groundwater Protection Standard (GWPS) but overall continue to show downward trends as compared to previous monitoring data. At F and H Area, surface water in the wetlands (corrective

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

action Phase 2b goal) exceeded the GWPS for cobalt, nitrate-nitrite, gross alpha, iodine-129, nonvolatile beta, radium-226, radium-228, strontium-90, tritium, uranium-233/234, and uranium-238. Surface water in Fourmile Branch (FMB) (corrective action goals Phase 2a and 2b F-Area HWMF; Phase 2a H-Area HWMF) exceeded the GWPS for iodine-129 (two locations at F Area), and tritium (seven locations at F and H Areas). During 2025, no new constituents were added to the GWPS.

The corrective actions for the F-Area HWMF include an engineered groundwater funnel and gate system, a base injection system for treatment of metals and metallic radionuclides within the gates and in the wetlands, and placement of a silver chloride amendment within the central gate for in situ treatment of iodine-129. In 2025, base injection was performed starting in June and continued into September at the central gate. Approximately 19,300,000 L (5.1 M gal) of base solution was injected in 2025 at F-Area HWMF. The latest deployment of silver chloride was completed in May 2019 to augment previous injections along the eastern half of the central gate, where the majority of the iodine-129 flux occurs. Injection of additional silver chloride is not required at this time. SRS will continue to monitor the effectiveness of the silver chloride treatment at the central gate in accordance with the UIC and Resource Conservation and Recovery Act (RCRA) Permit.

The corrective actions for the H-Area HWMF consist of two engineered groundwater barriers (without gates) and a base injection system, which began initial operation in 2010. At H Area, operation of the base injection system was not required during 2025. Adjustment of pH has been achieved locally at H Area and SRS is observing the effects of the base injection prior to potentially injecting additional base.

For the F- and H-Area HWMFs, one of the Phase 2a corrective action goals is to reduce the mass flux of tritium discharging to FMB by 70% compared to baseline fluxes established in 2000. In 2025, SRS continued to meet these goals, in that the flux of tritium from the H-Area HWMF to FMB was reduced by approximately (~) 92%. At the F-Area HWMF, the annual tritium flux to FMB was reduced by ~ 92% in 2025.

MWMF

The well network for the MWMF monitors the UAZ and LAZ of the UTRA and the GA in the uppermost aquifer system beneath the facility. The MWMF is divided into the following four plume areas: Southwest Plume (SWP), Northwest Plume (NWP), Northeast Plume (NEP), and Southeast Plume (SEP). Groundwater and surface water sampling and other monitoring requirements are conducted as required by the Permit.

During 2025, there were no identified changes in groundwater flow direction from previous years, and groundwater velocities remained consistent with previous observations. In 2025, 13 separate constituents exceeded the GWPS within the four plume areas but overall continue to show downward trends as compared to previous monitoring data. These exceedances included 12 constituents in the SWP, 10 constituents in the SEP, 9 constituents in the NEP, and 6 constituents in the NWP.

The 2023 RCRA Permit Renewal Application (Revision 1) is the current CAP for the SWP, SEP, NWP and NEP. The CAPs for the NWP, NEP, SWP, and SEP consist of natural attenuation remedies, while the corrective action for the SWP also includes phytoremediation. In 2025, the MWMF Phytoremediation System irrigated and sprayed ~63.2M L (16.7M gal of tritiated water) preventing ~18.5 curies (Ci) of tritium from reaching FMB. In addition, ~4.2 Ci of tritium directly evaporated from the surface of the collection pond. The current system has proven to be effective in managing nearly 70% of the water that is discharging from the plume that was originally impacting FMB, by preventing its discharge into FMB.

The average evapotranspirative efficiency of the irrigation system in 2025 was similar to what it was in 2024. The average evapotranspirative efficiency of the irrigation system during 2025 was ~86.6 ± 1.2% for the original plots, 77.4 ± 3.2% for the eastern expansion area, and 68.5 ± 0.9% for the western expansion area. The collective annual efficiency was 80.8 ± 7.3% for all irrigation plots. Lower efficiencies for the eastern and western areas are due to lower vegetative densities at these plots. SRS expects the efficiencies to increase as the trees grow and mature. The efficiency varies over the seasons and is least efficient during the winter months when evapotranspiration rates are low and during high rainfall periods. The full capacity of the new eastern and western

irrigation areas will not be realized until the trees have grown to a mature size. SRS maintains operation of the irrigation system into the winter months by using the two expansion areas and two evaporators (that intake water from the pond) that began operating in 2022. The overall objective is to maintain the water level as low as practicable in the irrigation pond throughout the year to maximize the volume of groundwater collected by the pond from the UAZ and LAZ.

When tritium is evaporated and transpired to the atmosphere by spray irrigation, it is likely that chlorinated volatile organic compounds (cVOCs) and 1,4-dioxane are volatilized, photo-oxidized, or degraded at a very high efficiency. The 1,4-dioxane and other VOCs in the SWP are commingled with the tritium, and it is likely these constituents were present in the plume as long as the tritium. Based on attenuation rates for tritium, cVOCs, and 1,4-dioxane at the SWP, the radioactive decay of tritium to below the GWPS is expected to take longer than the natural attenuation of 1,4-dioxane and the other cVOCs. Due to the constituents being commingled, SRS believes that continuing to manage tritium, cVOCs, and 1,4-dioxane with the collection pond and irrigation system is a reasonable approach with a high probability of success.

Source control from the low-permeability cap at the Old Radioactive Waste Burial Ground (ORWBG) is moderating the contamination concentration within the SWP, SEP, NEP, and NWP. Thus, the long-term corrective action employed for groundwater contamination at the SWP should be the continued operation of the irrigation system (operating at low pond levels to maximize efficiency) coupled with infiltration control via the Old Radioactive Waste Burial Ground cap. Natural attenuation continues to be an effective remedy at the SEP, NEP, and NWP.

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LIST OF ABBREVIATIONS AND ACRONYMS

~	approximate, approximately
2,4,5-T	2,4,5-Trichlorophenoxyacetic acid
ac	acre
bgs	below ground surface
CAP	Corrective Action Plan
CAR	Corrective Action Report
CBCU	Crouch Branch Confining Unit
CERCLA	Comprehensive Environmental response, Compensation and Liability Act
Ci	curie
cm	centimeter
CMIR	Corrective Measures Implementation Report
CPT	Cone penetrometer technology
CRML	Comprehensive Radiological Monitoring List
cVOC	Chlorinated volatile organic compounds
DCE	dichloroethylene
ED	Engineered Ditch
ERT	Electrical Resistivity Tomography
FMB	Fourmile Branch
ft	foot
gal	gallon
GA	Gordon Aquifer
GAC	Granular activated carbon
GCU	Gordon Confining Unit
GSA	General Separations Area
gpm	gallon per minute
GSACU	General Separations Area Consolidation Unit
GWPS	Groundwater Protection Standard
ha	hectare
HWMF	Hazardous Waste Management Facility
in.	inch
L	liter
LAZ	Lower Aquifer Zone
LLRWDF	Low Level Radioactive Waste Disposal Facility
MCL	maximum contaminant level
ug	microgram
m	meter
MDL	method detection limit
mL	milliliter
MWMF	Mixed Waste Management Facility
NEP	Northeast Plume
NTU	Nephelometric Turbidity Unit
NWP	Northwest Plume

LIST OF ABBREVIATIONS AND ACRONYMS *(Continued/End)*

OFED	Old F-Area Effluent Ditch
ORWBG	Old Radioactive Waste Burial Ground
PCE	tetrachloroethylene
pCi	picocurie
PCR	Post-Construction Report
PNNL	Pacific Northwest National Laboratory
POC	point of compliance
PWMS	Purge Water Management System
RACR	Remedial Action Completion Report
RCRA	Resource Conservation and Recovery Act
RED	Zero valent iron and GAC mixture
ROD	Record of Decision
SCDES[2]	South Carolina Department of Environmental Services
SEP	Southeast Plume
SREL	Savannah River Ecology Lab
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions
SRS	Savannah River Site
SWP	Southwest Plume
TCE	trichloroethylene
TCCZ	tan clay confining zone
UAZ	Upper Aquifer Zone
UIC	Underground Injection Control
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
UTR	Upper Three Runs
UTRA	Upper Three Runs Aquifer
VOC	volatile organic compound
WTU	Wastewater Treatment Unit
yr	year

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

1.0 INTRODUCTION

1.1 Purpose and Scope

This Corrective Action Report (CAR) has been prepared to support the regulatory reporting requirements for the F-Area Hazardous Waste Management Facility (HWMF), the H-Area HWMF, and the Mixed Waste Management Facility (MWMF) at the Savannah River Site (SRS). The reporting requirements are defined by the Office of Environmental Quality Control Bureau of Land and Waste Management Hazardous and Mixed Waste Permit (SC1 890 008 989), dated October 27, 2025, last modified June 3, 2026, hereafter referred to as the "Permit" and by Section C of the Underground Injection Control (UIC) Permit Applications, as well as other information by agreement with the South Carolina Department of Environmental Services[3] (SCDES). In accordance with the Permit, an annual report will be submitted on or before August 31 of each year and will document the effectiveness of the Corrective Action Program (CAP) for the F-Area HWMF, the H-Area HWMF, and the MWMF for the period of January 1 through December 31 (First, Second, Third and Fourth Quarters) of the previous year.

1.1.1 F-Area and H-Area HWMFs Regulatory Background

Groundwater at the F-Area and H-Area Seepage Basins is impacted by former operations of the F-Area and H-Area HWMFs. Each area has an extensive monitoring well network that is sampled for a variety of chemical and radioactive contaminants. Groundwater monitoring results have indicated the major contaminants are metals, radionuclides, and nitrates in both areas. In addition, investigations performed at the F-Area HWMF, and to a lesser extent the H-Area HWMF, revealed the presence of acid contamination in the subsurface, which increases mobility of metals.

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

The 2013 RCRA Permit Renewal (Rev 3) is the current CAP for both the H-Area HWMF and the F-Area HWMF. The CAP applies a phased remedial approach. Phase 1 was the implementation of a groundwater extraction and injection system to capture and remediate portions of the tritium plume with the highest activities. This phase was considered complete in October 2003 upon suspension of pump and treat operations.

Phase 2 implements several technologies including engineered groundwater barriers, base injection, and silver chloride technology (F Area Only) to reduce the concentration of contaminants in surface water of FMB and reduce the discharge of contaminants from the plumes to surface water at the seeplines along FMB. The remedial technologies implemented for Phase 2 have proven effective and feasible in working toward the corrective action goals; however, additional time is needed for these technologies to work to meet Phase 2b remedial goals at the F- and H-Area seeplines along FMB. These remedial technologies will continue to be deployed as part of the corrective actions.

The Phase 2 remedial action for the F-Area HWMF and H-Area HWMF consists of engineered groundwater barriers, base injection, and silver chloride injection (F-Area HWMF only). These technologies are targeted to address both stream/seepline and groundwater contamination and replaced the Phase 1 pump-treat-reinjection systems for both areas. Installation of the engineered barriers at the F-Area HWMF and the H-Area HWMF was completed September 13, 2004, and December 16, 2004, respectively. An extension to the F Area barrier system was constructed in 2011.

In 2011, an UIC Permit was approved to deploy a technology for the treatment of radioactive iodine (e.g., iodine-129) in-situ at the F-Area HWMF. SRS successfully injected a suspension containing finely ground silver chloride particles mixed with domestic water into the subsurface to test the capture potential for radioactive iodine. At the central gate, approximately [~] 291,500 liters [L] [77,000 gallons [gal] of silver chloride and domestic water were injected over two months. After monitoring the effect of silver chloride on iodine for several years, SRS concluded that silver chloride is effective at

sequestering iodine-129 in-situ and that additional silver chloride is needed at the central gate to improve the effectiveness of treating iodine-129.

In 2015, SRS injected additional silver chloride at the central gate to boost the treatment effectiveness for iodine-129. During June and July 2015, 363.4 L (96 gal) of silver chloride concentrate (362,642.4 L [95,800 gal] diluted) were injected into the Upper Aquifer Zone (UAZ) on the eastern half of the central gate using seven temporary injection points.

Silver chloride technology has been demonstrated to be effective at managing iodine-129. In May 2016, SRS submitted Revision 2 to the 2000 RCRA Permit Renewal Application, Volume IV, that proposed adding silver chloride as a corrective action at the F-Area HWMF. SCDES approved the Renewal Application and incorporated silver chloride technology in the August 2017 modification of the RCRA Permit Renewal. Deployments of silver chloride will be managed under the UIC permit process.

In 2018, SRS performed a third deployment of silver chloride at the F-Area HWMF. This deployment of silver chloride was again placed at the central gate with the intent of augmenting previous silver chloride injections and increase robustness through further development of a permeable in situ treatment zone of silver chloride reactive particles along the eastern half of the central gate, where the majority of the iodine-129 flux occurs. The injections for the third deployment of silver chloride began in September of 2018 and were completed in May 2019.

1.1.2 MWMF Regulatory Background

On September 12, 2023, SRS submitted the revision 0 permit renewal application for the MWMF. In October 2025, the 2023 RCRA Permit Renewal was issued to SRS with an effective date of October 27, 2025. The MWMF is divided into four plume areas: Southwest Plume (SWP), Northwest Plume (NWP), Northeast Plume (NEP), and Southeast Plume (SEP). Natural attenuation remedies for the NWP, NEP, and SEP, approved under the 2017 modification to the 2014 RCRA Permit Renewal, remain in effect under the renewed permit. An extensive monitoring well network is used to monitor

groundwater quality and remedial effectiveness associated with the MWMF (which includes the Burial Ground Complex). All four plume areas are monitored for a comprehensive GWPS that can be found in the Permit.

The SWP discharges tritium-contaminated groundwater into a small tributary that feeds FMB. Monitoring results revealed that tritium concentrations from these seeps exceed the GWPS.

The remedial action for the SWP involves phytoremediation and natural degradation. The remedial action consists of the following three major components: 1) construction of a small sheet pile dam across the portion of the seeps with the highest tritium concentration; 2) collection of contaminated groundwater behind the dam in a surface pond; and 3) pumping of the seep water from the surface pond to an irrigation system that distributes the water to a mixed pine/hardwood forest and to two engineered pine forests referred to as the eastern and western expansion areas. All the irrigation areas (~24.3 hectare {ha} 60 acres [ac]) are located over the plume area and cause direct evaporation of water containing contaminants (tritium and organic compounds, e.g., 1,4-dioxane, TCE), oxidation of organics, and uptake of water into trees for transpiration to the atmosphere. Dose modeling indicates atmospheric levels of tritium are well below regulatory standards.

The primary contaminants in the SEP, NWP, and NEP are cVOCs (e.g., trichloroethylene [TCE]) and tritium. Natural degradation with source control (capping of the ORWBG/MWMF/Low Level Radioactive Waste Disposal Facility [LLRWDF]) remedies have been implemented for these plumes. The primary attenuation mechanisms for the cVOCs are reductive dechlorination beneath the caps and aerobic degradation within the plume. For tritium, the primary mechanism is radioactive decay.

As required by the permit, every five years SRS evaluates and prepares a report on remedial technologies available for tritiated groundwater. The 2024 technology review was provided in Appendix H of the 2024 CAR and concluded that the current remedial action for tritium remains appropriate for the MWMF. The next tritium technology review will be completed in year 2029.

1.1.3 General Separations Area Comprehensive Environmental Response, Compensation, and Liability Act -Related Activities

The General Separations Area Consolidation Unit (GSACU) combined four waste sites (H-Area Retention Basin, Warner's Pond, HP-52 Ponds, and the ORWBG) into one program. Final remedial actions, which included waste consolidation and capping for the GSACU, began in December 2003 and are physically complete. The Regulatory approval of the Record of Decision (ROD), Revision 1 Post-Construction Report (PCR)/Corrective Measures Implementation Report (CMIR)/Remedial Action Completion Report (RACR) for the GSACU document was received from the United States Environmental Protection Agency (USEPA) on May 21, 2008, and from the SCDES on May 22, 2008.

2.0 MONITORING/REPORTING REQUIREMENTS

2.1 F-Area HWMF and H-Area HWMF/Monitoring/Reporting Requirements

The F-Area HWMF groundwater monitoring requirements are described in Module IV, Section B, of the Permit. The H-Area HWMF groundwater monitoring requirements are described in Module IV, Section C, of the Permit. The well networks for the F-Area and H-Area HWMFs monitor the UAZ and the LAZ of the UTRA, and the GA. (Refer to Maps 1A, 1B, and 1C, Volume II). Groundwater sampling, analysis, and other monitoring requirements are conducted as required by the Permit.

The wells that are Purge Water Management System (PWMS) wells are listed in Appendix A (Table A-2), Volume I.

In 2024, a field start was scheduled for CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) unit "Spill on 2/1/57 of Unknown of Seepage Basin Leak from 904-44G". The 904-44G spill release area is located adjacent to the H-Area HWMF cap/cover system. The 904-44G spill release area was initially investigated in 2002 under the SRS Site Evaluation program and placed in Federal Facility Agreement Appendix C, RCRA/CERCLA Units due to the presence of cesium-137 concentrations in soil that exceeded acceptable background levels.

In August 2023, a meeting was held to discuss an updated risk assessment and a path forward. The Core Team agreed that removal of the "hot spot" as a maintenance action (hot spot excavation) per the SRS Operations and Maintenance Plan was appropriate and formal documentation of the updated risk assessment was warranted in an addendum to the 2003 Site Evaluation Report.

On May 7, 2024, SRS excavated soil above the background cesium-137 concentration down to 0.3 m (1 ft) below ground surface. A total volume of approximately 14.1 m^3 (18.5 cubic yards) was excavated. After the excavation was complete, the area was filled and

graded with crusher run gravel to provide positive uniform sheet flow drainage (maximum slope of 2%) toward the perimeter drainage ditch.

The addendum to the site evaluation report was submitted to SCDES and the USEPA in March of 2025 and concluded that there is no risk to the future industrial worker. The EPA and SCDES approved the Revision 1 Site Evaluation Report Addendum on August 13, 2025, and September 9, 2025, respectively. Based on regulatory approval of the Revision 1 Site Evaluation Report Addendum, the 904-44G spill release area was moved from Appendix G.1: *Area to be investigated* to Appendix G.2: *Area Determined to Require No Further Response Action*.

2.2 MWMF Monitoring/Reporting Requirements

The MWMF groundwater monitoring requirements are defined in Module IV, Section D of the Permit. On September 12, 2023, SRS submitted the revision 0 permit renewal application for the MWMF. In October 2025, the 2023 RCRA Permit Renewal was issued to SRS with an effective date of October 27, 2025. All four plume areas are monitored with a comprehensive GWPS that can be found in the Permit. The well network for the MWMF monitors the UAZ and LAZ of the UTRA and the GA beneath the facility in all four plume areas (SWP, SEP, NWP, and NEP). Groundwater and surface water monitoring is conducted as specified in the Permit. Refer to Maps 1A, 1B, and 1C, Volume II.

Permit Section IVD.K.3(k) requires a list of wells and corresponding well construction details for wells installed since the submittal of the 2023 RCRA Part B Renewal Application. Appendix A, Volume I, contains a list of all existing, installed, and abandoned wells. Appendix A (Table A-2), Volume I, lists the wells in the PWMS network.

3.0 COMPLIANCE MONITORING

3.1 Water Quality and Elevation Data (IVB.B.11.b.i, IVC.B.11.b.i, and IVD.K.3.l)

All water quality (monitoring wells, wetland piezometers, and surface water) and water-elevation data (water levels) for the F-Area HWMF, the H-Area HWMF (Appendix B, Tables, Volume I), and the MWMF (Appendix B, Tables and Appendix C, Volume I) collected during 2025 are presented in accordance with the Permit requirements. The data tables present the analytical data in a matrix format depicting sampling stations and analytical constituents by aquifer unit. The data tables include laboratory-qualified data that is verified.

Field data for the F-Area HWMF, the H-Area HWMF, and the MWMF for 2025 are also included in the data tables, in accordance with the Permit requirements. The tables include water elevations as they correspond to specific sampling events.

3.2 Hydrographs (IVB.B.11.b.ii, IVC.B.11.b.ii, and IVD.K.3.b)

Hydrographs for selected wells for the F-Area HWMF, the H-Area HWMF, and the MWMF are provided in Appendix D, Volume I, in accordance with the Permit requirements. The wells were selected to provide a representative evaluation of the hydrogeology at the waste units. Hydrograph data include water-level specific measurements and water-level measurements taken during routine sampling from 1995 through 2025. Clustered wells are shown on a single graph. Unique symbols are assigned for each well cluster, and the aquifer zone for each well is identified in the legend.

3.3 Time Series Plots (IVB.B.11.b.iii, IVC.B.11.b.iii, and IVD.K.3.c)

Appendix E, Volume I, contains time series plots for selected wells for the F-Area HWMF, the H-Area HWMF, and the MWMF in accordance with the Permit requirements. The wells selected provide a representative evaluation of the groundwater contamination and corrective actions at the waste units. The time series plots show permit-required constituents monitored from 1995 through 2025. Data from clustered wells are shown on

a single graph, and the GWPS is depicted with a horizontal dashed line for reference. Unique symbols are assigned for each well in a cluster, and the aquifer zone for each well is identified in the legend. Scaling is optimized and all graphs are semi-log plots with concentration on the log scale.

Since it is possible to have negative values for radiological results below the detection limit, these negative values will not plot on the log scale and the plotted positive values on either side of the negative value are not connected by a line. This will only be apparent for plots below the detection limit.

The data used to develop the time series plots was not filtered to graphically present comparisons among the parent sample, field duplicates, field splits, reruns, and laboratory duplicates.

3.4 Isoconcentration Maps (IVB.B.11.b.iv, IVC.B.11.b.iv, and IVD.K.3.d)

Isoconcentration plan-view maps for the F-Area HWMF, the H-Area HWMF, and the MWMF are provided in Volume II, in accordance with the Permit requirements. Individual maps depict the contaminant plumes. The concentration contour intervals on each map include the GWPS for that contaminant and additional contours that adequately represent the contaminant distribution.

3.5 Potentiometric Maps (IVB.B.11.b.v, IVC.B.11.b.v, and IVD.K.3.e)

Potentiometric contours and groundwater flow lines for 3Q2025 are provided on the isoconcentration maps for the F-Area HWMF, the H-Area HWMF, and the MWMF (Volume II). The combined maps show groundwater flow direction for the UAZ and LAZ of the UTRA and the GA.

Groundwater velocity calculations provide a basis for estimates of the transport rate for constituents. Groundwater velocities are calculated using the following equation:

$$\text{Velocity (ft/day)} = \frac{\text{Hydraulic Conductivity (ft/day)}}{\text{Porosity (unitless)}} \times \frac{\Delta h(\text{ft})}{\Delta l(\text{ft})}$$

The value Δh is the difference in head, and Δl is the length of the flow path. Flow path length is calculated to the nearest 7.62 meters (m) (25 feet [ft]).

During 2025, groundwater velocities were relatively constant in F Area and H Area, down gradient of the ORWBG (vicinity of the SWP and SEP), and in the north plumes of the MWMF, as has been reported for many years. The following tables provide the 2025 horizontal flow rate estimates for the hydrostratigraphic units for the F-Area HWMF (Table 1), the H-Area HWMF (Table 2), and the MWMF (Table 3).

Table 1. Horizontal Groundwater Velocities in the Hydrostratigraphic Units Beneath the F-Area HWMF

F-Area HWMF	UAZ of the UTRA	LAZ of the UTRA	GA
Kh (ft/day)	91.7	1.5	40
Effective Porosity	0.2	0.2	0.25
dh/dl	**Varies**	**Varies**	**Varies**
Groundwater Velocity (ft/yr) (Third Quarter 2025)			
Flow Path F	1,998	28	365

Note: **Table depicts approximate values.**
Flow was to the southwest in the UAZ and LAZ of the UTRA, and northwest in the GA.

Table 2. Horizontal Groundwater Velocities in the Hydrostratigraphic Units Beneath the H-Area HWMF

H-Area HWMF	UAZ of the UTRA	LAZ of the UTRA	GA
Kh (ft/day)	37.1	1.5	39
Effective Porosity	0.2	0.2	0.25
dh/dl	**Varies**	**Varies**	**Varies**
Groundwater Velocity (ft/yr) (Third Quarter 2025)			
Flow Path H	923	41	162

Note: **Table depicts approximate values.**
Flow was to the southwest in the UAZ and of the UTRA, and northwest in the GA.

Table 3. Horizontal Groundwater Velocities in the Hydrostratigraphic Units Beneath the MWMF

MWMF	UAZ of the UTRA	LAZ of the UTRA	GA
Kh (ft/day)	32	1.5	39
Effective Porosity	0.2	0.2	0.25
dh/dl	**Varies**	**Varies**	**Varies**
Groundwater Velocity (ft/yr) (Third Quarter 2025)			
Flow Path SWP	522	20	162
Flow Path SEP	667	30	162
Flow Path NWP	*	16	162
Flow Path NEP	*	45	162

Note: Table depicts approximate values.
Flow directions in the UAZ and LAZ of the UTRA were to the southwest (SWP), northwest (NWP), northeast (NEP), and southwest (SEP). Flow direction in the GA was to the northwest.
*Due to the limited extent of the UAZ (i.e., the water table drops into the LAZ), no calculation is made for the UAZ in the NWP and the NEP areas.

3.6 Isoconcentration Cross Sections (IVB.B.11.b.vi, IVC.B.11.cbvi, and IVD.K.3.g)

Isoconcentration cross sections for the F-Area HWMF, the H-Area HWMF, and the MWMF are presented in Volume II of this report, in accordance with the Permit requirements. All cross sections selected to represent contamination transport are essentially parallel to groundwater flow from the waste units. For well clusters in a cross section, each screen in a cluster is depicted on the cross section and available data for each screen is posted. The plan-view location of the cross sections is shown on insets on each cross section map and on the plume maps in Volume II.

3.7 Determination and Extent of Severity of Groundwater Contamination (IVB.B.11.b.viii, IVC.B.11.b.viii, and IVD.K.3.h)

Monitoring results for groundwater, surface water, and wetlands are included for the F-Area HWMF, the H-Area HWMF, and the MWMF. The extent and severity of the groundwater contamination is determined based on the analytical results of the groundwater sampling performed for that period. The following sections describe the extent and severity of the groundwater contamination in terms of compliance monitoring and GWPS exceedances for the F-Area HWMF, the H-Area HWMF, and the MWMF.

3.7.1 Compliance Groundwater Monitoring

3.7.1.1 F-Area HWMF Compliance Groundwater Monitoring

Compliance monitoring for the F-Area HWMF was performed quarterly during 2025, in accordance with the Permit requirements. Monitoring results are in Appendix B, Tables B-1, Volume I.

The scheduled 2025 sampling was completed for all wells in F Area.

3.7.1.2 H-Area HWMF Compliance Groundwater Monitoring

Compliance monitoring for the H-Area HWMF was performed quarterly during 2025, in accordance with the Permit requirements. Monitoring results are in Appendix B, Table B-2, Volume I.

The scheduled 2025 sampling was completed for all wells in H Area.

3.7.1.3 MWMF Compliance Groundwater Monitoring

Compliance monitoring was performed for the MWMF, in accordance with the Permit, and is discussed by plume areas (SWP, SEP, NEP, and NWP). During 2025, all four plume areas were monitored.

All four of the plume areas (SWP, NWP, NEP, and SEP) have radiological indicator parameters (nonvolatile beta, gross alpha, sum of beta, sum of beta dose, or sum of alpha) that exceed GWPS levels. GWPS exceedances of radiological indicator parameters are only discussed when the indicator parameter exceeds the GWPS and are not supported by speciated radiological isotopes. However, due to an analysis phenomenon known as “cross talk”, radiological indicator analyses such as gross alpha and nonvolatile beta rarely agree with the sum of the speciated data. Cross talk occurs when part of the alpha emissions is counted as beta and part of the beta emissions are counted as alpha so that the overall sum of gross measurements is usually higher than the sum of the speciation. Therefore, gross

radiological parameter exceedances should not be considered at the same level of importance as speciated values.

SWP Compliance Monitoring

During 1Q2025 and 3Q2025, the SWP monitoring wells were monitored for compliance requirements. Analytical results indicate twelve constituents exceeded the GWPS. The results and the aquifer zones, in which the exceedances occurred, are presented in Appendix B, Table B-7, Volume I.

SEP Compliance Monitoring

For the SEP plume, the 1Q2025 and 3Q2025 data were compared to the GWPS.

During 2025, the SEP monitoring wells were monitored for semi-annual compliance requirements. Analytical results indicate ten constituents exceeded the GWPS. The results and the aquifer zones in which the exceedances occurred are presented in Appendix B, Table B-8, Volume I.

NEP Compliance Monitoring

For the NEP plume, the 1Q2025 and 3Q2025 data were compared to the GWPS.

During 2025, the NEP monitoring wells were monitored for semi-annual compliance requirements. Analytical results indicate nine constituents exceeded the GWPS. The results and the aquifer zones, in which the exceedances occurred, are presented in Appendix B, Table B-9, Volume I.

NWP Compliance Monitoring

For the NWP plume, the 1Q2025 and 3Q2025 data were compared to the GWPS.

During 2025, the NWP monitoring wells were monitored for compliance requirements. Analytical results indicate six constituents exceeded the GWPS. The results and the aquifer

zones, in which the exceedances occurred, are presented in Appendix B, Table B-10, Volume I.

3.7.2 Wetland Compliance Monitoring

The following subsections discuss Wetland Compliance Monitoring for the F-Area HWMF, the H-Area HWMF, and the MWMF.

3.7.2.1 F-Area HWMF Wetland Compliance Monitoring

During all four quarters of 2025, groundwater sampling was scheduled for 17 F-Area HWMF wetland piezometers. Groundwater samples were collected from all 17 piezometers during each quarter, excluding FSP 2B which was dry during the third quarter.

In accordance with the Permit Application, all 17 wetland groundwater piezometers are analyzed for the full suite of GWPS constituents during the third quarter of each year. During the remaining quarters, the stations are analyzed for a reduced suite of GWPS constituents based on the analytes detected during the full suite sampling event. If a constituent is not detected above the GWPS during the third quarter sampling event, it is excluded from further analyses during the remaining quarters. However, gross alpha, nonvolatile beta, tritium, and nitrate-nitrite, are sampled during all quarterly events. The sample results for 2025 are presented in Appendix B, Table B-3, Volume I, and the locations are shown on Map 1A, Volume II.

In groundwater beneath the wetlands of FMB, cobalt, lead, mercury, nitrate-nitrite, carbon-14, gross alpha, iodine-129, nonvolatile beta, radium-226, radium-228, strontium-90, tritium, uranium-233/234, and uranium-238 exceeded the GWPS. Iodine-129 and tritium were the most widespread constituents in the wetlands, exceeding the GWPS at all but four and seven locations, respectively. The maximum concentration of iodine-129 (98.4 picocuries per liter [pCi/L]) and tritium (581 picocuries per milliliter [pCi/mL]) occurred at FPZ 7A and FPZ 6A, respectively and was less than the results in 2024. Methylene chloride exceeded the GWPS (5 micrograms per liter [ug/L]) at FSP 249B (7.66 ug/L). Methylene chloride is a common laboratory contaminant, and the result is likely

attributable to a laboratory quality control issue. The sample was analyzed at the same lab and within one day of other samples from HPZ 5B and FMC 002H that had anomalous methylene chloride exceedances. The sample results are presented in Appendix B, Table B-3, Volume I. The locations are shown on Map 1A, Volume II.

3.7.2.2 H-Area HWMF Wetland Compliance Monitoring

During all four quarters of 2025, sampling was scheduled for ten H-Area HWMF wetland groundwater piezometers. All wetland piezometers were sampled during all four quarters, excluding HPZ 5B which was dry during the fourth quarter.

In accordance with the Permit Application, during the third quarter of each year, all ten wetland groundwater piezometers are analyzed for the full suite of GWPS constituents. During the remaining quarters, the stations are analyzed for a reduced suite of GWPS constituents based on the analytes detected during the full suite sampling event. If a constituent is not detected above the GWPS during the third quarter sampling event, it is excluded from further analyses during the remaining quarters. However, gross alpha, nonvolatile beta, tritium, nitrate-nitrite, and mercury are sampled during all quarterly events. The sample results are presented in Appendix B, Table B-4, Volume I, and the locations are shown on Map 1A, Volume II.

In groundwater beneath the wetlands of the FMB; nitrate-nitrite, carbon-14, iodine-129, nonvolatile beta, and tritium exceeded the GWPS. Tritium was the most widespread constituent in the wetlands, exceeding at all but two locations (HPZ 5A and HPZ 5B). The maximum concentration for tritium was 626 pCi/mL at location HPZ 1A and was less than results measured in 2024. Lead exceeded the GWPS at HPZ 5B (19 micrograms per liter [ug/L]). This exceedance appears to be an artifact of elevated turbidity (165 NTUs) in the sample. In the same sample, methylene chloride (8.1 ug/L) also exceeded the GWPS. Methylene chloride is a common laboratory contaminant, and the result is likely attributable to a laboratory quality control issue. The sample was analyzed at the same lab and within one day of other samples from FSP 249B and FMC 002H that had anomalous

methylene chloride exceedances. The sample results are presented in Appendix B, Table B-4. The locations are shown on Map 1A, Volume II.

3.7.2.3 MWMF SWP Wetland Compliance Monitoring

During 2025, seven wetland groundwater piezometers were monitored for tritium each quarter and in 3Q for the full GWPS list (Appendix B, Table B-11, Volume I). Analytical results indicate tritium (all locations), carbon-14 (two locations), and 1,4-dioxane (two locations) exceeded the GWPS. The sample results are presented in Appendix B, Table B-11, Volume I. The locations are shown on Map 1A, Volume II.

Tritium is the most prevalent contaminant in groundwater at the SWP wetlands. Tritium is usually measured at higher concentrations in the deeper piezometers because the deeper wetland piezometers monitor groundwater just above a clay horizon. This horizon has lower conductivities, higher effective porosities, and is not easily flushed by groundwater movement. In addition, the shallower piezometers are screened near the surface and intersect a highly conductive root zone near the surface, which can transmit rainwater or overland flow and dilute the concentrations.

3.7.3 Surface Water Compliance Monitoring

The following sections discuss Surface Water Compliance Monitoring for the F-Area HWMF, the H-Area HWMF, and the MWMF (SWP and NWP/NEP).

3.7.3.1 F-Area HWMF and H-Area HWMF Surface Water Compliance Monitoring in FMB

In accordance with the Permit Application, during the third quarter of each year, 12 FMB surface water stations are analyzed for the full suite of GWPS constituents. During the remaining quarters, the stations are analyzed for a reduced suite of GWPS constituents determined based on the analytes detected during the full suite sampling event. If a constituent is not detected above the GWPS during the third quarter sampling event, it is excluded from further analyses during the remaining quarters. However, gross alpha,

nonvolatile beta, tritium, nitrate-nitrite, and mercury are sampled during all quarterly events. The sample results are presented in Appendix B, Table B-3, and B-4, Volume I, and the locations are shown on Figure 1.

As part of the tritium flux monitoring, an additional station (FMC 002H) was sampled for tritium only. The results for this station are also presented in Appendix B, Table B-3 and B-4, Volume I. The location is shown in Figure 1.

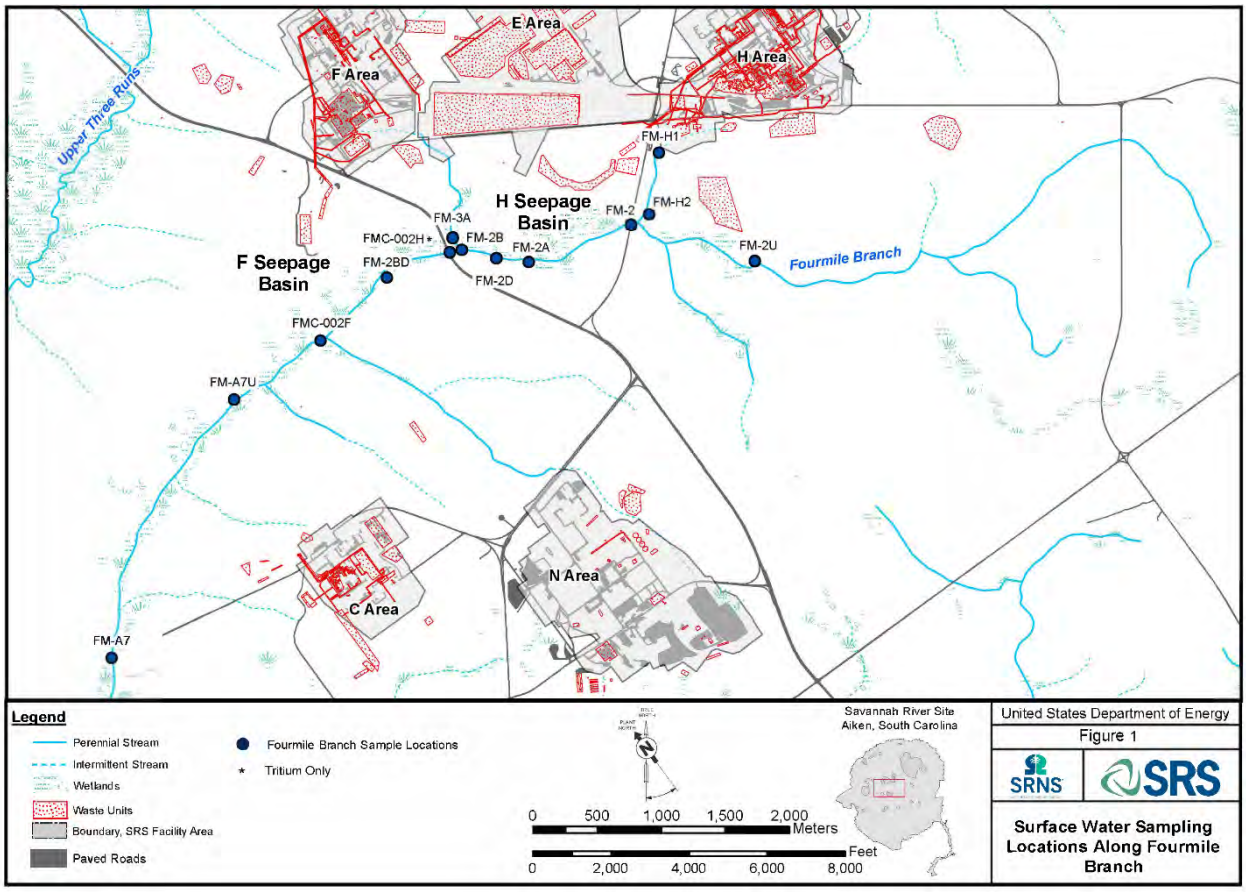


Figure 1. Surface Water Sampling Locations Along Fourmile Branch

During 2025, iodine-129 (two locations at F Area) and tritium (seven locations at F and H Areas) exceeded the GWPS in FMB. A GWPS exceedance for Methylene Chloride (7.88 ug/L) was also reported at FMC 002H. Methylene chloride is a common laboratory contaminant, and the result is likely attributable to a laboratory quality control issue. The sample was analyzed at the same lab and within one day of other samples from FSP 249B

and HPZ 5B with anomalous methylene chloride exceedances. Tritium was the most prevalent contaminant exceeding the GWPS at 7 of 13 locations. The maximum concentration of tritium in FMB was 558 pCi/mL at FM 3A (located downgradient from the MWMF SWP).

3.7.3.2 MWMF Surface Water Compliance Monitoring in FMB and Upper Three Runs

SWP (FMB Watershed)

During 2025, SRS sampled the ten MWMF SWP surface water locations (Engineered Ditch [ED], Old F-Area Effluent Ditch (OFED), phytoremediation pond, and FMB) for tritium. Analytical results indicate tritium exceeded the GWPS in FMB at every location except for background station FM-2. The sample results are presented in Appendix B, Table B-11, Volume I. The locations are shown on Map 1A, Volume II.

Surface water locations ED-01, OFD-01, and OFD-02 monitor tritium concentrations from the ED, the OFED below the pond, and the OFED farther downstream of the pond, respectively. A surface water grab sample from the phytoremediation pond (location FHP-001) and a grab sample from the irrigation water tank (location FHP-001A) filled from the pond used to irrigate the phytoremediation plots are representative of the phytoremediation pond. During normal operation of the phytoremediation system, water from the entire pond exits at the pump intake as it is withdrawn for irrigation use. Samples collected at the pump intake represent the average concentration of tritium in the pond. The ED contains surface water that originates from the discharge of F Area process water and storm water runoff, and the ED-01 location also receives groundwater discharge from seeps. Surface water in the OFED consists of many braided streams originating from numerous groundwater seep locations that combine to form a single stream. Location FM-3A is located just below the confluence of the ED and the OFED and is the last sampling location before entering FMB. FMC-002H, and FM-2B are FMB sampling locations at the MWMF while FM-2 is a background station on FMB.

Tritium exceeded the GWPS at 9 of 10 monitoring locations during 2025. Overall, maximum concentrations in 2025 were similar to last year's results. The maximum concentration in the pond was 677 pCi/mL at location FHP-001. At the ED, the maximum concentration was 544 pCi/mL while at the OFED tritium was 911 pCi/mL below the pond. Downstream at the confluence of the ED and OFED tritium was 558 pCi/mL in 2025. In FMB at the MWMF, the maximum tritium concentration was 51.7 pCi/mL at location FM-2B.

NWP and NEP (Upper Three Runs Watershed)

Stream locations CBS 010, CBS 020, and CBS 030 monitor surface water in Crouch Branch, a tributary of Upper Three Runs (UTR). This tributary's headwaters originate in H Area. Crouch Branch also receives water from groundwater seeps emanating from the NEP. Stream location UTR-155 monitors an unnamed tributary to Upper Three Runs Creek, which receives water from seeps where the NWP is projected to discharge.

Nine MWMF NWP and NEP surface water locations (Crouch Branch and an unnamed tributary to UTR) are monitored quarterly for tritium. During 2025, tritium exceeded the GWPS at seven locations: CBS-10, CBS-30, CBS-BF1, UTR-130, UTR-140, and UTR-BF1.

Tritium was most prevalent at locations CBS-30 and CBS-BF1 exceeding the GWPS during each quarter in 2025. The maximum concentration overall was 124 pCi/mL at CBS-BF1; however, tritium fluctuates between the sample quarters with a minimum of 24.8 and mean of 74.3 pCi/mL.

The sample results for 2025 are presented in Appendix B, Table B-12, Volume I. The locations are shown on Map 1B, Volume II.

3.8 Statistical Evaluation for Changes in Groundwater Elevations and pH for F-Area HWMF and H-Area HWMF

In accordance with the Permit requirements, the F-Area and the H-Area HWMFs are required to perform a statistical evaluation of annual groundwater quality and elevation changes for the point of compliance (POC) wells and selected assessment wells. No statistical evaluation is required for the MWMF.

Since the remedial system consists of groundwater barriers and base injection systems, the statistical evaluation focuses on the impacts of the barriers and base injection on the groundwater elevations and change in pH. It is important to assess the effects of the barriers and the base injection on the aquifer to better understand the long-term impacts on groundwater quality. Base injection (pH adjustment) represents the treatment mechanism for metals at the F Area barriers and at the wetlands of F and H Areas. Several years after the installation of the remedial systems during the April 2007 reporting period, a simple hypothesis test was used to assess the impact of the barriers and base injection system on the groundwater elevations (F- and H-Areas HWMFs) and changes in pH (F-Area HWMF). A detailed description of the test and the trend statistics for all available wells are presented in Appendix F, Volume I. A review of the previous statistical analysis during this reporting period indicates that the statistical evaluation continues to be valid and is included in this report as Section 3.8.1 and 3.8.2.

3.8.1 Groundwater Elevations

The groundwater elevation statistical results for the F-Area HWMF and the H-Area HWMF are included in Appendix F, Table 1, and Table 2, Volume I, respectively.

Water level changes resulting from barrier installation were statistically evaluated by analyzing the gradients between wells located across the barriers. Although many wells exist near the barriers, only a few well pairs contained sufficient data to adequately perform statistical tests. The majority of the well pairs excluded from the analysis had an insufficient number of measurements collected before the installation of the barriers.

The water level gradient evaluation for the F-Area HWMF and the H-Area HWMF indicates that groundwater flow has changed, due to the installation of the barriers. This is demonstrated by at least four well pairs. At F Area, at least one well pair indicated a significant change in gradient, due to the installation of the barrier walls. This well pair is in the area with the greatest groundwater contamination. The remaining three well pairs are located at the H Area barriers. Due to the configuration of the barriers, located both up gradient and down gradient of the waste unit, the H Area barriers had an immediate impact on groundwater flow.

3.8.2 Change in pH

The change in pH statistical results for the F-Area HWMF is included in Appendix F, Table 3, Volume I.

Significant changes in groundwater pH were statistically evaluated using monitoring wells and wetland sampling locations within the vicinity of the injection wells. The differences in pH before and after injection of the base solution are often a function of location of the monitoring wells and geochemical buffering of the groundwater plume. The most appropriate locations for monitoring pH are the wells that are located down gradient in close proximity of the injection zone.

Five of the wells that were statistically evaluated showed significant indications of change in the groundwater plume pH, due to base injection. The majority of these wells are in the eastern portion of the plume. This is also the area of the plume containing the most significant groundwater contamination. As expected, all the wells located up gradient and outside of the influence of the base injection, except for one (FSB 118), show no statistical impact to pH. Well FSB 118 shows a significant change in pH; however, it is located up gradient a significant distance away from the injection system and thus is not impacted by the base injection.

The statistical evaluation indicates that pH adjustment was accomplished near the gates, due to the injection of base into the aquifer. This is supported by monitoring data from the wells that are located close to the injection zone.

3.8.3 Changes in Tritium Concentration

The time series plots in Appendix E, Volume I illustrate the trends in tritium concentration in the groundwater near the barriers, since the termination of pump and treat operations at the F-Area and H-Area Seepage Basins.

Since installation of the barriers and operation of the base injection system, the tritium concentration down gradient of the F-Area Seepage Basin barriers and gates has decreased significantly. The reduction in concentration is attributed to the control of the contaminated groundwater by the barriers and the release of less contaminated groundwater through the gates.

The tritium concentrations down gradient of the H-Area Seepage Basin barriers have also decreased significantly, as shown in the time series graphs. The reduction in concentration is due to the control of the contaminated groundwater by the barrier.

Sampling and analysis performed during this reporting period confirms that significant reductions in concentration of tritium continue to occur and are consistent with the planned performance of the barriers and gates. The barriers are reducing contamination in FMB. Sections 5.1.3.4 and 5.2.2.3 provide more information on tritium flux to FMB for the F-Area HWMF and the H-Area HWMF, respectively.

3.9 Rainfall (IVB.B.11.b.xi, IVC.B.11.b.xi, and IVD.K.3.i)

Due to the central proximity, the H Area rain gauge station was selected to represent rainfall patterns within the study area. The monthly, quarterly, and cumulative rainfall data in inches for the F-Area HWMF, the H-Area HWMF, and the MWMF during 2025 are presented in Table 4.

Figure 2 presents monthly rainfall totals for January 1 through December 31, 2025. Rainfall for 2025 was approximately 1 inch greater than the long-term annual average (122.5 centimeters [cm] 48.25 inches). A pattern of above average rainfall began in 2013 continuing through 2020. Prior to this SRS experienced below average rainfall in most of the years since 1998.

Table 4. Rainfall for 2025

Month	Rainfall (in)
January	2.28
February	1.89
March	3.59
First Quarter Total	**7.76**
April	4.99
May	10.42
June	5.57
Second Quarter Total	**20.98**
Cumulative Total for First Half of 2025	**28.74**
July	6.93
August	7.64
September	1.54
Third Quarter Total	**16.11**
October	1.72
November	0.05
December	3.18
Fourth Quarter Total	**4.95**
Cumulative Total for Second Half of 2025	**21.06**
Cumulative Annual Total	**49.8**

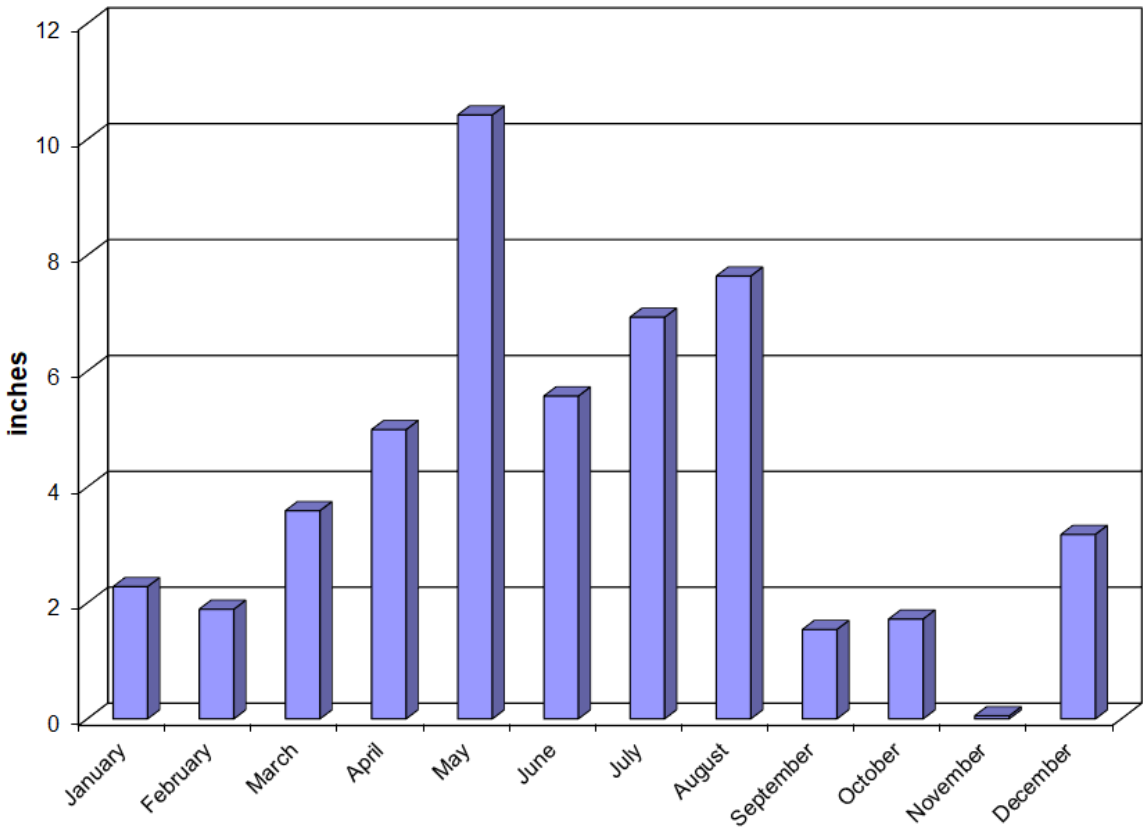


Figure 2. Rainfall for 2025

4.0 DETECTION MONITORING

4.1 F-Area HWMF Appendix IX (IVB.B.10.c)

SRS performed detection monitoring for the F-Area HWMF during 3Q2025, in accordance with the Permit requirements. Twenty percent of the POC wells were sampled for Appendix IX constituents, carbon-14, and cesium-134. The sample results for 2025 are presented in Appendix B, Table B-5, Volume I. A summary of all Appendix IX constituents detected within the previous ten years at the F-Area HWMF is provided in Table 5. Detailed information for each detection is documented in the CAR for the corresponding reporting year.

During detection monitoring in 2025, no new constituents were detected at F-Area HWMF.

4.2 H-Area HWMF Appendix IX (IVC.B.10.c)

SRS performed detection monitoring for the H-Area HWMF during 3Q2025, in accordance with the Permit requirements. Twenty percent of the POC wells were sampled for Appendix IX constituents, carbon-14, and cesium-134. The sample results for 2025 are presented in Appendix B, Table B-6, Volume I. A summary of all Appendix IX constituents detected within the previous ten years at the H-Area HWMF is provided in Table 5. Detailed information for each detection is documented in the CAR for the corresponding reporting year.

During detection monitoring in 2025, no new constituents were detected at H-Area HWMF

4.3 MWMF Appendix IX and Comprehensive Radiological Monitoring List (IVD.E.5)

SRS performed detection monitoring for the MWMF during 3Q2025, in accordance with the Permit requirements. Samples were collected from 20% of the POC wells for Appendix IX and Comprehensive Radiological Monitoring List (CRML) constituents. The CRML constituents are specified in the Permit. The sample results for 2025 are presented in Appendix B, Tables B-13 through B-16, Volume I. A summary of all Appendix IX

constituents detected within the previous ten years at the SWP, SEP, NWP and NEP are provided in Table 5. Detailed information for each detection is documented in the CAR for the corresponding reporting year.

During detection monitoring in 2025, no new constituents were detected in the SWP, SEP, NWP nor NEP. SRS will continue to monitor Appendix IX constituents at the MWMF in 2026.

Table 5. Appendix IX Detections (2015-2025)

F-Area HWMF					
Well ID	**Sample Date**	**Parameter Detected**	**Original Result**	**Resample Date**	**Resample Result**
FSB 94C	7/28/2020	1,2-Dichloroethane	1.01 ug/L 0.95 J ug/L*	8/4/2021	0.58 J ug/L
FSB 92C	7/8/2024	2,4,5-T	0.62 ug/L	3/13/2025	Non-detect
H-Area HWMF					
Well ID	**Sample Date**	**Parameter Detected**	**Original Result**	**Resample Date**	**Resample Result**
HSB 102D	7/8/2015	P-nitroaniline	14 ug/L	12/16/2015	Non-detect
HSB 107D	8/2/2018	bis (2-ethylhexyl) Phthalate	2.14 ug/L	8/1/2019	Non-detect
HSB 103C	8/2/2021	Naphthalene	3.97 ug/L	12/16/2021	Non-detect
HSB 85B	8/2/2022	2,6-dinitrotoluene	38.2 ug/L	7/24/2023	Non-detect
HSB 85A	8/27/2024	Tetrachlorodibenzo-p-furans	0.01 ng/L	7/29/2025	Non-detect
Southwest Plume (SWP)					
Well ID	**Sample Date**	**Parameter Detected**	**Original Result**	**Resample Date**	**Resample Result**
BGO 28D	7/13/2015	1,4-dichlorobenzene	1.6 ug/L Non-detect*	7/19/2016	1.0 J ug/L 1.6 ug/L *
BGO 30D	7/13/2015	Naphthalene	6.6 ug/L 7.4 J ug/L*	12/16/2015	4.3 ug/L
BGO 30D	7/20/2016	Naphthalene	2.9 ug/L 7.3 J ug/L*	12/20/2016	3.9 J ug/L 3.8 J ug/L*
BGO 28D	7/19/2016	1,4-dichlorobenzene	1.0 J ug/L 1.6 ug/L *	12/20/2016	2.6 J ug/L
BGO 33C	7/23/2018	Lindane	0.5 ug/L	7/24/2019	Non-detect
BGO 30D	7/17/2018	Naphthalene	2.2 ug/L Non-detect*	7/23/2019	Non-detect
BGO 27C	7/23/2018	Sulfide	1,400 ug/L 800 ug/L*	7/24/2019	Non-detect
BGO 28D	7/3/2018	Sulfide	1,000 ug/L	7/24/2019	Non-detect
BGO 33C	7/3/2018	Sulfide	1,000 ug/L	2019	Non-detect
BGO 2D	7/16/2018	Acetone	2.8 ug/L	7/17/2019	Non-detect
BGO 32D	7/22/2021	Aroclor 1254	0.106 ug/L	12/16/2021	Non-detect
BGO 33C	7/26/2022	Beta-benzene hexachloride	0.037 ug/L	7/13/2023	Non-detect

Table 5. Appendix IX Detections (2015-2025) (Continued)

BGO 30D	8/9/2022	Naphthalene	1.03 ug/L	7/13/2023	Non-detect
BGO 32D	8/9/2022	Naphthalene	1.35 ug/L Non-detect *	NA	NA
BGO 33C	7/13/2023	Plutonium-238	0.388 pCi/L	7/29/2024	Non-detect
Southeast Plume (SEP)					
Well ID	**Sample Date**	**Parameter Detected**	**Original Result**	**Resample Date**	**Resample Result**
BGO 35D	7/18/2017	Sulfide	2,000 ug/L	7/24/2018	Non-detect
BGO 37C	7/23/2018	Sulfide	1,200 ug/L	7/24/2019	Non-detect
BGO 35D	8/2/2022	Bis (2-ethylhexyl) Phthalate	1.22 ug/L	NA	NA
BGO 39A	8/3/2022	Aroclor 1248	0.378 ug/L	7/20/2023	Non-detect
BGO 39A	8/3/2022	Aroclor 1254	0.257 ug/L	7/20/2023	Non-detect
BGO 39A	8/3/2022	Aroclor 1260	0.119 ug/L	7/20/2023	Non-detect
Northeast Plume (NEP)					
Well ID	**Sample Date**	**Parameter Detected**	**Original Result**	**Resample Date**	**Resample Result**
BGO 5C	7/16/2018	Acetone	2.1 ug/L	7/15/2019	Non-detect
BGO 6D	8/28/2018	Cadmium	1.12 ug/L Non-detect*	7/29/2019	Non-detect
BGO 6D	7/29/2019	Bis (2-ethylhexyl) Phthalate	1.7 ug/L	7/8/2020	Non-detect
BGO 6D	8/3/2021	Nickel-63	28 pCi/L	12/16/2021	Non-detect
Northwest Plume (NWP)					
Well ID	**Sample Date**	**Parameter Detected**	**Original Result**	**Resample Date**	**Resample Result**
BGO 15D	7/10/2017	Methyl Chloride	3.1 ug/L	7/18/2018	Non-detect

* Result from a duplicate sample.

5.0 CORRECTIVE ACTION EFFECTIVENESS MONITORING

5.1 F-Area HWMF Corrective Action Program

The current corrective actions for the F-Area HWMF include an engineered low-permeability cap over the seepage basins, an engineered groundwater barrier system with gates, a base injection system as treatment within the gates and in the wetlands of FMB, and silver chloride amendment for treatment of iodine-129. Further discussion on the effectiveness of the corrective action is provided in Section 5.1.3.

Installation of the original length of engineered groundwater barriers at F Area was completed in 2004. A section of barriers ~350.5-m (1,150-ft) long, including an additional gate, was added in 2011 to extend the barrier system to the east. The barrier system now consists of three gates: west gate, central gate, and east gate. The groundwater barrier funnel and gate system was designed to manage tritium and metal releases to FMB and the seepline. The groundwater barriers have been effective at moderating the flow of contaminated groundwater and reducing the discharge of contaminants to FMB.

During June 2005, SRS completed construction and commenced operation of the base injection system within the original two gates (west gate and central gate) at the F-Area groundwater barrier. In 2008, the base injection system was expanded to treat groundwater beneath the wetlands located down gradient of the barriers. In 2011, SRS expanded the base injection system to include the east gate at the extension of the barriers. The base injection system is designed to mitigate acidic groundwater contamination in situ. Figure 3 shows the system configuration.

Figure 3. Base Injection Layout

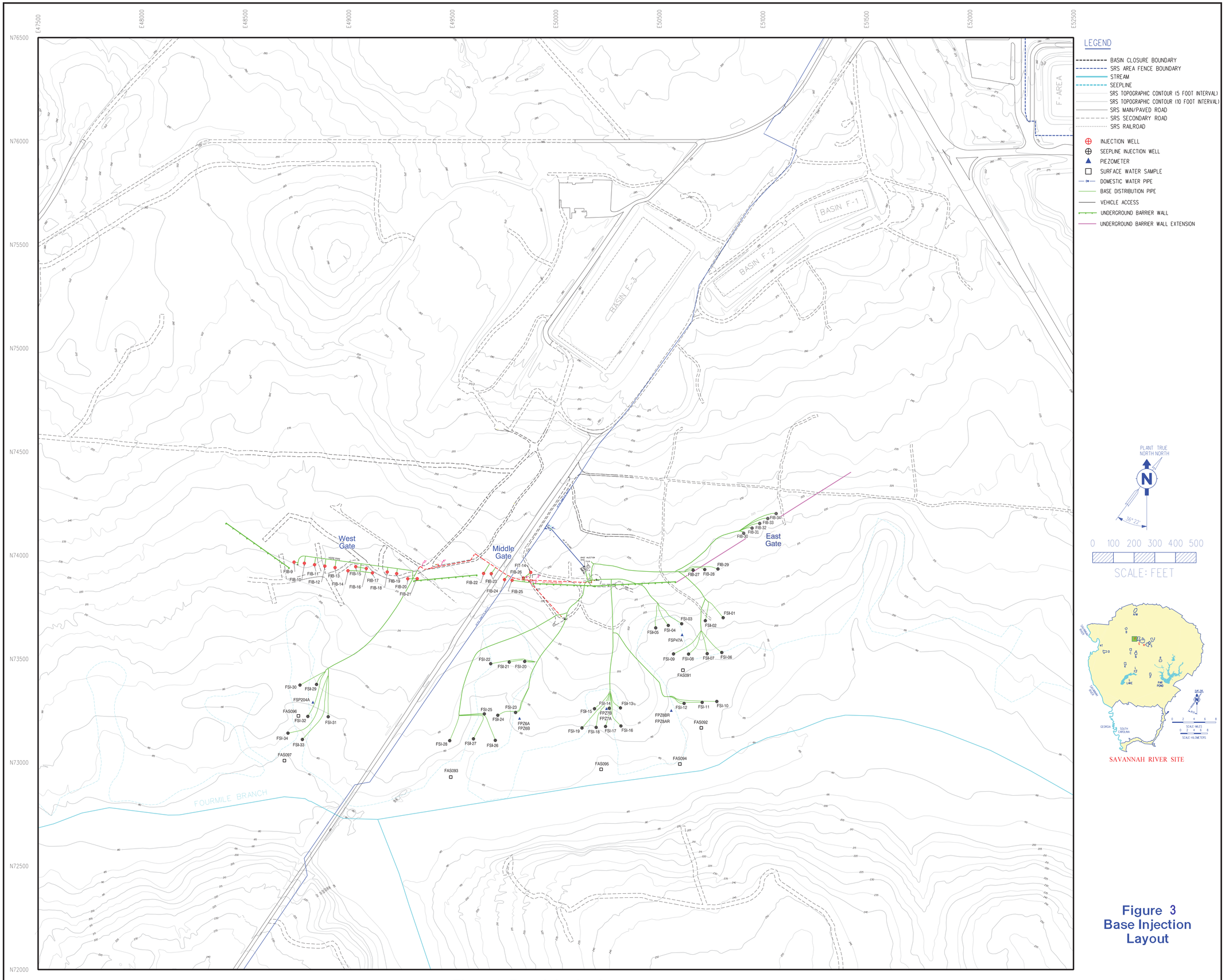


Figure 3. Base Injection Layout

Iodine-129 is currently present at concentrations greater than the GWPS in the groundwater beneath the wetlands, in surface water within the wetlands and in FMB. In 2016, SRS proposed adding silver chloride technology as a corrective action for iodine-129. The SCDES approved and incorporated this remedy into the permit through a 2017 modification. With this modification, silver chloride injections became the permitted corrective action for iodine-129 at the F-Area HWMF. Together the engineered low-permeability cap over the seepage basins, an engineered groundwater barrier system, base injection system, and silver chloride technology comprise the remediation system for the F-Area HWMF. Section 5.1.3.3 provides additional information on the silver chloride technology.

5.1.1 Injection Well Volumes and Injection Rates (IVB.B.11.b.xii)

In 2025, base injection was performed starting in June and continued into September at the central gate. Approximately 19,300,000 L (5.1 M gal) of base solution was injected in 2025 at the F-Area HWMF. The base injection treatment areas are shown on Figure 3. Table 6 summarizes the volumes injected, average rate of injection, and period of injection, for 2025.

5.1.2 Surface Water Monitoring at the Seeplines

SRS has surface water monitoring stations within the seeplines below the closed F-Area Seepage Basins. These monitoring stations support corrective action effectiveness determinations for the Phase 2b corrective action goals of the Permit.

Table 6. F-Area Base Injection Flow Rate 2025

Treatment Area	Well Number	January			February			March			April			May			June			July			August			September			October			November			December			12-month Well Volume
		Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	Tot Hours	Tot gal	Avg gpm	gal
West Gate	FIB-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Middle Gate	FIB-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.0	125,490.0	11.8	393.0	262366.8	11.1	315.0	200025.0	10.6	315.0	190575.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	778,457
	FIB-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.0	128,160.0	12.0	393.0	257808.0	10.9	315.0	211837.5	11.2	315.0	203175.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	800,981
	FIB-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.0	129,495.0	12.1	393.0	286890.0	12.2	315.0	236250.0	12.5	315.0	218137.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	870,773
	FIB-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.0	129,495.0	12.1	393.0	284532.0	12.1	315.0	224437.5	11.9	315.0	221287.5	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	859,752
	FIB-26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.0	123,487.5	11.6	393.0	273528.0	11.6	315.0	240975.0	12.8	315.0	242550.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	880,541
	FIT-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.0	147,517.5	13.8	393.0	323832.0	13.7	315.0	230737.5	12.2	315.0	232312.5	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	934,400
East Gate	FIB-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FIB-34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Wetlands	FSI-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	FSI-34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	Monthly Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,068	783,645	12	2,358	1,688,957	12	1,890	1,344,263	12	1,890	1,308,038	12	0	0		0	0			0	0	5,124,902

Similar to the monitoring strategy used for surface water in FMB and the wetland piezometers, the seepline surface water stations are analyzed for the full suite of GWPS constituents during the third quarter of each year. During the remaining quarters, the stations are analyzed for a reduced suite of GWPS constituents determined based on the analytes detected during the full suite sampling event. If a constituent is not detected above the GWPS during the third quarter sampling event, it is excluded from further analyses during the remaining quarters. However, gross alpha, nonvolatile beta, tritium, and nitrate-nitrite are sampled for during all quarterly events. The sample results are presented in Appendix B, Table B-3, Volume I, and the locations are shown on Map 1A, Volume II.

In 2025, surface water samples were collected during each quarter from all sample locations except for FAS-103 which was dry during the third quarter. At the F Area seepline (Phase 2b corrective action goals), cobalt, nitrate-nitrite, gross alpha, nonvolatile beta, iodine-129, radium-226, radium-228, strontium-90, tritium, uranium-233/234, and uranium-238 exceeded the GWPS in surface water. Iodine-129 and tritium were the most widespread constituents in surface water at the wetlands, exceeding the GWPS at four out of five locations. The maximum concentration of iodine-129 (213 picocuries per liter [pCi/L]) occurred at FAS-91 while the maximum concentration of tritium (71.8 pCi/mL) was measured at FAS-92.

SRS and SRNL conducted soil sampling efforts in June 2025, February 2026 and June 2026 to better characterize contaminant conditions in the wetland environment. In June 2025, sediment cores were collected using vibracore for shallow intervals and Geoprobe direct-push coring for deeper profiles. The 2026 sampling events conducted in February and June, used vibracore to evaluate temporal and geochemical influences on contaminant concentrations. Soil analysis showed that iodine-129 and related contaminants were predominantly retained within the organic rich near surface sediments, where abundant organic matter and iron/manganese/aluminum oxides promote strong sorption and binding. While evaluation of temporal and geochemical influences remains ongoing, these soil data improve understanding of contaminant distribution in the wetlands and supports continued

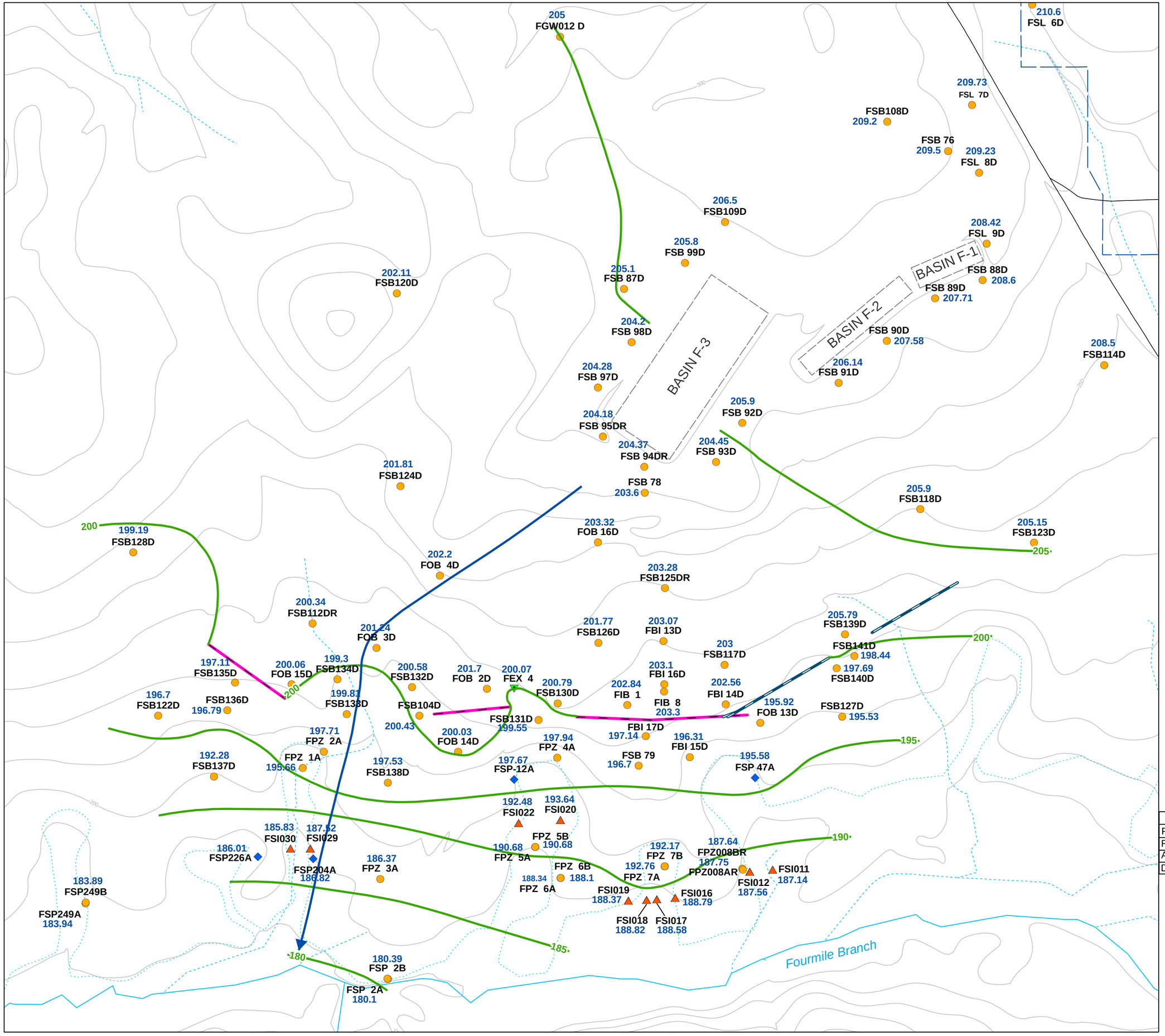
assessment of corrective action effectiveness as remediation progresses. Results from these soil sampling events are provided in Appendix H.

5.1.3 Effectiveness of the F-Area HWMF Corrective Action Program (IVB.B.11.b.xiii)

5.1.3.1 Groundwater Barriers

In 2004, SRS constructed three groundwater barriers at the F-Area HWMF. The barriers consisted of ~419.4 linear meters (~1,375 linear feet) of low-permeability wall installed from just below the ground surface to the base of the UAZ. Construction utilized an in-situ soil mixing technique to blend acid resistant pozzolan cement and attapulgite clay with native soils. A small percentage of caustic was also added to the cement to facilitate curing. Upon hardening, the resulting soil/cement mixture formed a low-permeability subsurface barrier ~0.85-m (~2.8-ft) thick on average. Configuration of the engineered barriers is shown in Figure 4.

Figure 4. F-Area HWMF Groundwater Barriers and Potentiometric Surface



Groundwater Contours

- (5 ft intervals) (ft msl)
- Groundwater Flow Direction

Station Type

- Extraction Well
- Injection Well
- Monitoring/Piezometer Well
- Seepline Well
- BASIN CLOSURE BOUNDARY
- BARRIER WALL
- BARRIER WALL EXTENSION
- MAIN/PAVED ROAD
- FACILITY AREA BOUNDARY
- RAILROAD
- SEEPLINE
- STREAM
- OTHER SURFACE FLOW PATTERN
- TOPOGRAPHIC CONTOUR (10 FOOT INTERVAL)

PLANT NORTH TRUE NORTH

N

36 - 22

0 100 200 400 600 800 Feet

0 25 50 100 150 200 Meters

Prepared By: Ashley Shull	
Reviewed By: Kevin Boerstler	
Approved By: Jeffrey Thibault	
Date: April 30, 2013	

GSA Corrective Action Report, Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, F-Area Seepage Basin and F-Area Barrier Walls Third Quarter 2012

GSA Corrective Action Report, Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, F-Area Seepage Basin and F-Area Barrier Walls,Third Quarter 2012

To improve the F-Area HWMF barrier system, in 2011 SRS installed an extension onto the east side of the barriers. The barrier extension is ~350.5-m (~1,150-ft) long and includes a 61-m (200-ft) wide gate with base injection wells at the gate. The barrier is tied-in to the eastern most side of the existing barriers and was constructed using the same soil mixing techniques. The general location of the extension is shown on the plume maps in Volume II and on Figure 4. Figure 4 also shows the potentiometric surface and flow directions for the UAZ.

The barriers function as a funnel and gate system which increases tritium travel time allowing for more radioactive decay and decreasing tritium flux to FMB; and restricts the flow of other constituents to the gates, increasing the effectiveness of in situ treatment. Base injection, iodine treatment (silver chloride injection), and tritium flux reduction are discussed in more detail in Sections 5.1.3.2 through 5.1.3.4.

5.1.3.2 Base Injection

The primary objective of the base injection technology is reducing concentrations of metals and metallic radionuclides in the groundwater. Previous studies and current monitoring demonstrate that adjusting the acidic groundwater plume to neutral or background pH levels results in reduced concentrations of many metals and radionuclides in the groundwater.

In June 2005, SRS started the base injection system for the F-Area HWMF. Per the approved UIC permit, a dilute base solution was injected into the UAZ at the two gate areas located between the groundwater barrier walls (west and central gates). The injected solution consisted of sodium hydroxide and sodium bicarbonate mixed with domestic water to a pH of ~10. The base solution provides treatment of the acidic groundwater at the gates and is an integral component of the groundwater funnel and gate remedial system. The initial injection was completed in 2005.

Since the initial injection in 2005, injections have been performed almost every year either to deliver maintenance doses of base solution or to perform technology evaluations. In

2025, base injection was performed starting in June and continued into September at the central gate. A summary of base injection campaigns at the F-Area HWMF is provided in Table 7.

Construction of the barrier extension in 2011 created the east gate injection area. To date only one injection campaign has been performed in the east gate. From 2012 to 2013, 11,734,780 L (3.1M gal) were injected at the east gate. Since then, SRS has been monitoring groundwater conditions and additional injections of base have not been required at the east gate.

Table 7. F-Area HWMF Base Injection Volumes Injected (million gallons)

Year	West Gate	Central Gate	East Gate[1]	Wetlands	Totals
2005	7.4	5.1	--	--	**12.5**
2006	--	3.6	--	--	**3.6**
2007	5	0.9	--	--	**5.9**
2008	--	3.2	3.8[1]	4.8	**11.8**
2009	0.5	0.5	2.6[1]	13.1	**16.7**
2010	2.8	1.4	--	3.1	**7.3**
2011	--	--	--	1.1	**1.1**
2012	--	--	2.8[1]	3.2	**6.0**
2013	1.9	1.4	0.3[1]	--	**3.6**
2014	--	1.8	--	--	**1.8**
2015	--	--	--	--	--
2016	11.9	5.1	--	5.4	**22.4**
2017	0	0	0	11.5	**11.5**
2018	10.1	8.1	--	--	**18.2**
2019	--	--	--	2.6	**2.6**
2020	--	5.4	--	12.0	**17.4**
2021	10.6	6.9	--	--	**17.5**
2022	--	14.0	--	--	**14.0**
2023	--	7.5	--	--	**7.5**
2024	5.4	6.7	--	--	**12.1**
2025	**--**	**5.1**	**--**	**--**	**5.1**
Totals	**55.6**	**76.7**	**9.5[1]**	**56.8**	**198.6**

1. In 2011, the east gate was renamed from injection wells FIB 27-29 to injection wells FIB 30-34.

The effects of injection vary across each of the injection areas, due to the differences in geochemical conditions and contaminant concentrations within the plumes, groundwater velocity, and proximity of the monitoring wells to the injection galleries. When base is

injected, the portions of the aquifer impacted by the base can be identified by changes in indicator parameters, such as tritium, nitrate, chlorides, conductivity, and pH. Monitoring one or more of these parameters before and after break-through of the injection front demonstrates that movement of the injected solution through the aquifer (from point of injection to the monitoring locations) occurs over a 100–150-day period at the central gate and a 150-200 day period at the western gate.

The base injection has been effective in neutralizing the acidity of the plume to natural pH levels (5.5-6). During a typical injection campaign, groundwater pH in the treatment zone is initially increased to levels approaching the injectate concentration. This serves to alter not only the groundwater chemistry (immediate effect), but also the surfaces of the aquifer sediments such that buffering persists after injection is stopped. Monitoring results reveal that after the initial increase in pH, the groundwater pH remains elevated for some period, due to buffering by the aquifer. This buffering effect persists for ~12 - 18 months at the central gate and ~30-plus months at the west gate. Cationic metals and radionuclides are less mobile at natural pH and once neutral pH levels prevail, there is no need to continue injections.

Base injection has been effective in the in situ precipitation of cationic radionuclides, most evident with strontium-90 and uranium-238. In 2004, before the commencement of base injection, the concentrations of strontium-90 and uranium-238 at well FSB131D directly below the central gate were 68.4 pCi/L and 192 pCi/L, respectively. In 2025, the maximum concentration of strontium-90 decreased to 13.3 pCi/L, demonstrating continued effectiveness of the base injection system. During the first quarter of 2025, uranium-238 at FSB 131D measured 1.27 pCi/L; however, the third quarter sample measured 363 pCi/L. The third quarter sample was collected while the base injection system was actively operating. The base solution temporarily alters groundwater chemistry and movement in the immediate treatment zone, and samples taken during injection may not be representative of normal groundwater conditions. The elevated third quarter result is therefore interpreted as a short term effect of sampling during active injection rather than a change in long term plume behavior. Sampling completed during the first quarter of 2026

measured uranium-238 at 0.145 pCi/L at FSB 131D, confirming that concentrations returned to expected levels when injection activities were not underway.

In addition to the lower concentrations downgradient of the base injection system, higher concentrations of each constituent are present directly upgradient of the injection system, further demonstrating the effectiveness of the system. Concentrations at well FSB126D were 123 pCi/L and 121 pCi/L for strontium-90 and uranium-238, respectively, indicating that both radionuclides are precipitating as the plume flows through the base injection area. This effect is also evident in the plume map for strontium-90 (Map 4A, Volume II) and uranium-238 (Map 7A, Volume II), where an area of cleaner water exists down gradient of the injection area. The precipitation of these cationic metals and radionuclides has allowed concentrations of these constituents in FMB to fall below their respective GWPS, as well as reducing the concentration of these constituents in the seepline surface water and groundwater. The continued use of the system will ensure concentrations remain below the GWPS in FMB (Phase 2a goal) and continue to reduce the concentrations of cations in the seepline surface water (Phase 2b goal) and in the groundwater at the F-Area HWMF.

The engineered barriers and base injections continue to reduce concentrations of cations and metallic radionuclides down gradient of the injection areas and in the seeplines. Although concentrations of many constituents are now below GWPS limits in surface water at the seepline, some constituents are still above GWPS limits. To facilitate meeting corrective action goals, SRS is investigating potential amendments that could be used in the seepline to immobilize contaminants in situ prior to discharging to surface water. In 2019, SRS tested ten materials in the laboratory for potential use as amendments in the seepline. The laboratory studies identified at least three materials that warrant further study. In 2020, SRS executed additional laboratory testing and developed a field study plan to evaluate individually the effectiveness of the materials in a system representing the in situ groundwater conditions along the FMB seepline. In 2021, SRS executed field testing of four potential amendments: a porous iron composite material, a zero valent iron material, a granular activated carbon (GAC) material, and a zero valent iron and GAC mixture. Each of the sorbent materials was tested individually over a two-week period by

pumping groundwater from a piezometer with known contamination through a flow cell filled with the sorbent material. During the testing of each sorbent material, samples were taken of the groundwater before flowing through the flow cell containing the sorbent and after flowing through the sorbent. The canisters containing the sorbent material were also sent to the lab for analysis. Field tests for two mixtures of test sorbents were executed early in 2022.

The field testing utilized groundwater pumped directly from a well with an average iodine-129 concentration of 32.3 pCi/L. The experiments were designed to simulate the conditions of a permeable reactive barrier. In the initial field study, the most effective sorbent was GAC. The GAC achieved an average of 76.2% removal of the iodine present in the groundwater and reached a minimum concentration of 0.1 pCi/L after the water passed through the sorbent material. A commercial sorbent (RED) that contained a mixture of GAC and iron-based material removed on average 61.3% of the iodine and reached a minimum concentration of 9.34 pCi/L. However, for both sorbents the iodine concentration in the effluent increased over time during the experiments. Additional experimentation is needed to determine if the implementation of these sorbents could be adjusted to increase iodine sorption to achieve and maintain the GWPS of 1 pCi/L. Another type of sorbent or a combination of more than one sorbent may be necessary to effectively sorb iodine-129, especially considering the complex speciation chemistry of iodine. SRS plans to continue studying the GAC and RED materials along with innovative biochar and organoclay materials. Recent literature suggests new sorbents like biochars, organoclays, and similar organic-based materials show significant promise for attenuating iodine. If the additional studies identify promising amendments for a treatability study, one would be proposed at that time. SRS will continue to implement base injection and silver chloride injection at F-Area HWMF as needed per the approved CAP while evaluating the potential use of amendments to assist with achieving corrective action goals at the seeplines of FMB.

5.1.3.3 Iodine Treatment

In 2009, a treatment pilot study was initiated to evaluate the removal of iodine-129 by the injection of silver chloride into the plume. Ultra-fine ground silver chloride particles were mixed with domestic water to form an aqueous suspension and then injected into the water table using wells FIB27R, FIB-28R, and FIB29R. Approximately 4,277,515 L (~1.13M gal) of suspension (45.4 kilograms [kg] 100 pounds [lb] of silver chloride) were injected. The pilot test demonstrated that a suspension of silver chloride could successfully be dispersed in the aquifer and that silver chloride could reduce the concentration of iodine-129. Levels of iodine-129 were reduced between 55 and 70%.

In 2011, SRS expanded use of the technology at the central gate under a Temporary Authorization. Silver chloride was injected into the UAZ using seven cone penetrometer technology (CPT) installed injection points. Depth discrete placement of the amendment with the CPT rig was used to achieve better distribution in the subsurface versus the traditional wells used in the 2009 pilot study. The injections established a treatment zone from approximately 7.6- to 15.2-m (25- to 50-ft) below ground surface (bgs), from the top of the water table down to the tan clay confining zone. Overall, 291,143.6 L (76,912 gal) were injected across the seven locations. This equates to ~29 kg (~64 lb) of metallic silver placed into the subsurface.

SRS evaluated the effectiveness of the treatment zone at the central gate on iodine-129. A reduction of iodine-129 was observed in two of the monitoring wells (FSB130D and FIT14) closest to the injection zone. The degree of reduction due to the silver chloride ranged from 50 to 75%. The monitoring data also demonstrated that the silver chloride particles do not migrate a significant distance away from the treatment zone. Data from monitoring wells located further from the injection zone were ambiguous due to changing hydrology (and plume movement) through the central gate resulting from installation of an extension to the adjacent groundwater barriers a few months before the injection. Due to shifting groundwater flow, iodine-129 increased at one of the monitoring wells. This indicated a need for additional treatment of iodine-129 at other areas within the central gate.

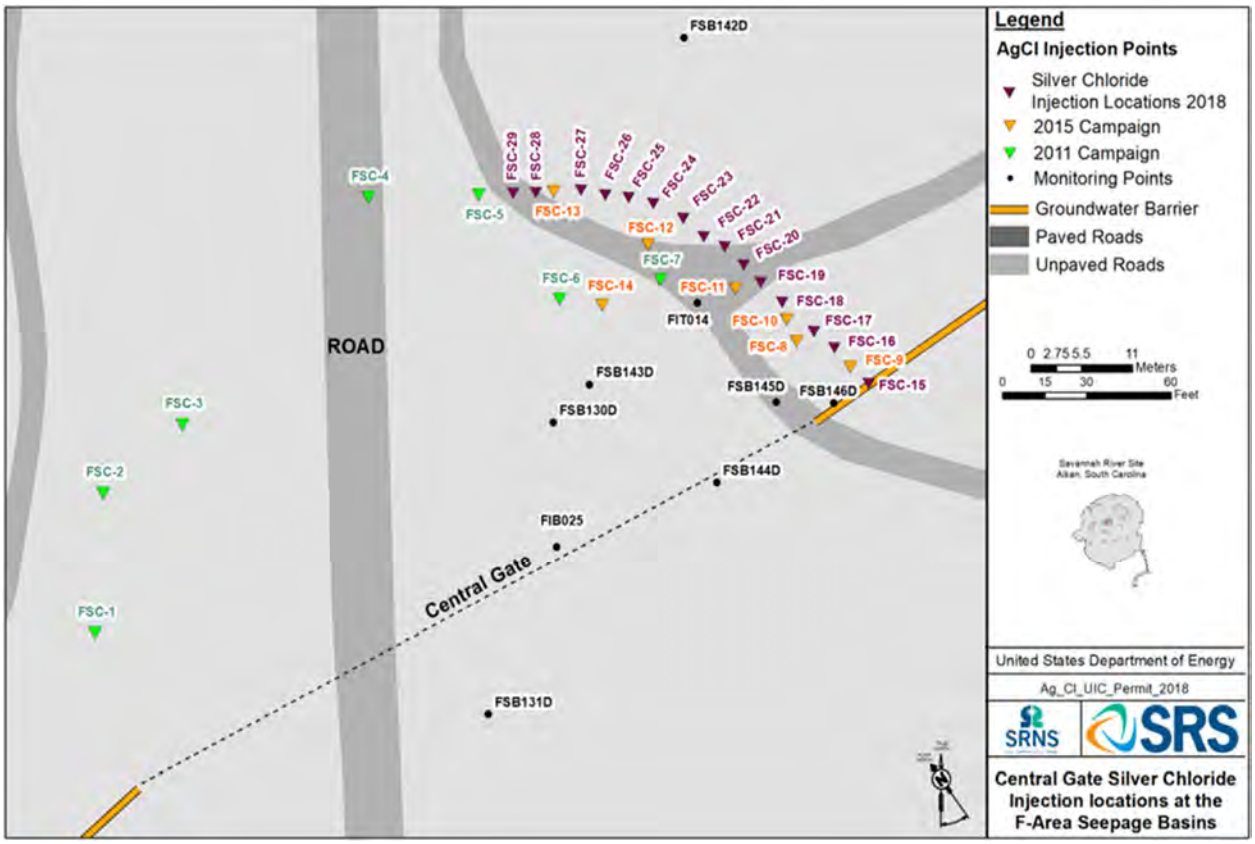


Figure 5. F-Area HWMF Silver Chloride Injection Layout

Based on this first deployment of silver chloride at the central gate, SRS concluded that 1) silver chloride effectively sequesters iodine-129 in situ, 2) the silver chloride particles do not migrate a significant distance away from the treatment zone, 3) the barrier extension improved control of the plume (increased water volumes and contaminant mass going through the central gate), and 4) additional silver chloride is needed at the central gate to establish a more effective treatment zone for iodine-129.

In 2015, SRS completed a second round of injections in the central gate to boost treatment effectiveness. Using seven temporary CPT injection points, SRS injected 364.9 L (96.4 gal) of silver chloride concentrate into the UAZ on the eastern side of the central gate. Including the water used to inject the material, a total of 362,642.4 L (95,800 gal) was injected. Based on the monitoring data collected, a reduction of iodine-129 has been observed in wells near the injection locations. Specifically, wells FSB 131D, FSB 143D, FSB 144D, FSB 145D, FIT 14, and FIB 26 measured lower concentrations of iodine-129 following the injection of silver chloride. The degree of reduction ranged from 25% to 65%. There was no change in iodine-129 at the up-gradient well FSB 142D.

In 2018, a UIC Permit was approved for the third deployment of silver chloride at the F-Area HWMF. This deployment of silver chloride was again placed at the central gate with the intent of augmenting previous silver chloride injections and increase robustness through further development of a permeable in situ treatment zone of silver chloride reactive particles along the eastern half of the central gate, where the majority of the iodine-129 flux occurs. A total of 15 uniformly spaced direct-push injection points were used to inject 624.6 L (165 gal) of concentrated silver chloride. The spacing between the injection points for this injection campaign was based on an expected distribution of silver chloride particles between 1.2 to 2.4 m (4 to 8 ft) from the injection location. Injections for the third deployment of silver chloride began in September 2018 and were completed in May 2019. The injection locations are shown on Figure 5.

In 2019, SRS executed a strategy to assess the distribution of silver chloride particles in the subsurface resulting from the 2019 injections. To assess the distribution, 10.2-cm (4-in.) diameter soil cores were collected from the injection zone at four locations along a transect extending upgradient away from one of the 2019 injection locations (FSC-24). Cores were collected at distances of 0.46-m (1.5-ft), 1.2-m (4-ft), 2.4-m (8 ft), and 4.6-m (15-ft) stepping away from the location where silver chloride was injected at FSC-24. Intervals of the core were identified in the field to be sampled and analyzed for silver to assess the distribution of silver chloride in the subsurface after injection. Results from the sampling showed the majority of the injected silver is located within 0.46 m (1.5 ft) of the injection location and within the top of the injection zone (11- to 12-m [36- to 40-ft]) bgs and the bottom of the injection zone (15.2- to 18.3-m [50- to 60-ft] bgs). Very little silver was detected from 12.5- to 16.8-m (41- to 55-ft) bgs. This is likely due to heterogeneity of geology in the area. An estimated 54% of the silver injected remained within 1.2 m (4 ft) of the injection zone, but an estimated 22% of the silver injected was located between 1.2 and 2.1 m (4 and 7.4 ft) from the injection zone. Silver was not detected in a significant number of samples from the core located 4.6 m (15 ft) from the injection location. Results from the study show that the silver chloride is being distributed between 1 and ~2.4 m (8 ft) from the injection locations which is consistent with the design spacing of injection locations used in the 2018-2019 campaign.

Iodine-129 remains the only constituent consistently greater than the GWPS (other than tritium) in FMB (Phase 2b F-Area HWMF Corrective Action Goal). The 2021 modifications to the Permit revised the corrective action goal date to reduce the concentration of iodine-129 in FMB to levels that are less than the GWPS to January 14, 2032 (note: the Permit includes an agreed-to-understanding with SCDES that SRS may request an extension to this date as part of the permit renewal process, e.g., in the event SRS needs additional time for its remedial technologies to work to achieve remedial goals). SRS is implementing silver chloride technology to reduce the concentration of iodine-129 in groundwater at F-Area HWMF and in FMB and continues to evaluate the need for additional silver chloride injection(s) in the future.

5.1.3.4 Tritium Flux

Overall, the flux of tritium to FMB from F-Area HWMF has been declining since 2003. Flux is calculated from the monthly paired tritium concentration and flow measurements at strategic locations (to isolate sources) within FMB. The monthly fluxes are then averaged over a 1-year period to account for seasonal variability. The total tritium flux to FMB from F-Area HWMF for calendar year 2025 was 47 curies per year (Ci/yr), a reduction of ~92% compared to the baseline flux in 2000 (660 Ci/yr in 2000 versus 47 Ci/yr in 2025). A combination of radioactive decay, increased travel times, the presence of subsurface barriers, and the presence of the F-Area HWMF cap likely contributed to this decrease in flux. The annual flux from the F-Area HWMF to FMB since 2003 is tabulated in Table 8.

Table 8. F-Area HWMF Annual Tritium Flux to FMB

Year	Tritium Flux *(Ci/yr)*	Reduction*
2000	660	NA
2003	352	47%
2004	352	47%
2005	254	61%
2006	177	73%
2007	173	74%
2008	168	74%
2009	115	82%
2010	240	64%
2011	117	82%
2012	141	79%
2013	243	63%
2014	256	61%
2015	195	70%
2016	187	72%
2017	146	78%
2018	133	80%
2019	122	81%
2020	159	76%
2021	106	84%
2022	88	87%
2023	60	91%
2024	97	85%
2025	47	92%

*Percent reduction from baseline established in year 2000.

5.1.4 Status of Technology Demonstration

The Savannah River National Laboratory (SRNL) along with the Pacific Northwest National Laboratory (PNNL) is performing a technology demonstration for the United States Department of Energy (USDOE) at the F-Area HWMF beginning in calendar year 2022 with ~5 years of data collection. This technology demonstration will evaluate the application and feasibility of Electrical Resistivity Tomography (ERT) as a monitoring technology for capped waste units and its potential application elsewhere within the USDOE complex. The purpose of the study is to evaluate the application of ERT as a non-intrusive, long-term monitoring technology of the RCRA cover system performance. ERT is a geophysical measurement tool that can image the electrical conductivity distribution of the subsurface. For this application, ERT is used to monitor subsurface electrical conductivity to identify areas where soil moisture is changing beneath the cap's low-permeability clay layer. The images taken of soil moisture content over an estimated 5-year study period can be compared and used to diagnose anomalous conditions such as a breach or failure of the low-permeability layer of the cap system. The ERT system was installed in July 2022 and consists of 8 shallow trenches that were created across the cap to bury the cables containing 128 electrodes into the top 15.2 cm (6 in.) of soil. The system covers the north end of Basin F-3. The electrodes are installed in the topsoil layer and do not penetrate the much deeper drainage layer and protective barrier that begins at 61-cm (24-in.) below the surface.

The collection of ERT measurements began on September 28, 2022. Changes in soil moisture beneath the clay cap are investigated by collecting time-lapse measurements of bulk soil conductivity using the ERT system. An ERT measurement is collected by inducing current flow between two electrodes and measuring the resulting voltage across a separate pair of electrodes, with many such measurements collected during an individual survey to produce a subsurface conductivity image. The initial survey consisted of 9,195 individual measurements, which required approximately one hour to complete. The initial survey on September 28, 2022, is considered the baseline survey. Subsequent surveys will be compared to the baseline survey to identify changes in soil bulk electrical conductivity

beneath the clay cap, which are anticipated to be governed by precipitation-driven changes in moisture content. Thus, ERT imaging provides a means to detect changes in moisture content of soils beneath the clay cap. ERT measurements are planned to continue over the estimated 5-year period, and the resulting data will be reviewed to evaluate long-term moisture trends and assess overall performance of the cap.

5.2 H-Area HWMF Corrective Action Program

The current corrective action for the H-Area HWMF includes an engineered low-permeability cap over the seepage basins, an engineered groundwater barrier system and a base injection system in the wetlands of FMB.

SRS completed installation of the engineered groundwater barriers at H Area in 2004. The groundwater barriers are the replacement remedial action for the groundwater pump and treat system. The engineered barriers were designed to reduce the flow of groundwater through the residual contamination beneath the waste unit in order to better manage tritium and metal releases to surface waters. Upon installation of the barriers, the water levels adjacent to the walls changed as the groundwater flow patterns adjusted. Groundwater levels on the up-gradient side of the walls increased, levels down gradient of the walls decreased, and the horizontal gradient beneath the waste unit flattened.

SRS constructed a base injection system at H Area in 2010 to augment the remedial action. The injection system provides treatment for the acidic plume and metals within the wetlands prior to groundwater discharging to FMB. Initial operations began in September 2010 and were completed in June 2013. A second injection campaign began in July 2019 and was completed in May 2020.

5.2.1 Surface Water Monitoring at the Seeplines

SRS has five surface water monitoring stations within the seeplines below the closed H-Area Seepage Basins. These monitoring stations support corrective action effectiveness determinations for the Phase 2b corrective action goals of the Permit.

Similar to the monitoring strategy used for surface water in FMB and the wetland piezometers, during the third quarter of each year, the seepline surface water stations are analyzed for the full suite of GWPS constituents. During the remaining quarters, the stations are analyzed for a reduced suite of GWPS constituents determined based on the analytes detected above the GWPS during the full suite sampling event. If a constituent is not detected during the third quarter sampling event, it is excluded from further analyses during the remaining quarters. However, gross alpha, nonvolatile beta, tritium, nitrate-nitrite, and mercury are sampled during all quarterly events. The sample results are presented in Appendix B, Table B-4, Volume I, and the locations are shown on Map 1A, Volume II.

In 2025 at the H Area seepline (Phase 2b corrective action goals), four of the five seepline surface water locations were sampled. Location HAS-113 was dry during each quarterly sampling event and HAS-107 was dry during the third and fourth quarters. Cobalt, iodine-129, gross alpha, nonvolatile beta, radium-226, strontium-90, and tritium exceeded the GWPS in surface water at the seepline. Beryllium, cadmium, lead, mercury, cobalt-60, nickel-63, and radium-228 also exceeded the GWPS but in samples with elevated turbidity (greater than 400 NTUs) and appear to be artifacts of the high particulate content in the samples. Elevated turbidity is common at these seepline surface water locations because the seeps receive varying amounts of water throughout the year and can experience very low flow or dry conditions. When the flow is low, it is difficult to collect surface water without also capturing particulate matter.

Iodine-129, strontium-90, and tritium were the most widespread constituents in surface water at the wetlands, exceeding the GWPS at the four locations that were able to be sampled in 2025. The maximum concentrations of iodine-129 (11.7 pCi/L) and strontium-90 (777 pCi/L) were measured at HAS-103. Strontium-90 exceeded the GWPS at HAS-103 during every quarter but was notably elevated in the third quarter (777 pCi/L), likely due to the sample's elevated turbidity (1000 NTUs). The next highest concentration of strontium-90 at HAS-103 was 198 pCi/L. The maximum tritium concentration (151 pCi/mL) was measured at HAS-106. Although iodine-129 and stromtium-90 exceeded the

GWPS at the seepline, both constituents were below the GWPS in FMB surface water adjacent to the H-Area HWMF.

5.2.2 Effectiveness of the H-Area HWMF Corrective Action Program (IVC.B.11.b.x)

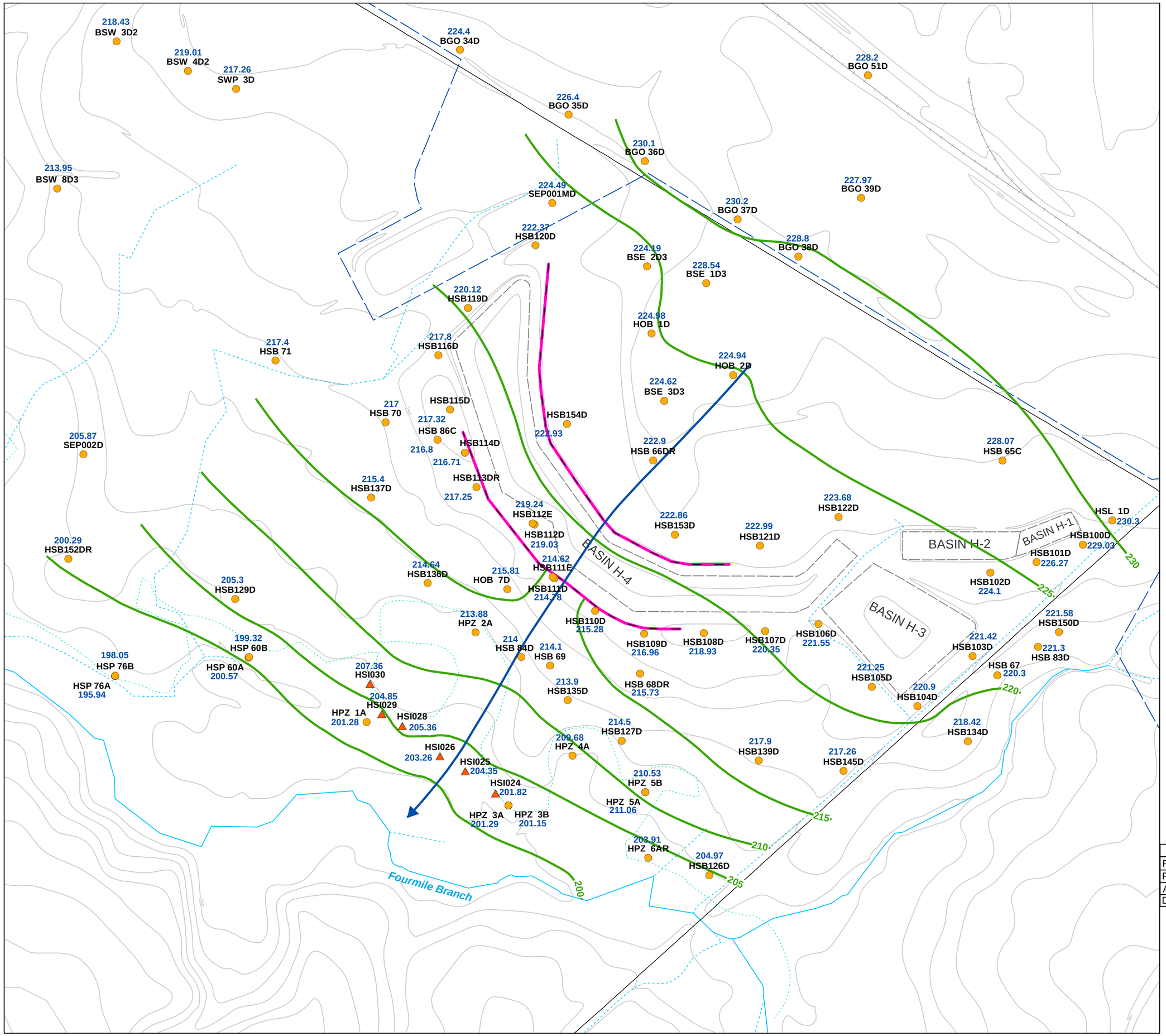
5.2.2.1 Groundwater Barriers

In 2004, SRS installed two groundwater barriers at the H-Area HWMF. One barrier was placed up gradient of Basin H-4 and a second barrier was placed down gradient of the basin. Approximately 963.2 linear meters (~3,160 linear feet) of low-permeability walls were installed from just below the ground surface to the base of the UAZ. Construction utilized an in-situ soil mixing technique to blend pozzolan cement and attapulgite clay with native soils. A small percentage of caustic was also added to the cement to facilitate curing. Upon hardening, the resulting soil/cement mixture formed a low-permeability subsurface barrier ~0.85-m (~2.8-ft) thick on average. Configuration of the engineered barriers is shown on the plume maps in Volume II and on Figure 6.

Placement of the barriers altered groundwater levels near the walls. After installation of the barriers, water levels on the up-gradient side increased between 0.9 to 1.8 m (3 to 6 ft). Water levels down gradient of the barriers declined 0.3 to 0.6 m (1 to 2 ft).

Installation of the barriers has resulted in a flattening of the water table on the up gradient and down gradient sides. As water backs up behind the barriers, the head level rises, resulting in a smaller horizontal flow gradient. Due to lower gradients, groundwater travel times at the seepage basins have increased, resulting in reduced transport of contamination to surface water and seeplines, and added time for radioactive decay. Figure 6 shows the potentiometric surface for the UAZ.

Figure 6. H-Area HWMF Groundwater Barriers and Potentiometric Surface



Groundwater Contours

(5 ft intervals) (ft msl)

Groundwater Flow Direction

Station Type

Extraction Well

Injection Well

Monitoring/Piezometer Well

Seepline Well

Groundwater Contours

Type

(5 ft intervals) (ft msl)

Groundwater Flow Direction

BASIN CLOSURE BOUNDARY

BARRIER WALL

BARRIER WALL EXTENSION

MAIN/PAVED ROAD

FACILITY AREA BOUNDARY

RAILROAD

SEEPLINE

STREAM

OTHER SURFACE FLOW PATTERN

TOPOGRAPHIC CONTOUR (10 FOOT INTERVAL)

PLANT NORTH

TRUE NORTH

N

36 22

0 100 200 400 600 800 Feet

0 25 50 100 150 200 Meters

Prepared By: Ashley Shull

Reviewed By: Kevin Boerstler

Approved By: Jeffrey Thibault

Date: April 30, 2013

GSA Corrective Action Report, Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, H-Area Seepage Basin and H-Area Barrier Walls Third Quarter 2012

GSA Corrective Action Report, Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, H-Area Seepage Basin and H-Area Barrier Walls,Third Quarter 2012

5.2.2.2 Base Injection

In 2010, SRS constructed and commenced operations of a base injection system at the H-Area HWMF. The primary objective of the base injection technology at H Area is to reduce concentrations of metals and metallic radionuclides in the groundwater beneath the wetlands of FMB. Previous injections at the F-Area HWMF demonstrated that adjusting the acidic groundwater plume to neutral or background pH levels results in reduced concentrations of many metals and metallic radionuclides.

The injected solution consists of sodium hydroxide and sodium bicarbonate mixed with domestic water to a pH of ~10. The base solution provides treatment of the acidic groundwater beneath the wetlands and is an integral component of the groundwater barrier remedial system.

SRS routinely monitors the effects of base injection and evaluates the need for additional base. The previous injection campaign at H Area began in July 2019 and was completed in May 2020. At H Area, operation of the base injection system was not required during 2025 (Table 9). Adjustment of pH has been achieved locally at H Area and SRS is observing the effects of the base injection prior to potentially injecting additional base. Since 2011, SRS has injected ~227,881,800 L (~60.2M gal) of base solution at H Area.

The engineered barriers and base injections continue to reduce concentrations of cations and metallic radionuclides down gradient of the injection areas in the seeplines. Although concentrations of many constituents are now below GWPS limits in surface water at the seepline, some constituents are still above GWPS limits. To facilitate meeting the corrective action goals at the H-Area HWMF, SRS is investigating potential mineral amendments that could be used in the seepline to immobilize contaminants in situ prior to discharging to surface water. See discussion in Section 5.1.3.2 for information on the amendment studies. If the studies identify promising amendments for a treatability study, one would be proposed at that time. SRS will continue to implement base injection per the approved corrective action plan while evaluating the potential use of amendments to assist with achieving corrective action goals at the seeplines of FMB.

Table 9. H-Area Base Injection Flow Rate 2025

Well	January		February		March		April		May		June		July		August		September		October		November		December		12-month Well Volume
	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	Tot	Avg	
Number	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal	gpm	gal
HSI-001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
HSI-030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Monthly Volume	0		0		0	0	0		0		0		0		0		0		0		0		0		0

5.2.2.3 Tritium Flux

Overall, the flux of tritium to FMB from H-Area HWMF has been declining. Flux from H-Area HWMF to FMB is calculated in the same way as F-Area HWMF, i.e., from the monthly paired tritium concentration and flow measurements at strategic locations (to isolate sources) within FMB since 2003. The monthly fluxes are averaged over the period of a year to account for seasonal variability. The total tritium flux to FMB from H-Area HWMF for calendar year 2025 was ~18 Ci/yr, a reduction of ~92% compared to the baseline flux in 2000 (240 Ci/yr in 2000 versus 18 Ci/yr in 2025). A combination of radioactive decay, increased travel times, the presence of subsurface barriers, and the presence of the H-Area HWMF and ORWBG caps likely contributed to this decrease in flux. The annual flux from the H-Area HWMF to FMB since 2003 is tabulated in Table 10.

Table 10. H-Area HWMF Annual Tritium Flux to FMB

Year	Tritium Flux *(Ci/yr)*	Reduction*
2000	240	NA
2003	221	8%
2004	147	39%
2005	114	52%
2006	116	52%
2007	81	66%
2008	90	62%
2009	67	72%
2010	50	79%
2011	56	77%
2012	44	82%
2013	50	79%
2014	52	78%
2015	54	77%
2016	42	82%
2017	41	83%
2018	39	83%
2019	42	82%
2020	49	80%
2021	34	86%
2022	19	92%
2023	27	89%
2024	23	90%
2025	18	92%

*Percent reduction from baseline established in year 2000.

5.3 Description of the MWMF Corrective Action Program

In accordance with the agreement with the SCDES, each of the four plume areas are addressed under separate corrective actions.

SWP

The SWP is the area to the south of the western section of the ORWBG. This plume extends from the ORWBG to FMB, with the primary contaminants consisting of tritium, TCE, and 1,4-dioxane. These groundwater contaminants are currently discharging to the surface at a natural seepage area north of FMB at the OFED.

On September 12, 2023, SRS submitted the revision 0 permit renewal application for the MWMF. In October 2025, the 2023 RCRA Permit Renewal was issued to SRS with an effective date of October 27, 2025. The 2023 permit renewal application (Revison 1) is the current CAP for the SWP.

The SWP CAP is in Phase 1 with the following objectives:

- reduction of tritium flux from the SWP Area to FMB by 70% using phytoremediation and natural attenuation (radioactive decay)
- reduction of volatile organic compound (cVOC) and 1,4-dioxane concentrations using phytoremediation and natural attenuation
- natural attenuation for mercury
- minimization of human exposure to constituents of concern in the SWP area using institutional controls (e.g., restricted access to the general public)

The potential for human exposure to contaminated groundwater and seepline areas in the SWP is managed to prevent exposure of on-site workers during sampling activities. These exposures are mitigated through the use of personal protective equipment and routine training regarding the handling of contaminated sample media. Unauthorized access to seepline areas by on-site workers is restricted through the Site Use/Site Clearance Program. SRS restricts access to the general public and trespassers using security procedures and equipment, 24-hour surveillance systems, artificial and natural boundaries, control entry systems, and warning signs in place at the SRS boundary.

In 2004, mercury was detected in one POC well (BGO 33C) with values near the GWPS (2 ug/L). Consequently, mercury has been added to the GWPS for the SWP, and passive natural attenuation was selected as the remedial component for mercury in the UAZ and LAZ.

The installation of a low-permeability cap at the ORWBG was completed, in accordance with the GSACU signed ROD, in 2007. The Revision 1 PCR/CMIR/RACR was approved by the USEPA on May 21, 2008, and the SCDES on May 22, 2008, respectively. Final USEPA concurrence was received on June 25, 2008. The low-permeability cap is designed

to provide source control for the SWP mercury plume and other constituents (iodine-129, technetium-99, 1,4-dioxane), by reducing infiltration and flux to the groundwater.

SRS monitored the BSW, BGO, and SWP wells for mercury to better determine plume attenuation. Historically, sample results have shown mercury concentrations above the GWPS in the proximal and central areas of the plume. However, mercury is not affecting the pond (< method detection limit [0.02 ug/L]). The majority of exceedances have occurred in the LAZ of the UTRA. In 2025, mercury in the SWP was below the GWPS, with a maximum concentration of 1.6 ug/L at BGO 30D. During a detailed evaluation of mercury in 2005, there were no exceedances of mercury in filtered or unfiltered samples in the LAZ or the UAZ of the UTRA at the distal portion of the SWP near FMB, which indicates significant mercury attenuation (Figure 7).

SRS will continue to monitor the natural attenuation of mercury in the SWP, and the benefit achieved by installation of a low-permeability cap on the ORWBG.

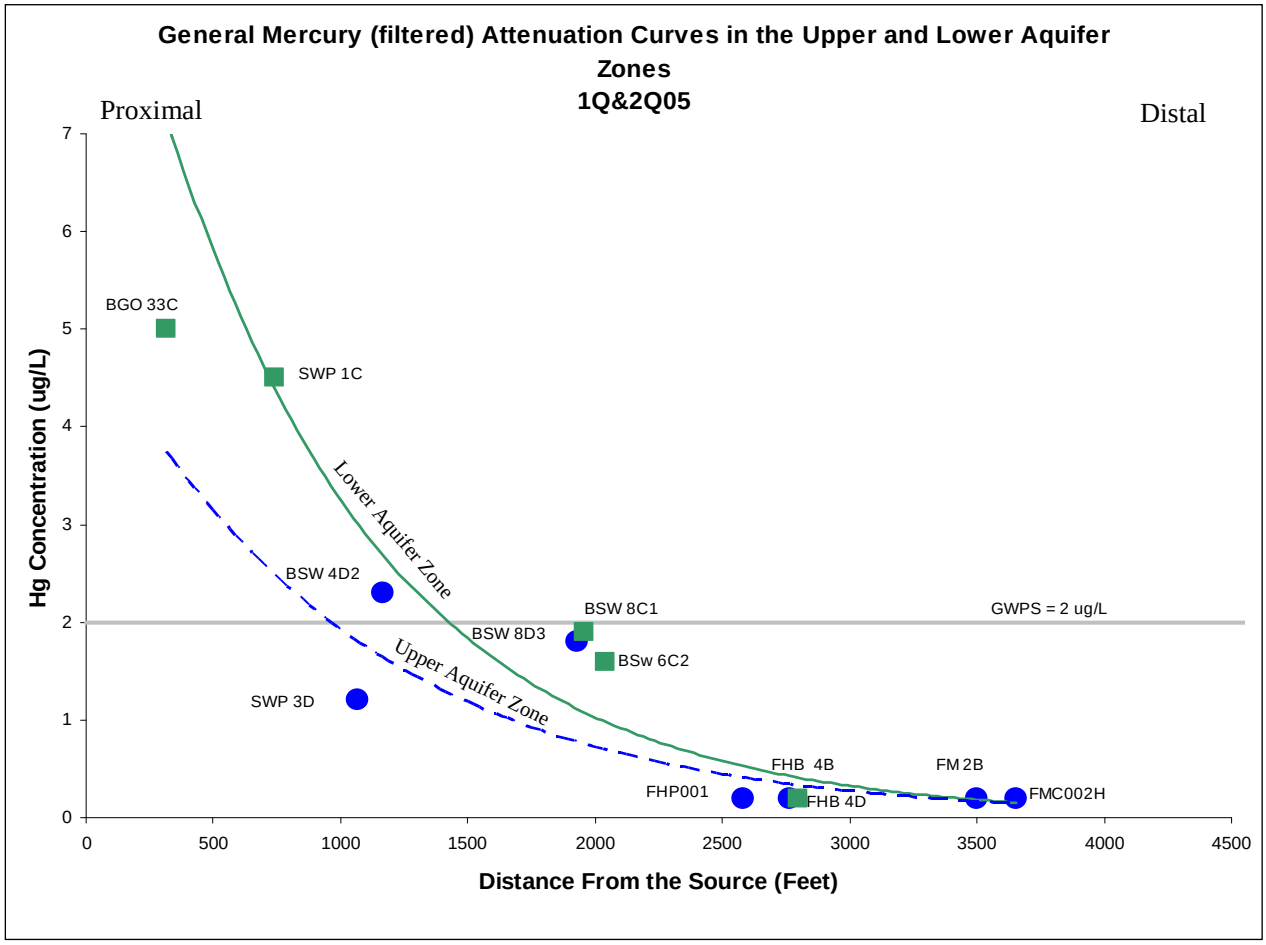


Figure 7. MWMF General Mercury Attenuation Curves (UAZ and LAZ)

SEP

The SEP is the area to the south of the eastern section of the ORWBG. This plume extends from the ORWBG and comingles with the H-Area HWMF plume. The primary contaminants include tritium and TCE. On September 12, 2023, SRS submitted the revision 0 permit renewal application for the MWMF. In October 2025, the 2023 RCRA Permit Renewal was issued to SRS with an effective date of October 27, 2025. The 2023 permit renewal application (Revison 1) is the current CAP for the SEP.

The SEP CAP is in Phase 1 and includes the following main objectives:

- reduction of cVOC and tritium (radioactive decay) concentrations using natural attenuation

To achieve these objectives, the following actions have been defined in the Corrective Action Program:

- low permeability cap over the ORWBG (source control)
- passive natural attenuation of cVOCs and tritium in the original SEP area within the LAZ sourced near monitoring wells BGO-36, BGO-37, and BGO-38

The CAP also includes a contingent corrective action (e.g., a reactive zone composed of edible oil) to be implemented in the LAZ (near the POC) to degrade cVOCs. This will be implemented if cVOC concentrations reach unacceptable levels in monitoring wells BGO-35C, BGO-49C, and HIW-5MC. Levels would be unacceptable when cVOC releases have the potential to impact surface water in FMB (greater than the MCL) or create a large high concentration plume. SRS will evaluate the need to implement this contingency remedy if concentrations of TCE in wells exceed 1,000 ug/L in the vicinity of the SEP.

The SEP is located immediately up gradient of the H-Area HWMF. Prior to the H Area WTU injection operations, the tritium concentrations in the UAZ of the UTRA were slightly above the GWPS with a maximum concentration of ~43 pCi/mL. Hot spots in the LAZ of the UTRA were present in 1997 and ranged from 200 pCi/mL to 260,000 pCi/mL (BGO 37C) (Figure 8). Operation of the H Area WTU injection wells between 1997 and

2003 has influenced the tritium concentrations in the SEP, as documented in previous CARs.

Since the 1990s, tritium concentrations have decreased significantly near the source (ORWBG) in the LAZ of the UTRA. However, the concentrations remain above the GWPS. In 2009, tritium at well BGO 37C was 19,100 pCi/mL. The concentration at this well continues to be relatively high (7,390 pCi/mL and 6,150 pCi/mL during the first and third quarter of 2025, respectively) but appears to have stabilized and has followed an overall decreasing trend since 2013. Tritium in the LAZ at the edge of the ORWBG increased temporarily following construction of the low-permeability cap. The rise in concentration is believed to be due to the reduction in recharge due to the cap, and in previous years, to the lower-than-normal precipitation pattern. Reduced recharge of the LAZ beneath the cap can result in higher concentrations because there is less dilution. Along with reduced recharge, the cap is expected to reduce the migration of contamination from the buried waste to the groundwater. The tritium concentrations in well BGO 37C have decreased with time as shown in the time series plots in Appendix E.

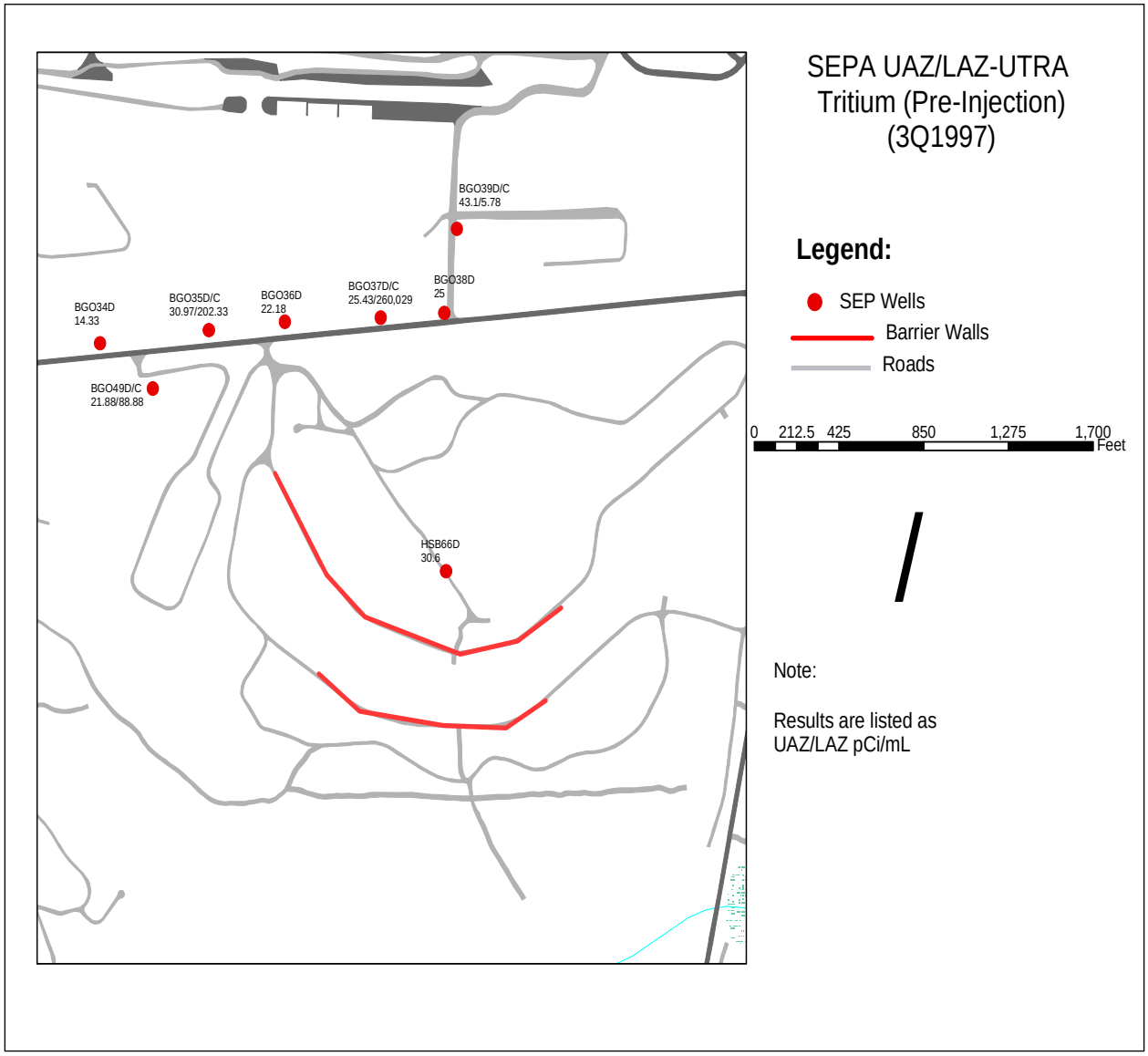


Figure 8. MWMF Southeast Plume Area (UAZ/LAZ-UTRA) Tritium Concentration Pre-Injections

Down gradient from the ORWBG at assessment wells in the LAZ (close to BGO 37C and the LAZ plume from the H Area WTU injection), tritium concentrations ranged from 750 pCi/mL at BSE 2CR1 to 3,650 pCi/mL at HIW 5MC1 in 2005. The 2025 results at HIW 5MC1 (661 pCi/mL) show that concentrations at this well have decreased over time. Concentrations at BSE 2CR1 have increased with time and in 2025 was 3,010 pCi/mL. However, the assessment monitoring well that is further down gradient of the injection plume (HSB 154C) continues to be low in concentration (417 pCi/mL) relative to concentrations closer to the ORWBG (7,390 pCi/mL at BGO 37C), thus demonstrating the slow travel time in the LAZ as determined in 2005 (Figure 9).

The original CAP was submitted for the tritium in the SEP in Revision 6 of the 2000 Part B Renewal Application. The CAP assumed that the SEP tritium would be captured by the H Area WTU extraction well network (hydraulic control). However, the H Area WTU was placed in dry lay-up during October 2003 and has been replaced by a subsurface barrier system immediately up gradient and down gradient of Seepage Basin H-4 and extending down through the UAZ of the UTRA to the Tan Clay Confining Zone. The barriers will have no effect on the LAZ of the UTRA. However, the engineered barrier will create a longer flow path allowing more time for tritium decay in the UAZ of the UTRA between the SEP and FMB. The travel time from the SEP to FMB in the LAZ of the UTRA is naturally slower than the UAZ, due to the low aquifer hydraulic conductivity. This allows for considerable tritium decay in the LAZ. Estimates indicate that the travel time in the LAZ of the UTRA will allow for eight to ten half-lives, thereby reducing a concentration of 7,350 pCi/mL to 7.2 pCi/mL (Figure 10).

Construction of the low-permeability cap at the ORWBG was completed in accordance with the GSACU signed ROD. The cap is designed to reduce infiltration and tritium flux in the SEP. SRS believes that radioactive decay along with the long travel time and the source control for the ORWBG will be sufficient to manage the tritium releases associated with the SEP and that natural attenuation with monitoring is an effective remedy. SRS will continue to monitor tritium in the SEP to verify the benefit achieved by installation of the H Area groundwater barrier and a low-permeability cap on the ORWBG.

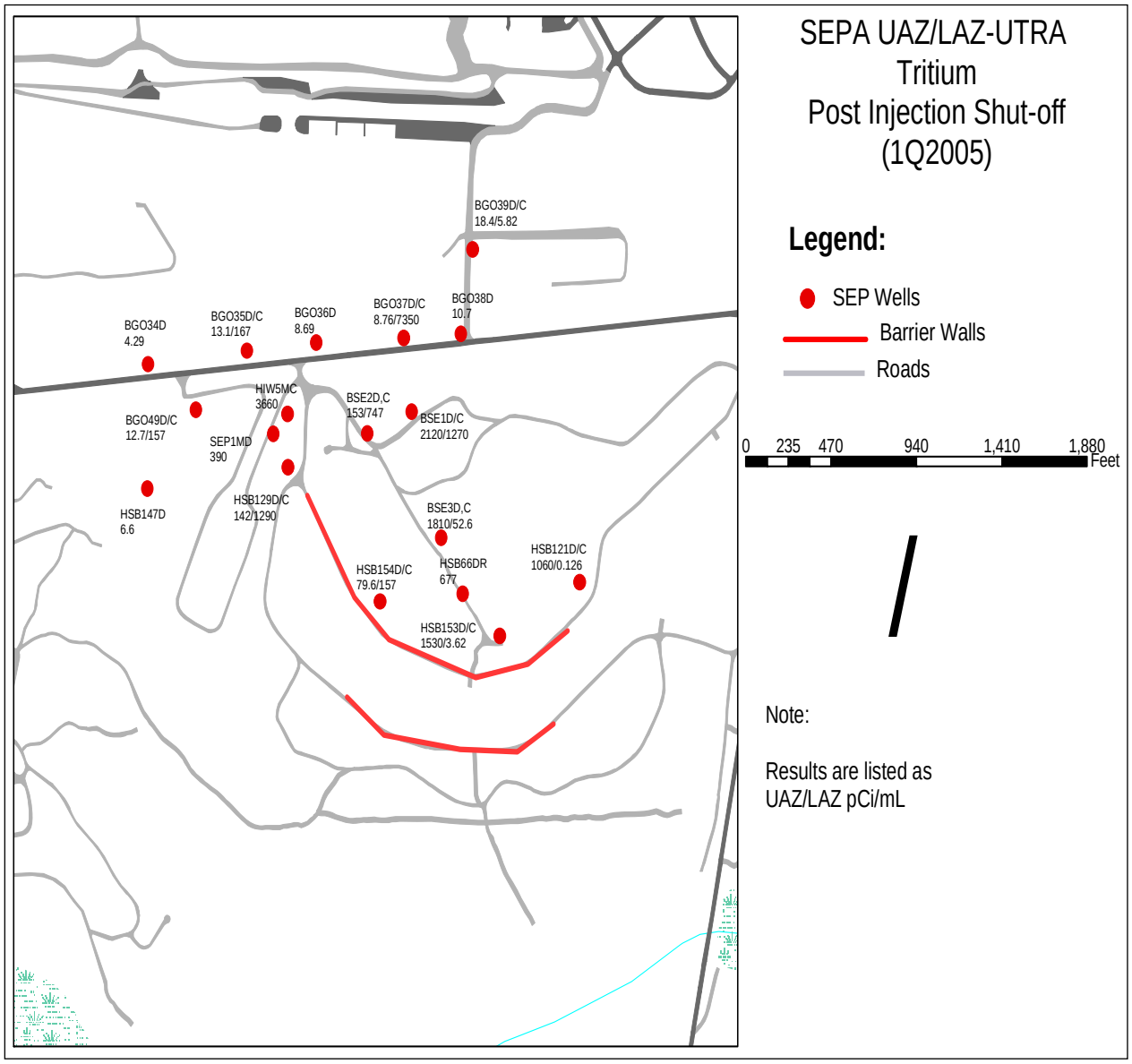


Figure 9. MWMF Southeast Plume Area (UAZ/LAZ/UTRA) Tritium Concentrations Post Injection Shut-Off

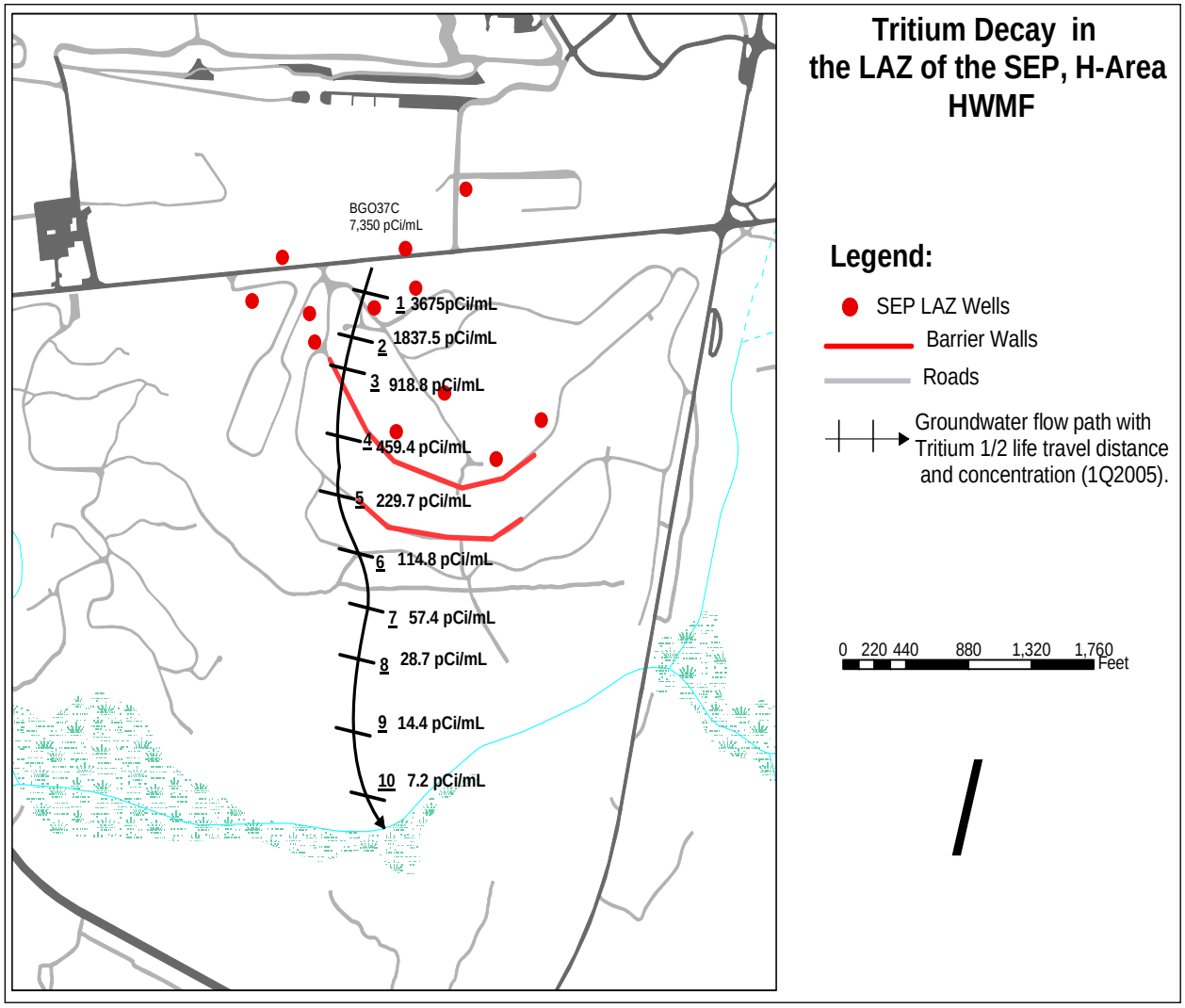


Figure 10. Tritium Decay in the LAZ of the Southeast Plume Area and the H-Area HWMF

NEP

The NEP is the area to the north of the eastern section of the MWMF and LLRWDF. This plume is sourced mainly from the MWMF/LLRWDF. The primary contaminants include tritium and TCE. Tritium is emanating from the northeast corner of the MWMF and is discharging at low concentrations to seeps that feed tributaries to Upper Three Runs Creek. Tritium is not expected to exceed the GWPS at the sample stations in Upper Three Runs Creek down-stream of the NEP discharge zone. On September 12, 2023, SRS submitted the revision 0 permit renewal application for the MWMF. In October 2025, the 2023 RCRA Permit Renewal was issued to SRS with an effective date of October 27, 2025. The 2023 permit renewal application (Revison 1) is the current CAP for the NEP.

The NEP CAP is in Phase 1 and includes the following main objectives:

- reduction of cVOC and tritium (radioactive decay) concentrations using natural attenuation

To achieve these objectives, the following actions have been defined in the Corrective Action Program:

- low permeability caps over the MWMF and LLRWDF (source control)
- passive natural attenuation of cVOCs and tritium (radioactive decay) in the UAZ and LAZ
- optional subsurface engineered low-permeability barrier to redirect groundwater flow direction and significantly increase travel time for radioactive decay of tritium; to be implemented if tritium concentrations reach unacceptable levels in groundwater on the north and northeast sides of the MWMF and LLRWDF. Levels would be unacceptable when tritium releases have the potential to impact surface water in Upper Three Runs Creek (above 20 pCi/mL), or create a large high concentration plume
- institutional controls for seepline areas where low concentration tritiated water is currently present

The option to install a subsurface engineered barrier was developed to address the potential failure of containment measures associated with the Mound burial. This burial from the

DOE Mound Laboratory is estimated to contain a significant amount of the total tritium inventory buried at the MWMF/LLRWDF. If a significant amount of tritium were to leach to groundwater from this source, the likely result would be tritium concentrations several orders of magnitude higher than currently observed in the plume. At this time, tritium levels and concentration trends measured in groundwater at the plume definition wells and in the POC wells at the edge of the MWMF low-permeability cap remain relatively stable from year to year indicating a significant release of tritium from the Mound burial has not occurred. Based on monitoring results from the well network, seeplines, and surface water stations, SRS does not believe implementing the optional barrier is warranted at this time.

The potential for human exposure to contaminated groundwater and seepline areas in the NEP is managed to prevent exposure of on-site workers during sampling activities. These exposures are mitigated through the use of personal protective equipment and routine training regarding the handling of contaminated sample media. Unauthorized access to seepline areas by on-site workers is restricted through the Site Use/Site Clearance Program. SRS restricts access to the general public and trespassers using security procedures and equipment, 24-hour surveillance systems, artificial and natural boundaries, control entry systems, and warning signs in place at the SRS boundary.

The NEP emanates mainly from the northeast corner of the MWMF. The migration of the plume is north and northeast toward Crouch Branch and Upper Three Runs Creek.

Characterization data from the mid-1990s identified a relatively extensive tritium plume and a smaller cVOC plume in the UAZ and LAZ. The extent of the tritium plume is larger than the cVOC plume due to the greater mobility of tritium in the environment. The UAZ generally contains higher concentrations than the LAZ. The early characterization data indicated the highest tritium activity in UAZ well BGO 6 (greater than 5,000 pCi/mL) and a TCE concentration of over 200 ug/L in the same well. In 2025, the highest concentration of tritium occurred at BGO 10C (1,300 pCi/mL) and the maximum TCE concentration at BGO 7D (112 ug/L). Overall, current data are much lower than historic maximum concentrations demonstrating the plumes are continuing to shrink over time. Current

plume maps for tritium (Maps 6A, 6B and 6C) and TCE (Maps 5A, 5B and 5C) and TCE are provided in Volume II.

Statistical analysis of the groundwater data (2023 RCRA Permit Renewal Application, Revision 1) showed that the overall concentration trend for contaminants in the NEP is decreasing and natural attenuation with monitoring is an effective remedy. The analysis also showed that within the commingled plume (tritium and cVOCs), the radioactive decay of tritium to below the GWPS will take significantly longer than the natural attenuation of the cVOCs. Groundwater flow in the UAZ and LAZ (15.2 m [50 ft/yr] and 7.6 [25 ft/yr], respectively) is relatively slow providing significant time for radioactive decay. Water velocity calculations suggest a travel time of ~60 years (or 5 tritium half-lives) for the plume to reach Upper Three Runs Creek. The presence of source control, downward contaminant trend, shrinking plume, and ample time for attenuation of contaminants all support the continued management of contamination with natural attenuation and monitoring at the NEP.

Tritium levels are monitored quarterly in UTRs at station UTR-90 located downstream of the NEP discharge zone. In 2025, tritium was low (maximum of 1.38 pCi/mL) in samples collected at UTR-90, indicating that surface water in Upper Three Runs Creek is not being impacted above the GWPS by tritium from the NEP.

NWP

The NWP is the area to the north of the western section of the ORWBG and west of the MWMF. This plume is sourced mainly from the ORWBG and extends from the ORWBG a short distance northwest toward Upper Three Runs Creek. The primary contaminants include tritium and TCE. On September 12, 2023, SRS submitted the revision 0 permit renewal application for the MWMF. In October 2025, the 2023 RCRA Permit Renewal was issued to SRS with an effective date of October 27, 2025. The 2023 permit renewal application (Revison 1) is the current CAP for the NWP.

The NWP CAP is in Phase 1 and includes the following main objectives:

- reduction of cVOC and tritium (radioactive decay) concentrations using natural attenuation

To achieve these objectives, the following actions have been defined in the Corrective Action Program:

- low-permeability caps over the MWMF, LLRWDF, and ORWBG (source control)
- passive natural attenuation of cVOCs and tritium (radioactive decay) in the UAZ and LAZ

The NWP is located very close to the groundwater divide. The migration of contaminants tends to be downward with little lateral movement in the UAZ; migration in the LAZ is toward Upper Three Runs Creek to the northwest. Tritium and cVOCs (mostly TCE) are the prominent groundwater contaminants.

Characterization data from the mid-1990s identified a small tritium and TCE plume in the UAZ and LAZ. Current data indicate similar plume extent, but with lower overall concentrations, (i.e., the plumes are not expanding). Tritium activities and TCE concentrations in the UAZ have tended to decrease over time and since installation of the ORWBG cap. Tritium and TCE in the LAZ have remained relatively stable, except for at UAZ well BGO 15D where tritium concentrations were 21,500 pCi/mL in 2014 then dropped to below 3,000 pCi/mL until rising again to 76,400 pCi/mL in the first quarter of 2022 and has since decreased again to 4,080 pCi/mL in the third quarter of 2025. SRS will continue to monitor tritium at BGO 15D. Current plume maps for tritium and TCE are provided in Volume II.

Statistical analysis of the groundwater data (2023 RCRA Permit Renewal Application, Revision 1) showed that the overall concentration trend in the NWP is decreasing and that natural attenuation with monitoring provides an effective remedy. The analysis also showed that within the commingled plume (tritium and cVOCs), the radioactive decay of tritium to below the GWPS will take significantly longer than the natural attenuation of the cVOCs. Groundwater flow in the UAZ and LAZ (15.2 m/yr and 7.6 m/yr [50 ft/yr and 25 ft/yr], respectively) is relatively slow, providing significant time for radioactive decay.

Water velocity calculations suggest a travel time of ~220 years (or 18 tritium half-lives) for the plume to reach Upper Three Runs Creek. The presence of source control, the downward contaminant trend, shrinking plume, and ample time for attenuation of contaminants all support the continued management of contamination with natural attenuation and monitoring at the NWP.

5.3.1 MWMF Operational Data

The SWP Phytoremediation System consists of 51 irrigation plots. All 51 plots received irrigation in 2025. Approximately 63.2M L (16.7M gal) of tritiated water were irrigated on the plots and sprayed over the pond between January 1 and December 31, 2025. The average tritium concentration of the applied water (measured at SWPTNK 001) was ~522 pCi/mL and concentrations ranged from 367 to 670 pCi/mL. Operation of the irrigation system and spray evaporators prevented ~18.5 Ci of tritium from reaching FMB during 2025. It is estimated that an additional 4.2 Ci of tritium evaporated from the pond surface due to ~8,132,579 L (2,148,400 gal) of pond surface water evaporation based on surface area, annual evaporation rate, and average tritium concentration. Table 11 contains the irrigation rates, the average monthly tritium concentrations, and the monthly totals of tritium sprayed (in curies).

Table 11. Phytoremediation Irrigation Rates and Tritium Concentrations for 2025

Month	Total Irrigation (G)/Month	Total Tritium (in Curies) Irrigated to Plots/Month	Total Tritiated Water Sprayed by Evaporator (G)/Month	Total Tritium (in Curies) Sprayed by Evaporator / Month	Average Tritium Concentrations in the Water/Month *(pCi/mL)*
January	30,492	0.05	226,000	0.41	474
February	490,043	0.92	269,430	0.52	496
March	625,193	1.17	318,400	0.61	493
April	1,065,970	1.90	581,810	1.06	472
May	985,335	1.59	525,530	0.87	427
June	1,233,625	1.84	543,780	0.83	393
July	1,712,365	3.34	634,630	1.27	516
August	1,230,493	2.51	1,170,258	2.44	538
September	1,474,809	2.96	930,930	1.91	530
October	864,137	2.07	413,090	1.01	634
November	614,243	1.51	383,310	0.97	650
December	184,844	0.46	219,410	0.56	663
Total	**10,511,549**	**20.33**	**6,216,578**	**12.46**	**523.83**

Note: Table depicts approximate rates and concentrations.

The application rates of pond water to the plots were in accordance with seasonal irrigation schedules derived from calculated soil moisture deficits and pan evaporation rates. The summer schedule (April 15 to October 15) is based on soil moisture deficit. Soil moisture deficit is the difference between evapotranspiration and net precipitation in terms of rainfall and irrigation.

5.3.2 Corrective Action Monitoring System

The Corrective Action Monitoring System at the MWMF SWP Phytoremediation System consists of the monitoring wells specified in the RCRA Permit, pond samples, wetland samples, and surface water samples in FMB. These components are sampled in accordance with the schedule provided in the RCRA Permit. Sampling results are evaluated to determine the effectiveness of the phytoremediation project and reported in the Compliance Monitoring Section of the Annual (August) CAR each year.

The concentration of tritium in the pond water has been decreasing since the start of irrigation, due to radioactive decay of tritium. The highest average tritium concentration occurred in 2002 (13,140 pCi/mL). Since the installation of the low-permeability cap on the ORWBG in 2007-2008, there has been further reduction in tritium concentration in the pond that seems to be significantly greater than the previous decay component. From 2007 to 2010, tritium concentration decreased from 9,258 pCi/mL to 2,666 pCi/mL. Since then, average tritium concentrations have continued to show a decreasing trend. Concentrations (measured at FHP-001) averaged ~499 pCi/mL in 2025, due to capping of the ORWBG, natural attenuation, and in part to the pattern of above average rainfall since 2013.

5.3.3 Summary of Downtime (IVD.K.3.n)

Permit Section IVD.K.3.n, requires a summary of any downtime of the irrigation system at the SWP Phytoremediation System that exceeds 72 hours and is caused by mechanical or equipment failure.

- There were no downtimes of the irrigation system that exceeded 72 hours due to mechanical or equipment failure in 2025.

5.3.4 Modifications to System (IVD.K.3.o)

In accordance with the Permit Section IVD.K.3.o, a summary of the modifications to the Correction Action System (SWP Phytoremediation System) is required.

In January 2011, SRS expanded the MWMF Phytoremediation System area by ~9.7 ha (24 ac). The additional acreage is located to the east of the original irrigation site over the plume area. The expansion consisted of 12 plots (plots 31 through 42) and distribution piping. SRS has also expanded the irrigation area to the west. The western expansion is ~6.1 ha (15 ac) and consists of nine plots (plots 43 through 51) and distribution piping. The western expansion was completed in 2013 and placed into operation in 2014. The expansion areas utilize the existing irrigation system equipment, with the addition of a distribution pump for the western expansion and larger filtration system. These expansions

provide additional acreage needed to maximize the irrigation capacity, especially during winter operations, and maintain the pond level as low as possible. They also provide additional irrigation acreage to accommodate any silviculture treatment that may be needed in the future. The full potential of the expansion areas will be realized when the trees become mature in size.

In 2015, SRS completed the replanting of ~10,000 loblolly pine seedlings at the eastern and western expansions. The replanting was necessary due to the natural mortality of some original seedlings at the western expansion and the loss of trees at the eastern area due to the ice storm in 2014. Additional minor replanting was needed in 2016 due to natural tree mortality. No trees from the irrigation plots have been removed from the remediation site. Fallen trees and trees or limbs cut during forest maintenance activities remain on unit to naturally decay.

SRS replaced the old evaporator with two new evaporators (which intake water directly from the pond) in 2021. The evaporators will provide increased evaporation efficiency and enhance water management capabilities, especially during the winter months and during periods of rainy weather when irrigation capacity is reduced. The new evaporators began operation in December 2022.

5.3.5 Effectiveness of the MWMF Corrective Action Program

As part of the effectiveness monitoring, tritium concentration is measured in FMB downstream of the SWP. Tritium concentration in FMB dropped ~68% immediately upon closing the valve on the discharge side of the phytoremediation pond in 2000 (Figure 11). The closed position of the valve on the discharge side of the pond results in the collection of tritiated water from the seeps and prevents the tritiated water from reaching FMB. Tritium concentrations remained reduced by 60% to 80% until September 23, 2005, when the pond valve was opened to drain the pond to FMB for maintenance and for upgrades to the irrigation system. During this time, tritium concentrations increased in FMB to 642 pCi/mL. During March 2006, the pond valve was closed following completion of maintenance, and tritium concentrations in FMB dropped to 111 pCi/mL by April 2006,

and have remained below 200 pCi/mL since that time, with most measurements less than 100 pCi/mL. In 2025, the concentration of tritium ranged from 2.7 pCi/mL to 26.4 pCi/mL in FMB. In previous years, the operation of the collection pond and phytoremediation system resulted in an ~100 Ci/yr reduction in tritium flux to FMB (phytoremediation + evaporation from the pond). In 2025, due to reduced tritium concentrations, the reduction in tritium flux was ~22.8 Ci/yr. Overall, the current system has proven to be effective in reducing tritium flux by nearly 70% of the water that is discharging from the plume and was originally impacting FMB.

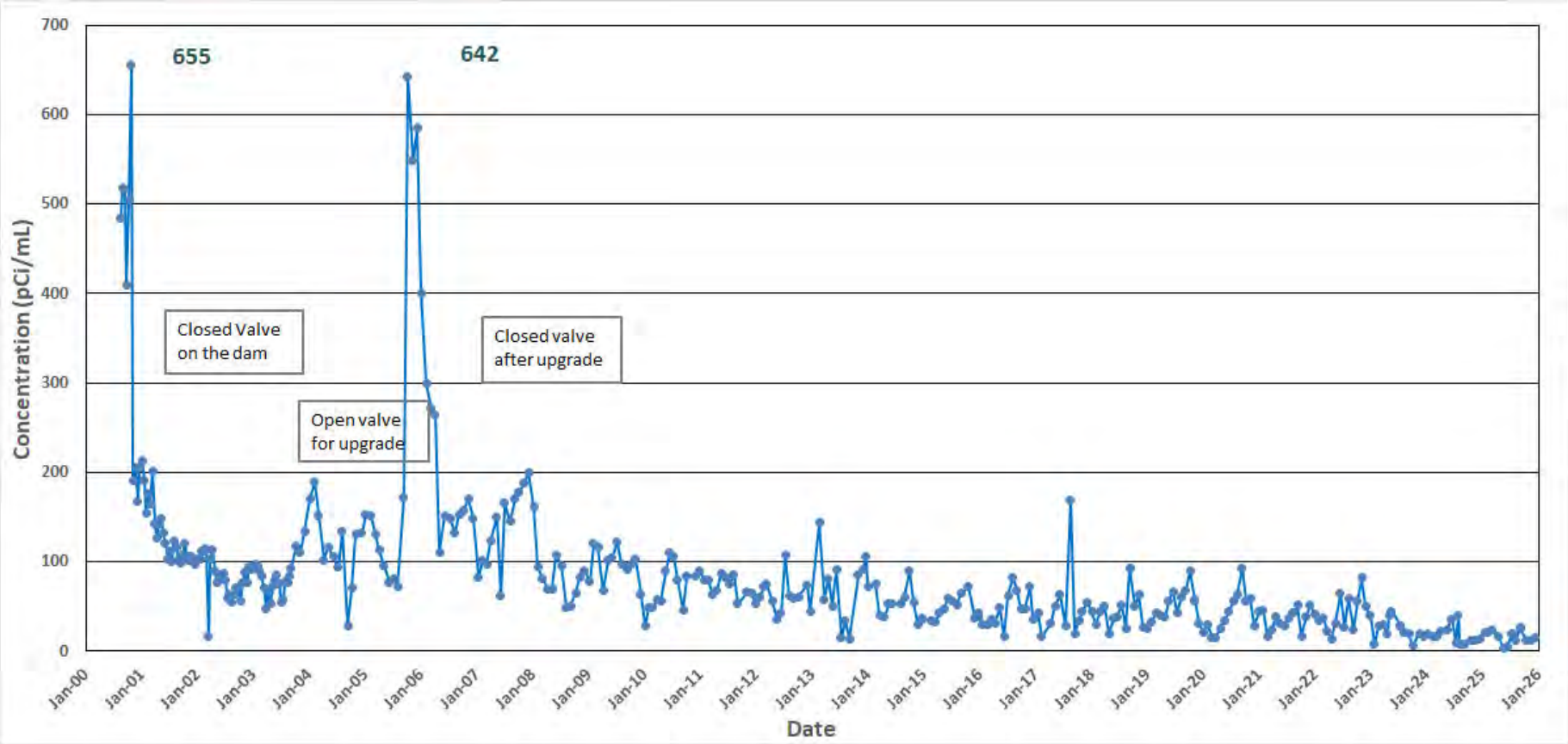
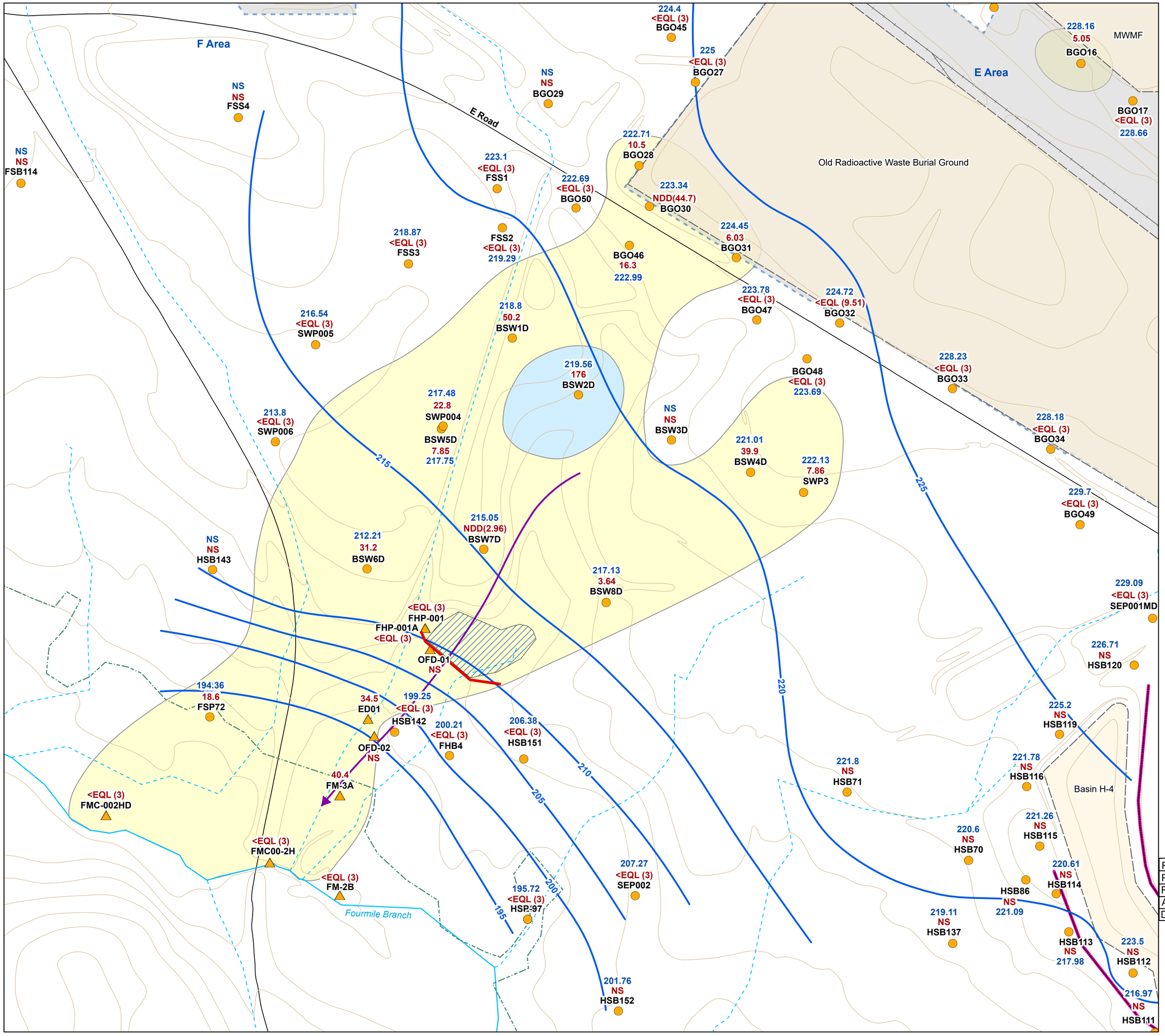


Figure 11. Tritium Concentrations in FMB

Figure 12. MWMF SW Plume 1,4-dioxane Concentrations in the UAZ



1,4-Dioxane Sample (3Q25) ug/L

- Monitoring Well
- Seepline Well
- Surface Water
- Water Level Measurement (3Q25) ft msl

UAZ Potentiometric Surface (3Q25)

- Contours (5 ft interval) (ft msl)
- Groundwater Flow Path

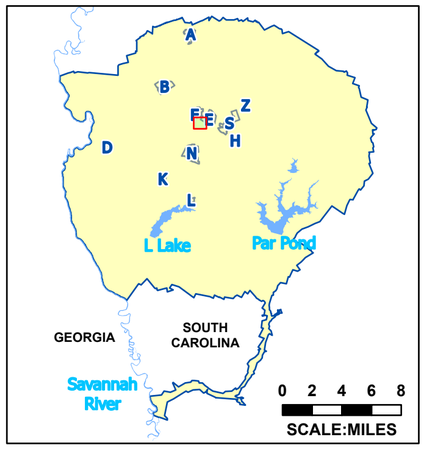
1,4-Dioxane Plume (3Q25)

- >0 ug/L
- 100 - 499 ug/L
- > 500 ug/L

- PHYTOREMEDIATION POND
- BASIN CLOSURE BOUNDARY
- SUBSURFACE BARRIER
- MAIN/PAVED ROAD
- FACILITY AREA BOUNDARY
- RAILROAD
- SEEPLINE
- STREAM
- OTHER SURFACE FLOW PATTERN
- TOPOGRAPHIC CONTOUR (10 FOOT INTERVAL)

PLANT NORTH
TRUE NORTH
N
3 6 - 2 2

0 95 190 380 570 Feet
0 20 40 80 120 160 Meters



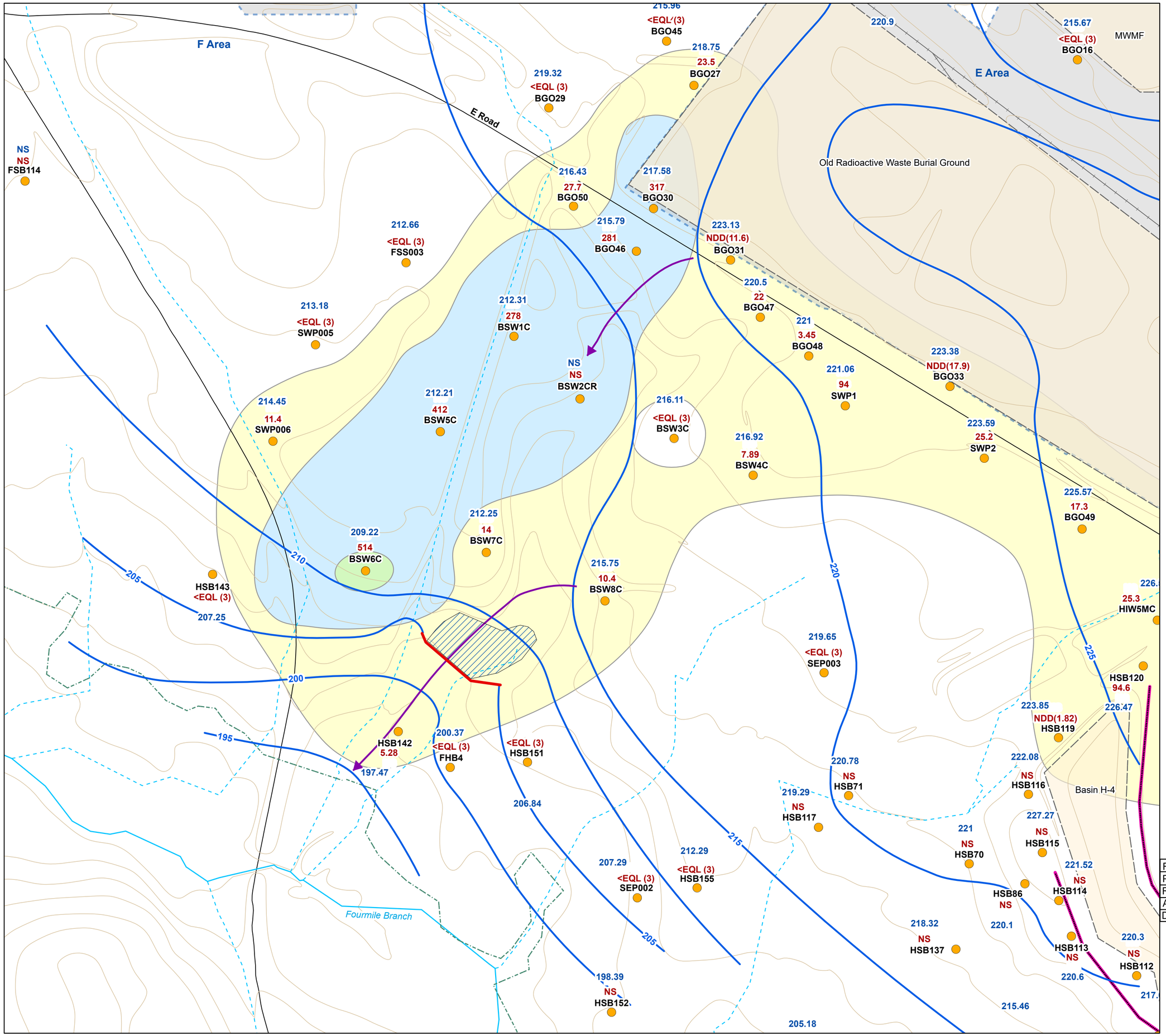
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffery Thibault
Date:	August 31, 2026

GSA Corrective Action Report, Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, and 1,4-Dioxane Plume at the Southwest Plume Third Quarter 2025

GSA Corrective Action Report, Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at GSA and 1,4-Dioxane at the Southwest Plume,Third Quarter 2025

Figure 13. MWMF SW Plume 1,4-dioxane Concentrations in the LAZ



1,4-Dioxane Sample (3Q25) ug/L

- Monitoring Well
- Seepline Well
- Surface Water
- Water Level Measurement (3Q25) ft msl

LAZ Potentiometric Surface (3Q25)

- Contours (5 ft interval) (ft msl)
- Groundwater Flow Path

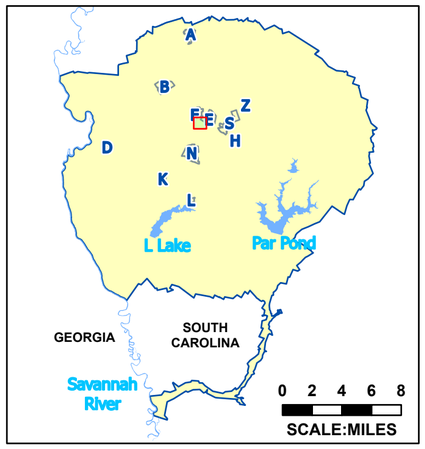
1,4-Dioxane Plume (3Q25)

- >0 ug/L
- 100 - 499 ug/L
- > 500 ug/L

- PHYTOREMEDIATION POND
- BASIN CLOSURE BOUNDARY
- SUBSURFACE BARRIER
- MAIN/PAVED ROAD
- FACILITY AREA BOUNDARY
- RAILROAD
- SEEPLINE
- STREAM
- OTHER SURFACE FLOW PATTERN
- TOPOGRAPHIC CONTOUR (10 FOOT INTERVAL)

PLANT NORTH
TRUE NORTH
N
36 - 22

0 100 200 400 600 Feet
0 25 50 100 150 200 Meters



SAVANNAH RIVER SITE

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GSA Corrective Action Report, Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at GSA and 1,4-Dioxane at the Southwest Plume,Third Quarter 2025

Annually, the Savannah River Ecology Lab (SREL) estimates the evapotranspiration efficiency of the irrigation plots (Appendix G, Volume I). In 2025, the average evapotranspirative efficiency of the irrigation system was ~86.6 ± 1.2% for the original plots, 77.4 ± 3.2% for the eastern expansion area, and 68.5 ± 0.9% for the western expansion area. The collective annual efficiency was 80.8 ± 7.3% for all irrigation plots. The calculated evaporative efficiency of the spray evaporators is 17%.

Lower efficiencies for the eastern and western areas are due to lower vegetative densities at these plots. SRS expects the efficiencies to increase as the trees become mature.

5.3.6 Progress and Implementation of the CAPs (IVD.K.3.a)

During 2025, the maximum groundwater concentration of 1,4-dioxane in the UAZ of the UTRA was 176 ug/L, which was observed in well BSW 2D and the maximum concentration in the LAZ of the UTRA was 514 ug/L observed in well BSW 6C. The maximum concentration of 1,4-dioxane in surface water was 40.4 ug/L, which was observed at sampling station FM-3A below the confluence of the ED and the OFED. Figures 12 and 13 are 2025 plume maps for 1,4-dioxane in the UAZ and LAZ.

In the past, the concentration of 1,4-dioxane in the SWP was not well understood due to analytical uncertainty. However, it was known that 1,4-dioxane was present above the GWPS of 6.1 ug/L in the SWP. Current analytical methods now provide better concentration certainty within the groundwater and the irrigation pond. Past pond concentrations have ranged from ~10 to 20 ug/L. In 2025, 1,4-dioxane was below the detection limit (0.59 ug/L) in the pond. 1,4-Dioxane is still present in surface water downstream of the pond. The current corrective action for 1,4-dioxane is continued operation of the phytoremediation system, natural degradation, the low-permeability cap of the ORWBG and the MWMF, and institutional (access) controls.

Current literature indicates that irrigated 1,4-dioxane (in the pond water) will likely degrade to levels that do not represent a threat to receptors or the groundwater. 1,4-Dioxane is prone to evaporation and photo-oxidation in air (7 to 10-hour half-life, maximum lifetime

of 23 hours) in a spray irrigation setting, and it is reported by researchers to be highly degradable in biologically active soils by filamentous bacteria and fungus present in the leaf mulch. When tritium is evaporated and transpired to the atmosphere by spray irrigation, it is likely that 1,4-dioxane is photo-oxidized, or degraded at a very high efficiency. SRS believes that conditions present in the irrigation plots are favorable for the evaporation, transpiration, and degradation of 1,4-dioxane.

SRS believes that continuing to manage tritium, cVOCs and 1,4-dioxane with the collection pond and irrigation system is a reasonable approach with a high probability of success. The current system has proven to be effective in managing nearly 70% of the water that is discharging from the plume and was originally impacting FMB. The 1,4-dioxane and other cVOCs in the SWP are commingled with tritium, and it is likely that their presence in the plume is as old as the tritium. Based on attenuation rates for tritium, cVOCs, and 1,4-dioxane at the SWP, the radioactive decay of tritium to below the GWPS is expected to take longer than the natural attenuation of 1,4-dioxane and the other cVOCs. Thus, the long-term corrective action employed for groundwater contamination at the SWP should be natural attenuation, the continued operation of the irrigation system (operating at low pond levels to maximize efficiency), and infiltration control via capping of the ORWBG.

Additions to irrigation capacity in the eastern and western expansions help to maximize reductions in contaminant flux to FMB by reducing water overflowing the dam and bypassing in the subsurface. SRS is able to operate the system into the winter months using the two expansion areas. The overall objective is to maintain as low a level as practicable in the irrigation pond throughout the year to maximize the volume of water going to the pond from the UAZ and LAZ. Maintaining water levels as low as possible will support SRS meeting the overall remedial goal for tritium reduction to FMB.

5.3.7 cVOC Degradation

Relative concentrations of cVOC parent and daughter degradation products can give a direct indication of the presence or absence of microbial degradation processes. The

production of cis-1,2-dichloroethylene (DCE) and chloride ions along aquifer flow paths is direct evidence of reductive dechlorination. The ratios of cis-1,2-DCE to the total 1,2-DCE indicate that the 1,2-DCE observed in the groundwater is likely of biogenic origin.

SWP

The MWMF SWP monitoring wells were sampled for VOCs during 2025 (Appendix B, Table B-7, Volume I). The presence of cis-1,2-DCE indicates that reductive biodegradation of TCE is occurring as TCE will degrade to DCE only under an anaerobic degradation pathway. Because of the large amount of organic matter (wood and paper products) and carbon steel that was included in the burial trenches, it is believed that reducing conditions exist in and beneath the burial ground waste trenches. Low oxygen levels allow for anaerobic degradation of tetrachloroethylene (PCE) and TCE to produce DCE in and beneath the burial trenches while aerobic degradation occurs within the SWP groundwater where dissolved oxygen levels are much higher. The oxidizing conditions in the SWP groundwater rapidly degrade the DCE and vinyl chloride limiting their accumulation. Thus, reductions in cVOC parents (TCE and PCE), the presence of cis-1,2-DCE, and low levels of chloroethene (vinyl chloride) are evidence of dechlorination at the SWP.

Overall, concentrations of cVOCs continue to exhibit decreasing trends. SRS believes continued implementation of the SWP Corrective Action Effectiveness Monitoring Program and operation of the phytoremediation system for the cVOC degradation component of the CAP, as discussed in Sections E.8.1.3 and E.8.1.4 of the 2013 RCRA Permit Renewal Application, remains appropriate for cVOCs.

SEP

The MWMF SEP monitoring wells were sampled for volatile organic compounds (VOCs) during 2025 (Appendix B, Table B-8, Volume I). The lower hydraulic conductivity in the LAZ aquifer is beneficial to VOC degradation. The low flow conditions cause an increase in travel time within the aquifer, creating greater opportunity for degradation before discharging to surface water in FMB. In 1997, the highest concentration of VOCs was associated with well BGO 37C, which had a concentration of 1,160 ug/L of TCE. By 2003, the TCE concentration in the well had decreased to 126 ug/L and currently remains lower at 45.5 ug/L. The drop in the concentration is attributed to natural attenuation and capping of the ORWBG.

The flux of VOCs to the groundwater beneath the source area in the ORWBG is expected to be reduced by infiltration control. The low-permeability cap installed at the ORWBG is part of the corrective action for VOCs at the SEP. Installation of the cap was completed in 2007. In 2006, prior to capping, the concentration of TCE at BGO 37C was 170 ug/L. After capping, the concentration of TCE has had an overall decreasing trend and in 2025, the maximum concentration was 45.5 ug/L.

Monitoring data shows evidence that degradation of the cVOCs is occurring within the SEP. The highest concentrations of TCE occur at POC well BGO 35C (284 ug/L) adjacent to the ORWBG and plume assessment well HSB 120C (355 ug/L). The presence of daughter products (cis-1,2 DCE) indicates that degradation of PCE and TCE is occurring beneath the ORWBG. Well BGO 35C has the highest concentration of cis-1,2 DCE at 159 ug/L. The accumulation of vinyl chloride was not observed; however, dissolved oxygen levels beyond the footprint of the cap ranged from 1.03 to 8.2 mg/L and are sufficient to prevent the accumulation of vinyl chloride. Vinyl chloride is known to degrade rapidly under aerobic groundwater conditions and is not expected to be present at high concentrations. Trace levels of ethane and ethylene have been present in these wells indicating dechlorination is proceeding to completion. These conditions are also observed in plume definition wells within the cVOC plume.

NEP

The MWMF NEP monitoring wells were sampled for VOCs in 2025 (Appendix B, Table B-9, Volume I). The NEP VOC plume occurs in both the UAZ and LAZ. The NEP is sourced from the MWMF, and because of groundwater flow paths, the VOC plume in the UAZ is adjacent to the MWMF whereas the LAZ plume is located further down gradient. The highest concentrations of TCE in the UAZ at the NEP occur near the source at UAZ POC well BGO 7D (112 ug/L). The highest concentrations in the LAZ occur in well BGX 2D (43 ug/L).

Monitoring data show evidence that degradation of cVOCs is occurring within the NEP. In 2025, at BGO 7D concentrations of parent compounds PCE and TCE were 40.4 ug/L and 121 ug/L, respectively. The concentration of cis-1,2 DCE was 44.9 ug/L. The presence of daughter products (cis-1,2 DCE) indicates that degradation of PCE and TCE is occurring in the NEP. Vinyl chloride was not detected in BGO 7D; however, dissolved oxygen levels (1.03 to 9.59 mg/L) in the aquifer are sufficient to prevent the accumulation of vinyl chloride. Vinyl chloride is known to degrade rapidly under aerobic groundwater conditions and is not expected to be present at high concentrations. Trace levels of ethane have been observed indicating that dechlorination is proceeding to completion. Similar conditions are also observed in other UAZ and LAZ monitoring wells within the cVOC plume.

NWP

The MWMF NWP monitoring wells were sampled for VOCs in 2025 (Appendix B, Table B-10, Volume I). The NWP VOC plume is relatively small and occurs mainly in the LAZ. The highest concentrations of TCE in the NWP have historically occurred near the source at wells BGO 14CR and BGO 53C. In 2006, concentrations of TCE were as high as 49.3 ug/L at well BGO 14CR. Since then, concentrations of TCE have been decreasing and are currently 23.6 ug/L. In 2025, the highest concentration of TCE occurred at POC well BGO 15D (91.9 ug/L).

Monitoring data show evidence that degradation of cVOCs is occurring within the NWP. In 2025, at BGO 15D concentrations of parent compounds PCE and TCE were 12.3 ug/L and 91.9 ug/L, respectively. The concentration of cis-1,2 DCE was 51.9 ug/L. The presence of daughter products (cis-1,2 DCE) indicates that degradation of PCE and TCE is occurring in the NWP. Vinyl chloride was not observed to be accumulating in BGO 15D; however, dissolved oxygen levels (1.3 to 7.6 mg/L) in the aquifer are sufficient to prevent the accumulation of vinyl chloride. Vinyl chloride is known to degrade rapidly under aerobic groundwater conditions and is not expected to be present at high concentrations. Trace levels of ethane and ethylene have also observed indicating that dechlorination is proceeding to completion. Similar conditions are also observed in other monitoring wells within the cVOC plume.

Monitoring data show that the low-permeability cap on the ORWBG is reducing the flux of VOCs to the groundwater beneath the source area. The low-permeability cap installed at the ORWBG is part of the corrective action for VOCs at the NWP. Installation of the cap was completed in 2007. In 2006, prior to capping, the concentration of TCE at BGO 42C was 130 ug/L. After capping, the concentration of TCE has been decreasing and in 2015 was below the GWPS of 5 ug/L. In 2025, the maximum concentration was 2.04 ug/L.

6.0 CONCLUSION

6.1 F-Area HWMF and H-Area HWMF

Overall, concentrations of most constituents continue to decrease over time in both F-Area HWMF and H-Area HWMF. The low-permeability caps, base injections, groundwater barriers, and silver chloride amendment (F Area only) at the F-Area and H-Area HWMFs are having a positive effect on the aquifer. Despite decreasing concentrations over time for most constituents, compliance monitoring data in 2025 indicated several inorganics and radiological constituents exceeded the GWPS in the wetlands/FMB at both HWMFs (Table 12). No new constituents were added to the GWPS for the F-Area nor H-Area HWMFs as a result of detection monitoring in 2025.

Table 12. Constituents exceeding the GWPS in the wetlands/FMB in 2025

Monitoring Network	F Area	H Area
FMB Surface Water (Phase 2a and 2b F Area; Phase 2a H Area Corrective Action Goals)	Iodine-129, tritium	Tritium
Wetland Seepline Surface Water (Phase 2b Corrective Action Goals)	Cobalt, nitrate-nitrite, gross alpha, iodine-129, nonvolatile beta, radium-226, radium-228, strontium-90, tritium, uranium-233/234, uranium-238	Cobalt, gross alpha, iodine-129, nonvolatile beta, radium-226, strontium-90, tritium
Wetland Groundwater	Cobalt, lead, mercury, nitrate-nitrite, carbon-14, gross alpha, iodine-129, nonvolatile beta, radium-226, radium-228, strontium-90, tritium, uranium-233/234, uranium-238	Carbon-14, nitrate-nitrite, iodine-129, nonvolatile beta, tritium

The most widespread contaminant was tritium (radiological), which is being addressed with subsurface barriers at the F-Area HWMF and H-Area HWMF. An evaluation of the tritium concentration in the vicinity of the barriers at both F Area and H Area indicates that the barrier systems are controlling tritium releases to the seeplines and FMB. Tritium flux reduction to FMB in 2025 exceeded targets. For F Area it was ~92% (calculated flux of 47 Ci/yr), and for H Area it was ~92% (calculated flux of 18 Ci/yr), demonstrating that the barriers are having the desired effects. Tritium flux to FMB will continue to be monitored.

Most metal and metallic radiological contaminants (except tritium and iodine-129) are being addressed with base injection. Base injection at the F-Area HWMF was performed starting in June and continued into September at the central gate. Approximately 19.3 M L (5.1 M gal) of base solution was injected in 2025 at F-Area HWMF. At H Area, operation of the base injection system was not required during 2025. Adjustment of pH has been achieved locally at H Area. SRS is observing the effects of the base injection prior to potentially injecting additional base.

Base injection has been effective in the in situ precipitation of cationic radionuclides, most evident with strontium-90 and uranium-238. The precipitation of these cationic metals and radionuclides has allowed concentrations of these constituents in FMB to fall below their respective GWPS, as well as reducing the concentration of these constituents in the seepline surface water and groundwater. The continued use of the system will ensure concentrations remain below the GWPS in FMB (Phase 2a goal) and continue to reduce the concentrations of cations in the seepline surface water (Phase 2b goal) and in the groundwater at the F-Area and H-Area HWMFs.

The remedial technologies implemented for Phase 2 have proven effective and feasible in working toward the corrective action goals and will continue to be deployed as part of the corrective actions; however, additional time is needed for these technologies to work to meet remedial goals at the F- and H-Area seeplines along FMB. These remedial technologies will continue to be implemented as part of the corrective actions.

The approved corrective action to address iodine-129 in F Area is the use of silver chloride technology. The latest deployment of silver chloride was completed in May 2019 to augment previous injections along the eastern half of the central gate, where the majority of the iodine-129 flux occurs. Injection of additional silver chloride is not required at this time. SRS will continue to evaluate the effectiveness of the silver chloride treatment at the central gate by monitoring in accordance with the UIC and RCRA Permit.

6.2 MWMF

The phytoremediation system along with low-permeability caps and natural attention are being utilized in improving groundwater and surface water impacted by the four MWMF plumes (SWP, NWP, SEP, and NEP). Compliance monitoring for the MWMF indicated several constituents exceeded the GWPS with tritium and TCE as the primary constituents at all four plume areas. Sampling of groundwater beneath the FMB wetland and surface water at FMB and UTR indicated tritium was the most widespread contaminant. No new constituents were added to the GWPS for any of the four MWMF plumes as a result of detection monitoring in 2025.

The SWP discharges tritium-contaminated groundwater with low amounts of cVOCs and 1,4-dioxane into a small tributary that feeds FMB. The MWMF Phytoremediation System collects contaminated groundwater from the seeps preventing discharge to FMB. The system had a positive effect by reducing the amount of tritium reaching FMB during 2025. The MWMF Phytoremediation System irrigated and sprayed ~63.2M L (16.7M gal) in 2025 preventing ~18.5 Ci of tritium from reaching FMB, nearing a 70% tritium flux reduction to FMB. In addition, ~4.2 Ci of tritium directly evaporated from the surface of the collection pond. The average evapotranspirative efficiency of the irrigation system in 2025 was similar to what it was in 2024. The average evapotranspirative efficiency of the irrigation system during 2025 was ~86.6 ± 1.2% for the original plots, 77.4 ± 3.2% for the eastern expansion area, and 68.5 ± 0.9% for the western expansion area. The collective annual efficiency was 80.8 ± 7.3% for all irrigation plots. 1,4-dioxane and cVOCs are also removed by volatilization, transpiration, evaporation, and degradation in the phytoremediation system. SRS believes that continuing to manage tritium, cVOCs and 1,4-dioxane with the collection pond and irrigation system is a reasonable approach with a high probability of success. The SWP also contained mercury, which is being successfully addressed by natural attenuation and the ORWBG low-permeability cap. Thus, the long-term corrective action employed for groundwater contamination at the SWP is the continued operation of the irrigation system (operating at low pond levels to maximize

efficiency) coupled with natural attenuation and rainwater infiltration control via the ORWBG cap.

Natural attenuation coupled with the ORWBG low-permeability cap are the approved remedial actions for the NWP, NEP, and SEP. Monitoring data show that the ORWBG low-permeability cap is reducing the flux of VOCs to the groundwater to all plumes. Monitoring data also shows evidence that degradation of the VOCs is occurring within each of the plumes. Overall, current tritium concentrations are much lower than historic maximum concentrations demonstrating the plumes are continuing to shrink over time. SRS will continue to monitor natural attenuation in the NWP, NEP, and SEP. Natural attenuation continues to be an effective remedy at the NWP, NEP, and SEP.

7.0 APPENDICES

Volume I

Appendix A	Mixed Waste Management Facility Well Construction Data
Appendix B	F-Area, H-Area, and Mixed Waste Management Facility Groundwater and Surface Water Monitoring Results Tables
Appendix C	Mixed Waste Management Facility Analytical Data First Quarter 2025 – Fourth Quarter 2025, and Historical Data
Appendix D	F-Area, H-Area, and Mixed Waste Management Facility Hydrographs
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Volume II

Appendix I	General Separations Area Location Maps, Isoconcentration and Potentiometric Maps, and Isoconcentration/Cross Sections

APPENDIX A

MIXED WASTE MANAGEMENT FACILITY

WELL CONSTRUCTION DATA

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F-AREA HWMF, H-AREA HWMF, AND MWMF

PWMS WELLS

List of Tables

Table A-1. MWMF Monitoring Well Construction Details

Table A-2. F-Area HWMF, H-Area HWMF, and MWMF PWMS Wells

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BGO 1D	BGO 01D	9/10/1987	PVC	4	20	295.3	293	48	68	245	225	3682856	438984	
BGO 2D	BGO 02D	8/12/1987	PVC	4	20	297	297.74	56	76	241.74	221.74	3683062	438846	
BGO 3A	BGO 03A	5/13/1994	PVC	2	10	291.9	288.7	175	185	113.7	103.7	3683310	438664	
BGO 3C	BGO 03C	5/13/1994	PVC	2	10	291.9	288.7	100	110	188.7	178.7	3683307	438666	
BGO 3DR	BGO 03D(R)	10/23/1995	*PVC*	*2*	20.1	291.8	289.3	51.7	71.8	237.6	217.5	3683301	438676	
BGO 4D	BGO 04D	8/13/1987	PVC	4	20	297.5	295.6	55	75	240.6	220.6	3683455	438558	
BGO 5C	BGO 05C	9/4/1987	PVC	4	10	296.1	294.2	101	111	193.2	183.2	3683534	438497	
BGO 5D	BGO 05D	9/4/1987	PVC	4	20	296.3	294.2	54.9	74.9	239.3	219.3	3683532	438494	
BGO 6A	BGO 06A	10/8/1987	PVC	4	10	285.8	283.8	166.3	176.3	117.5	107.5	3683450	438377	
BGO 6B	BGO 06B	3/18/1992	*PVC*	*4*	10	287	284.5	134.8	144.8	149.7	139.7	3683472	438373	
BGO 6C	BGO 06C	9/2/1987	PVC	4	10	285.8	283.5	115.5	125.5	168	158	3683449	438375	
BGO 6D	BGO 06D	8/31/1987	PVC	4	20	285.7	283.2	46	66	237.2	217.2	3683447	438372	
BGO 7D	BGO 07D	8/15/1987	PVC	4	20	287.2	285.2	45	65	240.2	220.2	3683381	438277	
BGO 8AR	BGO 08A(R)	2/25/1991	PVC	4	10	286.8	284.6	180	190	104.6	94.6	3683353	438185	
BGO 8C	BGO 08C	8/28/1987	PVC	4	10	288	285.8	101.5	111.5	184.3	174.3	3683348	438189	
BGO 8D	BGO 08D	8/28/1987	PVC	4	20	288	285.6	45	65	240.6	220.6	3683350	438187	
BGO 9AA	BGO 09AA	7/10/1991	*PVC*	*4*	10	285	282.8	199	209	83.8	73.8	3683401	438057	
BGO 9D	BGO 09D	8/20/1987	*PVC*	*4*	20	285.3	283.2	54	74	229.2	209.2	3683380	438113	
BGO 10AA	BGO 10AA	8/21/1991	*PVC*	*4*	10	300.9	298.8	208	218	90.8	80.8	3683338	437959	
BGO 10AR	BGO 10A(R)	2/20/1991	*PVC*	*4*	10	300.7	298.5	192	202	106.5	96.5	3683304	438011	
BGO 10B	BGO 10B	8/21/1991	*PVC*	*4*	10	301.1	299	150	160	149	139	3683332	437959	
BGO 10C	BGO 10C	9/15/1987	*PVC*	*4*	10	301.5	299.3	132	142	167.3	157.3	3683300	438006	
BGO 10DR	BGO 10D(R)	2/8/1991	*PVC*	*4*	20	300.6	298.3	60	80	238.3	218.3	3683306	438014	
BGO 11DR	BGO 11D(R)	9/7/1995	*PVC*	*4*	19.9	305.5	302.9	69.9	89.8	233	213.1	3683241	437902	
BGO 12AX	BGO 12A(X)	10/3/1995	*PVC*	*4*	10	313.1	310.5	201	211	109.5	99.5	3683167	437808	
BGO 12CX	BGO 12C(X)	9/12/1995	*PVC*	*4*	20.1	313.9	311.3	78.5	98.6	232.8	212.7	3683159	437797	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BGO 12DR	BGO 12D(R)	9/29/1995	*PVC*	*4*	10	313.6	311	159.8	169.8	151.2	141.2	3683162	437801	
BGO 13DR	BGO 13D(R)	2/27/1991	*PVC*	*4*	10	319.5	317.3	97	107	220.3	210.3	3683090	437707	
BGO 14AR	BGO 14A(R)	3/5/1991	*PVC*	*4*	10	300.9	298.7	191.9	201.9	106.8	96.8	3682964	437779	
BGO 14CR	BGO 14C(R)	3/5/1991	*PVC*	*4*	10	300.7	298.4	98.3	108.3	200.1	190.1	3682960	437781	
BGO 14DR	BGO 14D(R)	3/8/1991	*PVC*	*4*	20	300.4	298.2	60.1	80.1	238.1	218.1	3682957	437784	
BGO 15D	BGO 15D	8/25/1987	*PVC*	*4*	20	298.8	296.7	58	78	238.7	218.7	3682883	437864	
BGO 16AR	BGO 16A(R)	7/22/1992	*PVC*	*4*	10	303.8	301.6	187.9	197.9	113.7	103.7	3682891	437993	
BGO 16B	BGO 16B	2/20/1992	*PVC*	*4*	10	305.3	302.9	156.9	166.9	146	136	3682891	437981	
BGO 16D	BGO 16D	8/24/1987	*PVC*	*4*	20	304.8	302.3	65	85	237.3	217.3	3682890	437988	
BGO 17DR	BGO 17D(R)	4/30/1992	*PVC*	*4*	20	299.4	296.9	60	80	236.9	216.9	3682890	438065	
BGO 18A	BGO 18A	10/30/1987	*PVC*	*4*	10	295.3	292.9	183.4	193.4	109.5	99.5	3682942	438138	
BGO 18D	BGO 18D	11/4/1987	*PVC*	*4*	20	295.1	292.6	53	73	239.6	219.6	3682944	438141	
BGO 19DR	BGO 19D(R)	10/19/1995	*PVC*	*4*	20	294.2	291.6	74.9	94.9	216.7	196.7	3682940	438177	
BGO 20A	BGO 20A	1/27/1995	*PVC*	*4*	10	283.9	281.3	185	195	96.3	86.3	3682858	438350	
BGO 20AA	BGO 20AA	1/17/1995	*PVC*	*4*	10	283.6	281.3	253	263	28.3	18.3	3682852	438351	
BGO 20B	BGO 20B	2/21/1995	*PVC*	*4*	10	283.5	281	140	150	141	131	3682858	438358	
BGO 20C	BGO 20C	3/2/1995	*PVC*	*4*	10	283.5	281	97	107	184	174	3682852	438357	
BGO 20D	BGO 20D	3/2/1988	*PVC*	*4*	20	283.7	281.3	45	65	236.3	216.3	3682859	438354	
BGO 21D	BGO 21D	11/11/1987	*PVC*	*4*	20	285.6	283	45.3	65.3	237.7	217.7	3682856	438491	
BGO 22DX	BGO 22D(X)	6/14/1996	*PVC*	*4*	20	286.1	283.35	45.5	65.5	237.85	217.85	3682878	438588	
BGO 23D	BGO 23D	8/6/1987	*PVC*	*4*	20	289.4	287	45	65	242	222	3682863	438735	
BGO 24D	BGO 24D	7/29/1987	*PVC*	*4*	20	293.4	291	50	70	241	221	3682863	438851	
BGO 25A	BGO 25A	10/19/1987	*PVC*	*4*	10	296.6	294.7	180.6	190.6	114.1	104.1	3682895	437784	
BGO 26A	BGO 26A	3/15/1989	*PVC*	*4*	10	287.4	285.1	194.1	204.1	91	81	3682774	437625	
BGO 26D	BGO 26D	12/2/1988	*PVC*	*4*	20.1	285.7	283.5	50	70.1	233.5	213.4	3682770	437628	
BGO 27C	BGO 27C	3/17/1989	*PVC*	*4*	9	276.2	273.9	110	119	163.9	154.9	3682595	437626	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BGO 27D	BGO 27D	12/5/1988	*PVC*	*4*	20	276.6	274.3	45	65	229.3	209.3	3682599	437627	
BGO 28D	BGO 28D	12/16/1988	*PVC*	*4*	20	277.7	275.1	45	65	230.1	210.1	3682478	437631	
BGO 29A	BGO 29A	2/17/1989	*PVC*	*4*	10	264.4	262.1	149.6	159.6	112.5	102.5	3682466	437506	
BGO 29C	BGO 29C	11/14/1991	*PVC*	*4*	10	265	262.8	76	86	186.8	176.8	3682470	437501	
BGO 29D	BGO 29D	11/13/1991	*PVC*	*4*	20	265.6	263.5	35	55	228.5	208.5	3682474	437499	
BGO 30C	BGO 30C	4/5/1989	PVC	4	10	274.7	272.6	84.2	94.2	188.4	178.4	3682446	437674	
BGO 30D	BGO 30D	2/6/1989	PVC	4	20	275	272.8	45	65	227.8	207.8	3682446	437670	
BGO 31C	BGO 31C	4/5/1989	PVC	4	10	273.3	271.1	84.7	94.7	186.4	176.4	3682451	437785	
BGO 31D	BGO 31D	2/11/1989	PVC	4	20	273.9	271.6	40.5	60.5	231.1	211.1	3682457	437790	
BGO 32D	BGO 32D	12/16/1988	PVC	4	20	281.9	279.5	45	65	234.5	214.5	3682467	437937	
BGO 33C	BGO 33C	4/4/1989	PVC	4	10	279.6	277.4	89.6	99.6	187.8	177.8	3682483	438088	
BGO 33D	BGO 33D	12/6/1988	PVC	4	20	280.5	278.1	45	65	233.1	213.1	3682483	438093	
BGO 34D	BGO 34D	12/7/1988	PVC	4	20	275.1	272.7	40	60	232.7	212.7	3682493	438232	
BGO 35C	BGO 35C	4/3/1989	PVC	4	10	273.7	271.4	99.5	109.5	171.9	161.9	3682509	438395	
BGO 35D	BGO 35D	12/8/1988	PVC	4	20	273.8	271.4	32	52	239.4	219.4	3682509	438399	
BGO 36D	BGO 36D	12/8/1988	PVC	4	20	275.7	273.3	30	50	243.3	223.3	3682518	438517	
BGO 37C	BGO 37C	3/31/1989	PVC	4	10	286.5	284.3	105.5	115.5	178.8	168.8	3682528	438658	
BGO 37D	BGO 37D	12/9/1988	PVC	4	20	287.5	285.1	39	59	246.1	226.1	3682529	438662	
BGO 38D	BGO 38D	12/15/1988	PVC	4	20	291.8	289.3	47	67	242.3	222.3	3682536	438756	
BGO 39A	BGO 39A	9/12/1994	*PVC*	*2*	10	296.4	293.7	198.9	208.9	94.8	84.8	3682644	438778	
BGO 39C	BGO 39C	9/12/1994	PVC	2	10	296.9	293.6	108.7	118.7	184.9	174.9	3682640	438778	
BGO 39D	BGO 39D	12/14/1988	PVC	4	20	295.9	293.7	49	69	244.7	224.7	3682648	438778	
BGO 40D	BGO 40D	3/14/1991	PVC	4	9.9	288.5	286.4	59.9	69.8	226.5	216.6	3682702	437536	
BGO 41A	BGO 41A	5/24/1991	*PVC*	*4*	10	300.5	298.3	185	195	113.3	103.3	3682924	437663	
BGO 42C	BGO 42C	5/10/1991	*PVC*	*4*	10	298.1	295.9	100	110	195.9	185.9	3682929	437704	
BGO 43A	BGO 43A	4/26/1991	*PVC*	*4*	10	315.1	312.9	197	207	115.9	105.9	3683222	437766	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BGO 43AA	BGO 43AA	4/1/1991	*PVC*	*4*	10	314.5	312.2	240	250	72.2	62.2	3683226	437769	
BGO 43CR	BGO 43C(R)	6/6/1991	*PVC*	*4*	10	315.5	313.4	125	135	188.4	178.4	3683213	437767	
BGO 43D	BGO 43D	4/29/1991	*PVC*	*4*	10	315.5	313.2	105	115	208.2	198.2	3683218	437763	
BGO 44A	BGO 44A	7/18/1991	*PVC*	*4*	10	285.5	283	175	185	108	98	3683433	438214	
BGO 44AA	BGO 44AA	6/18/1991	*PVC*	*4*	10.1	285.4	283.3	212	222.1	71.3	61.2	3683439	438221	
BGO 44B	BGO 44B	6/27/1991	*PVC*	*4*	10	285.3	283.1	125	135	158.1	148.1	3683436	438218	
BGO 44C	BGO 44C	6/21/1991	*PVC*	*4*	10	285.7	283.4	82.8	92.8	200.6	190.6	3683441	438225	
BGO 44D	BGO 44D	6/13/1991	*PVC*	*4*	10	285.6	283.4	50	60	233.4	223.4	3683445	438228	
BGO 45A	BGO 45A	3/6/1991	*PVC*	*4*	10	279.1	276.9	150	160	126.9	116.9	3682613	437567	
BGO 45B	BGO 45B	3/8/1991	*PVC*	*4*	10	278.7	276.6	129.6	139.6	147	137	3682618	437569	
BGO 45C	BGO 45C	3/11/1991	*PVC*	*4*	10	278.8	276.5	76	86	200.5	190.5	3682619	437573	
BGO 45D	BGO 45D	3/14/1991	*PVC*	*4*	20	278.8	276.6	47	67	229.6	209.6	3682625	437572	
BGO 46B	BGO 46B	11/12/1991	*PVC*	*4*	10	265.6	263.4	113	123	150.4	140.4	3682393	437688	
BGO 46C	BGO 46C	11/19/1991	*PVC*	*4*	10	265.2	263	75	85	188	178	3682393	437683	
BGO 46D	BGO 46D	11/19/1991	*PVC*	*4*	10	265.3	263.1	51	61	212.1	202.1	3682394	437678	
BGO 47A	BGO 47A	4/15/1991	*PVC*	*4*	10	267	264.8	168	178	96.8	86.8	3682407	437854	
BGO 47C	BGO 47C	4/22/1991	*PVC*	*4*	10	267.8	265.6	77	87	188.6	178.6	3682416	437855	
BGO 47D	BGO 47D	4/17/1991	*PVC*	*4*	10	267.6	265.4	52	62	213.4	203.4	3682411	437855	
BGO 48C	BGO 48C	5/6/1991	*PVC*	*4*	10	276.8	274.7	88	98	186.7	176.7	3682413	437929	
BGO 48D	BGO 48D	5/9/1991	*PVC*	*4*	10	277.1	275	63	73	212	202	3682409	437931	
BGO 49A	BGO 49A	5/14/1991	*PVC*	*4*	10	271.4	269.1	184	194	85.1	75.1	3682435	438320	
BGO 49C	BGO 49C	5/24/1991	*PVC*	*4*	10	271.3	269	93	103	176	166	3682438	438317	
BGO 49D	BGO 49D	5/24/1991	*PVC*	*4*	20	271.7	269.5	31	51	238.5	218.5	3682441	438314	
BGO 50A	BGO 50A	11/27/1991	*PVC*	*4*	10	255.6	253.5	153	163	100.5	90.5	3682392	437589	
BGO 50C	BGO 50C	11/27/1991	*PVC*	*4*	10	255.7	253.5	81	91	172.5	162.5	3682392	437595	
BGO 50D	BGO 50D	11/27/1991	*PVC*	*4*	20	256.2	254	26	46	228	208	3682392	437599	

Table A-1. MWMF Monitoring Well Construction Details

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BGO 51A	BGO 51A	6/3/1994	*PVC*	*4*	10	289.6	287.1	202	212	85.1	75.1	3682785	438682	
BGO 51AA	BGO 51AA	5/31/1994	*PVC*	*4*	10	289.5	287.2	248	258	39.2	29.2	3682785	438692	
BGO 51B	BGO 51B	6/7/1994	*PVC*	*4*	10	289.4	286.9	160	170	126.9	116.9	3682785	438685	
BGO 51C	BGO 51C	6/8/1994	*PVC*	*4*	10	289.3	287.1	102	112	185.1	175.1	3682785	438687	
BGO 51D	BGO 51D	6/8/1994	*PVC*	*4*	20	289.6	287.1	47	67	240.1	220.1	3682785	438690	
BGO 52A	BGO 52A	9/14/1994	*PVC*	*4*	10	284.4	281.7	190	200	91.7	81.7	3682790	438431	
BGO 52AA	BGO 52AA	8/11/1994	*PVC*	*4*	10	284.5	281.6	235	245	46.6	36.6	3682791	438428	
BGO 52B	BGO 52B	9/19/1994	*PVC*	*4*	10	284.4	281.7	145	155	136.7	126.7	3682790	438433	
BGO 52C	BGO 52C	9/23/1994	*PVC*	*4*	10	284.5	281.4	92.7	102.7	188.7	178.7	3682790	438435	
BGO 52D	BGO 52D	9/23/1994	*PVC*	*4*	20	284.8	282.1	42.7	62.7	239.4	219.4	3682790	438438	
BGO 53A	BGO 53A	12/1/1994	*PVC*	*4*	10	291.5	288.7	200	210	88.7	78.7	3682829	437739	
BGO 53AA	BGO 53AA	11/18/1994	*PVC*	*4*	10	291.78	288.9	240	250	48.9	38.9	3682829	437742	
BGO 53B	BGO 53B	12/2/1995	*PVC*	*4*	10	291.5	288.6	135.1	145.1	153.5	143.5	3682829	437736	
BGO 53C	BGO 53C	12/2/1994	*PVC*	*4*	10	291.3	288.4	95.2	105.2	193.2	183.2	3682829	437733	
BGO 53D	BGO 53D	12/7/1994	*PVC*	*4*	20	292	289	43.7	63.7	245.3	225.3	3682826	437742	
BGX 1A	BGX 01A	4/12/1991	*PVC*	*4*	10	291.3	289.1	165	175	124.1	114.1	3683584	438383	
BGX 1C	BGX 01C	4/25/1991	*PVC*	*4*	10	291.4	289.3	103.3	113.3	186	176	3683583	438387	
BGX 1D	BGX 01D	4/29/1991	*PVC*	*4*	20	291.4	289.2	54.5	74.5	234.7	214.7	3683582	438391	
BGX 2B	BGX 02B	2/15/1991	*PVC*	*4*	10	291.5	289.2	142	152	147.2	137.2	3683616	438234	
BGX 2D	BGX 02D	3/1/1991	*PVC*	*4*	10	291.3	289.1	98	108	191.1	181.1	3683615	438238	
BGX 3D	BGX 03D	2/7/1991	*PVC*	*4*	20	291.4	289.1	67.5	87.5	221.6	201.6	3683623	438050	
BGX 4A	BGX 04A	1/22/1991	*PVC*	*4*	10	291	288.8	172	182	116.8	106.8	3683596	437856	
BGX 4C	BGX 04C	1/29/1991	*PVC*	*4*	10	290.9	288.7	108	118	180.7	170.7	3683595	437852	
BGX 4D	BGX 04D	1/29/1991	*PVC*	*4*	20	291.1	288.8	65	85	223.8	203.8	3683594	437846	
BGX 5D	BGX 05D	2/5/1991	*PVC*	*4*	20	285.2	283	68	88	215	195	3683741	437785	
BGX 6D	BGX 06D	4/15/1991	*PVC*	*4*	20	277.2	275	64	84	211	191	3683863	437778	6/20/2012

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BGX006DR	BGX006DR	6/21/2012	*PVC*	*2*	20	278.9	276.4	73	93	203.4	183.4	3683838	437734	
BGX 7D	BGX 07D	4/12/1991	*PVC*	*4*	20	279.4	277.1	63	83	214.1	194.1	3683908	438042	
BGX 8DR	BGX 08D(R)	6/6/1991	*PVC*	*4*	20	278.4	276.1	73	93	203.1	183.1	3683834	438334	
BGX 9D	BGX 09D	3/18/1991	PVC	4	20	279.6	277.4	45	65	232.4	212.4	3683777	438594	
BGX 10D	BGX 10D	2/6/1991	PVC	4	20	277	274.8	38.6	58.6	236.2	216.2	3683635	438789	
BGX 11D	BGX 11D	1/24/1991	*PVC*	*4*	20	276.5	273.8	37.1	57.1	236.7	216.7	3683385	438902	
BGX 12C	BGX 12C	1/21/1991	PVC	4	10	275.3	273.1	89	99	184.1	174.1	3683187	439081	
BGX 12D	BGX 12D	1/21/1991	PVC	4	20	275.4	273.2	29.5	49.5	243.7	223.7	3683182	439084	
BGX 13D	BGX 13D	11/1/2010	PVC	4	10	278.57	275.78	72.8	82.8	202.98	192.98	3683849	438267	
BSE 1C1	BSE 01C	9/10/1997	PVC	4	2.5	292.07	283.65	112.06	114.56	171.59	169.09	3682435	438675	
BSE 1C2	BSE 01C	9/10/1997	PVC	4	2.5	292.07	283.65	130.62	133.12	153.03	150.53	3682435	438675	
BSE 1C3	BSE 01C	9/10/1997	PVC	4	2.5	292.07	283.65	143.16	145.66	140.49	137.99	3682435	438675	
BSE 1C4	BSE 01C	9/10/1997	PVC	4	2.5	292.07	283.65	158.2	160.7	125.45	122.95	3682435	438675	
BSE 1D1	BSE 01D	9/10/1997	PVC	4	2.5	286.52	283.76	57.48	59.98	226.28	223.78	3682436	438679	
BSE 1D2	BSE 01D	9/10/1997	PVC	4	2.5	286.52	283.76	70.02	72.52	213.74	211.24	3682436	438679	
BSE 1D3	BSE 01D	9/10/1997	PVC	4	2.5	286.52	283.76	80.04	82.54	203.72	201.22	3682436	438679	
BSE 1D4	BSE 01D	9/10/1997	PVC	4	2.5	286.52	283.76	97.6	100.1	186.16	183.66	3682436	438679	
BSE 2CR1	BSE 02C(R)	10/24/2001	PVC	2	2.5	287.09	286.09	107.9	110.4	178.19	175.69	3682277	438725	
BSE 2CR2	BSE 02C(R)	10/24/2001	PVC	2	2.5	287.09	286.09	127.4	129.9	158.69	156.19	3682277	438725	
BSE 2CR3	BSE 02C(R)	10/24/2001	PVC	2	2.5	287.09	286.09	137.9	140.4	148.19	145.69	3682277	438725	
BSE 2CR4	BSE 02C(R)	10/24/2001	PVC	2	2.5	287.09	286.09	153.4	155.9	132.69	130.19	3682277	438725	
BSE 2D1	BSE 02D	9/2/1997	PVC	4	2.5	286.48	279.72	53.48	55.98	226.24	223.74	3682407	438602	
BSE 2D2	BSE 02D	9/2/1997	PVC	4	2.5	286.48	279.72	66.02	68.52	213.7	211.2	3682407	438602	
BSE 2D3	BSE 02D	9/2/1997	PVC	4	2.5	286.48	279.72	76.04	78.54	203.68	201.18	3682407	438602	
BSE 2D4	BSE 02D	9/2/1997	PVC	4	2.5	286.48	279.72	93.6	96.1	186.12	183.62	3682407	438602	
BSE 3C1	BSE 03C	8/21/1997	PVC	4	2.5	287.07	286.07	112.78	115.28	173.29	170.79	3682276	438728	8/23/2024

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BSE 3C2	BSE 03C	8/21/1997	PVC	4	2.5	287.07	286.07	132.84	135.34	153.23	150.73	3682276	438728	8/23/2024
BSE 3C3	BSE 03C	8/21/1997	PVC	4	2.5	287.07	286.07	145.4	147.9	140.67	138.17	3682276	438728	8/23/2024
BSE 3C4	BSE 03C	8/21/1997	PVC	4	2.5	287.07	286.07	160.46	162.96	125.61	123.11	3682276	438728	8/23/2024
BSE 3CR	BSE 03CR	8/27/2024	PVC	2	10	290.01	286.84	118.21	128.21	168.63	158.63	3682484	438737	
BSE 3D1	BSE 03D	9/2/1997	PVC	4	2.5	287.09	286.09	63.72	66.22	222.37	219.87	3682277	438725	
BSE 3D2	BSE 03D	9/2/1997	PVC	4	2.5	287.09	286.09	71.24	73.74	214.85	212.35	3682277	438725	
BSE 3D3	BSE 03D	9/2/1997	PVC	4	2.5	287.09	286.09	81.26	83.76	204.83	202.33	3682277	438725	
BSE 3D4	BSE 03D	9/2/1997	PVC	4	2.5	287.09	286.09	93.8	96.3	192.29	189.79	3682277	438725	
BSW 1C1	BSW 01C	4/7/2000	PVC	2	2.51	256.68	254.88	74.38	76.89	180.5	177.99	3682223	437629	
BSW 1C2	BSW 01C	4/7/2000	PVC	2	2.5	256.72	254.88	83.88	86.38	171	168.5	3682223	437629	
BSW 1C3	BSW 01C	4/7/2000	PVC	2	2.5	256.72	254.88	101.38	103.88	153.5	151	3682223	437629	
BSW 1C4	BSW 01C	4/7/2000	PVC	2	2.5	256.71	254.88	108.88	111.38	146	143.5	3682223	437629	
BSW 1D1	BSW 01D	4/10/2000	PVC	2	2.5	256.63	254.63	39.46	41.96	215.17	212.67	3682221	437630	
BSW 1D2	BSW 01D	4/10/2000	PVC	2	2.5	256.62	254.63	48.97	51.47	205.66	203.16	3682221	437630	
BSW 1D3	BSW 01D	4/10/2000	PVC	2	2.51	256.63	254.63	60.49	63	194.14	191.63	3682221	437630	
BSW 2C1	BSW 02C	4/11/2000	PVC	2	2.51	241.42	240.06	71.88	74.39	168.18	165.67	3682210	437732	9/3/2024
BSW 2C2	BSW 02C	4/11/2000	PVC	2	2.51	241.41	240.06	96.38	98.89	143.68	141.17	3682210	437732	9/3/2024
BSW 2C3	BSW 02C	4/11/2000	PVC	2	2.51	241.39	240.06	103.89	106.4	136.17	133.66	3682210	437732	9/3/2024
BSW 2CR	BSW 02CR	9/5/2024	PVC	2	10	244.55	241.07	71.7	81.7	169.37	159.37	3682421	437744	
BSW 2D1	BSW 02D	4/13/2000	PVC	2	2.51	241.94	240.01	23.4	25.91	216.61	214.1	3682212	437734	
BSW 2D2	BSW 02D	4/13/2000	PVC	2	2.51	241.93	240.01	29.91	32.42	210.1	207.59	3682212	437734	
BSW 2D3	BSW 02D	4/13/2000	PVC	2	2.51	241.92	240.01	52.42	54.93	187.59	185.08	3682212	437734	
BSW 3C1	BSW 03C	4/4/2000	PVC	2	2.5	260.35	128.3	78.87	81.37	49.43	46.93	3682238	437857	
BSW 3C2	BSW 03C	4/4/2000	PVC	2	2.5	260.35	258.52	96.57	99.07	161.95	159.45	3682238	437857	
BSW 3C3	BSW 03C	4/4/2000	PVC	2	2.51	260.36	258.52	108.87	111.38	149.65	147.14	3682238	437857	
BSW 3C4	BSW 03C	4/4/2000	PVC	2	2.5	260.34	258.52	123.38	125.88	135.14	132.64	3682238	437857	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BSW 3D1	BSW 03D	4/5/2000	PVC	2	2.5	259.54	258.18	39.91	42.41	218.27	215.77	3682234	437857	
BSW 3D2	BSW 03D	4/5/2000	PVC	2	2.51	259.53	258.18	53.41	55.92	204.77	202.26	3682234	437857	
BSW 4C1	BSW 04C	3/29/2000	PVC	2	2.51	267.56	266.44	93.38	95.89	173.06	170.55	3682258	437960	
BSW 4C2	BSW 04C	3/29/2000	PVC	2	2.5	267.42	266.44	110.88	113.38	155.56	153.06	3682258	437960	
BSW 4C3	BSW 04C	3/29/2000	PVC	2	2.51	267.52	266.44	125.39	127.9	141.05	138.54	3682258	437960	
BSW 4D1	BSW 04D	3/31/2000	PVC	2	2.5	268.56	266.61	47.39	49.89	219.22	216.72	3682259	437956	
BSW 4D2	BSW 04D	3/31/2000	PVC	2	2.5	268.51	266.61	61.89	64.39	204.72	202.22	3682259	437956	
BSW 4D3	BSW 04D	3/31/2000	PVC	2	2.5	268.56	266.61	67.39	69.89	199.22	196.72	3682259	437956	
BSW 5C1	BSW 05C	3/14/2000	PVC	2	2.5	257.31	255.41	80.87	83.37	174.54	172.04	3682079	437625	
BSW 5C2	BSW 05C	3/14/2000	PVC	2	2.5	257.23	255.41	90.37	92.87	165.04	162.54	3682079	437625	
BSW 5C3	BSW 05C	3/14/2000	PVC	2	2.5	257.05	255.41	109.88	112.38	145.53	143.03	3682079	437625	
BSW 5C4	BSW 05C	3/14/2000	PVC	2	2.5	257.21	255.41	121.38	123.88	134.03	131.53	3682079	437625	
BSW 5D1	BSW 05D	3/16/2000	PVC	2	2.51	257.24	255.5	41.43	43.94	214.07	211.56	3682082	437625	
BSW 5D2	BSW 05D	3/16/2000	PVC	2	2.52	257.25	255.5	51.94	54.46	203.56	201.04	3682082	437625	
BSW 5D3	BSW 05D	3/16/2000	PVC	2	2.5	257.37	255.5	60.46	62.96	195.04	192.54	3682082	437625	
BSW 6C1	BSW 06C	3/8/2000	PVC	2	2.5	244.06	242.16	67.4	69.9	174.76	172.26	3681891	437651	
BSW 6C2	BSW 06C	3/8/2000	PVC	2	2.5	244.05	242.16	78.9	81.4	163.26	160.76	3681891	437651	
BSW 6C3	BSW 06C	3/8/2000	PVC	2	2.5	243.89	242.16	85.4	87.9	156.76	154.26	3681891	437651	
BSW 6C4	BSW 06C	3/8/2000	PVC	2	2.5	244.07	242.16	104.9	107.4	137.26	134.76	3681891	437651	
BSW 6D1	BSW 06D	3/10/2000	PVC	2	2.5	244.65	242.41	29.4	31.9	213.01	210.51	3681893	437652	
BSW 6D2	BSW 06D	3/10/2000	PVC	2	2.5	244.62	242.41	35.9	38.4	206.51	204.01	3681893	437652	
BSW 6D3	BSW 06D	3/10/2000	PVC	2	2.5	244.65	242.41	44.4	46.9	198.01	195.51	3681893	437652	
BSW 7C1	BSW 07C	3/20/2000	PVC	2	2.5	249.34	248.01	76.89	79.39	171.12	168.62	3681994	437755	
BSW 7C2	BSW 07C	3/20/2000	PVC	2	2.51	249.3	248.01	89.39	91.9	158.62	156.11	3681994	437755	
BSW 7C3	BSW 07C	3/20/2000	PVC	2	2.5	249.31	248.01	102.91	105.41	145.1	142.6	3681994	437755	
BSW 7C4	BSW 07C	3/20/2000	PVC	2	2.51	249.32	248.01	120.42	122.93	127.59	125.08	3681994	437755	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
BSW 7D1	BSW 07D	3/23/2000	PVC	2	2.51	250.63	248.7	40.41	42.92	208.29	205.78	3681995	437751	
BSW 7D2	BSW 07D	3/23/2000	PVC	2	2.51	250.67	248.7	49.92	52.43	198.78	196.27	3681995	437751	
BSW 7D3	BSW 07D	3/23/2000	PVC	2	2.5	250.68	248.7	64.93	67.43	183.77	181.27	3681995	437751	
BSW 8C1	BSW 08C	3/27/2000	PVC	2	2.5	234.04	231.79	55.98	58.48	175.81	173.31	3682031	437905	
BSW 8C2	BSW 08C	3/27/2000	PVC	2	2.5	234.04	231.79	70.48	72.98	161.31	158.81	3682031	437905	
BSW 8C3	BSW 08C	3/27/2000	PVC	2	2.51	234.03	231.79	91.97	94.48	139.82	137.31	3682031	437905	
BSW 8C4	BSW 08C	3/27/2000	PVC	2	2.51	234.05	231.79	104.48	106.99	127.31	124.8	3682031	437905	
BSW 8D1	BSW 08D	3/28/2000	PVC	2	2.5	233.5	232.27	21.9	24.4	210.37	207.87	3682030	437908	
BSW 8D2	BSW 08D	3/28/2000	PVC	2	2.51	233.47	232.27	33.4	35.91	198.87	196.36	3682030	437908	
BSW 8D3	BSW 08D	3/28/2000	PVC	2	2.5	233.45	232.27	39.9	42.4	192.37	189.87	3682030	437908	
FAB 2	(1)	5/9/1994	PVC	4	20	328.5	326.5	90	110	236.5	216.5	3683122	437418	
FAB002MC	**(4)**	2/24/2004	PVC	2	10	329.07	326.5	130	140	196.5	186.5	3683126.88	437417.558	
FCB 2	FCB 02	9/3/1981	PVC	4	30	307.5	305.2	70	100	235.2	205.2	3682911	437537	11/3/2003
FCB 2C	(2)	11/10/2003	PVC	2	10.2	308.51	305.6	124.7	134.72	180.9	170.88	3682918	437536	
FCB 2D	**(1)**	**11/10/2003**	**PVC**	**2**	**10.2**	**308.02**	**305.3**	**70.34**	**80.36**	**234.96**	**224.94**	**3682916**	**437534**	
FCB 2D	**(1)**	**11/10/2003**	**PVC**	**2**	**10.2**	**308.02**	**305.3**	**80.36**	**90.38**	**224.94**	**214.92**	**3682916**	**437534**	
FSS 1D	FSS 01D	10/6/1988	PVC	4	20	266.3	263.9	34	54	229.9	209.9	3682355	437509	
FSS 2D	FSS 02D	10/7/1988	PVC	4	20	261.8	259.4	35	55	224.4	204.4	3682321	437542	
FSS 3D	FSS 03D	10/10/1988	PVC	4	20	258.4	255.8	30	50	225.8	205.8	3682219	437476	
FSS003C	FSS003C	6/29/2012	PVC	2	20	258.96	256	74.5	94.5	181.5	161.5	3682219	437472	
FSS 4D	FSS 04D	10/16/1988	PVC	4	20	292	289.8	67.2	87.2	222.6	202.6	3682241	437207	
HIW5MC	**HIW5MC**	**11/12/1993**	**PVC**	**4**	**29.9**	**268.2**	**266.1**	**84.1**	**114**	**182**	**152.1**	**3682402.9**	**438454.745**	
HIW5MC	**HIW5MC**	**11/12/1993**	**PVC**	**4**	**14.8**	**268.2**	**266.1**	**129**	**143.8**	**137.1**	**129**	**3682402.9**	**438454.745**	
HMD 1D	HMD 01D	2/1/1991	*PVC*	*4*	20	264.7	262.7	43	63	219.7	199.7	3683762	437644	
HMD 2D	HMD 02D	2/1/1991	*PVC*	*4*	20	261.4	259.3	48.5	68.5	210.8	190.8	3684046	437549	
HMD 3D	HMD 03D	2/1/1991	*PVC*	*4*	20	259.6	257.5	49.8	69.8	207.7	187.7	3684110	437682	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
HMD 4B	HMD 04B	5/18/2001	*PVC*	*4*	10.04	251.24	248.72	75	85.04	173.72	163.68	3684088	437869	
HMD 4D	HMD 04D	2/1/1991	*PVC*	*4*	20	251.1	248.5	39.6	59.6	208.9	188.9	3684086	437866	
HSB 85A	HSB 85A	7/1/1984	PVC	3	10	294.5	292.1	221	231	71.1	61.1	3682899	439015	
HSB 85B	HSB 85B	7/1/1984	PVC	4	10	294.7	292	148.8	158.8	143.2	133.2	3682900	439018	
HSB 85C	HSB 85C	8/1/1984	PVC	4	10	294.3	292	67.8	77.8	224.2	214.2	3682902	439014	
HSB142C	HSB 142C	11/5/1990	PVC	4	10	204.2	201.6	30	40	171.6	161.6	3681758	437796	
HSB142D	HSB142D	11/5/1990	PVC	4	10	204.4	201.7	2	12	199.7	189.7	3681754	437794	
HSB143C	HSB 143C	10/9/1990	PVC	4	10	222.4	220.1	41	51	179.1	169.1	3681779	437505	
HSB143D	HSB 143D	10/9/1990	PVC	4	20	223.1	220.9	4	24	216.9	196.9	3681783	437502	
HSB151C	HSB 151C	8/9/1990	PVC	4	10	213.8	211.6	31	41	180.6	170.6	3681819	437943	
HSB151D	HSB 151D	8/20/1990	PVC	4	10	213.8	211.6	4	14	207.6	197.6	3681821	437946	9/18/2003
HSB151DR	(2)	9/8/2003	PVC	2	5.03	214.16	211	14.76	19.79	196.24	191.21	3681819	437939	
NEP 1D	NEP 01D	5/18/2001	PVC	2	10.02	260.27	257.75	64	74.02	193.75	183.73	3684180	437358	8/14/2024
NEP 1DR	NEP 01DR	9/18/2024	PVC	2	10	260.291	257.144	64.9	74.9	192.244	182.244	3684388	437371	
NEP 2D	NEP 02D	5/21/2001	PVC	2	10.01	267.98	265.35	65	75.01	200.35	190.34	3684137	437511	
NEP 4D	NEP 04D	5/18/2001	PVC	2	10	233.32	230.72	34	44	196.72	186.72	3684136	438473	
NEP 3D	*NEP 03D*	*5/15/2001*	*PVC*	*2*	*10*		*238.91*	*45*	*55*	*193.91*	*183.91*	*78358*	*59278*	
NWP 1B	NWP 01B	6/5/2001	PVC	2	10.02	275.76	273.36	92	102.02	181.36	171.34	3683413	437742	
NWP 1D	NWP 01D	6/5/2001	PVC	2	10.1	275.06	272.72	60	70.1	212.72	202.62	3683420	437742	
NWP 2D	NWP 02D	5/24/2001	PVC	2	10.02	249.8	247.33	45	55.02	202.33	192.31	3683875	437500	
NWP 3C	NWP 03C	6/5/2001	PVC	2	10.2	315.69	313.17	114	124.02	199.17	189.15	3682996	437579	
NWP 3D	NWP 03D	5/25/2001	PVC	2	20.12	315.93	313.45	78	98.12	235.45	215.33	3683000	437577	
NWP101D	NWP 101D	2/17/1999	PVC	2	10	336	333.59	110	120	223.59	213.59	3683188	437540	
NWP202C	NWP 202C	2/16/1999	PVC	2	10	336.61	334.3	150.8	160.8	183.5	173.5	3683189	437519	
NWP302A	(1)	3/17/1999	PVC	2	10	337.91	333.37	254	264	79.37	69.37	3683183	437494	
NWP303A	(1)	2/11/1999	PVC	2	10	329.43	326.71	201	211	125.71	115.71	3683117	437420	

Table A-1. MWMF Monitoring Well Construction Details

Monitoring Well Designation as Used in This Report	Monitoring Well Designation as Used in the MWMF RCRA Part B Permit Application (Rev. 6)	Installation Date (mo/day/yr)	Well Casing/ Screen Material	Well Casing Diameter (in)	Length of Screen (ft)	Top of Casing Reference Elevation (ft msl)	Land Surface/ Ground Elevation (ft msl)	Top Depth of Screen (ft below land surface)	Bottom Depth of Screen (ft below land surface)	Top of Screen Elevation (ft msl)	Bottom of Screen Elevation (ft msl)	Northing	Easting	Date Abandoned (mo/day/yr)
SEP001MD	**(4)**	2/23/2004	PVC	2	20	268.01	265.45	40	60	225.45	205.45	3682401.23	438450.548	
SEP002B	**(4)**	2/17/2004	PVC	2	10	214.93	212.35	57	67	155.35	145.35	3681765.31	438145.86	
SEP002D	**(4)**	2/18/2004	PVC	2	10	214.86	212.3	30	40	182.3	172.3	3681765.4	438143.731	
SEP003CL	**(4)**	2/19/2004	PVC	2	10	254.85	252.35	100	110	152.35	142.35	3682116.16	438168.098	
SEP003CU	**(4)**	2/20/2004	PVC	2	10	254.7	252.25	76	86	176.25	166.25	3682116.62	438166.045	
SWP 1C	(1)	10/30/2003	PVC	2	10	280.86	278.2	96.35	106.35	181.85	171.85	3682390	438000	
SWP 2C	(1)	10/31/2003	PVC	2	10.02	272.04	269.4	88.34	98.36	181.06	171.04	3682438	438172	
SWP 3D	**(1)**	**10/31/2003**	**PVC**	**2**	**15.02**	**269.03**	**266.4**	**57.77**	**72.79**	**208.63**	**193.61**	**3682277**	**438022**	
SWP 3D	**(1)**	**10/31/2003**	**PVC**	**2**	**5.01**	**269.03**	**266.4**	**47.75**	**52.76**	**218.65**	**213.64**	**3682277**	**438022**	
SWP004MD	**(4)**	2/25/2004	PVC	2	10	257.73	255.1	58	68	197.1	187.1	3682086.21	437624.581	
SWP005C	SWP005C	7/2/2012	PVC	2	10	253.39	249.55	75	85	174.55	164.55	3682075	437442	
SWP005D	SWP005D	7/3/2012	PVC	2	20	252.18	249.42	30	50	219.42	199.42	3682073	437441	
SWP006C	SWP006C	7/9/2012	PVC	2	10	253.56	250.64	70	80	180.64	170.64	3681951	437467	
SWP006D	SWP006D	7/9/2012	PVC	2	20	253.69	250.88	29.5	49.5	221.38	201.38	3681950	437470	
HSB 66DR	**(5)**	10/1/2003	PVC	2	20	281.9	278.6	70	90	208.59	188.57	3682203.93	438759.879	
HSB 119C	**(5)**	11/26/2003	PVC	2	10	257.95	255	95.18	105.17	159.82	149.83	3682218.85	438441.82	
HSB 120C	**(5)**	12/3/2003	PVC	2	10	268.28	265.3	100.02	110.02	165.28	155.28	3682348.43	438473.476	
HSB 154D	**(5)**	12/3/2003	PVC	2	10	264.84	261.6	46.92	56.92	214.68	204.68	3682175.78	438639.034	

(1) Added to the monitoring program or installed in 2003; however, will not be sampled for the first time until 1Q04.
(2) Replacement well for HSB151D and sampled for the first time in 4Q03.
(3) Installed in 2003; however, will not be sampled for the first time until 2Q04.
(4) Installed in 2004; however, will not be sampled for the first time until 2Q04.

Italics indicate from ESH-EMS-2000470, Environmental Protection Department's Well Inventory (U), March 2001.
Bold indicates two screen zones.

Table A-2. F-Area HWMF, H-Area HWMF, and MWMF PWMS Wells

F-Area HWMF PWMS Wells					H-Area HWMF PWMS Wells	
Well ID	**PWMS Type**	**Well ID**	**PWMS Type**		**Well ID**	**PWMS Type**
FSB 77	Tank	FSB 104D	Tank		HSB 67	Tank
FSB 78	Tank	FSB 105C	Tank		HSB 69	Tank
FSB 78C	TAP	FSB 106C	Tank		HSB 84D	Tank
FSB 79	Tank	FSB 107C	TAP		HSB 86C	Tank
FSB 79C	Tank	FSB 107D	Tank		HSB 86D	Tank
FSB 87C	TAP	FSB 110C	TAP		HSB 102D	Tank
FSB 89D	Tank	FSB 110D	Tank		HSB 103D	Tank
FSB 91D	Tank	FSB 112DR	Tank		HSB 104D	Tank
FSB 92D	Tank	FSB 117D	Tank		HSB 105D	Tank
FSB 93C	TAP	FSB 119D	Tank		HSB 106D	Tank
FSB 94C	TAP	FSB 120C	TAP		HSB 107D	Tank
FSB 94DR	Tank	FSB 121C	TAP		HSB 108D	Tank
FSB 97C	TAP	FSB 121DR	Tank		HSB 109D	Tank
FSB 98C	TAP	FSB 122C	TAP		HSB 114D	Tank
FSB 99C	TAP	FSB 127D	Tank		HSB 115D	Tank
FSB 104C	TAP				HSB 116D	Tank
					HSB 134D	Tank
					HSB 136D	Tank
					HSB 139D	Tank
MWMF PWMS Wells						
Well ID	**PWMS Type**					
BGO 6D	Tank					
BGO 7D	Tank					
BGO 12DR	Tank					
BGO 14CR	Tank					
BGO 14DR	Tank					
BGO 27C	TAP					
BGO 28D	Tank					
BGO 30C	TAP					
BGO 31D	Tank					
BGO 33C	TAP					
BGO 37C	TAP					
BGO 41A	Tank					
BGO 42C	Tank					
BGO 46C	TAP					
BGO 46D	Tank					
BGO 48C	TAP					
BGO 48D	Tank					
BGO 50C	TAP					
BGO 53C	Tank					
BGX 2D	Tank					

APPENDIX B

F-AREA, H-AREA, AND MIXED WASTE MANAGEMENT FACILITY GROUNDWATER AND SURFACE WATER MONITORING RESULTS TABLES

List of Matrix Tables (Annual)

Table B-1a 2025 F Area Annual Compliance Monitoring (UAZ of the UTRAU)
Table B-1b 2025 F-Area Compliance Monitoring (LAZ of the UTRAU)
Table B-1c 2025 F-Area Compliance Monitoring (GAU)
Table B-2a 2025 H Area Annual Compliance Monitoring (UAZ of the UTRAU)
Table B-2b 2025 H-Area Annual Compliance Monitoring (LAZ of the uTRAU)
Table B-2c 2025 H-Area Annual Compliance Monitoring (GAU)
Table B-3 2025 F Area Seepline Piezometer and Surface Water Monitoring
Table B-4 2025 H Area Seepline Piezometer and Surface Water Monitoring
Table B-5 2025 F Area Annual Appendix IX Monitoring
Table B-6 2025 H Area Annual Appendix IX Monitoring
Table B-7a 2025 SWP Annual Compliance Monitoring (UAZ of the UTRAU)
Table B-7b 2025 SWP Annual Compliance Monitoring (LAZ of the UTRAU)
Table B-7c 2025 SWP Annual Compliance Monitoring (GAU)
Table B-8a 2025 SEP Annual Compliance Monitoring (UAZ of the UTRAU)
Table B-8b 2025 SEP Annual Compliance Monitoring (LAZ of the UTRAU)
Table B-8c 2025 SEP Annual Compliance Monitoring (GAU)
Table B-9a 2025 NEP Annual Compliance Monitoring (UAZ of the UTRAU)
Table B-9b 2025 NEP Annual Compliance Monitoring (LAZ of the UTRAU)
Table B-9c 2025 NEP Annual Compliance Monitoring (GAU)
Table B-10a 2025 NWP Annual Compliance Monitoring (UAZ of the UTRAU)
Table B-10b 2025 NWP Annual Compliance Monitoring (LAZ of the UTRAU)
Table B-10c 2025 NWP Annual Compliance Monitoring (GAU)
Table B-11 2025 SWP Surface Water and Seepline Sampling
Table B-12 2025 NWP/NEP Surface Water Sampling
Table B-13 3Q25 SWP Annual Appendix IX and CRML Monitoring
Table B-14 3Q25 SEP Annual Appendix IX and CRML Monitoring
Table B-15 3Q25 NEP Annual Appendix IX and CRML Monitoring
Table B-16 3Q25 NWP Annual Appendix IX and CRML Monitoring

Available Laboratories

Laboratory name	Acronym	SC Certification Number
EBL	Environmental Bioassay Lab (SRS)	02550001
GEL	General Engineering Laboratories	10120001
PACE	Pace Analytical Energy Services, LLS	89009003
SHE	Shealy Environmental Services, Inc	32010
TAL	TestAmerica Labs, Inc	85002001

Data Qualification

The qualifiers and qualification codes to be used when validating analytical data are listed in the following tables. Qualifiers are given in order of "usability," i.e., lower ones supercede higher ones as validation functions are applied. Qualification codes form a series in validation.

USEPA Functional Guideline Qualifiers	
Qualifier	**Description**
[null]	Data not remarked. The **detected** analyte result is acceptable for use as reported.
J	The **detected** analyte was positively identified but the **result is approximate**.
NJ	The **detected** analyte was only **tentatively identified** and the **result is approximate**. All usable tentatively identified compounds results receive this code.
U	The analyte was analyzed for, but **not detected**. The sample quantitation limit (SQL) is valid unless blank contamination is indicated.
UJ	The analyte was analyzed for, but **not detected**. The **Sample Quantitation Limit (SQL) is approximate**, and may be inaccurate or imprecise.
R	The sample result is **rejected** as unusable due to serious deficiencies in meeting quality control criteria. The **analyte may be present or absent**.

Qualification Codes	
Qual Codes	**Description**
(Null)	Data not remarked.
A	The result is the mean of two or more results.
C	The result is calculated.

Qualification Codes	
G	The result reported is the maximum of two or more results.
H	The result is from a field kit determination and may not be accurate.
I[1]	The result is less than the SQL, but equal to or greater than the sample-specific method detection limit (ssMDL).
K[2]	The actual concentration is suspected to be less than the reported result.
L	The actual concentration is suspected to be greater than the reported result.
Q	The sample was held beyond the normal holding time prior to analysis.
T	The result is less than the criteria of detection.
V	The analyte was detected in the method blank.
Y	The result is from an unpreserved or incorrectly preserved sample; the data may not be accurate.
Z[2]	There were too many colonies present to count; the numeric value represents the filtration volume.
1	Compound identification criteria were not met.
2	Laboratory control sample criteria were not met.
3	Instrument performance check serial dilution criteria were not met.
4	Matrix interference was present.
5	Matrix spike concentration was $\leq$ 0.25× the sample concentration, and the percent recovery cannot be determined.
6	The analyte was detected in the field blank.
7	The analyte was detected in the rinsate blank.
8	The analyte was detected in the trip blank.
9	The field duplicate relative percent difference (RPD) was not within control limits.
10	Internal standard or carrier criteria were not met when affecting quantitation.
11	Matrix spike recovery was not within the control limits.
12	A tentatively identified compound is a suspected aldol-condensation product.
13	Initial or continuing calibration criteria was not met.
14	Surrogate or tracer spike recovery is out of specification.

Qualification Codes	
15[2]	Graphite furnace atomic absorption quality control (QC) a. Duplicate injection criteria were not met. b. Post-digestion spike recovery was not within control limits and the sample absorbance is > 50% of the post-digestion spike absorbance.
16	The sample was analyzed by the method of standard additions.
17[2]	Graphite furnace atomic absorption QC: The post-digestion spike recovery is not within control limits and the sample absorbance is < 50% of the post-digestion spike absorbance.
18	The laboratory duplicate RPD or matrix spike (MS)/matrix spike duplicate RPD was not within control limits.
19	Analyte detected in storage blank.
21	Result is above detection, but less than SQL.
22	South Carolina Department of Health and Environmental Control (SCDHEC)-required certification for analyte-method combination was not held by lab.
23	Result was derived beyond the calibration range of the instrument/method.

NOTES: [1] *This code is not currently used, but may be used in the future or in other SRS programs.*

[2] *This code is redundant to another code and is not used at this time.*

Results below Detection

The contract laboratories perform method detection limit studies on an annual or as-needed basis to establish threshold values for determination of detected and nondetected constituents. Results below detection are reported differently for radiological and nonradiological analyses.

For radiological analyses, the analytical result field contains the result calculated by the analytical instrument software. Because the result is calculated, it may be reported as a value below the minimum detectable activity or even a negative number.

For nonradiological analyses, nondetected results are converted to the value of estimated quantitation limit (EQL). The EQL is defined as the lowest concentration that can be

achieved reliably for a specific sample within specified limits of precision and accuracy during routine laboratory operating conditions. The EQL is modified for sample dilution or concentration or because of an unusual aliquot size that affects analytical sensitivity. In some cases, a detected result is requalified as nondetected during the validation process. This occurs when the constituent is detected in an associated blank sample, requiring a higher detection threshold for the analytical batch or well clusters. If an analyte is reported by the laboratory as detected but is converted to a nondetect during validation, the numeric value reported by the laboratory is retained in the result column, but the < symbol is added to the record.

Data Filtering

Data in this report have been filtered per Westinghouse Savannah River Company (WSRC) protocol specifically designed Resource Conservation and Recovery Act (RCRA) groundwater reporting to define data quality objectives and data usability. The purpose of the filtering logic and the data retrieval process is to select the maximum result that has the least amount of uncertainty based upon qualifiers applied during the validation process.

Rej is used to indicate rejected data. For nondetects, <EQL for nonradiological results or the sample-specific minimum detectable activity for radiological results. For all data qualified with the United States Environmental Protection Agency (USEPA) Functional Guideline code *J*, indicating an estimated quantity, the result is replaced by the letters *NDD*, meaning that these data are considered not decision data.

None of the data classified as rejected, undetected, or estimated are considered in discussions of results above standards in this report.

Holding Times

Action when criteria are not met and the holding time is exceeded:

Criteria	**Functional Guideline Qualifier**	**Qualification Code**
Holding time exceeded by <2x	*J*-detects *UJ*-nondetects	*Q*
Holding time grossly exceeded (≥2x)	*J*-detects *R*-nondetects	*Q*

Beta Dose (F- and H-Area HWMF only)

If any beta-emitting radionuclides on the Groundwater Protection Standard (GWPS) list exceed their minimum detectable activity (MDA), beta dose is calculated and entered into the data tables in this appendix. Nondetected, rejected, or estimated values are not included in the calculation of beta dose.

The dose is obtained by dividing each detected result for beta-emitting radionuclides by the USEPA conversion factor shown in table below:

Activity to Dose Conversion Factors

Analyte	**USEPA 1976 Dose (4 mrem/yr) Limit**
Carbon-14	2,000 pCi/L
Cesium-137	200 pCi/L
Cobalt-60	100 pCi/L
Iodine-129	1 pCi/L
Radium-228*	5 pCi/L
Strontium-90	8 pCi/L
Technetium-99	900 pCi/L

*The USEPA's 1976 guidance document gives no equivalent for radium-228, so the GWPS of 5 pCi/L for the sum of radium-226 and -228 is used for radium-228.

For each well, the unfiltered activities (in pCi/L) for each of the beta emitters on the GWPS is divided by its individual limit (also in pCi/L) x 4mrem/yr, as shown below:

$A_{C\text{-}14}$/2,000 x 4mrem/yr + $A_{Cs\text{-}137}$/200 x 4mrem/yr + $A_{Co\text{-}60}$/100 x 4mrem/yr+ $A_{I\text{-}129}$/1 x 4mrem/yr + $A_{Ra\text{-}228}$/5 x 4mrem/yr + $A_{Sr\text{-}90}$/8 x 4mrem/yr + $A_{Tc\text{-}99}$/900 x 4mrem/yr = beta dose, where A is the measured activity for each radionuclide.

The beta dose for a theoretical person drinking 2 L/day of that well's water exceeds the USEPA standard of 4 mrem/yr.

Beta Dose, Sum of Beta, and Sum of Alpha (MWMF only)

Sum of beta dose <4 mrem/yr and <50 pCi/L is defined as follows: sum of beta dose <4mrem/yr = the measured concentration (pCi/L) of carbon-14/2000 x 4mrem/yr + the measured concentration (pCi/L) of iodine-129/1.0 x 4mrem/yr + the measured concentration (pCi/L) of strontium-90/8.0 x 4mrem/yr. This value must be <1.0 for sum of beta dose to be <4 mrem/yr for the period of review.

Sum of Beta: <50 pCi/L = the measured concentration (pCi/L) of carbon-14 + the measured concentration (pCi/L) of iodine 129. This value must be <50 pCi/L for the period of review.

Sum of Alpha <15 pCi/L = the measured concentration (pCi/L) of uranium-233/234 + the measured concentration (pCi/L) of uranium-235 + the measured concentration (pCi/L) of uranium-238. This value must be <15 pCi/L for the period of review.

Table B-1a. UAZ 2025 F-Area Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	PH (unitless)	SPECIFIC CONDUCTANCE (uS/cm)	WATER TEMPERATURE (degC)	TURBIDITY (NTU)	SAMPLING EVENT WATER ELEVATION (ft)	Constituent (CWPS Unit)	FIELD CONDITIONS (n/a)	ALUMINUM (ug/L)	ANTIMONY (ug/L)	ARSENIC (ug/L)	BARIUM (ug/L)	BERYLLIUM (ug/L)	CADMIUM (ug/L)	CHROMIUM (ug/L)	COBALT (ug/L)	COPPER (ug/L)	LEAD (ug/L)	MERCURY (ug/L)	NICKEL (ug/L)	NITRATE-NITRITE AS NITROGEN (mg/L)	SELENIUM (ug/L)	SILVER (ug/L)	THALLIUM (ug/L)	VANADIUM (ug/L)	ZINC (ug/L)
										Inorganics																		
FSB108D	Background Well	UAZ_UTRAU	13-Jan-2025	5.2	29	19.6	0.3	215.15		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.71	<EQL	<EQL	<EQL	0.73	<EQL	<EQL	<EQL	<EQL	14.4	6000
			08-Apr-2025	5.6	28	19.6	1.4	215.2		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.509	NS	NS	NS	NS	NS	NS
																							0.494						
			08-Jul-2025	5.3	30	20.3	0.2	215.59		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.427	NS	NS	NS	NS	NS	NS
																							0.423						
			07-Oct-2025	5.1	33	20.7	0.3	215.34		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.369	NS	NS	NS	NS	NS	NS
																							0.363						
FBI 14D	Plume Assessment Well	UAZ_UTRAU	08-Jan-2025	5.2	77	19.3	0.2	206.94		No Comments	119	<EQL	<EQL	<EQL	<EQL	0.416	6.15	<EQL	2.87	<EQL	0.0692	<EQL	6.21	<EQL	<EQL	<EQL	35.9	7.27
											93	<EQL	<EQL	<EQL	<EQL	0.393	3.96	<EQL	2.49	<EQL		<EQL		<EQL	<EQL	<EQL	21.7	6.54
			03-Apr-2025	5.7	74.3	19.7	0.5	206.99		No Comments	NS	NS	NS	NS	NS	0.403	NS	NS	NS	0.959	NS	NS	5.95	NS	NS	NS	NS	NS	NS
																0.332				0.921									
			07-Jul-2025	5.3	73	19.1	1	207.79		No Comments	40.4	<EQL	<EQL	<EQL	<EQL	0.444	8.8	<EQL	4.16	1.5	0.0664	<EQL	6.17	<EQL	<EQL	<EQL	<EQL	29.2	<EQL
											<EQL	<EQL	<EQL	<EQL	<EQL	0.389	2.38	<EQL	4.06	1.49		<EQL		<EQL	<EQL	<EQL	27.4	
			06-Oct-2025	5	73	19.5	0.5	207.36		No Comments	NS	NS	NS	NS	NS	0.468	NS	NS	NS	0.751	NS	NS	5.8	NS	NS	NS	NS	NS	NS
																0.365				0.641									
FEX 4	Plume Assessment Well	UAZ_UTRAU	07-Jan-2025	3.4	568	19.4	2.1	205.48		No Comments	6360	<EQL	<EQL	133	0.562	2.95	7.92	15.4	10.2	<EQL	0.799	6.54	31	<EQL	<EQL	<EQL	31.7	13.3
											6270	<EQL	<EQL	131	0.554	2.76	7.84	14.7	10	<EQL		6.35		<EQL	<EQL	<EQL	28.3	13
			03-Apr-2025	3.2	484	19.2	2.2	205.49		No Comments	NS	NS	NS	NS	NS	2.64	NS	NS	NS	<EQL	NS	NS	46.2	NS	NS	NS	NS	NS	NS
			07-Jul-2025	4	200	19.6	1.4	205.54		No Comments	1620	<EQL	<EQL	43.7	<EQL	1.66	<EQL	4.83	4.12	<EQL	0.365	<EQL	9.53	<EQL	<EQL	<EQL	<EQL	7.98	<EQL
				4.8	249	20	1.9														0.349								
			08-Jul-2025	NS	NS	NS	NS	205.97		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Oct-2025	3.4	738	19.4	0.6	205.77		No Comments	NS	NS	NS	NS	NS	2.31	NS	NS	NS	<EQL	NS	NS	48.2	NS	NS	NS	NS	NS	NS
FSB 76	Plume Assessment Well	UAZ_UTRAU	07-Jan-2025	4.5	68	19.3	1.7	214.6		No Comments	127	<EQL	<EQL	<EQL	<EQL	0.101	11.5	<EQL	117	11.4	0.0429	2.34	5.31	<EQL	<EQL	<EQL	49.5	170
																					0.0383								
			03-Apr-2025	4.7	73	21.6	3.3	214.72		No Comments	NS	NS	NS	NS	NS	0.169	NS	NS	NS	1.34	NS	NS	5.89	NS	NS	NS	NS	NS	NS
			07-Jul-2025	4.9	72	21.7	3.4	215.4		No Comments	42.4	<EQL	<EQL	10.2	<EQL	0.158	4.3	<EQL	163	2.25	0.0527	2.94	6.01	<EQL	<EQL	<EQL	<EQL	202
			06-Oct-2025	4.6	75	21.1	6	215.63		No Comments	NS	NS	NS	NS	NS	0.183	NS	NS	NS	2.51	NS	NS	6.41	NS	NS	NS	NS	NS	NS
FSB 78	Plume Assessment Well	UAZ_UTRAU	07-Jan-2025	3.5	144.4	19.1	27	209.58		T	3350	<EQL	<EQL	39.6	0.3	0.135	7.75	<EQL	7.97	0.622	0.0599	2.91	3.81	<EQL	<EQL	<EQL	35.1	0.72
			03-Apr-2025	3.4	125	20.1	6.5	207.53		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.21	NS	NS	NS	NS	NS	NS
			07-Jul-2025	4.3	130	20.3	3.5	209.7		No Comments	1780	NS	NS	NS	NS	0.16	NS	NS	NS	<EQL	NS	NS	2.01	NS	NS	NS	NS	NS	NS
																<EQL				<EQL									
			06-Oct-2025	3.7	123	20.2	3.4	208.26		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	2.44	NS	NS	NS	NS	NS	NS
FSB 79	Plume Assessment Well	UAZ_UTRAU	07-Jan-2025	7.2	544	16.5	2.5	198.49		No Comments	1430	<EQL	<EQL	42.4	<EQL	0.325	19.8	<EQL	10.1	1.5	0.0513	3.13	6.15	<EQL	<EQL	<EQL	37.1	19.1
			03-Apr-2025	7.2	461	19.5	7.3	198.42		No Comments	NS	NS	NS	NS	NS	0.423	NS	NS	NS	1.98	NS	NS	3.03	NS	NS	NS	NS	NS	NS
			07-Jul-2025	7.7	394.7	20.1	2.9	197.86		No Comments	1730	<EQL	<EQL	19.2	<EQL	0.436	<EQL	<EQL	11.3	1.63	0.0646	<EQ	9.69	<EQL	<EQL	<EQL	86.6	<EQL
																					0.0598								
			06-Oct-2025	6.9	176	19.6	4.7	198.31		No Comments	NS	NS	NS	NS	NS	0.329	NS	NS	NS	2.29	NS	NS	7.14	NS	NS	NS	NS	NS	NS
FSB 87D	Plume Assessment Well	UAZ_UTRAU	08-Jan-2025	4.7	41	21.3	0.2	210.31		No Comments	1.23	<EQL	<EQL	<EQL	<EQL	0.975	0.38	<EQL	2.84	<EQL	<EQL	<EQL	1.57	<EQL	<EQL	<EQL	<EQL	7.7
			03-Apr-2025	4.9	41.5	21.9	0.3	210.02		No Comments	NS	NS	NS	NS	NS	1.12	NS	NS	NS	<EQL	NS	NS	1.63	NS	NS	NS	NS	NS	NS
			07-Jul-2025	4.7	39	21.2	0.3	210.64		No Comments	NS	NS	NS	NS	NS	0.923	NS	NS	NS	<EQL	NS	NS	1.77	NS	NS	NS	NS	NS	NS
			06-Oct-2025	4.3	41	21.2	0.4	211.06		No Comments	NS	NS	NS	NS	NS	0.904	NS	NS	NS	0.579	NS	NS	1.72	NS	NS	NS	NS	NS	NS
																0.934				0.559									
FSB104D	Plume Assessment Well	UAZ_UTRAU	08-Jan-2025	10.5	1706	20.9	3.8	204.39		No Comments	758	<EQL	<EQL	<EQL	<EQL	0.203	<EQL	<EQL	11.6	0.77	<EQL	<EQL	0.559	<EQL	<EQL	<EQL	<EQL	13.1	<EQL
																							0.55						
			11-Mar-2025	9.5	373	18.4	14.9	205.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-Apr-2025	9.9	201	21.1	52	204.58		T	NS	NS	NS	NS	NS	0.116	NS	NS	NS	2.03	NS	NS	1.91	NS	NS	NS	NS	NS	NS
																							1.88						
			10-Jun-2025	9.9	209	19.2	4.1	204.79		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			09-Jul-2025	8.3	207	22.8	25.2	204.88		T	2760	<EQL	<EQL	<EQL	<EQL	0.195	0.15	<EQL	2.43	1.06	0.03	<EQL	1.87	<EQL	<EQL	<EQL	<EQL	20.1
			02-Sep-2025	7.4	163	20.4	14.3	204.83		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Oct-2025	6.1	121	24.9	25	205.4		T	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	3.69	NS	NS	NS	NS	NS	NS
																							3.69						
			03-Dec-2025	7.1	118	22.5	7.5	203.55		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FSB112DR	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	3.9	526	19	0.3	204.34		No Comments	6240	<EQL	<EQL	180	1.6	6.9	<EQL	7.4	16.6	<EQL	0.215	19.7	42.7	3.62	<EQL	<EQL	<EQL	20.9
			08-Apr-2025	3.9	508	19.1	0.4	204.54		No Comments	NS	NS	NS	NS	NS	5.3	NS	NS	NS	0.4	NS	NS	40.1	NS	NS	NS	NS	NS	NS
			09-Jul-2025	3.9	508	19.3	0.3	205.14		No Comments	5620	<EQL	<EQL	159	1.65	7.17	4.21	8.4	16.6	<EQL	0.252	19.7	42.2	2.26	<EQL	<EQL	<EQL	32.5
			07-Oct-2025	4.2	663	19	1.5	204.71		No Comments	NS	NS	NS	NS	NS	7.2	NS	NS	NS	4.2	NS	NS	44.2	NS	NS	NS	NS	NS	NS
FSB114D	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	5	25	18.8	3.4	214.5		No Comments	75	<EQL	<EQL	<EQL	<EQL	0.2	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.325	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
																							0.32						
FSB117D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	4.2	31	18.7	1.4	207.31		No Comments	164	<EQL	<EQL	<EQL	<EQL	0.211	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.399	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			08-Apr-2025	4.1	26	18.9	4.3	207.16		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.211	NS	NS	NS	NS	NS	NS
			09-Jul-2025	4.8	30	20.4	3.4	208.17		No Comments	NS	NS	NS	NS	NS	0.147	NS	NS	NS	<EQL	NS	NS	0.282	NS	NS	NS	NS	NS	NS
																							0.276						
			07-Oct-2025	4.6	30	19	2.3	207.75		No Comments	NS	NS	NS	NS	NS	0.168	NS	NS	NS	NS	NS	NS	0.433	NS	NS	NS	NS	NS	NS
																							0.426						
FSB118D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	4.9	33	15.2	3.7	210.68		T	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.0213	<EQL	0.68	<EQL	<EQL	<EQL	<EQL	0.6
			08-Apr-2025	4.6	29	17.7	0.4	210.66		No Comments	<EQL	<EQL	<EQL	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.69	NS	NS	NS	NS	NS	NS
																<EQL				<EQL			0.68						
			09-Jul-2025	3.7	27	18.6	2.5	211.66		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.58	<EQL	2.02	0.096	<EQL	<EQL	0.695	<EQL	<EQL	<EQL	7.03	<EQL
																							0.68						
			07-Oct-2025	4.9	27	18.8	1	211		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.715	NS	NS	NS	NS	NS	NS
FSB120D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	5.6	23	18.2	0.8	207.21		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.443	<EQL	<EQL	<EQL	<EQL	2.1
			08-Apr-2025	5.4	23	18.9	0.2	207.37		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.409	NS	NS	NS	NS	NS	NS
			08-Jul-2025	5.8	25	19.5	0.8	206.36		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.7	<EQL	<EQL	<EQL	0.487	<EQL	<EQL	<EQL	<EQL	23
																							0.479						
			07-Oct-2025	7.1	24	19.6	1.1	208.08		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.459	NS	NS	NS	NS	NS	NS
FSB122D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	5	72	16.9	59	200.93		T	8890	<EQL	<EQL	32.9	<EQL	0.217	3.07	<EQL	16.5	13.6	0.0263	4.36	2.25	<EQL	<EQL	<EQL	68.3	<EQL
																							0.263						
			08-Apr-2025	5.3	84	18.3	28.3	201.25		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.04	NS	NS	6.33	NS	NS	NS	NS	NS	NS
			08-Jul-2025	5.7	47.3	24.8	23.3	200.82		T	10600	<EQL	<EQL	4.7	<EQL	0.307	0.35	<EQL	54.7	2.4	<EQL	<EQL	0.351	<EQL	<EQL	<EQL	<EQL	151
			07-Oct-2025	5.2	56	21.2	28.4	200.5		T	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	7	NS	NS	5.18	NS	NS	NS	NS	NS	NS
FSB123D	Plume Assessment Well	UAZ_UTRAU	08-Jan-2025	5	38	19.6	0.8	210.25		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	16.8	3.35	0.152	<EQL	1.24	<EQL	<EQL	<EQL	<EQL	8.05
																							1.23						
FSB124D	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	4	276	17.6	1.1	207.01		No Comments	3020	<EQL	<EQL	293	0.58	2.49	<EQL	17.5	9.87	<EQL	1.51	8.39	2.3	<EQL	<EQL	<EQL	10.3	<EQL
			08-Apr-2025	3.9	321	18.6	1.3	206.7		No Comments	NS	NS	NS	NS	NS	1.76	NS	NS	NS	<EQL	NS	NS	2.7	NS	NS	NS	NS	NS	NS
			08-Jul-2025	4.3	315	20	1.3	207.21		No Comments	NS	NS	NS	NS	NS	1.7	NS	NS	NS	<EQL	NS	NS	2.6	NS	NS	NS	NS	NS	NS
			07-Oct-2025	3.2	298	19.3	1.1	207.16		No Comments	NS	NS	NS	NS	NS	1.81	NS	NS	NS	<EQL	NS	NS	2.7	NS	NS	NS	NS	NS	NS
																1.67													
FSB125DR	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	3.9	581	19.1	0.2	207.76		No Comments	12500	<EQL	<EQL	205	1.79	7.53	<EQL	63.2	21.2	2.11	8.42	15.9	69.5	1.53	<EQL	<EQL	0.157	<EQ
			08-Apr-2025	3.6	598	19.3	0.3	207.58		No Comments	NS	NS	NS	NS	NS	6.8	NS	NS	NS	1.02	NS	NS	63.7	NS	NS	NS	NS	NS	NS
			09-Jul-2025	3.9	580	19.8	0.3	208.68		No Comments	NS	NS	NS	NS	NS	7.2	NS	NS	NS	0.592	NS	NS	43.3	NS	NS	NS	NS	NS	NS
			08-Oct-2025	3.6	597	19	0.4	208.36		No Comments	NS	NS	NS	NS	NS	6.0	NS	NS	NS	0.744	NS	NS	61.1	NS	NS	NS	NS	NS	NS
FSB126D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	2.9	837	16.6	2.1	206.91		No Comments	16400	<EQL	<EQL	307	3.06	13.4	<EQL	9	27.4	<EQL	10	33.7	38.1	14.7	<EQL	0.448	<EQ
			08-Apr-2025	3.6	949	19	2	206.65		No Comments	NS	NS	NS	NS	NS	12.7	NS	NS	NS	<EQL	NS	NS	70	NS	NS	NS	NS	NS	NS
			08-Jul-2025	3.5	955.4	19.9	1.6	207.16		No Comments	NS	NS	NS	NS	NS	12.7	NS	NS	NS	<EQL	NS	NS	66	NS	NS	NS	NS	NS	NS
			07-Oct-2025	3.6	833	18.9	1	207.31		No Comments	NS	NS	NS	NS	NS	11	NS	NS	NS	<EQL	NS	NS	85.2	NS	NS	NS	NS	NS	NS
FSB127D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	4.8	47	17.6	2.4	196.25		No Comments	<EQL	<EQL	<EQL	23.9	<EQL	<EQL	6.67	<EQL	<EQL	<EQL	<EQL	3.18	1.46	<EQL	<EQL	<EQL	6.62	<EQL
			08-Apr-2025	5.3	26	17.9	2.5	198.03		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	2.1	NS	NS	NS	NS	NS	NS
			08-Jul-2025	5.2	51.3	18.9	4.9	197.32		No Comments	NS	NS	NS	NS	NS	18.9	NS	NS	NS	<EQL	NS	NS	1.63	NS	NS	NS	NS	NS	NS
			07-Oct-2025	5.2	53	18.7	1.1	196.89		No Comments	NS	NS	NS	NS	NS	0.343	NS	NS	NS	<EQL	NS	NS	2.2	NS	NS	NS	NS	NS	NS
																							2.2						
FSB128D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	3.4	212	16.1	1.7	203		No Comments	2600	4.28	<EQL	103	1.46	5.3	<EQL	24.2	4.84	<EQL	0.0462	8.85	2.6	1.17	<EQL	<EQL	21.1	<EQL
			08-Apr-2025	4.3	140	18.1	1	203.59		No Comments	NS	NS	NS	NS	NS	4.82	NS	NS	NS	<EQL	NS	NS	20	NS	NS	NS	NS	NS	NS
			08-Jul-2025	4.2	37	18.8	1.3	202.87		No Comments	NS	NS	NS	NS	NS	2.63	NS	NS	NS	<EQL	NS	NS	16.9	NS	NS	NS	NS	NS	NS
			07-Oct-2025	3.9	283	18.8	1.3	202.94		No Comments	NS	NS	NS	NS	NS	5.8	NS	NS	NS	<EQL	NS	NS	26	NS	NS	NS	NS	NS	NS
FSB129D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	5.9	20	18.8	0.9	197.74		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	5.7	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.071	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
																							0.0685						
			10-Apr-2025	5.3	21	16.3	1.4	198.2		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.0958	NS	NS	NS	NS	NS	NS
																							0.0922						
			09-Jul-2025	5.4	20	18.6	5.2	198.35		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.077	NS	NS	NS	NS	NS	NS
																							0.0648						
			07-Oct-2025	4.9	19	19.6	5.5	197.35		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	0.652	NS	NS	0.0659	NS	NS	NS	NS	NS	NS
																							0.0756						
FSB130D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	3.3	99	16.7	0.8	206.94		No Comments	2190	<EQL	<EQL	42.5	0.254	0.871	<EQL	<EQL	5.43	<EQL	0.0375	2.06	5.63	<EQL	24.7	<EQL	<EQL	5.77
											2090	<EQL	<EQL	42.4	0.216	0.758	<EQL	<EQL	5.39	<EQL		2.02		<EQL	24.6	<EQL	<EQL	5.68
			11-Mar-2025	3.2	113	19.7	1.1	207.46		P	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.91	NS	NS	NS
				3.2	113	19.7	1.1																						
			10-Apr-2025	3.6	143	19.2	1	204.79		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	7.11	NS	NS	NS	NS	NS	NS
			04-Jun-2025	3.9	138	19.7	0.5	205.48		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.16	NS	NS	NS
			10-Jun-2025	4.6	106	19.7	0.8	205.85		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-Jul-2025	4.1	96	19.7	1	205.89		No Comments	2410	<EQL	<EQL	41	0.63	5.83	<EQL	3.04	<EQL	2.28	<EQL	<EQL	7.03	<EQL	34.1	<EQL	<EQL	27.4
			02-Sep-2025	4.5	169	19.7	0.9	205.23		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.12	NS	NS	NS
				4.5	169	19.7	0.9																		2.03			
			07-Oct-2025	3.7	112	20.1	0.6	205.89		No Comments	NS	NS	NS	NS	NS	NS	NS	1.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Dec-2025	4.5	111	19.4	1.3	204.46		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	16.1	NS	NS	NS
				4.5	111	19.4	1.3																		15.8			
FSB131D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	6.3	88	17.9	0.4	205.44		No Comments	<EQL	<EQL	<EQL	16.3	<EQL	0.38	<EQL	<EQL	<EQL	<EQL	0.585	<EQL	6.12	<EQL	<EQL	<EQL	35.6	<EQL
			11-Mar-2025	6.5	69	16.7	0.7	204.05		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				6.5	69	16.7	0.7																						
			09-Apr-2025	6.2	67	19	0.3	204.25		No Comments	NS	NS	NS	NS	NS	2.08	NS	NS	NS	NS	NS	NS	3.67	NS	NS	NS	NS	NS	NS
			04-Jun-2025	5.9	54	19.3	0.4	204.75		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			10-Jun-2025	NS	NS	NS	NS	204.66		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			23-Jun-2025	5.2	52	19.3	0.8	205.05		P	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				5.8	68.9	19.5	1																						
			08-Jul-2025	9.4	1217	21	1	205.15		No Comments	759	<EQL	<EQL	<EQL	<EQL	<EQL	8.9	<EQL	<EQL	16.7	0.0299	<EQL	0.3	<EQL	<EQL	<EQL	<EQL	614
			02-Sep-2025	9.2	1629	22.7	0.6	205.14		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
				9.2	1629	22.7	0.6																						
			07-Oct-2025	9.5	1060	22	0.6	205.06		No Comments	NS	NS	NS	NS	NS	0.335	NS	NS	NS	<EQL	NS	NS	1.04	NS	NS	NS	NS	NS	NS
			03-Dec-2025	10.2	107	19.8	1.3	205.15		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				10.2	107	19.8	1.3																						
FSB132D	Plume Assessment Well	UAZ_UTRAU	09-Jan-2025	3.3	387	15.3	1.8	206.47		No Comments	3190	<EQL	<EQL	208	0.647	3.79	<EQL	21.9	9.6	<EQL	0.74	6.15	35.3	<EQL	<EQL	0.107	<EQL	14.7
			08-Apr-2025	3.8	305	19.3	5.4	205.16		No Comments	NS	NS	NS	NS	NS	3.74	NS	NS	NS	0.93	NS	NS	36.1	NS	NS	NS	NS	NS	NS
			08-Jul-2025	3.8	393	19.3	1.6	206.58		No Comments	3470	<EQL	<EQL	168	0.683	3.87	<EQL	24.3	10.5	<EQL	1.01	7.16	40	<EQL	<EQL	0.0103

Table B-1b. LAZ 2025 F-Area Annual Compliance Monitoring

| | | | Field Data | | | | | | | | Inorganics | | | | | | | |

Table B-1c. GAU 2025 F-Area Annual Compliance Monitoring

			Field Data							Inorganics																					Organics								Radionuclides																												
Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	PH	SPECIFIC CONDUCTANCE	WATER TEMPERATURE	TURBIDITY	SAMPLING EVENT WATER ELEVATION	Constituent	FIELD CONDITIONS	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	NITRATE-NITRITE AS NITROGEN	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC	BENZENE	CHLOROFORM	DICHLOROMETHANE (METHYLENE CHLORIDE)	PHENOLS	TETRACHLOROETHYLENE (PCE)	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	AMERICIUM-241	CARBON-14	CESSIUM-137	COBALT-60	COMBINED RADIUM (226 AND 228)	CURIUM-242	CURIUM-243/244	CURIUM-245/246	GROSS ALPHA	IODINE-129	NONVOLATILE BETA	PLUTONIUM-238	PLUTONIUM-239/240	RADIUM-226	RADIUM-228	STRONTIUM-90	SUM OF ALPHAS (F/H)	SUM OF BETA (F/H)	SUM OF BETA DOSE (F/H)	TECHNETIUM-99	THORIUM-228	THORIUM-230	THORIUM-232	TRITIUM	URANIUM-233/234	URANIUM-234	URANIUM-235	URANIUM-238
			day-month-year	unitless	uScm	degC	NTU	ft	Unit	n/a	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mrem/yr	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
									GWPS		5000	6	10	2000	4	5	100	3	1300	15	2	590	10	50	34	2	4	4000	5	80	5	2800	5	5	2200	15	50	50	50	5	15	15	15	15	1	50	15	15	5	5	8	15	50	4	900	15	15	15	20	15	15	15	15
HSB 85A	Background Well	GAU	10-Feb-2025	6.7	184.3	20.4	0.4	167.46		No Comments	<EQL	<EQL	<EQL	[25.9]	<EQL	<EQL	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[3.26]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.93	[1.33]	<EQL	<EQL	[1.33]	[1.06]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL
																							<EQL																											1.45	<EQL						<EQL									
			14-Apr-2025	7.2	191	20.4	0.4	168.42		No Comments	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	<EQL	<EQL	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
																							<EQL																																												
			29-Jul-2025	7.2	186	20.9	4.2	168.5		No Comments	NS	<EQL	<EQL	[28.7]	<EQL	[0.221]	<EQL	<EQL	[4.92]	<EQL	<EQL	<EQL	[0.024]	<EQL	<EQL	<EQL	<EQL	[21.1]	<EQL	<EQL	[2.09]	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.923]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.923]	<EQL	<EQL	<EQL	-3.44	-0.007	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL
																							[0.026]																																											
																																					<EQL																																
			08-Oct-2025	6.9	184	21	1	168.5		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
																							<EQL																																											
FSB 78A	Plume Assessment Well	GAU	07-Jan-2025	6.7	118.6	20.1	1.4	155.29		No Comments	<EQL	<EQL	<EQL	[16.7]	<EQL	<EQL	[8.68]	<EQL	<EQL	<EQL	<EQL	<EQL	0.574	<EQL	<EQL	<EQL	[17.5]	[4.55]	<EQL	<EQL	[0.57]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.97	<EQL	NS	<EQL	<EQL
																																					<EQL																															
			03-Apr-2025	6.3	104	20.5	1.2	155.53		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.432	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.09	NS	NS	NS	NS
																							0.421																																											
			07-Jul-2025	6.7	112	20	1	155.4		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.502	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.88	NS	NS	NS	NS
																							0.497																																											
			06-Oct-2025	6.2	108	19.7	0.2	155.56		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.61	NS	NS	NS	NS
																							0.321																																											
FSB 78B	Plume Assessment Well	GAU	07-Jan-2025	7.4	234.7	20.6	1	153.21		No Comments	<EQL	<EQL	<EQL	[33]	<EQL	<EQL	[11]	<EQL	<EQL	<EQL	<EQL	<EQL	10.4	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.62]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.54]	<EQL	<EQL	<EQL	<EQL	[0.806]	[6.67]	<EQL	<EQL	[0.54]	<EQL	<EQL	<EQL	[10.6]	[3.27]	[9.75]	<EQL	<EQL	<EQL	48.8	<EQL	NS	<EQL	<EQL
			26-Jun-2025	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			14-Jul-2025	9	190	20	0.6	154.15		No Comments	<EQL	<EQL	<EQL	[40.4]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	13	<EQL	<EQL	<EQL	<EQL	<EQL	1.57	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.086]	<EQL	<EQL	<EQL	<EQL	[0.714]	<EQL	<EQL	<EQL	[0.806]	[1.28]	<EQL	<EQL	[10.3]	[3.92]	[8.29]	<EQL	<EQL	<EQL	75.8	<EQL	<EQL	<EQL	<EQL
																																					<EQL																															
			06-Oct-2025	7.4	187	20.2	1.5	153.94		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	4.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	16.2	NS	NS	NS	NS
FSB 79B	Plume Assessment Well	GAU	07-Jan-2025	7.1	202	17.3	1.7	156.68		No Comments	<EQL	<EQL	<EQL	[26.2]	<EQL	<EQL	[10.8]	<EQL	<EQL	<EQL	<EQL	<EQL	8.17	<EQL	<EQL	<EQL	[7.2]	[6.62]	<EQL	<EQL	[0.57]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.74	<EQL	<EQL	<EQL	<EQL	1.74	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[8.47]	[0.0376]	[8.47]	<EQL	<EQL	<EQL	24.4	<EQL	NS	<EQL	<EQL
			03-Apr-2025	8	200	19.5	1.4	156.88		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	6.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	36.4	NS	NS	NS	NS
			07-Jul-2025	7.7	204.7	20.4	2.1	157.01		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	8.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[6.54]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	42	NS	NS	NS	NS
			06-Oct-2025	5.7	198	19.4	0.2	156.97		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	6.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[8.04]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	37	NS	NS	NS	NS
FSB 87BR	Plume Assessment Well	GAU	08-Jan-2025	6.9	145	21.5	0.7	149.87		No Comments	<EQL	<EQL	<EQL	[30]	<EQL	<EQL	[2.8]	<EQL	<EQL	<EQL	<EQL	<EQL	0.768	<EQL	<EQL	<EQL	[24.7]	[3.32]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.834]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.834]	<EQL	<EQL	[0.0703]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.75	<EQL	NS	<EQL	[0.0703]
																							0.761																																											
			03-Apr-2025	7.1	145.4	21.2	0.8	149.01		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.72	NS	NS	NS	NS
																							0.626																																											
			07-Jul-2025	6.7	146.1	21.9	0.7	149.79		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.97	NS	NS	NS	NS
																							0.696																																											
			06-Oct-2025	7.3	142	20.7	1.5	150.02		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.744	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.53	NS	NS	NS	NS
																							0.741																																											
FSB112A	Plume Assessment Well	GAU	09-Jan-2025	7	159	19.4	0.9	152.26		No Comments	<EQL	<EQL	<EQL	[46.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.13	<EQL	<EQL	<EQL	<EQL	[3.64]	<EQL	<EQL	[1.57]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.31]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.2]	[1.11]	<EQL	[0.114]	[1.11]	[0.888]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.2	<EQL	NS	<EQL	[0.114]
																							1.11																																		<EQL									
			08-Apr-2025	6.7	159	19.1	2.4	152.4		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	0.887	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.8	NS	NS	NS	NS
			08-Jul-2025	6.6	162	19.9	0.7	152.4		No Comments	<EQL	<EQL	<EQL	[40.4]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.08	<EQL	<EQL	<EQL	<EQL	[10.3]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.01]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.01]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	3.55	<EQL	NS	<EQL	<EQL
																																					<EQL																															
			07-Oct-2025	7.3	160	19.8	0.8	152.05		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	1.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[4.32]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.78	NS	NS	NS	NS
																																														<EQL																					
FSB113A	Plume Assessment Well	GAU	08-Jan-2025	10.5	529	19.9	0.4	157.28		No Comments		500	<EQL	<EQL	135	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.71	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.01	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.43]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.43]	<EQL	<EQL	<EQL	[5.1]	[0.0227]	[5.1]	<EQL	<EQL	<EQL	18.7	<EQL	NS	<EQL	<EQL
			08-Apr-2025	11.2	940	19.7	1	157.5		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	13.3	NS	NS	3.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14.6	NS	NS	NS	NS
			09-Jul-2025	10.8	247	19.5	2.3	157.51		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	2.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.19	NS	NS	NS	NS
			07-Oct-2025	11.1	474	19.4	0.2	156.8		X	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	1.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[3.85]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.94	NS	NS	NS	NS
FSB114A	Plume Assessment Well	GAU	09-Jan-2025	6.4	20.1	19.9	0.4	154.61		No Comments	[62.2]	<EQL	<EQL	[43.8]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.44	<EQL	<EQL	<EQL	<EQL	<EQL	2.28	<EQL	[1.69]	[1.86]	<EQL		<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2]	<EQL	<EQL	[2]	[1.6]	<EQL	<EQL	<EQL	<EQL	[1.14]	<EQL	NS	<EQL	<EQL
																																					<EQL																															
			08-Apr-2025	7.6	197	20.6	0.8	155.02		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	1.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[1.02]	NS	NS	NS	NS
			09-Jul-2025	6.3	201	21.7	4.1	155.46		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	1.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.3	NS	NS	NS	NS
FSB120AR	Plume Assessment Well	GAU	09-Jan-2025	6.6	255	18.2	0.6	147.89		No Comments	<EQL	<EQL	<EQL	[55]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.8	<EQL	<EQL	[0.112]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.9]	<EQL	<EQL	<EQL	<EQL	[0.912]	24.6	<EQL	<EQL	[1.61]	[1.29]	<EQL	[0.118]	[32]	[4.81]	29.8	<EQL	<EQL	<EQL	58.4	<EQL	NS	<EQL	[0.118]
			08-Apr-2025	6.1	268	20.3	0.2	148.09		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	20.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[7.42]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	51.5	NS	NS	NS	NS
			08-Jul-2025	6.8	215	19.7	1.1	147.8		No Comments	<EQL	<EQL	<EQL	[67.6]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	15.9	<EQL	<EQL	[0.106]	<EQL	[9.13]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[21.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.31]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.228]	[39.6]	[6.36]	17.1	<EQL	<EQL	<EQL	90.9	<EQL	NS	<EQL	[0.228]
			07-Oct-2025	7.7	269	21.4	0.5	147.59		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	22.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	23.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	92.0	NS	NS	NS	NS
FSB 96AR	Point of Compliance Well	GAU	08-Jan-2025	7.2	218	21.2	1.4	152.96		No Comments	<EQL	<EQL	<EQL	[39.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	6.26	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.03]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.03]	<EQL	<EQL	0.279	[6.53]	[0.029]	[6.53]	<EQL	<EQL	<EQL	37.2	<EQL	NS	<EQL	0.279
			07-Apr-2025	7.2	218	20.2	1	152.5		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	6.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[6.12]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	37.6	NS	NS	NS	NS
			07-Jul-2025	6.2	209	20.8	1	153.32		No Comments	<EQL	<EQL	<EQL	[41]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	6.01	<EQL	<EQL	<EQL	<EQL	[8.12]	<EQL	<EQL	[0.81]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.944]	<EQL	<EQL	<EQL	<EQL	R	<EQL	<EQL	<EQL	2.08	[0.864]	<EQL	[0.737]	[6.83]	[0.718]	[5.97]	<EQL	<EQL	[0.473]	27.4	<EQL	NS	<EQL	[0.264]
			07-Oct-2025	8.9	264	20.7	1.3	151.74		No Comments	NS	NS	NS	NS	NS	[0.119]	NS	NS	NS	<EQL	NS	NS	4.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[4.99]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	46.4	NS	NS	NS	NS
FSB 97A	Point of Compliance Well	GAU	08-Jan-2025	7.6	22.5	17.7	1.3	150.62		No Comments	<EQL	<EQL	<EQL	[36.6]	<EQL	<EQL	<EQL	<EQL	<EQL	[1.81]	<EQL	<EQL	2.8	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	29.7	<EQL	<EQL	<EQL	[1.499]	<EQL	<EQL	<EQL	<EQL	[0.712]	14.5	<EQL	<EQL	[1.03]	[0.469]	<EQL	[0.0844]	[44]	[3.34]	13.1	<EQL	<EQL	<EQL	112	<EQL	NS	<EQL	[0.0844]
																																							[0.524]																12.7									
			07-Apr-2025	7.1	296	20.3	1	151.5		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	[1.76]	NS	NS	17.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	13.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	112	NS	NS	NS	NS
			15-Jul-2025	7.4	298	20.1	1.4	152.09		No Comments	<EQL	<EQL	<EQL	[37.5]	<EQL	<EQL	[12]	<EQL	<EQL	[2.34]	<EQL	[3]	17.8	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.814]	<EQL	<EQL	<EQL	[3.29]	2.4	15	<EQL	<EQL	[0.93]	[0.884]	<EQL	<EQL	[20.3]	[10.6]	17	<EQL	<EQL	<EQL	108	<EQL	NS	<EQL	<EQL
			06-Oct-2025	6.7	296.3	20	1.9	151.68		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	[1.44]	NS	NS	19.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8.84	NS	NS	NS	NS
FSB 98AR	Point of Compliance Well	GAU	08-Jan-2025	6.9	164	17.8	0.5	150.4		No Comments	<EQL	<EQL	<EQL	[32]	<EQL	[0.165]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.97	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.735]	<EQL	<EQL	<EQL	<EQL	<EQL	[6.28]	<EQL	<EQL	<EQL	[0.735]	<EQL	<EQL	[0.121]	[5.84]	[0.026]	[5.84]	<EQL	<EQL	<EQL	22.8	<EQL	NS	<EQL	[0.121]
			08-Apr-2025	7	162	19.5	0.23	151.3		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	4.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.8	NS	NS	NS	NS
																<EQL				<EQL																																											19.9				
			07-Jul-2025	6.8	159	20.4	0.4	150.82		No Comments	<EQL	<EQL	<EQL	[30.7]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.62	<EQL	<EQL	<EQL	<EQL	[5.98]	<EQL	<EQL	[0.82]	[2.45]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.974]	<EQL	<EQL	<EQL	<EQL	<EQL	[6.37]	<EQL	<EQL	<EQL	[0.974]	<EQL	<EQL	<EQL	[6.19]	[0.0275]	[6.19]	<EQL	<EQL	<EQL	19.9	<EQL	NS	<EQL	<EQL
			06-Oct-2025	7.1	160	19.9	0.5	150.62		No Comments	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	NS	NS	5.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[5.66]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table B-2a. UAZ 2025 H-Area Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	WATER TEMPERATURE (degC)	SAMPLING EVENT WATER ELEVATION (ft)	TURBIDITY (NTU)	SPECIFIC CONDUCTANCE (uS/cm)	pH (unitless)	Constituent (Unit) GWPS	FIELD CONDITIONS	ANTIMONY (ug/L) 6	ARSENIC (ug/L) 10	BARIUM (ug/L) 2000	BERYLLIUM (ug/L) 4	CADMIUM (ug/L) 5	CHROMIUM (ug/L) 100	COBALT (ug/L) 3	COPPER (ug/L) 1300	CYANIDE (ug/L) 200	LEAD (ug/L) 15	MERCURY (ug/L) 2	NICKEL (ug/L) 390	NITRATE-NITRITE AS NITROGEN (mg/L) 10	SELENIUM (ug/L) 50	SILVER (ug/L) 94	THALLIUM (ug/L) 2	TIN (ug/L) 2.6	VANADIUM (ug/L) 4	ZINC (ug/L) 6000
HSB 66DR	Background Well	UAZ_UTRAU	13-Jan-2025	19.8	226.1	1	41	5.6		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[4.94]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.24	<EQL	<EQL	<EQL	<EQL	<EQL	[5.04]
			10-Apr-2025	19.2	225.98	0.8	40.2	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.96	NS	NS	NS	NS	NS	NS
			10-Jul-2025	19.9	226.9	0.8	41	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	2.34	NS	NS	NS	NS	NS	NS
			08-Oct-2025	20.4	226.49	1.4	43	4.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	2.34	NS	NS	NS	NS	NS	NS
HSB 65C	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	21.2	231.2	2.3	43	4.9		No Comments	<EQL	<EQL	<EQL	<EQL	[0.123]	[17.4]	<EQL	[10.4]	<EQL	[1.96]	[0.0306]	<EQL	2.24	<EQL	<EQL	<EQL	<EQL	<EQL	[8.26]
			10-Apr-2025	20.3	231.02	1.2	32.1	5.2		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[5.7]	<EQL	[0.2]	<EQL	[1.95]	<EQL	<EQL	1.07	NS	NS	NS	NS	NS	NS
			09-Jul-2025	20.9	232.2	1	38	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.87	NS	NS	NS	NS	NS	NS
			08-Oct-2025	21	231.84	0.9	37	4.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.8	NS	NS	NS	NS	NS	NS
HSB 67	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	19.9	221.16	0.1	55.1	4.2		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[3.91]	[11]	<EQL	<EQL	<EQL	1.01	<EQL	3.21	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			10-Apr-2025	19.5	222.72	1.2	53	4.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.807	NS	3.09	NS	NS	NS	NS	NS	NS
			10-Jul-2025	20.5	222.9	0.5	49	4.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.763	NS	2.72	NS	NS	NS	NS	NS	NS
			08-Oct-2025	20.6	221.74	0.4	47	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.824	NS	2.59	NS	NS	NS	NS	NS	NS
HSB 68DR	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	19.7	218.9	3.8	51	4.5		No Comments	<EQL	<EQL	[18.9]	[0.207]	[0.156]	<EQL	<EQL	[4.60]	<EQL	<EQL	0.986	[3.02]	2.53	<EQL	<EQL	<EQL	<EQL	[9.38]
			10-Apr-2025	19.7	219.37	2.1	50	4.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.965	NS	2.31	NS	NS	NS	NS	NS	NS
			10-Jul-2025	19.1	219.66	2.2	48	4.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.12	NS	2.23	NS	NS	NS	NS	NS	NS
			08-Oct-2025	19.5	219.17	3.1	46	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.883	NS	2.11	NS	NS	NS	NS	NS	NS
HSB 69	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	19.1	216.51	2.7	33.2	4.5		No Comments	<EQL	<EQL	[11.5]	<EQL	[0.136]	<EQL	<EQL	<EQL	<EQL	<EQL	1.19	[2.22]	1.5	<EQL	<EQL	<EQL	<EQL	[9.84]
			10-Apr-2025	18.7	216.54	2.1	40	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.212	NS	1.21	NS	NS	NS	NS	NS	NS
			10-Jul-2025	19.3	216.57	5	31	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.728	NS	1.38	NS	NS	NS	NS	NS	NS
			08-Oct-2025	20.1	215.32	1.2	40	4.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.64	NS	1.77	NS	NS	NS	NS	NS	NS
HSB 70	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	18.5	217.11	2.7	43.9	5.1		No Comments	<EQL	<EQL	[44.6]	<EQL	<EQL	<EQL	<EQL	<EQL	27.8	<EQL	[2.07]	<EQL	0.272	<EQL	<EQL	<EQL	<EQL	[3.82]	<EQL
			10-Apr-2025	18.7	220	0.5	41	5.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.19	NS	NS	NS	NS	NS	NS
			10-Jul-2025	18.4	220.6	0.8	41	5.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.247	NS	NS	NS	NS	NS	NS
			08-Oct-2025	18.6	218.4	0.7	42	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.431	NS	NS	NS	NS	NS	NS
HSB 71	Plume Assessment Well	UAZ_UTRAU	13-Jan-2025	19.5	221.26	4.6	45.1	5.6		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	183	<EQL	[1.19]	<EQL	<EQL	0.181	<EQL	<EQL	<EQL	<EQL	[26.4]	<EQL
			10-Apr-2025	18.7	221.2	5.4	47.9	5.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.308	NS	NS	NS	NS	NS	NS
			10-Jul-2025	20.1	221.8	7.9	40	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.079	NS	NS	NS	NS	NS	NS
			08-Oct-2025	20.9	218.89	7.5	42	5.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.0772	NS	NS	NS	NS	NS	NS
HSB 83D	Plume Assessment Well	UAZ_UTRAU	14-Jan-2025	19.7	222.99	5.4	40	5.2		No Comments	<EQL	<EQL	[12.5]	<EQL	[0.224]	[3.15]	<EQL	<EQL	0.49	<EQL	<EQL	<EQL	0.162	<EQL	<EQL	<EQL	<EQL	<EQL	[4.77]
			10-Apr-2025	18.8	223.7	5.6	65	5.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.197]	NS	1.34	NS	NS	NS	NS	NS	NS
			10-Jul-2025	20	223.5	1.8	51	5.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.91	NS	NS	NS	NS	NS	NS
			08-Oct-2025	21	222.27	1.7	41	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.79	NS	NS	NS	NS	NS	NS
HSB 84D	Plume Assessment Well	UAZ_UTRAU	14-Jan-2025	19.8	215.77	1.6	46	4.6		No Comments	<EQL	<EQL	<EQL	<EQL	[0.17]	<EQL	<EQL	<EQL	<EQL	<EQL	[0.0852]	<EQL	2.62	<EQL	<EQL	<EQL	<EQL	[10.1]	<EQL
			14-Apr-2025	18.4	216.17	1.5	45	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.102]	NS	2.59	NS	NS	NS	NS	NS	NS
			10-Jul-2025	18.8	216.14	0.7	48	4.2		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[7.94]	<EQL	<EQL	<EQL	<EQL	[0.178]	<EQL	2.81	<EQL	<EQL	<EQL	<EQL	[5.77]	<EQL
			08-Oct-2025	19.7	216.06	1.2	51	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.116]	NS	2.84	NS	NS	NS	NS	NS	NS
HSB 85C	Plume Assessment Well	UAZ_UTRAU	10-Feb-2025	22.3	236.36	0.5	47.4	4.6		No Comments	<EQL	<EQL	[10.5]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.711]	<EQL	3.07	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			14-Apr-2025	22.2	236.1	0.4	47	4.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.115]	NS	3.12	NS	NS	NS	NS	NS	NS
			29-Jul-2025	22.6	234.3	1	48	4.4		No Comments	<EQL	<EQL	[11.2]	<EQL	<EQL	[5.23]	<EQL	<EQL	<EQL	<EQL	[0.815]	<EQL	3.12	<EQL	<EQL	<EQL	<EQL	<EQL	[1.87]
			08-Oct-2025	22.5	234.3	1	46	5.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0227]	NS	3.12	NS	NS	NS	NS	NS	NS
HSB 86C	Plume Assessment Well	UAZ_UTRAU	14-Jan-2025	19.8	219.98	0.7	125	4.8		No Comments	<EQL	<EQL	[15.3]	<EQL	[0.313]	<EQL	<EQL	<EQL	<EQL	<EQL	0.441	<EQL	[11.8]	<EQL	<EQL	<EQL	<EQL	[6.96]	<EQL
			14-Apr-2025	20.2	220.62	0.9	126	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.439	NS	[11.8]	NS	NS	NS	NS	NS	NS
			10-Jul-2025	20.1	221.09	0.6	120	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.416	NS	[10.3]	NS	NS	NS	NS	NS	NS
			08-Oct-2025	19.8	219.1	1	124	4.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.359	NS	[11.1]	NS	NS	NS	NS	NS	NS
HSB119D	Plume Assessment Well	UAZ_UTRAU	15-Jan-2025	21.2	224.88	0.7	50.3	4.5		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.0612]	<EQL	2.75	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			15-Apr-2025	22.4	224.15	0.9	48	3.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0306]	NS	2.63	NS	NS	NS	NS	NS	NS
			14-Jul-2025	21.3	225.2	1.5	47	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0248]	NS	2.74	NS	NS	NS	NS	NS	NS
			13-Oct-2025	21.8	224.42	0.4	49	4.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0339]	NS	3.04	NS	NS	NS	NS	NS	NS
HSB120D	Plume Assessment Well	UAZ_UTRAU	15-Jan-2025	19.9	226.93	0.9	126.6	4.1		No Comments	<EQL	<EQL	184	[0.518]	[0.289]	[3.48]	[4.68]	[4.52]	<EQL	[1.48]	0.386	<EQL	7.37	<EQL	<EQL	<EQL	<EQL	[8.78]	<EQL
			15-Apr-2025	20.7	227.11	0.6	136	3.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.278	NS	7.45	NS	NS	NS	NS	NS	NS
			14-Jul-2025	20.9	226.71	0.8	125.3	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.245	NS	7.88	NS	NS	NS	NS	NS	NS
			13-Oct-2025	20.1	227.51	0.9	125	4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.264	NS	7.55	NS	NS	NS	NS	NS	NS
HSB121D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	19	226.05	0.4	68	5		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[0.106]	<EQL	<EQL	<EQL	<EQL	[0.0532]	<EQL	4.98	<EQL	<EQL	<EQL	<EQL	[4.4]	<EQL
			15-Apr-2025	19.1	226.29	1.1	62	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0394]	NS	5.67	NS	NS	NS	NS	NS	NS
			14-Jul-2025	19.9	225.96	1.3	62.5	5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0429]	NS	5.16	NS	NS	NS	NS	NS	NS
			13-Oct-2025	19.1	225.64	0.7	61	5.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0262]	NS	4.72	NS	NS	NS	NS	NS	NS
HSB122D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	18.9	226.87	0.4	70	4.8		No Comments	<EQL	<EQL	<EQL	<EQL	[0.122]	<EQL	<EQL	<EQL	<EQL	[1.04]	[0.0253]	<EQL	4.48	<EQL	<EQL	<EQL	<EQL	[5.62]	<EQL
			15-Apr-2025	19.2	227.26	0.8	71	4.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0209]	NS	5.01	NS	NS	NS	NS	NS	NS
			14-Jul-2025	19.5	227.63	1	74	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0228]	NS	4.84	NS	NS	NS	NS	NS	NS
			13-Oct-2025	19.2	226.71	1.6	71	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0243]	NS	4.71	NS	NS	NS	NS	NS	NS
HSB126D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	18.3	205.83	4.2	175	4.6		No Comments	<EQL	<EQL	[11]	<EQL	<EQL	<EQL	[9.21]	<EQL	<EQL	<EQL	1.47	<EQL	6.35	<EQL	<EQL	<EQL	<EQL	[3.49]	<EQL
			15-Apr-2025	19.5	205.9	0.3	75	6.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.57	NS	7.31	NS	NS	NS	NS	NS	NS
			14-Jul-2025	20.5	205.6	6	88	4.9		No Comments	<EQL	<EQL	[12.4]	<EQL	<EQL	[2.31]	[9.34]	<EQL	<EQL	[0.864]	1.56	<EQL	7.87	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			14-Oct-2025	20.6	205.73	5	75	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.55	NS	6.47	NS	NS	NS	NS	NS	NS
HSB127D	Plume Assessment Well	UAZ_UTRAU	15-Jan-2025	17.1	216.5	0.9	53	4.1		No Comments	<EQL	<EQL	[10.3]	<EQL	[0.281]	[3]	[9.54]	<EQL	<EQL	<EQL	1.24	<EQL	3.29	<EQL	<EQL	<EQL	<EQL	[4.22]	<EQL
			15-Apr-2025	18.1	216.8	0.6	53	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.21	NS	3.42	NS	NS	NS	NS	NS	NS
			15-Jul-2025	19.2	216.59	0.4	53	4.8		No Comments	<EQL	<EQL	<EQL	<EQL	[0.174]	[5.75]	[11.8]	<EQL	<EQL	<EQL	1.29	<EQL	3.33	<EQL	<EQL	<EQL	<EQL	[3.82]	[1.09]
			13-Oct-2025	19.7	215.67	0.8	49	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[1.2]	NS	3.19	NS	NS	NS	NS	NS	NS
HSB129D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	19.1	208.1	6.3	49	5.6		No Comments	<EQL	<EQL	<EQL	<EQL	[16.4]	<EQL	[0.95]	<EQL	<EQL	<EQL	1.29	<EQL	2.65	<EQL	<EQL	<EQL	<EQL	[6.73]	<EQL
			15-Apr-2025	19	208.39	4.6	50	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	2.52	NS	NS	NS	NS	NS	NS
			15-Jul-2025	20.4	209.07	5.3	48	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.29	NS	2.59	NS	NS	NS	NS	NS	NS
			14-Oct-2025	20.6	205.37	7.3	54	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0911]	NS	3.31	NS	NS	NS	NS	NS	NS
HSB131D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	15.8	205.63	4.1	32	5.3		No Comments	<EQL	<EQL	[51.3]	<EQL	<EQL	<EQL	[13.4]	<EQL	<EQL	<EQL	[0.832]	<EQL	<EQL	<EQL	[0.0338]	<EQL	<EQL	<EQL	<EQL	<EQL
			15-Jul-2025	18.6	259.04	1.1	52	4.3		No Comments	<EQL	<EQL	[49.9]	<EQL	<EQL	[9.84]	<EQL	<EQL	<EQL	<EQL	[0.815]	<EQL	<EQL	<EQL	[0.024]	<EQL	<EQL	<EQL	<EQL	<EQL
HSB134D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	19.5	220.9	0.4	40	4.3		No Comments	<EQL	<EQL	<EQL	<EQL	[0.112]	[19.2]	<EQL	[4.16]	<EQL	<EQL	0.618	<EQL	2.16	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			15-Apr-2025	17.8	221.71	0.6	37	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.319	NS	1.72	NS	NS	NS	NS	NS	NS
			15-Jul-2025	20	222.21	0.8	32	4.8		No Comments	<EQL	<EQL	<EQL	<EQL	[0.102]	[3.6]	<EQL	<EQL	<EQL	<EQL	0.358	<EQL	1.79	<EQL	<EQL	<EQL	<EQL	[6.82]	<EQL
			14-Oct-2025	20.5	219.62	0.7	42	4.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.348	NS	2.54	NS	NS	NS	NS	NS	NS
HSB135D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	20.4	215.89	29.9	61	5.7	T	No Comments	<EQL	<EQL	[12.6]	<EQL	<EQL	<EQL	<EQL	[11.4]	<EQL	[1.65]	[0.0134]	<EQL	1.79	<EQL	<EQL	<EQL	<EQL	[4.09]	<EQL
			15-Apr-2025	21.5	216.35	50.2	63	5.9	T	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0224]	NS	0.153	NS	NS	NS	NS	NS	NS
			15-Jul-2025	21.8	216.15	28	61	5.7	T	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0341]	NS	1.79	NS	NS	NS	NS	NS	NS
			13-Oct-2025	23.2	215.1	18.5	56	5.7	T	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0441]	NS	2.68	NS	NS	NS	NS	NS	NS
HSB136D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	19.2	215.53	15.9	43.1	5.8		No Comments	<EQL	<EQL	[11.1]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.5442]	<EQL	0.136	<EQL	<EQL	<EQL	<EQL	[14.9]	<EQL
			16-Apr-2025	17.9	217.65	3.1	70	6.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.16	NS	NS	NS	NS	NS	NS
			15-Jul-2025	20.1	217.96	6.4	65	5.9		No Comments	<EQL	<EQL	[15.9]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.16	<EQL	<EQL	<EQL	<EQL	[17]	<EQL
			14-Oct-2025	20.1	215.95	5.5	57	6.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.779	NS	NS	NS	NS	NS	NS
HSB137D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	20.1	216.83	3	84	5.5		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	115	<EQL	[8.67]	<EQL	<EQL	0.245	5.74	<EQL	[8.8]	<EQL	97	<EQL
			16-Apr-2025	19.9	219.13	3.7	76	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.236	NS	5.54	NS	NS	NS	NS	NS	NS
			15-Jul-2025	22.9	219.11	4.7	73	5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.311	NS	3.98	NS	NS	NS	NS	NS	NS
			14-Oct-2025	20	217.2	3.7	78	5.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.278	NS	6.13	NS	NS	NS	NS	NS	NS
HSB139D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	18.1	218.79	9.7	38	5.7		No Comments	<EQL	<EQL	[12]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.984]	[0.0274]	<EQL	0.0777	<EQL	<EQL	<EQL	[4.62]	<EQL
			16-Apr-2025	17.3	220.1	14.6	46	5.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.357	NS	NS	NS	NS	NS	NS
			15-Jul-2025	18.6	220.72	12.5	47	5.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.956	NS	NS	NS	NS	NS	NS
			14-Oct-2025	18.6	218.99	14.3	46	5.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0457]	NS	1.06	NS	NS	NS	NS	NS	NS
HSB145D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	18.9	219.56	0.4	77	5.7		No Comments	<EQL	<EQL	[40.7]	[0.409]	[0.12]	<EQL	[4.61]	[2.84]	<EQL	<EQL	0.27	<EQL	6.35	<EQL	<EQL	<EQL	<EQL	[10]	<EQL
			16-Apr-2025	18.5	220.31	0.4	86	5.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.54	NS	6.65	NS	NS	NS	NS	NS	NS
			16-Jul-2025	19.5	219.46	0.5	75	5.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.54	NS	5.73	NS	NS	NS	NS	NS	NS
			14-Oct-2025	18.8	217.79	0.4	75	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.24	NS	5.72	NS	NS	NS	NS	NS	NS
HSB150D	Plume Assessment Well	UAZ_UTRAU	16-Jan-2025	19.2	222.99	3.6	32.5	4.9		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	3.16	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			16-Apr-2025	17.6	222.21	5.3	26.3	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	[0.0222]	NS	NS	NS	NS	NS	NS
			16-Jul-2025	19.7	223.54	8.3	31	4.9		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.0478]	<EQL	<EQL	<EQL	<EQL	[4.8]	<EQL
			14-Oct-2025	19.6	222.5	3	30	4.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	0.154	NS	NS	NS	NS	NS	NS
HSB152DR	Plume Assessment Well	UAZ_UTRAU	21-Jan-2025	19.3	202.59	0.3	31	4.8		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[3.99]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.04	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			16-Apr-2025	16.7	202.53	2.1	31	4.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.01	NS	NS	NS	NS	NS	NS
			16-Jul-2025	18.7	201.76	1.6	28	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.15	NS	NS	NS	NS	NS	NS
			14-Oct-2025	21.1	202	2	29	4.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.113]	NS	1.13	NS	NS	NS	NS	NS	NS
HSB153D	Plume Assessment Well	UAZ_UTRAU	21-Jan-2025	19.9	225.85	0.3	40	4.5		No Comments	<EQL	<EQL	<EQL	<EQL	[6.77]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.36	<EQL	<EQL	<EQL	<EQL	[0.44]	<EQL
			21-Apr-2025	19.9	226.37	0.3	41	4.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	2.68	NS	NS	NS	NS	NS	NS
			16-Jul-2025	20.3	225.93	1.8	43	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0285]	NS	3.25	NS	NS	NS	NS	NS	NS
			14-Oct-2025	19.5	228.46	0.8	39	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	2.61	NS	NS	NS	NS	NS	NS
HSB154D	Plume Assessment Well	UAZ_UTRAU	21-Jan-2025	19.5	NS	0.2	24	4.8		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[7.94]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.48	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			21-Apr-2025	19.4	225.99	0.5	29	4.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.53	NS	NS	NS	NS	NS	NS
			16-Jul-2025	21	226.49	0.9	26	4.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.51	NS	NS	NS	NS	NS	NS
			14-Oct-2025	20.1	225.88	0.9	28	4.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.49	NS	NS	NS	NS	NS	NS
HSL 1D	Plume Assessment Well	UAZ_UTRAU	21-Jan-2025	20.9	233.4	1.6	45	4.2		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	[9.84]	<EQL	[2.51]	<EQL	[1.27]	<EQL	<EQL	1.11	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			16-Apr-2025	21.6	233.9	0.2	43.2	5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.06	NS	NS	NS	NS	NS	NS
			16-Jul-2025	21.9	233.74	0.9	44.7	4.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	1.26	NS	NS	NS	NS	NS	NS
			14-Oct-2025	21.3	233.53	1.1	41.8	5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0213]	NS	1.54	NS	NS	NS	NS	NS	NS
HSL

Table B-2b. LAZ 2025 H-Area Annual Compliance Monitoring

| | | | Field Data | | | | | | | Inorganics | | | | | | | | | | | | | | | | | | | | | | | Organics | | | | Radionuclides | | | | | | | | | | | | | | | | | | |

Table B-2c. GAU 2025 H-Area Annual Compliance Monitoring

| | | | Field Data | | | | | | | | Inorganics | | | | | | | | | | | | | | | | | | | | | Organics | | | | | | | | | | | | | | | | | | |

Table B-3 2025 F-Area Seepline Surface Water Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (Field Data)	PH	SPECIFIC CONDUCTANCE	WATER TEMPERATURE	PHENOLPHTHALEIN ALKALINITY (AS CACO3)	TOTAL ALKALINITY (AS CACO3)	TURBIDITY	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	VOLUME PURGED	Constituent	GWPS Unit	FIELD CONDITIONS (Inorganics)	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	NITRATE-NITRITE AS NITROGEN	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
			day-month-year	unitless	uS/cm	degC	mg/L	mg/L	NTU	ft	day-month-year	ft	gal				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
															GWPS		n/a	6	10	2000	4	5	100	3	1300	15	2	300	10	50	94	2	4	6000
FAS-091	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	7.2	112.1	10.6	0	31	28.9	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	9.28	NS	NS	NS	NS	NS	0.312	NS	NS	NS	NS	NS
																								9.17						0.297					
																														0.312					
			11-Jun-2025	7.3	112	23	0	12.5	5.3	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	9.16	NS	NS	NS	NS	NS	0.158	NS	NS	NS	NS	NS
																								9.03						0.158					
			10-Sep-2025	6.9	124.3	17.5	0	32	785	NS	NS	NS	NS			No Comments	113000	<EQL	14.8	384	2.94	20	20.1	12	73.6	76.6	0.86	23.6	0.0288	30	<EQL	0.926	91	115
																	106000	<EQL	14.6	374	2.9	18.9	15.9	12	72.6	71.3		23.4		29.3	<EQL	0.883	87.5	115
			10-Dec-2025	6.2	120	9.8	0	4	16.3	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	<EQL	NS	16.9	NS	NS	NS	NS	NS	0.466	NS	NS	NS	NS	NS
																						<EQL		16.8											
FAS-092	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	7.1	158	10.6	0	46	24.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	39.9	NS	NS	NS	NS	NS	7.33	NS	NS	NS	NS	NS
			11-Jun-2025	6.6	128	22	0	7.6	22.8	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	26.6	NS	NS	NS	NS	NS	2.78	NS	NS	NS	NS	NS
			10-Sep-2025	6.7	190.4	17.5	0	21	11.9	NS	NS	NS	NS			No Comments	8440	<EQL	<EQL	55.6	1.15	5.48	<EQL	54	8.96	3.01	0.835	10.3	18	5.26	<EQL	0.12	<EQL	43.3
			10-Dec-2025	6.4	175	9.2	0	2	12.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	<EQL	NS	10.2	NS	NS	NS	NS	NS	10.8	NS	NS	NS	NS	NS
FAS-093R	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	7.5	267.4	10.1	0	67	25.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	20.6	NS	NS	NS	NS	NS	3.55	NS	NS	NS	NS	NS
			11-Jun-2025	6.5	29	22	0	6	9.2	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	0.395	NS	NS	NS	NS	NS
			10-Sep-2025	7.4	439.9	17.1	0	36	43.6	NS	NS	NS	NS			No Comments	4090	<EQL	<EQL	<EQL	<EQL	0.352	<EQL	7.74	6.74	1.55	0.184	2.61		5.25	<EQL	<EQL	<EQL	<EQL	25.2
			10-Dec-2025	7	533	5.4	0	23	28.3	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	0.23	NS	13.4	NS	NS	NS	NS	NS	3.19	NS	NS	NS	NS	NS
FAS-096	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	7.5	317.1	9.1	0	92	125	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	52.1	NS	NS	NS	NS	NS	2.45	NS	NS	NS	NS	NS
			11-Jun-2025	7.3	288	22.7	0	14.5	101	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	2.24	NS	NS	NS	NS	NS
			10-Sep-2025	7.7	311	17.7	0	39	127.2	NS	NS	NS	NS			No Comments	18100	<EQL	<EQL	68.6	0.418	0.711	9.35	8.48	11.6	8.27	0.185	4.97		3.18	2.47	<EQL	0.126	41.2	16.6
			10-Dec-2025	7.2	235	6.8	0	22	190	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	<EQL	NS	11.3	NS	NS	NS	NS	NS	2.77	NS	NS	NS	NS	NS
FAS-103	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	7.1	63.8	9.5	0	8	7.9	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	2.13	NS	NS	NS	NS	NS
			11-Jun-2025	7.2	56	24.6	0	10	23.7	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	1.55	NS	NS	NS	NS	NS
			10-Dec-2025	6.6	84	6.9	0	2	8.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	1.1	NS	NS	NS	NS	NS
FM-2	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	5.8	23	10	0	5	5.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0662	NS	NS	NS	NS	NS
			03-Jun-2025	6.1	24	21.3	0	3	4.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS
			10-Sep-2025	5.3	36	20.1	0	0	4.4	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	18.7	<EQL	<EQL	12.8	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.109	<EQL	<EQL	<EQL	<EQL	8.11
			01-Dec-2025	6.7	44	11.7	0	18	8.8	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0634	NS	NS	NS	NS	NS
																														(0.0345)					
FM-2A	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	6.7	33	10.1	0	7	6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0687	NS	NS	NS	NS	NS
																														0.0662					
			03-Jun-2025	5.9	27	21.2	0	3	3.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS
																														<EQL					
			10-Sep-2025	5.4	41	18.6	0	2	7.8	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	22.3	<EQL	0.197	13.1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	11.2
																														<EQL					
			01-Dec-2025	7	48	10.6	0	21	4.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0445	NS	NS	NS	NS	NS
																														0.0406					
FM-2B	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	5.74	36.19	7.7	NS	NS	1.44	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	6.44	44.23	13.8	NS	NS	15.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	6.8	39	10.7	0	9	6.2	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.219	NS	NS	NS	NS	NS
			13-Mar-2025	6.25	36.46	13.6	NS	NS	1.62	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	5.3	35.41	17	NS	NS	2.44	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	6.55	44.72	18.9	NS	NS	7.28	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	44.7	NS	NS	NS	NS	NS
			03-Jun-2025	6.3	30	20.9	0	8	7.8	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0581	NS	NS	NS	NS	NS
				6.3	30	20.9	0	8	7.8																									
			05-Jun-2025	5.14	32.6	23.4	NS	NS	3	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	6	39.94	24.8	NS	NS	16	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	6.3	35.04	25	NS	NS	4.83	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	6.21	45.13	19.8	NS	NS	5.75	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-Sep-2025	5.1	43	21.6	0	17	56.5	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	23.7	<EQL	<EQL	<EQL	10.6	<EQL	<EQL	0.0252	2.34	0.156	<EQL	<EQL	<EQL	<EQL	19.8	<EQL
				5.1	43	21.6	0	17	56.5									<EQL	<EQL	18.5	<EQL		<EQL	<EQL	<EQL	<EQL	0.0697	<EQL		<EQL	<EQL	<EQL	<EQL	8.25	<EQL
																										0.0247									
			02-Oct-2025	6.29	45.42	19	NS	NS	1.17	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	6.12	49.51	11.8	NS	NS	1.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	6.9	56	10.7	0	23	4.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.311	NS	NS	NS	NS	NS
				6.9	56	10.7	0	23	4.6																									
			11-Dec-2025	7.4	43.45	7.4	NS	NS	2.04	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-2BD	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	5.7	36.7	7.9	NS	NS	1.55	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	6.28	38.3	16.5	NS	NS	2.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	5.8	39	10.8	0	4	2.8	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.175	NS	NS	NS	NS	NS
			13-Mar-2025	6.62	37.41	14	NS	NS	1.88	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	6.09	38.15	17.6	NS	NS	2.79	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	6.81	45.9	19.1	NS	NS	6.79	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	6.2	34	20.4	0	7	7.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0643	NS	NS	NS	NS	NS
			05-Jun-2025	5.02	32.87	22.9	NS	NS	3.64	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	6.46	29.71	25	NS	NS	14.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	6.49	35.12	25.1	NS	NS	5.74	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	6.71	43.03	19.7	NS	NS	5.81	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			10-Sep-2025	6.3	43	18.4	0	9	6.5	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	20.9	<EQL	<EQL	13.7	<EQL	<EQL	<EQL	<EQL	<EQL	0.271	<EQL	<EQL	<EQL	<EQL	6.33	<EQL
			02-Oct-2025	6.68	45.08	19.2	NS	NS	2.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	6.67	49.26	12.9	NS	NS	1.33	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	7	54	10.5	0	23	3.5	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.169	NS	NS	NS	NS	NS
			11-Dec-2025	6.45	44.58	7.8	NS	NS	2.01	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-2D	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	6.8	28	9.3	0	8	6.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.115	NS	NS	NS	NS	NS
			03-Jun-2025	6.2	29	21.7	0	7	6.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0404	NS	NS	NS	NS	NS
																														<EQL					
			10-Sep-2025	5.9	43	18.3	0	6	11.5	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	23.3	<EQL	<EQL	13.2	<EQL	<EQL	<EQL	<EQL	<EQL	0.106	<EQL	<EQL	<EQL	<EQL	9.2	<EQL
			01-Dec-2025	7	56	10.5	0	24	19.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-2U	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	5.4	71	7.6	0	4	2.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	6.2	69	19.9	0	4	12.9	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0529	NS	NS	NS	NS	NS
FM-3A	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	5.94	34.11	11.3	NS	NS	2.01	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	6.25	31.65	16.1	NS	NS	4.5	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	5.7	40	11.5	0	5	2.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.864	NS	NS	NS	NS	NS
				5.7	40	11.5	0	5	2.1																									
			13-Mar-2025	6.1	39.52	12.1	NS	NS	0.95	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	5.82	46.37	18.1	NS	NS	3.52	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	5.9	35.7	18	NS	NS	7.2	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	5.8	34	17.7	0	3	4.7	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.823	NS	NS	NS	NS	NS
				5.9	54	19.9	0	6	5.8																									
				5.8	34	17.7		3	4.7																									
			05-Jun-2025	5.14	35.6	21.4	NS	NS	3.78	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	5.83	34.48	21.5	NS	NS	8.3	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	6.24	31.36	23.5	NS	NS	3.91	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	5.89	33.81	19.3	NS	NS	2.47	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-Sep-2025	5.1	32	19.5	0	15	7.6	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	0.224	10.3	<EQL	<EQL	<EQL	<EQL	<EQL	0.966	<EQL	<EQL	<EQL	<EQL	12.2	<EQL
				5.1	32	32	0	15	7.6								<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.032	<EQL		<EQL	<EQL	<EQL	<EQL	23.6	<EQL
																		<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL		<EQL		<EQL	<EQL	<EQL	<EQL	11.9	<EQL
			02-Oct-2025	6.01	32.1	18.2	NS	NS	0.53	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	5.6	32.2	15.6	NS	NS	2.57	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	6.4	32	13.7	0	4	4.7	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.089	NS	NS	NS	NS	NS
				6.4	32	13.7	0	4	4.7																									
			11-Dec-2025	6.17	32.62	12.1	NS	NS	4.61	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-A7	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	5.55	51.54	6.6	NS	NS	3.33	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	6.46	53.1	13.5	NS	NS	3.68	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	6.3	85	8.6	0	7	5.1	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.95	NS	NS	NS	NS	NS
			13-Mar-2025	6.32	74.3	12.7	NS	NS	3.29	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	5.47	38.51	16.9	NS	NS	5.52	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	7.02	83.54	17.7	NS	NS	6.63	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	6.5	52	20.3	0	8	7.9	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.4	NS	NS	NS	NS	NS
			05-Jun-2025	5.61	58.87	22.1	NS	NS	4.95	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	6.77	77.9	23.9	NS	NS	12.6	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	6.54	47.72	24	NS	NS	5.41	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	7.11	106.1	18.7	NS	NS	4.27	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			10-Sep-2025	7.2	78	17.5	0	18	12.8	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	13.1	<EQL	<EQL	13	<EQL	<EQL	<EQL	<EQL	<EQL	3.75	<EQL	<EQL	<EQL	<EQL	7.06	<EQL
			02-Oct-2025	6.39	57.58	17.7	NS	NS	2.85	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	6.69	62.33	11.1	NS	NS	3.05	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	7.2	56	10.4	0	15	6.7	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.614	NS	NS	NS	NS	NS
			11-Dec-2025	6.93	56.31	8.5	NS	NS	5.37	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-A7U	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	6.3	41	12.5	0	7	1.4	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.45	NS	NS	NS	NS	NS
			04-Jun-2025	7.4	38	20	0	28	12.9	NS	NS	NS	NS			No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.28	NS	NS	NS	NS	NS
			10-Sep-2025	6	38	16.5	0	4	1.7	NS	NS	NS	NS			No Comments	<EQL	<EQL	<EQL	11.2	<EQL	<EQL	12.2	<EQL	<EQL	<EQL	<EQL	<EQL	2.35	<EQL	<EQL	<EQL	<EQL	8.09

Table B-4. 2025 H-Area Seepline Piezometer and Surface Water Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	WATER TEMPERATURE	SAMPLING EVENT WATER ELEVATION	TURBIDITY	SPECIFIC CONDUCTANCE	PH	Constituent	FIELD CONDITIONS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	CYANIDE	LEAD	MERCURY	NICKEL	NITRATE-NITRITE AS NITROGEN	SELENIUM	SILVER	THALLIUM	TIN	VANADIUM	ZINC
			Field Data								Inorganics																		
			day-month-year	degC	ft	NTU	uScm	unitless	Unit		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
									GWPS		6	10	2000	4	5	100	3	1300	200	15	2	300	10	50	94	2	2.6	4	6000
HAS-102	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	11.4	NS	475	72	7.4		No Comments	NS	NS	NS	NS	NS	NS	66	NS	NS	NS	7.98	NS	1.09	NS	NS	NS	NS	NS	NS
																							0.137						
			11-Jun-2025	20.1	NS	33	83	6.2		No Comments	NS	NS	NS	NS	NS	NS	5.25]	NS	NS	NS	0.909	NS	0.8	NS	NS	NS	NS	NS	NS
			10-Sep-2025	17.6	NS	401	51	6.5		No Comments	<EQL	<EQL	707	5.92	[14.6]	31.4	155	[19.2]	<EQL	66.1	17.8	46.9	1.14	[6.23]	<EQL	[0.738]	<EQL	[58.1]	123
			10-Dec-2025	8.5	NS	45.3	55	7.1		No Comments	NS	NS	NS	NS	[0.393]	NS	[6.13]	NS	NS	NS	<EQL	NS	1.21	NS	NS	NS	NS	NS	NS
HAS-103	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	9.7	NS	103	49	7.6		No Comments	NS	NS	NS	NS	NS	NS	39.7	NS	NS	NS	0.251	NS	0.0367	NS	NS	NS	NS	NS	NS
			11-Jun-2025	20.8	NS	24.1	47	6		No Comments	NS	NS	NS	NS	NS	NS	[18.6]	NS	NS	NS	[0.0868]	NS	<EQL	NS	NS	NS	NS	NS	NS
			10-Sep-2025	17	NS	1000	75	6.9		No Comments	<EQL	[22]	726	4.44	5.66	[19.2]	2.29	[15.4]	<EQL	37.8	0.669	44.4	0.366	[3.1]	<EQL	[0.837]	<EQL	[93.1]	145
																							0.358						
			10-Dec-2025	8	NS	45.1	50	7		No Comments	NS	NS	NS	NS	[0.492]	NS	[33.8]	NS	NS	NS	<EQL	NS	0.141	NS	NS	NS	NS	NS	NS
																							0.137						
HAS-106	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	8.9	NS	128	75	7.3		No Comments	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	[0.0343]	NS	0.949	NS	NS	NS	NS	NS	NS
			18-Jun-2025	22.6	NS	85.9	79	7.2		No Comments	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	[0.0257]	NS	0.543	NS	NS	NS	NS	NS	NS
																					<EQL		0.531						
			10-Sep-2025	18.8	NS	13.1	83	6.2		No Comments	<EQL	<EQL	111	<EQL	<EQL	[3.41]	<EQL	<EQL	<EQL	[0.503]	<EQL	<EQL	0.28	<EQL	<EQL	<EQL	<EQL	[10.2]	<EQL
																							0.276						
			10-Dec-2025	5.2	NS	63.7	103	7.4		No Comments	NS	NS	NS	NS	<EQL	NS	<EQL	NS	NS	NS	<EQL	NS	1.21	NS	NS	NS	NS	NS	NS
HAS-107	FMB Seepline Surface Water Location	UAZ_UTRAU	12-Mar-2025	8.4	NS	139	86	7.1		No Comments	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	[0.0316]	NS	0.176	NS	NS	NS	NS	NS	NS
																							0.174						
			11-Jun-2025	21	NS	110	84	6.4		No Comments	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	[0.0673]	NS	0.117	NS	NS	NS	NS	NS	NS
HAS-113	FMB Seepline Surface Water Location	UAZ_UTRAU	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-2	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	10	NS	5	23	5.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0662	NS	NS	NS	NS	NS	NS
			03-Jun-2025	21.3	NS	4.1	24	6.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS
			10-Sep-2025	20.1	NS	4.4	36	5.3		No Comments	<EQL	<EQL	[84.7]	<EQL	<EQL	[12.6]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.109	<EQL	<EQL	<EQL	<EQL	[6.11]	<EQL
			01-Dec-2025	11.7	NS	8.8	44	6.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0634	NS	NS	NS	NS	NS	NS
																							[0.0345]						
FM-2A	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	10.1	NS	6	33	6.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0687	NS	NS	NS	NS	NS	NS
																							0.0662						
			03-Jun-2025	21.2	NS	3.4	27	5.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS
																							<EQL						
			10-Sep-2025	18.6	NS	7.8	41	5.4		No Comments	<EQL	<EQL	[22.3]	<EQL	[0.197]	[13.1]	<EQL	<EQL	[10.4]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[11.2]
																			<EQL				<EQL						
			01-Dec-2025	10.6	NS	4.6	48	7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0445]	NS	NS	NS	NS	NS	NS
																							[0.0406]						
FM-2B	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	7.7	NS	1.44	36.19	5.74		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	13.8	NS	15.1	44.23	6.44		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	10.7	NS	6.2	39	6.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.219	NS	NS	NS	NS	NS	NS
				10.7		6.2	39	6.8																					
			13-Mar-2025	13.6	NS	1.62	36.46	6.25		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	17	NS	2.44	35.41	5.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	18.9	NS	7.28	44.72	6.55		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	20.9	NS	7.8	30	6.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0581	NS	NS	NS	NS	NS	NS
				20.9		7.8	30	6.3																					
			05-Jun-2025	23.4	NS	3	32.6	5.14		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	24.8	NS	16	39.94	6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	25	NS	4.83	35.04	6.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	19.8	NS	5.75	45.13	6.21		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-Sep-2025	21.6	NS	56.5	43	5.1		No Comments	<EQL	<EQL	[23.7]	<EQL	<EQL	[10.6]	<EQL	<EQL	<EQL	<EQL	[0.0252]	[2.34]	0.156	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
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																					[0.0247]								
			02-Oct-2025	19	NS	1.17	45.42	6.29		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	11.8	NS	1.4	49.51	6.12		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	10.7	NS	4.6	56	6.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.311	NS	NS	NS	NS	NS	NS
				10.7		4.6	56	6.9																					
			11-Dec-2025	7.4	NS	2.04	45.45	7.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-2BD	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	7.9	NS	1.55	36.7	5.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	16.5	NS	2.1	38.3	6.28		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	10.8	NS	2.8	39	5.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.175	NS	NS	NS	NS	NS	NS
			13-Mar-2025	14	NS	1.88	37.41	6.62		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	17.6	NS	2.79	38.15	6.09		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	19.1	NS	6.79	45.9	6.81		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	20.4	NS	7.4	34	6.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0643	NS	NS	NS	NS	NS	NS
			05-Jun-2025	22.9	NS	3.64	32.87	5.02		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	25	NS	14.6	39.71	6.46		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	25.1	NS	5.74	35.12	6.49		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	19.7	NS	5.81	43.03	6.71		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			10-Sep-2025	18.6	NS	6.5	43	6.3		No Comments	<EQL	<EQL	[20.9]	<EQL	<EQL	[13.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.271	<EQL	<EQL	<EQL	<EQL	[5.33]	<EQL
			02-Oct-2025	19.2	NS	2.6	45.08	6.68		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	12.9	NS	1.33	49.26	6.67		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	10.5	NS	3.5	54	7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.169	NS	NS	NS	NS	NS	NS
			11-Dec-2025	7.8	NS	2.01	44.58	6.45		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-2D	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	9.3	NS	6.4	38	6.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.116	NS	NS	NS	NS	NS	NS
			03-Jun-2025	21.7	NS	6.1	29	6.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.0404]	NS	NS	NS	NS	NS	NS
																							<EQL						
			10-Sep-2025	18.3	NS	11.5	43	5.9		No Comments	<EQL	<EQL	[23.3]	<EQL	<EQL	[13.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.106	<EQL	<EQL	<EQL	<EQL	[9.2]	<EQL
																			<EQL										
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FM-2U	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	7.6	NS	2.1	71	5.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS
			03-Jun-2025	19.9	NS	12.9	69	6.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0529	NS	NS	NS	NS	NS	NS
FM-3A	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	11.3	NS	2.01	34.11	5.94		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	16.1	NS	4.5	31.65	6.25		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	11.5	NS	2.1	40	5.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.864	NS	NS	NS	NS	NS	NS
				11.5		2.1	40	5.7																					
			13-Mar-2025	12.1	NS	0.95	39.52	6.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	18.1	NS	3.52	46.37	5.82		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	18	NS	7.2	35.7	5.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	17.7	NS	4.7	34	5.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.823	NS	NS	NS	NS	NS	NS
				19.9		5.8	54	5.9																					
				17.7		4.7	34	5.8																					
			05-Jun-2025	21.4	NS	3.78	35.6	5.14		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	21.5	NS	8.3	34.48	5.83		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	23.5	NS	3.91	31.36	6.24		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	19.3	NS	2.47	33.81	5.89		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-Sep-2025	19.5	NS	7.6	32	5.1		No Comments	<EQL	<EQL	<EQL	<EQL	[0.224]	[10.3]	<EQL	<EQL	[1.73]	<EQL	<EQL	<EQL	0.966	<EQL	<EQL	<EQL	<EQL	[12.2]	<EQL
				32		7.6	32	5.1			<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.032]	<EQL		<EQL	<EQL	<EQL	<EQL	[23.6]	<EQL
											<EQL	<EQL	[8.32]	<EQL	<EQL	<EQL	<EQL	<EQL	[11.9]		<EQL	<EQL		<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
			02-Oct-2025	18.2	NS	0.53	32.1	6.01		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	15.6	NS	2.57	32.2	5.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	13.7	NS	4.7	32	6.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.809	NS	NS	NS	NS	NS	NS
				13.7		4.7	32	6.4																					
			11-Dec-2025	12.1	NS	4.61	32.62	6.17		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-A7	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	6.6	NS	3.33	51.54	5.55		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	13.5	NS	3.68	53.1	6.46		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	8.6	NS	5.1	85	6.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.95	NS	NS	NS	NS	NS	NS
			13-Mar-2025	12.7	NS	3.29	74.3	6.32		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	16.9	NS	5.52	38.51	5.47		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	17.7	NS	6.63	83.54	7.02		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	20.3	NS	7.9	52	6.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.4	NS	NS	NS	NS	NS	NS
			05-Jun-2025	22.1	NS	4.95	58.87	5.61		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	23.9	NS	12.6	77.9	6.77		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	24	NS	5.41	47.72	6.54		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	18.7	NS	4.27	106.1	7.11		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			10-Sep-2025	17.5	NS	12.8	78	7.2		No Comments	<EQL	<EQL	[15.1]	<EQL	<EQL	[13]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	3.75	<EQL	<EQL	<EQL	<EQL	[7.06]	<EQL
			02-Oct-2025	17.7	NS	2.85	57.58	6.39		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	11.1	NS	3.05	62.33	6.69		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	10.6	NS	6.7	56	7.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.614	NS	NS	NS	NS	NS	NS
			11-Dec-2025	8.5	NS	5.37	56.31	6.93		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FM-A7U	FMB Surface Water Location	UAZ_UTRAU	04-Mar-2025	12.5	NS	1.4	41	6.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.45	NS	NS	NS	NS	NS	NS
			04-Jun-2025	20	NS	12.9	38	7.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.28	NS	NS	NS	NS	NS	NS
			10-Sep-2025	16.5	NS	1.7	38	6		No Comments	<EQL	<EQL	[11.2]	<EQL	<EQL	[7.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.35	<EQL	<EQL	<EQL	<EQL	[4.4]	<EQL
			01-Dec-2025	12.3	NS	3.6	40	6.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.31	NS	NS	NS	NS	NS	NS
FMC-002F	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	10.3	NS	2.79	44.24	5.61		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	13.6	NS	3.41	43.38	6.36		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Mar-2025	9.1	NS	4	206	6.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.412	NS	NS	NS	NS	NS	NS
			13-Mar-2025	12.1	NS	3.17	39.52	6.74		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	17.2	NS	3.98	73.49	5.77		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	18	NS	6.76	47.9	6.94		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			03-Jun-2025	19.9	NS	58	54	5.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.214	NS	NS	NS	NS	NS	NS
			05-Jun-2025	22.2	NS	3.93	61.32	5.63		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			02-Jul-2025	23.9	NS	17.4	57.9	6.71		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			21-Aug-2025	24	NS	5.97	40.96	6.77		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Sep-2025	18.8	NS	5.5	51.8	6.65		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			10-Sep-2025	17.9	NS	14	51	6.8		No Comments	<EQL	<EQL	[20.2]	<EQL	<EQL	[12.6]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.49	<EQL	<EQL	<EQL	<EQL	[5.29]	<EQL
			02-Oct-2025	18.3	NS	3.32	48.89	7.12		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Nov-2025	12	NS	2.58	51.86	6.62		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			01-Dec-2025	11	NS	6.9	57	7.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.445	NS	NS	NS	NS	NS	NS
			11-Dec-2025	7.9	NS	3.1	51.19	6.69		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FMC-002H	FMB Surface Water Location	UAZ_UTRAU	02-Jan-2025	7.7	NS	1.72	36.42	5.56		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			06-Feb-2025	13.8	NS	5.12	38.85	6.48		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Mar-2025	13.9	NS	5.8	40	5.9		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			13-Mar-2025	13.3	NS	1.97	36.7	6.44		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Apr-2025	17.3	NS	2.6	39.1	5.51		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			08-May-2025	18.8	NS	8.15	44.35	6.51		No Comments	NS	NS

Table B-5 3Q25 F-Area Annual Appendix IX Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	2,3,4,6-TETRACHLOROPHENOL	2,4,5-TRICHLOROPHENOL	2,4,6-TRICHLOROPHENOL	2,4-DICHLOROPHENOL	2,4-DIMETHYLPHENOL	2,4-DINITROPHENOL	2,4-DINITROTOLUENE	2-CHLOROPHENOL	2-NITROPHENOL	2-NITROPHENOL	3(ON)-O-CRESOL	3(P)-CRESOL	5-CHLORO-M-CRESOL	6-CHLORO-M-CRESOL	PENTACHLOROPHENOL	PHENOL	2,2,4,5-TETRACHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3,5-TRINITROBENZENE	1,3-DICHLOROBENZENE	1,3-DINITROBENZENE	1,4-DICHLOROBENZENE	2,4-DINITROTOLUENE	2,6-DINITROTOLUENE	2-ACETYLAMINOFLUORENE	2-CHLORONAPHTHALENE	2-CHLOROPHENOL	3,3'-DICHLOROBENZIDINE	3,4-METHYLANILINE (O-TOLUIDINE)	3-METHYLCHOLANTHRENE	4-NITROANILINE	4-NITROPHENOL	4-BROMOPHENYL PHENYL ETHER	4-CHLOROANILINE	4-CHLOROPHENYL PHENYL ETHER	4-NITROQUINOLINE-1-OXIDE	5-NITRO-O-TOLUIDINE	7,12-DIMETHYLBENZ(A)ANTHRACENE	9,10-DIMETHYLPHENANTHRYLAMINE	ACENAPHTHENE	ACENAPHTHYLENE	ACETOPHENONE	ANILINE
			Field Data	Acids																Base/Neutrals																												
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FSB WD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	300	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB NX	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB NSD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB WCR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB WDR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	16.7	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB 97A	Point of Compliance Well	GAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-5 3Q25 F-Area Annual Appendix IX Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	ANTHRACENE	ARAMITE	BENZO(A)ANTHRACENE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	BENZO(GHI)PERYLENE	BENZO(K)FLUORANTHENE	BENZOIC ACID	BIS(2-CHLORO-1-METHYLETHYL)ETHER	BIS(2-CHLOROETHOXY)METHANE	BIS(2-CHLOROETHYL)ETHER	BIS(2-ETHYLHEXYL)PHTHALATE (DEHP)	BUTYL BENZYL PHTHALATE	CHLOROBENZILATE	CHRYSENE	DIALATE	DIBENZO(A,H)ANTHRACENE	DIBENZOFURAN	DIETHYL PHTHALATE	DIMETHOATE	DIMETHYL PHTHALATE	DI-N-BUTYL PHTHALATE	DIPHENYLAMINE	DISULFOTON	ETHYL METHACRYLATE	ETHYL METHANESULFONATE	FAMPHUR	FLUORANTHENE	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROBUTADIENE	HEXACHLOROCYCLOPENTADIENE	HEXACHLOROETHANE	HEXACHLOROPHENE	HEXACHLOROPROPENE	INDENO(1,2,3-CD)PYRENE	ISODRIN	ISOPHORONE	ISOSAFROLE	KEPONE	METHAPYRILENE	METHYL METHANESULFONATE	METHYL PARATHION	N-NITROSIANILINE	NAPHTHALENE	N-DECYL PHTHALATE	NITROBENZENE	N-NITROSODIBUTYLAMINE	N-NITROSODIETHYLAMINE	N-NITROSODIPHENYLAMINE	N-NITROSODI-N-BUTYLAMINE
			Field Data	Base/Neutrals																																												
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FSB WD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB NX	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.61	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB NSD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB WCR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB WDR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB 97A	Point of Compliance Well	GAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-5 3Q25 F-Area Annual Appendix IX Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	N-NITROSOPIPERIDINE	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE	N-NITROSODIPROPYLAMINE	N-NITROSODIMORPHOLINE	N-NITROSO-N-METHYLETHYLAMINE	N-NITROSOPYRROLIDINE	N-NITROSOPIPERIDINE	O,O,O-TRIETHYL PHOSPHOROTHIOATE	P-DIMETHYLAMINOAZOBENZENE	PENTACHLOROBENZENE	PENTACHLOROETHANE	PENTACHLORONITROBENZENE	PHENACETIN	PHENANTHRIDINE	PHORATE	P-NITROANILINE	P-PHENYLENEDIAMINE	PRONAMIDE	PYRENE	PYRIDINE	SAFROLE	SULFOTEPP	THIONAZIN	CYANIDE	2,3,7,8-TCDD	HEXACHLORODIBENZO-P-DIOXINS	PENTACHLORODIBENZO-P-DIOXINS	TETRACHLORODIBENZO-P-DIOXIN	HEXACHLOROFURAN	PENTACHLOROFURAN	TETRACHLORODIBENZOFURANS	2,4,5-T	2,4,5-TP (SILVEX)	2,4-DICHLOROPHENOXYACETIC ACID (2,4-D)	DINOSEB	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM
			Field Data	Base/Neutrals																							Cyanide	Dioxins				Furans			Herbicides				Metals											
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FSB WD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	9	10	2000	4	5	100	3	100	15	1	5	50	30	94	2
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	95.2	8.9	15.1	1.41	0.7	0.25	4.15	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	95.2	0.973	15.7	1.18	0.748	0.28	4.52	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	95.1	0.973	13.1	0.33	0.695	0.82	4.47	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB NX	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.9	12.86	8.04	0.47	27.9	5.56	42.6	1.8	9.52	1	21.2	<EQL	<EQL
FSB NSD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.83	0.798	1.36	11.8	4.06	7.97	0.76	0.794	1.45	1.64	<EQL	<EQL
FSB WCR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	22	5.32	4.29	11.6	50	10.1	0.623	1.77	24.1	15.4	<EQL	1.06
FSB WDR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	105	0.668	1.1	1.36	<EQL	14.5	5.79	1.83	11.1	4.21	<EQL	<EQL
																																							<EQL											
FSB 97A	Point of Compliance Well	GAU	15-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.63	<EQL	<EQL	1.17	<EQL	<EQL	2.34	<EQL	1.1	<EQL	<EQL	<EQL

Table B-5 3Q25 F-Area Annual Appendix IX Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	TIN	VANADIUM	ZINC	4BCOC GW 1004	4BCOC GW 1223	4BCOC GW 1322	4BCOC GW 1342	4BCOC GW 1348	4BCOC GW 1354	4BCOC GW 1360	ALDRIN	ALPHA-BENZENE HEXACHLORIDE	ALPHA-CHLORDANE	BETA-BENZENE HEXACHLORIDE	DDD	DDE	DDT	DELTA-BENZENE HEXACHLORIDE	DIELDRIN	ENDOSULFAN I	ENDOSULFAN II	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	GAMMA-CHLORDANE	HEPTACHLOR	HEPTACHLOR EPOXIDE	KEPONE	METHOXYCHLOR	TOXAPHENE	9,1,1-TOTAL	1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROPROPANE	1,4-DIOXANE	ACETONE	ACETONITRILE (METHYL CYANIDE)	ACROLEIN	ACRYLONITRILE	ALLYL CHLORIDE	BENZENE	BROMODICHLOROMETHANE
			Field Data	Metals			PCBs							Pesticides																			Sulfide	Volatiles																	
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
FSB WD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	8000	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	28.3	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	33.7																																													
FSB NX	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	34.6	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB NSD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	15.2	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB WCR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	98.9	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB WDR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	10.4	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
FSB 97A	Point of Compliance Well	GAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-5 3Q25 F-Area Annual Appendix IX Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	BROMOFORM (TRIBROMOMETHANE)	BROMOMETHANE (METHYL BROMIDE)	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE (ETHYL CHLORIDE)	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CHLOromethane (METHYL CHLORIDE)	CHLOROPRENE	CIS-1,3-DICHLOROPROPENE	DIBROMOCHLOROMETHANE	DIBROMOETHANE (ETHYLENE DIBROMIDE)	DICHLOROETHANE (ETHYLIDENE DICHLORIDE)	DICHLOROETHANE (METHYLENE CHLORIDE)	ETHYL BENZENE	IODOMETHANE (METHYL IODIDE)	ISOBUTANOL	METHYL ETHYL KETONE	METHYL ISOBUTYL KETONE	METHYL METHACRYLATE	PROPIONITRILE	STYRENE	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES	Radionuclides CARBON-14	CESIUM-134
			Field Data	Volatiles																																		
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L
FSB WD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	88	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5	<EQL	<EQL	<EQL	<EQL	<EQL	208	<EQL	<EQL	28	<EQL
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.579	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	24.6	<EQL
FSB NX	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.83	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.17	<EQL	<EQL	64.1	<EQL
FSB NSD	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.61	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	39.3	<EQL
FSB WCR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.64	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5.43	<EQL	<EQL	68.1	<EQL
FSB WDR	Point of Compliance Well	UAZ_UTRAU	14-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.67	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	110	<EQL
FSB 97A	Point of Compliance Well	GAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Explanation

1	1
<EQL	<EQL
1	Greater Than GWPS.
R	Result Rejected
1	Less than GWPS
RNS	RNS

ABBREVIATIONS

UAZ UTRA	Upper Aquifer Zone of the Upper Three Runs Aquifer
LAZ UTRA	Lower Aquifer Zone of the Upper Three Runs Aquifer
ug/L	micrograms per liter
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
<EQL	less than estimated quantitation limit
NDD	not decision data
REJ	rejected
NS	not sampled
RNS	requested to be sampled but did not. see comments as to why not.
POC	point of compliance
GWPS	groundwater protection standard
D	well is dry-no sample of field data collected
I	Well went dry during sampling, Field data collected but insufficient water to collect all samples
L	Well were dry before sampling began, only depth to water can be determined
P	Sample collection could not be completed because of inaccessibility or mechanical failure
T	Samples were collected, but turbidity exceeded 15 NTUs
X	Well went dry during purging, samples collected after well recovered measurements obtained
2	Sampled After Recovery

Sum of Beta Dose (FH Areas): (C-14/2000 + Cs-137/200 +Co-60/100 +I-129/1 +Ra-228/5 +Sr-90/8 + Tc-99/900)*4
Sum of Betas (FH Areas): (C-14+Cs-137+Co-60+Ni-63+I-129+Ra-228+Sr-90+Tc-99)
Sum of Alphas (FH Areas): (Am-241 +Cm-242+Cm-243/244+Cm-245/246+Pu-238+Pu-239/240+Th-228+Th-230+Th-232+U-233/234+U-235+U-238)
Radium Total (FH and MWMF Areas): Ra-226+Ra-228

Table B-6. 3Q25 H-Area Annual Appendix IX and CRML

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	2,4,5-TETRACHLOROPHENOL	2,4,5-TRICHLOROPHENOL	2,4,6-TRICHLOROPHENOL	2,4-DICHLOROPHENOL	2,4-DINITROPHENOL	2,4-DINITROTOLUENE	2-CHLOROPHENOL	2-NITROPHENOL	2-NITROTOLUENE	3(5)-NITRO-O-CRESOL	4,6-DINITRO-O-CRESOL	2-CRESOL (2-METHYLPHENOL)	4-CHLORO-M-CRESOL	PENTACHLOROPHENOL	PHENOL	1,2,4,5-TETRACHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3,5-TRINITROBENZENE	1,3-DICHLOROBENZENE	1,3-DINITROBENZENE	1,4-DICHLOROBENZENE	1,4-DIOXANE	4,6-DINITRO-2-METHYLPHENOL	4-NITROPHENOL	2,4-DINITROTOLUENE	2,6-DINITROTOLUENE	2-CHLORONAPHTHALENE	2-CHLOROPHENOL	2-METHYLNAPHTHALENE	2-METHYLPHENOL	2-NITROANILINE	3-NITROANILINE	2-PICOLINE	3-DICHLOROBENZIDINE	3,3'-DIMETHYLBENZIDINE	3-METHYLCHOLANTHRENE	4-AMINOBIPHENYL	4-BROMOPHENYL PHENYL ETHER	4-CHLOROPHENYL PHENYL ETHER	4-NITROQUINOLINE-1-OXIDE	5-NITRO-O-TOLUIDINE	7,12-DIMETHYLBENZ(A)ANTHRACENE	9,10-DIMETHYLPHENANTHRENE	ACENAPHTHENE	ACETOPHENONE	ANILINE
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				Field Data	Acids														Base/Neutrals																															
HSB110ID	Point of Compliance Well	UAZ_UTRAU	16-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HSB110C	Point of Compliance Well	LAZ_UTRAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HSB110D	Point of Compliance Well	UAZ_UTRAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.300	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HSB110D	Point of Compliance Well	UAZ_UTRAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.400	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HSB110D	Point of Compliance Well	UAZ_UTRAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HSB110D	Point of Compliance Well	UAZ_UTRAU	15-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HSB110D	Point of Compliance Well	UAZ_UTRAU	16

Table B-7a. UAZ 2025 SWP Annual Compliance Monitoring

| | | | Field Data | | | | | | | | | | | | | Metals | | | | | | | | | | | | | | | | | Radionuclides | | | | | | | | | | | | | | | | |

Table B-7b. LAZ 2025 SWP Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	PH	SPECIFIC CONDUCTANCE	WATER TEMPERATURE	TOTAL ALKALINITY (AS CACO3)	TURBIDITY	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	OXYGEN	OXIDATION/REDUCTION POTENTIAL	Constituent	FIELD CONDITIONS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	TIN	VANADIUM	ZINC
			Field Data												Metals																	
			day-month-year	unitless	uS/cm	degC	mg/L	NTU	ft	day-month-year	ft	mg/L	mV	Unit		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
														GWPS		6	10	2000	4	100	6	1300	15	2	300	50	94	2	12000	86	6000
HSB 85B	Background Well	LAZ_UTRAU	10-Feb-2025	11	164.1	21.2	48	0.7	230.79	06-Jan-2025	230.6	1.54	76		No Comments	<EQL	<EQL	[21.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
										01-Apr-2025	230.27																					
										01-Jul-2025	226.14																					
										01-Oct-2025	225.79																					
			14-Apr-2025	10.4	146	20.8	31	0.5	230.81	06-Jan-2025	230.6	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	230.27																					
										01-Jul-2025	226.14																					
										01-Oct-2025	225.79																					
			29-Jul-2025	10.6	151	21.5	51	1	226.7	06-Jan-2025	230.6	1.4	222		No Comments	<EQL	<EQL	[20.8]	<EQL	[3.74]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[12.2]	[6.36]
										01-Apr-2025	230.27																					
										01-Jul-2025	226.14																					
										01-Oct-2025	225.79																					
			08-Oct-2025	10.6	168	21	41	0.7	230.7	06-Jan-2025	230.6	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	[0.0254]	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	230.27																					
										01-Jul-2025	226.14																					
										01-Oct-2025	225.79																					
BGO 29C	Plume Assessment Well	LAZ_UTRAU	29-Jul-2025	5.1	29	20.7	1	3.7	219.32	02-Jan-2025	218.47	3.89	242		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	218.9																					
										01-Jul-2025	219.25																					
										01-Oct-2025	218.9																					
BGO 45B	Plume Assessment Well	LAZ_UTRAU	26-Feb-2025	9.2	178	19.8	79	1.9	215.68	02-Jan-2025	215.44	4.46	131		X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	215.69																					
										01-Jul-2025	215.9																					
										01-Oct-2025	212.31																					
			29-Jul-2025	9.2	127	19.9	42	0.4	215.96	02-Jan-2025	215.44	5.4	125		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	215.69																					
										01-Jul-2025	215.9																					
										01-Oct-2025	212.31																					
BGO 45C	Plume Assessment Well	LAZ_UTRAU	29-Jan-2025	5.5	50	19.7	3	6.2	220.2	02-Jan-2025	219.51	4.1	125		X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	219.9																					
										01-Jul-2025	220.15																					
										01-Oct-2025	215.03																					
			29-Jul-2025	6.2	56	19.8	5	4.6	218.98	02-Jan-2025	219.51	7.1	168		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	219.9																					
										01-Jul-2025	220.15																					
										01-Oct-2025	215.03																					
BGO 46B	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	02-Jan-2025	215.16	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	215.44																					
										01-Jul-2025	215.8																					
										01-Oct-2025	213.21																					
BGO 46C	Plume Assessment Well	LAZ_UTRAU	29-Jan-2025	6.4	78	21.8	30	12.1	216.7	02-Jan-2025	216.58	1.59	137		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	216.77																					
										01-Jul-2025	217.1																					
										01-Oct-2025	218.22																					
			29-Jul-2025	6.2	68	21.3	6	7.8	215.79	02-Jan-2025	216.58	5.1	177		No Comments	<EQL	<EQL	[61.5]	<EQL	[17.5]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[22.4]	<EQL
										01-Apr-2025	216.77																					
										01-Jul-2025	217.1																					
										01-Oct-2025	218.22																					
BGO 47C	Plume Assessment Well	LAZ_UTRAU	26-Feb-2025	5.6	43	20	7	0.9	220.08	02-Jan-2025	219.78	3.99	251		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	220.13																					
										01-Jul-2025	220.58																					
										01-Oct-2025	221.32																					
			30-Jul-2025	5.6	48	21.1	6	1	220.5	02-Jan-2025	219.78	4.3	156		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	220.13																					
										01-Jul-2025	220.58																					
										01-Oct-2025	221.32																					
BGO 48C	Plume Assessment Well	LAZ_UTRAU	26-Feb-2025	4.9	40	21.3	0	0.3	220.52	02-Jan-2025	220.51	2.28	284		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	220.64																					
										01-Jul-2025	221.03																					
										01-Oct-2025	220.52																					
			30-Jul-2025	5	39	20.7	0	0.9	221	02-Jan-2025	220.51	3.9	245		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	220.64																					
										01-Jul-2025	221.03																					
										01-Oct-2025	220.52																					
BGO 50C	Plume Assessment Well	LAZ_UTRAU	29-Jan-2025	6.2	24.1	19.4	8	2.4	215.52	02-Jan-2025	216.01	2.93	258		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	216.21																					
										01-Jul-2025	216.43																					
										01-Oct-2025	211.6																					
			05-Aug-2025	5.1	25	20.3	3	4.3	216.43	02-Jan-2025	216.01	5.9	126		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	216.21																					
										01-Jul-2025	216.43																					
										01-Oct-2025	211.6																					
BSW_1C1	Plume Assessment Well	LAZ_UTRAU	30-Jan-2025	4.7	28	18	0	10.5	NS	NS	NS	5.1	317		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Aug-2025	4.1	29	19.3	0	9.4	NS	NS	NS	9.8	302		No Comments	<EQL	<EQL	[20.3]	<EQL	[4.38]	<EQL	<EQL	[0.678]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[7.82]
BSW_1C2	Plume Assessment Well	LAZ_UTRAU	30-Jan-2025	5	34	18	0	1000	NS	NS	NS	6.7	271		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Aug-2025	4.7	33	19.6	0	965	NS	NS	NS	9.7	264		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_1C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	02-Jan-2025	209.93	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	213.42																					
										01-Jul-2025	212.31																					
										01-Oct-2025	212.67																					
BSW_1C4	Plume Assessment Well	LAZ_UTRAU	30-Jan-2025	6.3	119	18	58	10.6	NS	NS	NS	3	174		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			04-Aug-2025	5.3	126	19.4	10	8.6	NS	NS	NS	7.7	242		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_2C1	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_2C2	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_2C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_2C1	Plume Assessment Well	LAZ_UTRAU	10-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			11-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			14-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			15-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			16-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			17-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			31-Jul-2025	6.7	318	23.2	22	92.6	216.11	NS	NS	6.62	27		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_3C2	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	02-Jan-2025	204.12	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	216.05																					
										01-Jul-2025	215.81																					
										01-Oct-2025	215.2																					
BSW_3C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_3C4	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_4C1	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_4C2	Plume Assessment Well	LAZ_UTRAU	31-Jul-2025	6.2	79	20.9	22	42	NS	NS	NS	6	135		No Comments	<EQL	<EQL	[46.1]	<EQL	[7.02]	<EQL	<EQL	[3.88]	<EQL	<EQL	<EQL	<EQL	[0.154]	<EQL	<EQL	[19.4]
BSW_4C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	02-Jan-2025	216.71	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	218.72																					
										01-Jul-2025	220.55																					
										01-Oct-2025	232.52																					
BSW_5C1	Plume Assessment Well	LAZ_UTRAU	11-Feb-2025	9.7	103	18.1	51	11.1	NS	NS	NS	5.74	195		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			31-Jul-2025	7.5	103	21.6	43	2.5	NS	NS	NS	3.9	147		No Comments	<EQL	<EQL	[11.3]	<EQL	[7.82]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[3.2]	[16.6]
BSW_5C2	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_5C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_5C4	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	02-Jan-2025	211	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	211.81																					
										01-Jul-2025	213.61																					
										01-Oct-2025	210.83																					
BSW_6C1	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_6C2	Plume Assessment Well	LAZ_UTRAU	11-Feb-2025	5.8	41.3	18.2	11	4.6	NS	NS	NS	2.91	257		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Aug-2025	4.7	41	19.7	0	2.3	NS	NS	NS	6.9	257		No Comments	<EQL	<EQL	<EQL	<EQL	[3.23]	<EQL	<EQL	<EQL	[0.156]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	28.3
BSW_6C3	Plume Assessment Well	LAZ_UTRAU	11-Feb-2025	5.5	42.2	18.4	12	7.5	NS	NS	NS	2.84	258		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Aug-2025	4.9	42	19.7	0	8.5	NS	NS	NS	7.4	247		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_6C4	Plume Assessment Well	LAZ_UTRAU	11-Feb-2025	6.9	186.9	18.3	28	102.2	NS	NS	NS	3.02	259		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Aug-2025	6.8	185	19.6	26	19.6	NS	NS	NS	7.6	164		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_7C1	Plume Assessment Well	LAZ_UTRAU	11-Feb-2025	5.3	59	17.4	23	48.1	NS	NS	NS	6.74	166		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Aug-2025	5.8	57.1	19.5	9	38.7	NS	NS	NS	2.61	253		No Comments	<EQL	<EQL	[39.5]	[0.423]	[8.42]	<EQL	<EQL	[1.81]	<EQL	[4.35]	<EQL	<EQL	[0.197]	<EQL	<EQL	[17.1]
BSW_7C2	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_7C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	06-Jan-2025	212.71	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	212.43																					
										01-Jul-2025	211.23																					
										01-Oct-2025	211.82																					
BSW_8C1	Plume Assessment Well	LAZ_UTRAU	05-Mar-2025	5.2	35	17	3	14.7	NS	NS	NS	6.3	179		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Aug-2025	5.9	31.4	19.4	12	9.7	NS	NS	NS	2.94	256		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_8C2	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_8C3	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW_8C4	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BSW002CR	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FSS003C	Plume Assessment Well	LAZ_UTRAU	10-Feb-2025	5.9	101	19.6	34	1.2	213.14	06-Jan-2025	213.2	6.6	200		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	212.95																					
										01-Jul-2025	213.55																					
										01-Oct-2025	213.34																					
			31-Jul-2025	5.8	80	19.8	4	1.3	212.66	06-Jan-2025	213.2	3.74	236		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	212.95																					
										01-Jul-2025	213.55																					
										01-Oct-2025	213.34																					
HSB142C	Plume Assessment Well	LAZ_UTRAU	11-Feb-2025	5.3	44	17.2	3	0.8	197.45	06-Jan-2025	197.67	7.2	213		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	197.21																					
										01-Jul-2025	196.89																					
										01-Oct-2025	196.61																					
			31-Jul-2025	5	37	18.2	7	0.3	197.47	06-Jan-2025	197.67	4.91	170		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	197.21																					
										01-Jul-2025	196.89																					
										01-Oct-2025	196.61																					
HSB143C	Plume Assessment Well	LAZ_UTRAU	19-Feb-2025	5.1	45	19.4	0	0.2	207.6	06-Jan-2025	207.56	4.8	287		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	207.4																					
										01-Jul-2025	207.99																					
										01-Oct-2025	208.2																					
			05-Aug-2025	4.7	44	20.1	0	0.6	207.25	06-Jan-2025	207.56	4.1	234		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	207.4																					
										01-Jul-2025	207.99																					
										01-Oct-2025	208.2																					
HSB151C	Plume Assessment Well	LAZ_UTRAU	20-Feb-2025	4.5	28	19.2	0	2.5	208.1	06-Jan-2025	207.97	5.7	288		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	207.79																					
										01-Jul-2025	207.55																					
										01-Oct-2025	207.28																					
			31-Jul-2025	4.9	28	21.1	0	1.2	206.84	06-Jan-2025	207.97	2.95	162		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	207.79																					
										01-Jul-2025	207.55																					
										01-Oct-2025	207.28																					
SWP 1C	Plume Assessment Well	LAZ_UTRAU	25-Feb-2025	4.8	54.2	20.6	0	0.9	220.39	06-Jan-2025	220.72	2.14	285		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	220.96																					
										01-Jul-2025	221.17																					
										01-Oct-2025	220.66																					
			05-Aug-2025	4.6	52	21	0	0.6	221.06	06-Jan-2025	220.72	4.2	233		No Comments	<EQL	<EQL	<EQL	<EQL	[10.2]	<EQL	[2.08]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[10.7]	998
										01-Apr-2025	220.96																					
										01-Jul-2025	221.17																					
										01-Oct-2025	220.66																					
SWP 2C	Plume Assessment Well	LAZ_UTRAU	25-Feb-2025	5	41.5	19.9	8	0.9	223.08	06-Jan-2025	223.13	2.91	304		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	223.44																					
										01-Jul-2025	223.68																					
										01-Oct-2025	224.24																					
			05-Aug-2025	4.7	41	20.8	0	0.6	223.59	06-Jan-2025	223.13	4.8	218		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
										01-Apr-2025	223.44																					
										01-Jul-2025	223.68																					
										01-Oct-2025	224.24																					
SWP005C	Plume Assessment Well	LAZ_UTRAU	25-Feb-2025	4.8	36	19.8	0	0.7	212.88	06-Jan-2025	213

Table B-7c. GAU 2025 SWP Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	PH	SPECIFIC CONDUCTANCE	WATER TEMPERATURE	TOTAL ALKALINITY (AS CACO3)	TURBIDITY	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	OXYGEN	OXIDATION/REDUCTION POTENTIAL	Constituent
			day-month-year	unitless	uS/cm	degC	mg/L	NTU	ft	day-month-year	ft	mg/L	mV	Unit
HSB 85A	Background Well	GAU	10-Feb-2025	6.7	184.3	20.4	18	0.4	167.46	06-Jan-2025	168.1	2.12	158	
										01-Apr-2025	168.27			
										01-Jul-2025	168.89			
										01-Oct-2025	168.75			
			14-Apr-2025	7.2	191	20.4	57	0.4	168.42	06-Jan-2025	168.1	NS	NS	
										01-Apr-2025	168.27			
										01-Jul-2025	168.89			
										01-Oct-2025	168.75			
			29-Jul-2025	7.2	186	20.9	25	4.2	168.5	06-Jan-2025	168.1	1.2	237	
										01-Apr-2025	168.27			
										01-Jul-2025	168.89			
										01-Oct-2025	168.75			
			08-Oct-2025	6.9	184	21	31	1	168.5	06-Jan-2025	168.1	NS	NS	
										01-Apr-2025	168.27			
										01-Jul-2025	168.89			
										01-Oct-2025	168.75			
BGO 29A	Plume Assessment Well	GAU	28-Jan-2025	6.6	120	19.9	42	0.4	158.95	02-Jan-2025	158.6	5.3	182	
										01-Apr-2025	159.2			
										01-Jul-2025	159.13			
										01-Oct-2025	158.7			
			29-Jul-2025	6.5	122	20.3	48	1.1	159	02-Jan-2025	158.6	5.6	126	
										01-Apr-2025	159.2			
										01-Jul-2025	159.13			
										01-Oct-2025	158.7			
BGO 45A	Plume Assessment Well	GAU	29-Jan-2025	7.6	189	19.9	85	1.3	159.9	02-Jan-2025	159.59	3.6	119	
										01-Apr-2025	159.91			
										01-Jul-2025	159.9			
										01-Oct-2025	159.52			
			29-Jul-2025	8.9	185	19.5	77	3.2	159.79	02-Jan-2025	159.59	6.3	146	
										01-Apr-2025	159.91			
										01-Jul-2025	159.9			
										01-Oct-2025	159.52			
BGO 47A	Plume Assessment Well	GAU	29-Jul-2025	10.7	453	20.8	250	0.7	161.5	02-Jan-2025	161.25	3.1	46	
										01-Apr-2025	161.6			
										01-Jul-2025	161.6			
										01-Oct-2025	161.73			
BGO 50A	Plume Assessment Well	GAU	29-Jan-2025	12.4	1048	18.9	356	1.6	161.47	02-Jan-2025	159.18	1.78	47	
										01-Apr-2025	159.89			
										01-Jul-2025	159.79			
										01-Oct-2025	158.08			
			30-Jul-2025	11.4	982	20	261	1	160.91	02-Jan-2025	159.18	2.54	12	
										01-Apr-2025	159.89			
										01-Jul-2025	159.79			
										01-Oct-2025	158.08			

Station	Sample date	FIELD CONDITIONS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	TIN	VANADIUM	ZINC
			Metals															
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
			6	10	2000	4	100	6	1300	15	2	100	50	94	2	2000	86	6000
HSB 85A	10-Feb-2025	No Comments	<EQL	<EQL	[25.9]	<EQL	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	14-Apr-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	No Comments	<EQL	<EQL	[28.7]	<EQL	<EQL	<EQL	[4.92]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[21.1]
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	08-Oct-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 29A	28-Jan-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 45A	29-Jan-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 47A	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 50A	29-Jan-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	30-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	

Station	Sample date	CARBON-14	COMBINED RADIUM (226 AND 228)	GROSS ALPHA	IODINE-129	NONVOLATILE BETA	RADIUM, TOTAL ALPHA-EMITTING	RADIUM-226	RADIUM-228	STRONTIUM-90	SUM OF ALPHAS (MWMF)	SUM OF BETA (MWMF)	SUM OF BETA DOSE (MWMF)	TECHNETIUM-99	TRITIUM	URANIUM-233/234	URANIUM-235	URANIUM-238
		Radionuclides																
		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mrem/yr	pCi/L	pCi/mL	pCi/L	pCi/L	pCi/L
		50	5	15	1	50	5	5	5	8	15	50	4	900	20	15	15	15
HSB 85A	10-Feb-2025	<EQL	[3.26]	<EQL	<EQL	<EQL	<EQL	1.93	[1.31]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025				<EQL			1.45	<EQL					<EQL				
	01-Jul-2025																	
	01-Oct-2025																	
	14-Apr-2025	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
	01-Apr-2025														<EQL			
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	<EQL	[0.923]	<EQL	<EQL	<EQL	<EQL	[0.923]	<EQL	<EQL	<EQL	-3.44	-0.007	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025	<EQL							<EQL						<EQL			
	01-Jul-2025																	
	01-Oct-2025																	
	08-Oct-2025	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
	01-Apr-2025														<EQL			
	01-Jul-2025																	
	01-Oct-2025																	
BGO 29A	28-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	242	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 45A	29-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	37.2	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	27.4	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 47A	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	103	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 50A	29-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	23.1	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	26.3	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	

Station	Sample date	ETHANE	ETHYLENE	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROETHYLENE	1,2-DICHLOROPROPANE	1,4-DIOXANE	BENZENE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CIS-1,2-DICHLOROETHYLENE
		Hydrocarbons		VOC														
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		810	5	200	2.7	7	70	5	70	5	6.1	5	810	5	100	2	80	70
HSB 85A	10-Feb-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	14-Apr-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	08-Oct-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 29A	28-Jan-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	16.3	<EQL	46.3	<EQL	<EQL	<EQL	<EQL	<EQL	[0.41]	16.3
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 45A	29-Jan-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.73	<EQL	4.43	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.73
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 47A	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.49	<EQL	1.56	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.49
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
BGO 50A	29-Jan-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	
	30-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.76	<EQL	4.06	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.76
	01-Apr-2025																	
	01-Jul-2025																	
	01-Oct-2025																	

Station	Sample date	DICHLOROETHYLENE	DICHLOROETHANE	DICHLOROMETHANE (METHYLENE CHLORIDE)	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES
		VOC									
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		200	5	5	5	1000	100	5	1100	410	10000
HSB 85A	10-Feb-2025	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
	14-Apr-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
	29-Jul-2025	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
	08-Oct-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
BGO 29A	28-Jan-2025	NS	NS	NS	<EQL	NS	NS	18.6	NS	NS	NS
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
	29-Jul-2025	NS	NS	NS	<EQL	<EQL	<EQL	13.4	<EQL	<EQL	<EQL
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
BGO 45A	29-Jan-2025	NS	NS	NS	<EQL	NS	NS	5.94	NS	NS	NS
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
	29-Jul-2025	NS	NS	NS	<EQL	<EQL	<EQL	4.93	<EQL	<EQL	<EQL
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
BGO 47A	29-Jul-2025	NS	NS	NS	<EQL	<EQL	<EQL	1.14	<EQL	<EQL	<EQL
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
BGO 50A	29-Jan-2025	NS	NS	NS	<EQL	NS	NS	3.55	NS	NS	NS
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										
	30-Jul-2025	<EQL	<EQL	[0.76]	<EQL	<EQL	<EQL	3.99	<EQL	<EQL	<EQL
	01-Apr-2025										
	01-Jul-2025										
	01-Oct-2025										

Explanation

[ ]	J
<EQL	<EQL
	Greater Than GWPS.
R	Result Rejected
	Less than GWPS
RNS	RNS

ABBREVIATIONS

UAZ UTRA	Upper Aquifer Zone of the Upper Three Runs Aquifer
LAZ UTRA	Lower Aquifer Zone of the Upper Three Runs Aquifer
ug/L	micrograms per liter
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
<EQL	less than estimated quantitation limit
NDD	not decision data
REJ	rejected
NS	not sampled
RNS	requested to be sampled but did not. see comments as to why not.
POC	point of compliance
GWPS	groundwater protection standard
D	well is dry-no sample of field data collected
I	Well went dry during sampling, Field data collected but insufficient water to collect all samples
L	Well went dry before sampling began, only depth to water can be determined
P	Sample collection could not be completed because of inaccessibility or mechanical failure
T	Samples were collected, but turbidity exceeded 15 NTUs
X	Well went dry during purging, samples collected after well recovered measurements obtained
2	Sampled After Recovery

Sum of Beta Dose (MWMF): (C-14/2000 + I-129/1 + Sr-90/8)*4
Sum of Beta (MWMF): (C-14 + I-129)
Sum of Alphas (MWMF): (U-233/234 +U-235 +U-238)
total 1,2-dichloroethylene (MWMF): (cis-1,2-dichloroethylene + trans-1,2-dichloroethylene)

Table B-8a. UAZ 2025 SEP Annual Compliance Monitoring

| | | | Field Data | | | | | | | | | | | Metals | | | | | | | | | | | | | | | | | | | Radionuclides | | | | | | | | | | | | | | | | | | |

Table B-8b. LAZ 2025 SEP Annual Compliance Monitoring

| | | | Field Data | | | | | | | | | | | | Metals | | | | | | | | | | | | | | | | | Radionuclides | | | | | | | | | | | | | | | | |

Table B-8c. GAU 2025 SEP Annual Compliance Monitoring

| | | | Field Data | | | | | | | | | | | Metals | | | | | | | | | | | | | | | | | Radionuclides | | | | | | | | | | | | | | | | |

Table B-9a. UAZ 2025 NEP Annual Compliance Monitoring

| | | | Field Data | | | | | | | | | | | | Metals | | | | | | | | | | | | | | | | | | | | Radionuclides | | | | | | | | | | | | | | | | | | |

Table B-9b. LAZ 2025 NEP Annual Compliance Monitoring

| | | | Field Data | | | | | | | | | | | | Metals | | | | | | | | | | | | | | | | | | | | Radionuclides | | | | | | | | | | | | | | | | | | |

Table B-9c. GAU 2025 NEP Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	WATER TEMPERATURE	SAMPLING EVENT WATER ELEVATION	PH	TURBIDITY	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	SPECIFIC CONDUCTANCE	OXIDATION/REDUCTION POTENTIAL	OXYGEN	Constituent	FIELD CONDITIONS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	TIN	VANADIUM	ZINC
			Field Data											Metals																
			day-month-year	degC	ft	millies	NTU	day-month-year	ft	uS/cm	mV	mg/L	Unit		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
													GWPS		6	10	2000	4	100	6	130	15	2	300	50	94	2	12000	86	6000
HSB 85A	Background Well	GAU	10-Feb-2025	20.4	167.46	6.7	0.4	06-Jan-2025	168.1	184.3	158	2.12		No Comments	<EQL	<EQL	[25.9]	<EQL	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
								01-Apr-2025	168.27																					
								01-Jul-2025	168.89																					
								01-Oct-2025	168.75																					
			14-Apr-2025	20.4	168.42	7.2	0.4	06-Jan-2025	168.1	191	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	168.27																					
								01-Jul-2025	168.89																					
								01-Oct-2025	168.75																					
			29-Jul-2025	20.9	168.5	7.2	4.2	06-Jan-2025	168.1	186	237	1.2		No Comments	<EQL	<EQL	[28.7]	<EQL	<EQL	<EQL	[4.92]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[21.1]
								01-Apr-2025	168.27																					
								01-Jul-2025	168.89																					
								01-Oct-2025	168.75																					
			08-Oct-2025	21	168.5	6.9	1	06-Jan-2025	168.1	184	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	168.27																					
								01-Jul-2025	168.89																					
								01-Oct-2025	168.75																					
BGO 9AA	Plume Assessment Well	GAU	29-Jul-2025	19.9	156.3	12.8	0.9	02-Jan-2025	157	5208	-48	2.12		X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	157.3																					
								01-Jul-2025	157.22																					
								01-Oct-2025	156.65																					
BGO 10AA	Plume Assessment Well	GAU	29-Jul-2025	20.3	156.88	7.8	0.8	02-Jan-2025	157.2	176.2	103	2.21		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	157.48																					
								01-Jul-2025	157.43																					
								01-Oct-2025	157.1																					
BGO 20A	Plume Assessment Well	GAU	28-Jan-2025	20	161.7	8.8	1.6	02-Jan-2025	161.75	195	182	3.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	162.62																					
								01-Jul-2025	162.24																					
								01-Oct-2025	161.8																					
			29-Jul-2025	21.4	162.2	8.1	2.7	02-Jan-2025	161.75	185	117	2.15		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	162.62																					
								01-Jul-2025	162.24																					
								01-Oct-2025	161.8																					
BGO 20AA	Plume Assessment Well	GAU	29-Jul-2025	21.5	160.82	8.6	1.1	02-Jan-2025	160.45	147	-69	1.86		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	161.08																					
								01-Jul-2025	160.72																					
								01-Oct-2025	160.55																					
BGO 44A	Plume Assessment Well	GAU	29-Jan-2025	19.8	158.2	6.4	0.2	02-Jan-2025	157.95	179	148	3.96		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	158.33																					
								01-Jul-2025	158.25																					
								15-Oct-2025	157.96																					
			29-Jul-2025	21.2	158.13	8.3	3.4	02-Jan-2025	157.95	175	41	6.05		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	158.33																					
								01-Jul-2025	158.25																					
								15-Oct-2025	157.96																					
BGO 44AA	Plume Assessment Well	GAU	29-Jul-2025	21	157.83	10.8	7.5	02-Jan-2025	166.59	184	17	6.77		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	158.46																					
								01-Jul-2025	159.9																					
								01-Oct-2025	157.17																					
BGO 51A	Plume Assessment Well	GAU	30-Jan-2025	20.8	170.14	11.9	7.3	02-Jan-2025	165.12	3358	-25	4.7		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	166.47																					
								01-Jul-2025	167.4																					
								01-Oct-2025	166.3																					
			30-Jul-2025	24.6	165.22	11.2	10.4	02-Jan-2025	165.12	905	47	2.96		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	166.47																					
								01-Jul-2025	167.4																					
								01-Oct-2025	166.3																					
BGO 51AA	Plume Assessment Well	GAU	30-Jan-2025	21.1	167.36	7	0.4	02-Jan-2025	167.29	129	-19	2.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	167.56																					
								01-Jul-2025	167.5																					
								01-Oct-2025	166.31																					
			30-Jul-2025	21.5	167.22	6.5	0.8	02-Jan-2025	167.29	125	126	1.74		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	167.56																					
								01-Jul-2025	167.5																					
								01-Oct-2025	166.31																					
BGO 52A	Plume Assessment Well	GAU	30-Jul-2025	20.8	162.83	6.6	1.2	02-Jan-2025	162.75	188	234	3.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	163.26																					
								01-Jul-2025	163.1																					
								01-Oct-2025	162.21																					
BGO 52AA	Plume Assessment Well	GAU	30-Jul-2025	21.1	162.23	6.8	0.2	02-Jan-2025	163.52	139	86	2.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	162.41																					
								01-Jul-2025	162.4																					
								01-Oct-2025	162.76																					
BGX 1A	Plume Assessment Well	GAU	30-Jan-2025	19.6	157.62	6.3	1	02-Jan-2025	158.41	215	123	4.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	158.72																					
								01-Jul-2025	157.81																					
								01-Oct-2025	158.21																					
			30-Jul-2025	20.8	158.42	7.4	1.2	02-Jan-2025	158.41	218	69	4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	158.72																					
								01-Jul-2025	157.81																					
								01-Oct-2025	158.21																					
BGX 4A	Plume Assessment Well	GAU	30-Jan-2025	18.6	156.4	11.2	1.2	02-Jan-2025	154.98	818	93	3.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	155.8																					
								01-Jul-2025	155.98																					
								01-Oct-2025	155.36																					
			30-Jul-2025	21	155.3	7.4	1	02-Jan-2025	154.98	138	140	4.3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
								01-Apr-2025	155.8																					
								01-Jul-2025	155.98																					
								01-Oct-2025	155.36																					
BGO 3A	Point of Compliance Well	GAU	27-Jan-2025	21.8	162.56	6.7	0.9	02-Jan-2025	162.4	131	251	5.1		No Comments	<EQL	<EQL	[27.4]	<EQL	[2.98]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
								01-Apr-2025	162.73																					
								01-Jul-2025	162.65																					
								02-Oct-2025	162.24																					
			22-Jul-2025	24.4	162.46	6.2	2.3	02-Jan-2025	162.4	123	268	4.27		No Comments	<EQL	<EQL	[27.7]	<EQL	<EQL	<EQL	[3.32]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[21.4]
								01-Apr-2025	162.73						[5.63]	<EQL	[26.7]	<EQL	<EQL	<EQL	[3.13]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[11.1]
								01-Jul-2025	162.65																					
								02-Oct-2025	162.24																					
BGO 6A	Point of Compliance Well	GAU	27-Jan-2025	19.8	159.12	6.4	0.5	02-Jan-2025	158.8	272	50	2.14		No Comments	<EQL	<EQL	[42.5]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
								01-Apr-2025	159.14																					
								01-Jul-2025	159.2																					
								02-Oct-2025	158.93																					
			22-Jul-2025	21.6	158.77	6.8	1.1	02-Jan-2025	158.8	265	120	1.74		No Comments	<EQL	<EQL	[40.4]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[5.25]
								01-Apr-2025	159.14																					
								01-Jul-2025	159.2																					
								02-Oct-2025	158.93																					
BGO 8AR	Point of Compliance Well	GAU	27-Jan-2025	19.7	157.9	7	1.3	02-Jan-2025	158.83	284	170	2.2		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
								01-Apr-2025	158.75																					
								01-Jul-2025	159.12																					
								01-Oct-2025	158.58																					
			23-Jul-2025	20.9	159.8	7.7	1.3	02-Jan-2025	158.83	267	168	1.8		No Comments	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[6.82]
								01-Apr-2025	158.75																					
								01-Jul-2025	159.12																					
								01-Oct-2025	158.58																					
BGO 10AR	Point of Compliance Well	GAU	27-Jan-2025	19.9	157.52	10.1	0.6	02-Jan-2025	157.8	160	177	3.75		No Comments	<EQL	<EQL	[44.6]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[3.07]
								01-Apr-2025	158.1																					
								01-Jul-2025	158.1																					
								01-Oct-2025	157.74																					
			23-Jul-2025	20.5	157.29	6.9	0.3	02-Jan-2025	157.8	200	127	4.4		No Comments	<EQL	<EQL	[34]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	30.1
								01-Apr-2025	158.1																					
								01-Jul-2025	158.1																					
								01-Oct-2025	157.74																					

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	CARBON-14	COMBINED RADIUM (226 AND 228)	GROSS ALPHA	IODINE-129	NONVOLATILE BETA	RADIUM, TOTAL ALPHA-EMITTING	RADIUM-226	RADIUM-228	STRONTIUM-90	SUM OF ALPHAS (MWMF)	SUM OF BETA (MWMF)	SUM OF BETA DOSE (MWMF)	TECHNETIUM-99	TRITIUM	URANIUM-233/234	URANIUM-235	URANIUM-238	ETHANE	ETHYLENE
			Field Data	Radionuclides																	Hydrocarbons	
			day-month-year	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mrem/yr	pCi/L	pCi/mL	pCi/L	pCi/L	pCi/L	ug/L	ug/L
				50	5	15	1	50	5	5	5	8	15	50	4	900	20	15	15	15		
HSB 85A	Background Well	GAU	10-Feb-2025	<EQL	[3.26]	<EQL	<EQL	<EQL	<EQL	1.93	[1.33]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
							<EQL			1.45	<EQL					<EQL						
			14-Apr-2025	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS
																	<EQL					
			29-Jul-2025	<EQL	[0.923]	<EQL	<EQL	<EQL	<EQL	[0.923]	<EQL	<EQL	<EQL	-3.44	-0.007	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL							<EQL						<EQL					
			08-Oct-2025	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS
																	<EQL					
BGO 9AA	Plume Assessment Well	GAU	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	[6.26]
BGO 10AA	Plume Assessment Well	GAU	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 20A	Plume Assessment Well	GAU	28-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL
			29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 20AA	Plume Assessment Well	GAU	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 44A	Plume Assessment Well	GAU	29-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL
			29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 44AA	Plume Assessment Well	GAU	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.65	NS	NS	NS	<EQL	<EQL
BGO 51A	Plume Assessment Well	GAU	30-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
																					<EQL	<EQL
			30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 51AA	Plume Assessment Well	GAU	30-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
			30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 52A	Plume Assessment Well	GAU	30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGO 52AA	Plume Assessment Well	GAU	30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	<EQL	<EQL
BGX 1A	Plume Assessment Well	GAU	30-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[-0.9]	NS	NS	NS	<EQL	<EQL
			30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[-0.9]	NS	NS	NS	<EQL	<EQL
BGX 4A	Plume Assessment Well	GAU	30-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.46	NS	NS	NS	<EQL	<EQL
			30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.83	NS	NS	NS	<EQL	<EQL
BGO 3A	Point of Compliance Well	GAU	27-Jan-2025	<EQL	[0.639]	<EQL	<EQL	<EQL	<EQL	[0.639]	NS	<EQL	<EQL	<EQL	<EQL	<EQL	[0.998]	<EQL	<EQL	<EQL	<EQL	<EQL
			22-Jul-2025	<EQL	[0.728]	<EQL	<EQL	<EQL	<EQL	[0.728]	NS	<EQL	-0.101	<EQL	-0.187	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
				<EQL								<EQL				<EQL		<EQL	<EQL	<EQL		
BGO 6A	Point of Compliance Well	GAU	27-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	[0.166]	<EQL	<EQL	<EQL	<EQL	<EQL	[0.166]	<EQL	<EQL	<EQL
			22-Jul-2025	<EQL	[0.914]	<EQL	<EQL	<EQL	<EQL	[0.914]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 8AR	Point of Compliance Well	GAU	27-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	[0.546]	<EQL	<EQL	<EQL	<EQL	<EQL
			23-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 10AR	Point of Compliance Well	GAU	27-Jan-2025	<EQL	[0.922]	<EQL	<EQL	<EQL	<EQL	[0.922]	NS	<EQL	[0.196]	<EQL	<EQL	<EQL	<EQL	<EQL	[0.196]	<EQL	<EQL	<EQL
			23-Jul-2025	<EQL	[0.72]	<EQL	<EQL	<EQL	<EQL	[0.72]	NS	<EQL	[0.16]	<EQL	<EQL	<EQL	<EQL	<EQL	[0.16]	<EQL	<EQL	<EQL

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROETHYLENE	1,2-DICHLOROPROPANE	1,4-DIOXANE	BENZENE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CIS-1,2-DICHLOROETHYLENE	DICHLORODIFLUOROMETHANE	DICHLOROMETHANE (METHYLENE CHLORIDE)	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES
			Field Data	VOC																							
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				200	2.7	7	70	5	70	5	6.1	5	810	5	100	2	80	70	200

Table B-10a. UAZ 2025 NWP Annual Compliance Monitoring

| Station | Well Use | Aquifer Zone | SAMPLE COLLECTION DATE | WATER TEMPERATURE | PH | TURBIDITY | SPECIFIC CONDUCTANCE | SAMPLING EVENT WATER ELEVATION | SYNCHRONOUS MEASUREMENT DATE | SYNCHRONOUS WATER ELEVATION | OXIDATION/REDUCTION POTENTIAL | OXYGEN | Constituent | FIELD CONDITIONS | ANTIMONY | ARSENIC | BARIUM | BERYLLIUM | CHROMIUM | COBALT | COPPER | LEAD | MERCURY | NICKEL | SELENIUM | SILVER | THALLIUM | TIN | VANADIUM | ZINC | CARBON-14 | COMBINED RADIUM (226 AND 228) | GROSS ALPHA | IODINE-129 | NONVOLATILE BETA | RADIUM, TOTAL ALPHA EMITTING | RADIUM-226 | RADIUM-228 | STRONTIUM-90 | SUM OF ALPHAS (MWMF) | SUM OF BETA (MWMF) | SUM OF BETA DOSE (MWMF) | TECHNETIUM-99 | TRITIUM | URANIUM-233/234 | URANIUM-235 | URANIUM-238 | ETHANE | ETHYLENE | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,1-DICHLOROETHYLENE | 1,2,4-TRICHLOROBENZENE | 1,2-DICHLOROETHANE (EDC) | 1,2-DICHLOROETHYLENE | 1,2-DICHLOROPROPANE | 1,4-DIOXANE | BENZENE | CARBON DISULFIDE | CARBON TETRACHLORIDE | CHLOROBENZENE | CHLOROETHENE (VINYL CHLORIDE) | CHLOROFORM | CIS-1,2-DICHLOROETHYLENE | DICHLORODIFLUOROMETHANE | DICHLOROMETHANE (METHYLENE CHLORIDE) | TETRACHLOROETHYLENE (PCE) | TOLUENE | TRANS-1,2-DICHLOROETHYLENE | TRICHLOROETHYLENE (TCE) | TRICHLOROFLUOROMETHANE | VINYL ACETATE | XYLENES |
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Table B-10b. LAZ 2025 NWP Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	WATER TEMPERATURE	PH	TURBIDITY	SPECIFIC CONDUCTANCE	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	OXIDATION/REDUCTION POTENTIAL	OXYGEN	Constituent
			Field Data										
			day-month-year	degC	unitless	NTU	uScm	ft	day-month-year	ft	mV	mg/L	GWPS Unit
HSB 85B	Background Well	LAZ_UTRAU	10-Feb-2025	21.2	11	0.7	164.1	230.79	06-Jan-2025	230.6	76	1.54	
									01-Apr-2025	230.27			
									01-Jul-2025	226.14			
									01-Oct-2025	225.79			
			14-Apr-2025	20.8	10.4	0.5	146	230.81	06-Jan-2025	230.6	NS	NS	
									01-Apr-2025	230.27			
									01-Jul-2025	226.14			
									01-Oct-2025	225.79			
			29-Jul-2025	21.5	10.6	1	151	226.7	06-Jan-2025	230.6	222	1.4	
									01-Apr-2025	230.27			
									01-Jul-2025	226.14			
									01-Oct-2025	225.79			
			08-Oct-2025	21	10.6	0.7	168	230.7	06-Jan-2025	230.6	NS	NS	
									01-Apr-2025	230.27			
									01-Jul-2025	226.14			
									01-Oct-2025	225.79			
BGO 10B	Plume Assessment Well	LAZ_UTRAU	05-Mar-2025	20.9	7.5	8.3	235	215.71	02-Jan-2025	215.4	166	4.4	
									01-Apr-2025	215.85			
									01-Jul-2025	215.8			
									01-Oct-2025	215.95			
			29-Jul-2025	20.4	8.9	0.8	195.4	215.53	02-Jan-2025	215.4	85	1.96	
									01-Apr-2025	215.85			
									01-Jul-2025	215.8			
									01-Oct-2025	215.95			
BGO 16B	Plume Assessment Well	LAZ_UTRAU	27-Jan-2025	20.7	7.4	0.6	212	215.85	02-Jan-2025	214.6	130	5.1	
									01-Apr-2025	216.14			
									01-Jul-2025	216.46			
									01-Oct-2025	216.1			
			29-Jul-2025	21.9	8.1	0.6	185.7	215.67	02-Jan-2025	214.6	75	2.09	
									01-Apr-2025	216.14			
									01-Jul-2025	216.46			
									01-Oct-2025	216.1			
BGO 42C	Plume Assessment Well	LAZ_UTRAU	29-Jan-2025	20.7	6.4	0.3	29.6	220.12	02-Jan-2025	219.75	250	2.91	
									01-Apr-2025	220.28			
									01-Jul-2025	220.5			
									01-Oct-2025	222.48			
			29-Jul-2025	20.2	5.2	0.8	32	220	02-Jan-2025	219.75	19	5.5	
									01-Apr-2025	220.28			
									01-Jul-2025	220.5			
									01-Oct-2025	222.48			
BGO 43CR	Plume Assessment Well	LAZ_UTRAU	29-Jul-2025	20.1	4.8	0.3	102	217.25	01-Apr-2025	217.06	291	4.8	
									01-Jul-2025	217			
									01-Oct-2025	222.2			
BGO 53B	Plume Assessment Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	02-Jan-2025	216.85	NS	NS	
									01-Apr-2025	218.98			
									01-Jul-2025	219.16			
									01-Oct-2025	219.07			
BGO 53C	Plume Assessment Well	LAZ_UTRAU	30-Jan-2025	19.6	6	0.5	157	219.32	02-Jan-2025	219.06	215	4.99	
									01-Apr-2025	220.4			
									01-Jul-2025	220.71			
									01-Oct-2025	220.7			
			30-Jul-2025	22	6.2	0.7	163	220.9	02-Jan-2025	219.06	146	4.61	
									01-Apr-2025	220.4			
									01-Jul-2025	220.71			
									01-Oct-2025	220.7			
FAB_2MC	Plume Assessment Well	LAZ_UTRAU	30-Jul-2025	21.9	6.6	1.5	71	216.41	06-Jan-2025	216.61	108	4.3	
									01-Apr-2025	216.02			
									01-Jul-2025	216.39			
									15-Oct-2025	216.19			
FCB002CRR	Plume Assessment Well	LAZ_UTRAU	10-Feb-2025	21.2	7.6	1	163	217.76	06-Jan-2025	218.06	203	5.8	
									01-Apr-2025	218.04			
									01-Jul-2025	218.17			
									01-Oct-2025	218.08			
			30-Jul-2025	21	8.1	1	165	221.71	06-Jan-2025	218.06	94	3.3	
									01-Apr-2025	218.04			
									01-Jul-2025	218.17			
									01-Oct-2025	218.08			
NWP_1B	Plume Assessment Well	LAZ_UTRAU	31-Jul-2025	19.7	7.1	0.7	199	213.96	06-Jan-2025	212.55	72	1.7	
									01-Apr-2025	212.26			
									01-Oct-2025	212.46			
NWP_1D	Plume Assessment Well	LAZ_UTRAU	19-Feb-2025	19.8	5	0.4	35	212.12	06-Jan-2025	212.61	254	6.8	
									01-Apr-2025	212.16			
									01-Oct-2025	211.36			
			31-Jul-2025	19.7	5	1.8	34	215.06	06-Jan-2025	212.61	157	1.6	
									01-Apr-2025	212.16			
									01-Oct-2025	211.36			
NWP_2D	Plume Assessment Well	LAZ_UTRAU	31-Jul-2025	20.6	6	1	103	202.8	06-Jan-2025	202.08	167	2.4	
									01-Apr-2025	201.9			
									01-Jul-2025	201.68			
									01-Oct-2025	201.9			
NWP_3C	Plume Assessment Well	LAZ_UTRAU	19-Feb-2025	21	7.1	0.3	136	218.01	06-Jan-2025	218.24	195	5.3	
									01-Apr-2025	218.09			
									01-Jul-2025	218.13			
									01-Oct-2025	218.29			
			31-Jul-2025	20.9	7.4	1.4	136	219.69	06-Jan-2025	218.24	16	1.25	
									01-Apr-2025	218.09			
									01-Jul-2025	218.13			
									01-Oct-2025	218.29			
NWP202C	Plume Assessment Well	LAZ_UTRAU	19-Feb-2025	22.2	6.8	0.8	97	215.81	06-Jan-2025	216.22	179	5.4	
									01-Apr-2025	215.86			
									01-Jul-2025	215.73			
									01-Oct-2025	216.16			
			04-Aug-2025	22.2	6.4	1	97	215.56	06-Jan-2025	216.22	183	7.5	
									01-Apr-2025	215.86			
									01-Jul-2025	215.73			
									01-Oct-2025	216.16			
BGO 10C	Point of Compliance Well	LAZ_UTRAU	27-Jan-2025	18.7	9.2	2.2	194	217.08	02-Jan-2025	216.49	174	3.51	
									01-Apr-2025	216.85			
									01-Jul-2025	216.88			
									01-Oct-2025	217.02			
			23-Jul-2025	20.9	10.1	0.5	104	216.91	02-Jan-2025	216.49	162	7.2	
									01-Apr-2025	216.85			
									01-Jul-2025	216.88			
									01-Oct-2025	217.02			
BGO 12CX	Point of Compliance Well	LAZ_UTRAU	27-Jan-2025	21.9	8.8	0.8	206	217.15	02-Jan-2025	217	95	3.5	
									01-Apr-2025	217.3			
									01-Jul-2025	217.4			
									01-Oct-2025	217.47			
			24-Jul-2025	20	10.5	0.9	260	217.22	02-Jan-2025	217	12	1.78	
									01-Apr-2025	217.3			
									01-Jul-2025	217.4			
									01-Oct-2025	217.47			
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	28-Jan-2025	20.8	5.6	0.7	31	220.43	02-Jan-2025	220.19	237	3.32	
									01-Apr-2025	220.49			
									01-Jul-2025	220.73			
									01-Oct-2025	220.24			
			24-Jul-2025	22.1	5.6	0.3	33.1	220.73	02-Jan-2025	220.19	217	3.12	
									01-Apr-2025	220.49			
									01-Jul-2025	220.73			
									01-Oct-2025	220.24			

Station	Sample Date	FIELD CONDITIONS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	TIN	VANADIUM	ZINC
		Metals																
	day-month-year		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
HSB 85B	10-Feb-2025	No Comments	<EQL	<EQL	[21.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	14-Apr-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	No Comments	<EQL	<EQL	[20.8]	<EQL	[3.74]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[12.2]	[6.36]
	08-Oct-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	[0.0254]	NS	NS	NS	NS	NS	NS	NS
BGO 10B	05-Mar-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 16B	27-Jan-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 42C	29-Jan-2025	No Comments	<EQL	<EQL	<EQL	[0.346]	[2.28]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 43CR	29-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 53B	NS	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 53C	30-Jan-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-Jul-2025	No Comments	<EQL	<EQL	[13.6]	<EQL	[9.06]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[6.1]
FAB_2MC	30-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FCB002CRR	10-Feb-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-Jul-2025	No Comments	<EQL	<EQL	[13.8]	<EQL	[5.52]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
NWP_1B	31-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NWP_1D	19-Feb-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NWP_2D	31-Jul-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NWP_3C	19-Feb-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31-Jul-2025	No Comments	<EQL	<EQL	[16.9]	<EQL	[5.34]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[5.3]
NWP202C	19-Feb-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04-Aug-2025	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 10C	27-Jan-2025	X	<EQL	<EQL	[13.4]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	23-Jul-2025	X	<EQL	<EQL	[26.7]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[5.98]
BGO 12CX	27-Jan-2025	No Comments	<EQL	<EQL	[82.2]	<EQL	<EQL	<EQL	[7.01]	[2.09]	<EQL	[5.06]	<EQL	<EQL	<EQL	<EQL	<EQL	[11.6]
	24-Jul-2025	No Comments	<EQL	<EQL	[80.4]	<EQL	<EQL	<EQL	[6.11]	[0.572]	<EQL	[3.62]	<EQL	<EQL	<EQL	<EQL	<EQL	[7.86]
BGO 14CR	28-Jan-2025	No Comments	<EQL	<EQL	<EQL	[0.258]	<EQL	[15.4]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[4.07]
	24-Jul-2025	No Comments	<EQL	<EQL	<EQL	[0.241]	<EQL	[14.4]	<EQL	<EQL	<EQL	[2.18]	<EQL	<EQL	<EQL	<EQL	<EQL	[12.2]

Station	Sample Date	CARBON-14	COMBINED RADIUM (226 AND 228)	GROSS ALPHA	IODINE-129	NONVOLATILE BETA	RADIUM, TOTAL ALPHA-EMITTING	RADIUM-226	RADIUM-228	STRONTIUM-90	SUM OF ALPHAS (MWMF)	SUM OF BETA (MWMF)	SUM OF BETA DOSE (MWMF)	TECHNETIUM-99	TRITIUM	URANIUM-233/234	URANIUM-235	URANIUM-238
		Radionuclides																
	day-month-year	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mremy/y	pCi/L	pCi/mL	pCi/L	pCi/L	pCi/L
HSB 85B	10-Feb-2025	<EQL	1.49	<EQL	<EQL	<EQL	<EQL	1.49	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.83	<EQL	<EQL	<EQL
	14-Apr-2025	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	2.72	NS	NS	NS
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	3.27	<EQL	<EQL	<EQL
	08-Oct-2025	NS	NS	<EQL	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	2.77	NS	NS	NS
BGO 10B	05-Mar-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 16B	27-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.46	NS	NS	NS
BGO 42C	29-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	2.51	<EQL	<EQL	<EQL
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.35	NS	NS	NS
BGO 43CR	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.22	NS	NS	NS
BGO 53B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 53C	30-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-Jul-2025	<EQL	[0.454]	<EQL	<EQL	<EQL	<EQL	[0.454]	NS	<EQL	<EQL	<EQL	<EQL	<EQL	[0.6]	<EQL	<EQL	<EQL
FAB_2MC	30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS
FCB002CRR	10-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-Jul-2025	<EQL	<EQL	-0.074	<EQL	-0.001	<EQL	<EQL	NS	<EQL	-0.074	<EQL	-0.001	<EQL	[2.1]	<EQL	<EQL	<EQL
NWP_1B	31-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
NWP_1D	19-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[1.6]	NS	NS	NS
NWP_2D	31-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.751]	NS	NS	NS
NWP_3C	19-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	10.2	<EQL	<EQL	<EQL
NWP202C	19-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
	04-Aug-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 10C	27-Jan-2025	<EQL	3.03	<EQL	<EQL	<EQL	<EQL	3.03	NS	<EQL	<EQL	<EQL	<EQL	<EQL	8.17	<EQL	<EQL	<EQL
	23-Jul-2025	26.9	26.9	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	26.9	0.054	<EQL	[3.6]	<EQL	<EQL	<EQL
BGO 12CX	27-Jan-2025	<EQL	[0.738]	<EQL	<EQL	<EQL	<EQL	[0.738]	NS	<EQL	<EQL	<EQL	<EQL	<EQL	2.5	<EQL	<EQL	<EQL
	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	4.59	<EQL	<EQL	<EQL
BGO 14CR	28-Jan-2025	<EQL	2.91	<EQL	<EQL	<EQL	<EQL	2.91	NS	<EQL	<EQL	<EQL	<EQL	<EQL	[2.9]	<EQL	<EQL	<EQL
	24-Jul-2025	[15.5]	[1.47]	<EQL	<EQL	<EQL	<EQL	[1.47]	NS	<EQL	<EQL	[15.5]	[0.031]	<EQL	[2.1]	<EQL	<EQL	<EQL

Station	Sample Date	ETHANE	ETHYLENE	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROETHYLENE	1,2-DICHLOROPROPANE	1,4-DIOXANE	BENZENE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CIS-1,2-DICHLOROETHYLENE	DICHLORODIFLUOROMETHANE	DICHLOROMETHANE (METHYLENE CHLORIDE)	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES
		Hydrocarbons		VOC																								
	day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
HSB 85B	10-Feb-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	14-Apr-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.77]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	08-Oct-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 10B	05-Mar-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	<EQL	NS	NS	NS	NS	NS
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.75]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 16B	27-Jan-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	<EQL	NS	NS	NS	NS	NS
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 42C	29-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.97]	<EQL	<EQL	<EQL	1.68	<EQL	<EQL	<EQL	<EQL
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.04	<EQL	<EQL	<EQL	<EQL
BGO 43CR	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.79]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 53B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 53C	30-Jan-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.01	NS	NS	[4.3]	NS	NS	NS	NS
	30-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.1	<EQL	<EQL	<EQL	<EQL	<EQL	[5.4]	[0.37]	<EQL	<EQL	<EQL
FAB_2MC	30-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.53]	<EQL	<EQL	<EQL	2.13	<EQL	<EQL	<EQL	<EQL
FCB002CRR	10-Feb-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.54]	NS	NS	[0.3]	NS	NS	NS	NS
	30-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.12	<EQL	<EQL	<EQL	<EQL	<EQL	[2.1]	<EQL	<EQL	<EQL	<EQL
NWP_1B	31-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.35	<EQL	<EQL	<EQL	<EQL
NWP_1D	19-Feb-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.24	NS	NS	[7.9]	NS	NS	NS	NS
	31-Jul-2025	<EQL	<EQL	<EQL	[0.44]	<EQL	<EQL	<EQL	2.83	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.83	[0.43]	<EQL	1.81	<EQL	<EQL	[1.1]	[0.84]	<EQL	<EQL	<EQL
NWP_2D	31-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.5]	<EQL	<EQL	<EQL	<EQL
NWP_3C	19-Feb-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.34]	NS	NS	[0.3]	NS	NS	NS	NS
	31-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.39	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.39	<EQL	<EQL	<EQL	<EQL	<EQL	[37.9]	<EQL	<EQL	<EQL	<EQL
NWP202C	19-Feb-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	2.35	NS	NS	NS	NS
	04-Aug-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.85	<EQL	<EQL	<EQL	<EQL
BGO 10C	27-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	23-Jul-2025	<EQL	<EQL	<EQL	[-0.]	2.48	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.65	<EQL	[0.76]	<EQL	<EQL	<EQL	[0.56]	<EQL	<EQL	<EQL
BGO 12CX	27-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.068]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.12	<EQL	<EQL	<EQL	<EQL
	24-Jul-2025	<EQL

Table B-10c. GAU 2025 NWP Annual Compliance Monitoring

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	WATER TEMPERATURE	PH	TURBIDITY	SPECIFIC CONDUCTANCE	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	OXIDATION/REDUCTION POTENTIAL	OXYGEN	Constituent	FIELD CONDITIONS	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	TIN	VANADIUM	ZINC
			Field Data												Metals															
			day-month-year	degC	unitless	NTU	uS/cm	ft	day-month-year	ft	mV	mg/L	Unit		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
													GAWP		6	10	2000	4	100	6	5100	15	2	200	50	94	2	1000	86	6000
HSB 85A	Background Well	GAU	10-Feb-2025	20.4	6.7	0.4	184.3	167.46	06-Jan-2025	168.1	158	2.12		No Comments	<EQL	<EQL	[25.9]	<EQL	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
									01-Apr-2025	168.27																				
									01-Jul-2025	168.89																				
									01-Oct-2025	168.75																				
			14-Apr-2025	20.4	7.2	0.4	191	168.42	06-Jan-2025	168.1	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	168.27																				
									01-Jul-2025	168.89																				
									01-Oct-2025	168.75																				
			29-Jul-2025	20.9	7.2	4.2	186	168.5	06-Jan-2025	168.1	237	1.2		No Comments	<EQL	<EQL	[28.7]	<EQL	<EQL	<EQL	[4.92]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[21.1]
									01-Apr-2025	168.27																				
									01-Jul-2025	168.89																				
									01-Oct-2025	168.75																				
			08-Oct-2025	21	6.9	1	184	168.5	06-Jan-2025	168.1	NS	NS		No Comments	NS	NS	NS	NS	NS	NS	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	168.27																				
									01-Jul-2025	168.89																				
									01-Oct-2025	168.75																				
BGO 10AA	Plume Assessment Well	GAU	29-Jul-2025	20.3	7.8	0.8	176.2	156.88	02-Jan-2025	157.2	103	2.21		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	157.48																				
									01-Jul-2025	157.45																				
									01-Oct-2025	157.1																				
BGO 16AR	Plume Assessment Well	GAU	29-Jul-2025	20.1	7.5	1.1	160.9	159.19	02-Jan-2025	160.3	76	1.89		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	160.5																				
									01-Jul-2025	160.32																				
									01-Oct-2025	160.13																				
BGO 18A	Plume Assessment Well	GAU	29-Jul-2025	21.1	6.3	0.4	184	161.11	02-Jan-2025	160.7	248	2.4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	160.93																				
									01-Jul-2025	150.67																				
									01-Oct-2025	157.56																				
BGO 25A	Plume Assessment Well	GAU	29-Jul-2025	20.6	7.5	0.8	224	160.22	02-Jan-2025	159.76	200	3.76		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	159.92																				
									01-Jul-2025	159.98																				
									01-Oct-2025	159.6																				
BGO 41A	Plume Assessment Well	GAU	29-Jan-2025	19.8	12.7	0.6	2460	189.43	02-Jan-2025	192.87	1	0.62		X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	195.82																				
									01-Jul-2025	181.29																				
									01-Oct-2025	179																				
			29-Jul-2025	20.9	11.4	1	2785	179.1	02-Jan-2025	192.87	-8	5		X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	195.82																				
									01-Jul-2025	181.29																				
									01-Oct-2025	179																				
BGO 43A	Plume Assessment Well	GAU	29-Jan-2025	20.9	10.4	1.2	259	155.97	02-Jan-2025	156.14	70	4.8		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	156.3																				
									01-Jul-2025	156.27																				
									01-Oct-2025	162.23																				
			29-Jul-2025	20.6	10.6	1.8	701	156.07	02-Jan-2025	156.14	131	5.1		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	156.3																				
									01-Jul-2025	156.27																				
									01-Oct-2025	162.23																				
BGO 43AA	Plume Assessment Well	GAU	29-Jul-2025	20.9	8.6	3.5	190	154.7	01-Apr-2025	156.76	45	3		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Jul-2025	155.59																				
									01-Oct-2025	161.63																				
BGO 53A	Plume Assessment Well	GAU	30-Jul-2025	23.4	6.1	0.9	143	158.49	02-Jan-2025	157.63	67	5.64		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	158.5																				
									01-Jul-2025	158.54																				
									01-Oct-2025	158.2																				
BGO 53AA	Plume Assessment Well	GAU	30-Jul-2025	22.7	5.8	0.9	135	157.94	02-Jan-2025	160.13	87	5.35		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	158.03																				
									01-Jul-2025	157.94																				
									01-Oct-2025	157.57																				
NWP302A	Plume Assessment Well	GAU	19-Feb-2025	20.4	7.3	3	161	155.14	06-Jan-2025	155.06	203	3.2		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	156.12																				
									01-Jul-2025	155.11																				
									01-Oct-2025	154.82																				
			04-Aug-2025	21.5	7.1	2.3	158	154.52	06-Jan-2025	155.06	167	6.5		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	156.12																				
									01-Jul-2025	155.11																				
									01-Oct-2025	154.82																				
NWP303A	Plume Assessment Well	GAU	04-Aug-2025	21.5	7.4	0.8	208	152.44	06-Jan-2025	152.87	168	2.6		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
									01-Apr-2025	153.04																				
									01-Jul-2025	152.93																				
									01-Oct-2025	206.54																				
BGO 10AR	Point of Compliance Well	GAU	27-Jan-2025	19.9	10.1	0.6	160	157.52	02-Jan-2025	157.8	177	3.75		No Comments	<EQL	<EQL	[44.6]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[3.07]
									01-Apr-2025	158.1																				
									01-Jul-2025	158.1																				
									01-Oct-2025	157.74																				
			23-Jul-2025	20.5	6.9	0.3	200	157.29	02-Jan-2025	157.8	127	4.4		No Comments	<EQL	<EQL	[34]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	30.1
									01-Apr-2025	158.1																				
									01-Jul-2025	158.1																				
									01-Oct-2025	157.74																				
BGO 12AX	Point of Compliance Well	GAU	27-Jan-2025	20.6	6.8	0.2	188	157	02-Jan-2025	156.87	124	4.1		No Comments	<EQL	<EQL	[22]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
									01-Apr-2025	157.16					<EQL	<EQL	[21.7]	<EQL	<EQL	<EQL	<EQL	<EQL		<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
									01-Jul-2025	157.04																				
									01-Oct-2025	156.8																				
			24-Jul-2025	20.1	6.7	0.6	181	156.85	02-Jan-2025	156.87	69	2.98		No Comments	<EQL	<EQL	[22.1]	<EQL	<EQL	<EQL	<EQL	[0.647]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[10.7]
			20.1	6.7	0.6	181			01-Apr-2025	157.16	69	2.98																		
									01-Jul-2025	157.04																				
									01-Oct-2025	156.8																				
BGO 14AR	Point of Compliance Well	GAU	28-Jan-2025	18.3	9.8	2.1	1013	157.41	02-Jan-2025	157.7	39	3.01		No Comments	<EQL	<EQL	106	[0.381]	<EQL	[11.2]	<EQL	<EQL	<EQL	[3.58]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
									01-Apr-2025	158.04																				
									01-Jul-2025	158.04																				
									01-Oct-2025	157.67																				
			24-Jul-2025	21.1	9.7	0.6	202.6	156.34	02-Jan-2025	157.7	-3	1.29		No Comments	<EQL	<EQL	[92.7]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[9.94]
									01-Apr-2025	158.04																				
									01-Jul-2025	158.04																				
									01-Oct-2025	157.67																				
BGO 26A	Point of Compliance Well	GAU	28-Jan-2025	20.2	7.5	0.5	161	157.37	02-Jan-2025	157.02	218	3.52		No Comments	<EQL	<EQL	[29.2]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.08]	<EQL	<EQL	<EQL	<EQL	<EQL
									01-Apr-2025	157.53																				
									01-Jul-2025	157.48																				
									01-Oct-2025	154.1																				
			24-Jul-2025	20.9	9.1	1	165	159.4	02-Jan-2025	157.02	139	4.3		No Comments	<EQL	<EQL	[33.1]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
									01-Apr-2025	157.53																				
									01-Jul-2025	157.48																				
									01-Oct-2025	154.1																				

Station	Sample Date	CARBON-14	COMBINED RADIUM (226 AND 228)	GROSS ALPHA	IODINE-129	NONVOLATILE BETA	RADIUM, TOTAL ALPHA-EMITTING	RADIUM-226	RADIUM-228	STRONTIUM-90	SUM OF ALPHAS (MWMF)	SUM OF BETA (MWMF)	SUM OF BETA DOSE (MWMF)	TECHNETIUM-99	TRITIUM	URANIUM-233/234	URANIUM-235	URANIUM-238
		Radionuclides																
		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	mremy/yr	pCi/L	pCi/mL	pCi/L	pCi/L	pCi/L
HSB 85A	10-Feb-2025	<EQL	[3.26]	<EQL	<EQL	<EQL	<EQL	1.53	[1.33]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	01-Apr-2025					<EQL		1.45	<EQL					<EQL				
	14-Apr-2025	<EQL	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
	29-Jul-2025	<EQL	[0.923]	<EQL	<EQL	<EQL	<EQL	[0.923]	<EQL	<EQL	<EQL	-3.44	-0.007	<EQL	<EQL	<EQL	<EQL	<EQL
		<EQL							<EQL						<EQL			
	08-Oct-2025	<EQL	NS	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 10AA	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 16AR	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.28	NS	NS	NS
BGO 18A	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 25A	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[1.01]	NS	NS	NS
BGO 41A	29-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	57.4	NS	NS	NS
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	43.9	NS	NS	NS
BGO 43A	29-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 43AA	29-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 53A	30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 53AA	30-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
NWP302A	19-Feb-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
	04-Aug-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
NWP303A	04-Aug-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS
BGO 10AR	27-Jan-2025	<EQL	[0.922]	<EQL	[0.196]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.196]	<EQL	<EQL	<EQL	<EQL	<EQL
	23-Jul-2025	<EQL	[0.72]	<EQL	<EQL	<EQL	<EQL	[0.72]	<EQL	<EQL	[0.16]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.16]
BGO 12AX	27-Jan-2025	<EQL	[0.837]	<EQL	<EQL	<EQL	<EQL	[0.837]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
															<EQL			
	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 14AR	28-Jan-2025	<EQL	[0.492]	<EQL	<EQL	<EQL	<EQL	[0.492]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	7.71	<EQL	<EQL	<EQL
	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	7.94	<EQL	<EQL	<EQL
BGO 26A	28-Jan-2025	<EQL	[0.733]	<EQL	[3.66]	<EQL	[0.733]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	7.15	<EQL	<EQL	<EQL
	24-Jul-2025	<EQL	[1.356]	<EQL	[3.82]	<EQL	[0.503]	[0.853]	<EQL	<EQL	<EQL	<EQL	[5.34]	7.61	<EQL	<EQL	<EQL	<EQL

Station	Sample Date	ETHANE	ETHYLENE	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROETHYLENE	1,2-DICHLOROPROPANE	1,4-DIOXANE	BENZENE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CIS-1,2-DICHLOROETHYLENE	DICHLORODIFLUOROMETHANE	DICHLOROMETHANE (METHYLENE CHLORIDE)	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES
		Hydrocarbons		VOC																							
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				200	2.7	7	70	5	70	5	0.1	5	810	5	100	2	80	70	200	5	5	1000	100	5	1100	510	10000
HSB 85A	10-Feb-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	14-Apr-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[2.09]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	08-Oct-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 10AA	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
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		<EQL	<EQL																								
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	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.82	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.82	<EQL	<EQL	<EQL	<EQL	<EQL	43.9	<EQL	<EQL	<EQL
BGO 43A	29-Jan-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	<EQL	NS	NS	NS
	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.84]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
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BGO 53AA	30-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[1.8]	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
		<EQL	<EQL																								
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NWP302A	19-Feb-2025	<EQL	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	<EQL	NS	NS	NS
	04-Aug-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
NWP303A	04-Aug-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.91	<EQL	<EQL	<EQL
BGO 10AR	27-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
	23-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 12AX	27-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
		<EQL	<EQL																								
	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 14AR	28-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.043]	<EQL	<EQL	<EQL	[0.72]	<EQL	<EQL	<EQL
	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 26A	28-Jan-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.35]	<EQL	<EQL	<EQL
	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	[0.49]	<EQL	<EQL	<EQL

Explanation

[ ]	J
<EQL	<EQL
	Greater Than GWPS.
R	Result Rejected
	Less than GWPS
RNS	RNS

ABBREVIATIONS

UAZ UTRA	Upper Aquifer Zone of the Upper Three Runs Aquifer
LAZ UTRA	Lower Aquifer Zone of the Upper Three Runs Aquifer
ug/L	micrograms per liter
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
<EQL	less than estimated quantitation limit
NDD	not decision data
REJ	rejected
NS	not sampled
RNS	requested to be sampled but did not. see comments as to why not.
POC	point of compliance
GWPS	groundwater protection standard
D	well is dry-so sample of field data collected
I	Well went dry during sampling, Field data collected but insufficient water to collect all samples
L	Well went dry before sampling began, only depth to water can be determined
P	Sample collection could not be completed because of inaccessibility or mechanical failure
T	Samples were collected, but turbidity exceeded 15 NTUs
X	Well went dry during purging, samples collected after well recovered measurements obtained

Table B-11. 2025 SWP Surface Water and Seepline Sampling

| Station | Well Use | Aquifer Zone | SAMPLE COLLECTION DATE (Field Data) | pH | SPECIFIC CONDUCTANCE | WATER TEMPERATURE | TOTAL ALKALINITY (AS CACO3) | TURBIDITY | SAMPLING EVENT WATER ELEVATION | SYNCHRONOUS MEASUREMENT DATE | SYNCHRONOUS WATER ELEVATION | Constituent | FIELD CONDITIONS (Metals) | ANTIMONY | ARSENIC | BARIUM | BERYLLIUM | CHROMIUM | COBALT | COPPER | LEAD | MERCURY | NICKEL | SELENIUM | SILVER | THALLIUM | TIN | VANADIUM | ZINC | CARBON-14 (Radionuclides) | COMBINED RADIUM (226 AND 228) | CONVERTED URANIUM MASS | GROSS ALPHA | IODINE-129 | NONVOLATILE BETA | RADIUM, TOTAL ALPHA-EMITTING | RADIUM-226 | RADIUM-228 | STRONTIUM-90 | SUM OF ALPHAS (MWMF) | SUM OF BETA (MWMF) | SUM OF BETA DOSE (MWMF) | TECHNETIUM-99 | TRITIUM | URANIUM | URANIUM-233/234 | URANIUM-235 | URANIUM-238 | 1,1,1-TRICHLOROETHANE (VOC) | 1,1-DICHLOROETHANE | 1,1-DICHLOROETHYLENE | 1,2,4-TRICHLOROBENZENE | 1,2-DICHLOROETHANE (EDC) | 1,2-DICHLOROETHYLENE | 1,2-DICHLOROPROPANE | 1,4-DIOXANE | BENZENE | CARBON DISULFIDE | CARBON TETRACHLORIDE | CHLOROBENZENE | CHLOROETHENE (VINYL CHLORIDE) | CHLOROFORM | CIS-1,2-DICHLOROETHYLENE | DICHLORODIFLUOROMETHANE | DICHLOROMETHANE (METHYLENE CHLORIDE) | TETRACHLOROETHYLENE (PCE) | TOLUENE | TRANS-1,2-DICHLOROETHYLENE | TRICHLOROETHYLENE (TCE) | TRICHLOROFLUOROMETHANE | VINYL ACETATE | XYLENES |
|---|---|---

Table B-12. 2025 NWP/NEP Surface Water Sampling

| | | | Field Data | | | | | | | | | | Metals | | | Radionuclides | | | | | | | | | |

Table B-13. 2025 SWP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (Field Data)	2,4,6-TETRACHLOROPHENOL (Acids)	2,4,5-TRICHLOROPHENOL	2,4-DICHLOROPHENOL	2,4-DIMETHYLPHENOL	2,4-DINITROPHENOL	2,6-DICHLOROPHENOL	2-CHLOROPHENOL	2-NITROPHENOL	4-NITROPHENOL	BENTAFO-4-CRESOL	M+P-CRESOL	O-CRESOL	P-CHLORO-M-CRESOL	PENTACHLOROPHENOL	PHENOL	1,2,4,5-TETRACHLOROBENZENE (Base/Neutrals)	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3,5-TRINITROBENZENE	1,3-DICHLOROBENZENE	1,3-DINITROBENZENE	1,4-DICHLOROBENZENE	1,8-DINAME	2,4,5-NITROBIPHENYL	2,4-NITROTOLUENE	2,6-DINITROTOLUENE	2-ACETYLAMINOFLUORENE	2-CHLORONAPHTHALENE	2-METHYLNAPHTHALENE	2-NITROANILINE	2-NITROPHENOL	2-PICOLINE	3,3-DICHLOROBENZIDINE	3,3'-DIMETHYLBENZIDINE	3-METHYLCHOLANTHRENE	4,6-DINITRO-O-CRESOL	4-AMINOBIPHENYL	4-BROMOPHENYL PHENYL ETHER	4-CHLOROANILINE	4-CHLOROPHENYL PHENYL ETHER	4-NITROQUINOLINE-1-OXIDE	5-NITRO-O-TOLUIDINE	7,12-DIMETHYLBENZ(A)ANTHRACENE	9,10-DIMETHYLPHENANTHRENE	ACENAPHTHENE	ACENAPHTHYLENE	ACETOPHENONE	ANILINE
		Any month year		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 1D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.51	<EQL	<EQL	79	<EQL	<EQL	<EQL	<EQL	<EQL	8.1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85A	Background Well	GAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85B	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.092	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85C	Background Well	UAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.9	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	48.7	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	11.6	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3ID	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	17.6	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-13. 2025 SWP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (Field Data)	ANTHRACENE (Base/Neutrals)	ARAMITE	BENZO(G,H,I)PERYLENE	BENZO(K)FLUORANTHENE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	BENZO(E)FLUORANTHENE	BENZO(GHI)PERYLENE	BIS(2-CHLOROETHOXY)METHANE	BIS(2-CHLOROETHYL)ETHER	BIS(2-ETHYLHEXYL)PHTHALATE (DEHP)	BUTYL BENZYL PHTHALATE	CHLOROBENZILATE	CHRYSENE	DAALATE	DIBENZ(A,H)ANTHRACENE	DIBENZOFURAN	DIETHYL PHTHALATE	DIMETHOATE	DIMETHYL PHTHALATE	DI-N-BUTYL PHTHALATE	DIPHENYLAMINE	DISULFOTON	ETHYL METHACRYLATE	ETHYL METHANESULFONATE	FAMPHUR	FLUORANTHENE	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROBUTADIENE	HEXACHLOROCYCLOPENTADIENE	HEXACHLOROETHANE	HEXACHLOROPHENE	HEXACHLOROPROPENE	INDENO(1,2,3-CD)PYRENE	ISODRIN	ISOPHORONE	ISOSAFROLE	KEPONE	METHAPYRILENE	METHYL METHANESULFONATE	METHYL PARATHION	N-NITROSODIETHYLAMINE	N-NITROSODIMETHYLAMINE	N-NITROSODI-N-BUTYLAMINE
		Any month year		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 1D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85A	Background Well	GAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85B	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.335	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85C	Background Well	UAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3ID	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-13. 2025 SWP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (Field Data)	N-NITROSODIPHENYLAMINE (Base/Neutrals)	N-NITROSODIPHENYLAMINE+DIPHENYLAMINE	N-NITROSODIPROPYLAMINE	N-NITROSOMORPHOLINE	N-NITROSO-N-METHYLETHYLAMINE	N-NITROSOPIPERIDINE	N-NITROSOPYRROLIDINE	OXAMYL	PARATHION	P-DIMETHYLAMINOAZOBENZENE	PENTACHLOROBENZENE	PENTACHLOROETHANE	PENTACHLORONITROBENZENE	PHENACETIN	PHENANTHRENE	PHORATE	P-PHENYLENEDIAMINE	P-PHENYLENEDIAMINE	PROPANAMIDE	PYRENE	PYRIDINE	SAFROLE	SULFOTEPP	THIONAZIN	CYANIDE (Cyanide)	2,3,7,8-TCDD (Dioxins)	HEXACHLORODIBENZO-P-DIOXINS	PENTACHLORODIBENZO-P-DIOXINS	TETRACHLORODIBENZO-P-DIOXINS	HEXACHLORODIBENZO-P-FURANS (Furans)	PENTACHLORODIBENZO-P-FURANS	TETRACHLORODIBENZO-P-FURANS	2,4,5-T (Herbicides)	2,4,5-TP (SILVEX)	2,4-DICHLOROPHENOXYACETIC ACID (2,4-D)	DINOSEB	ANTIMONY (Metals)	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM
		Any month year		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 1D	Background Well	UAZ_UTRAU	22-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.135	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	9	10	200	4	<EQL	108	16	100	15	2	398	50	84	2
BGO 2D	Background Well	UAZ_UTRAU	22-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	46.5	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85A	Background Well	GAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85B	Background Well	LAZ_UTRAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85C	Background Well	UAZ_UTRAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3ID	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

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Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (Field Data)	1,1,1,2-TETRACHLOROETHANE (Volatiles)	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROPROPANE	2-HEXANONE	ACETONE	ACETONITRILE (METHYL CYANIDE)	ACROLEIN	ACRYLONITRILE	ALLYL CHLORIDE	BENZENE	BROMODICHLOROMETHANE
		Any month year		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 1D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85A	Background Well	GAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85B	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85C	Background Well	UAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3BD	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3ID	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3IC	Point of Compliance Well	UAZ_UTRAU	28-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-13. 2025 SWP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (Field Data)	BROMOFORM (TribromomethaneTHM3)	BROMOMETHANE (METHYL BROMIDE)	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE (ETHYL CHLORIDE)	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CHLOROMETHANE (METHYL CHLORIDE)	CIS-1,2-DICHLOROPROPENE	DIBROMOCHLOROMETHANE	DIBROMOMETHANE (METHYLENE BROMIDE)	DICHLORODIFLUOROMETHANE	DICHLOROETHANE (METHYLENE CHLORIDE)	ETHYLBENZENE	HEXANONE (METHYL KETONE)	IODOMETHANE	METHACRYLONITRILE	METHYL ETHYL KETONE	METHYL ISOBUTYL KETONE	METHYL METHACRYLATE	PROPIONITRILE	STYRENE	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES	AMERIUM-241 (Radiosnuclides)	CESIUM-134	CESIUM-137	COBALT-60	COMBINED RADIUM (226 AND 228)	CURIUM-242	CURIUM-243	CURIUM-243/244	CURIUM-245/246	EUROPIUM-154	EUROPIUM-155	GROSS ALPHA	GROSS BETA	NEPTUNIUM-237	NICKEL-63	PLUTONIUM-238	PLUTONIUM-239/240	RADIUM-226
		Any month year		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
BGO 1D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.75	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.0416	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.951
BGO 2D	Background Well	UAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.8	0.179	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.0683	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85A	Background Well	GAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.092	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.9328	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.9231
HNB 85B	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.372	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
HNB 85C	Background Well	UAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.873	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.458	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.241
BGO 3BD	Point of Compliance Well

Table B-14. 3Q25 SEP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	2,3,4,6-TETRACHLOROPHENOL	2,4,5-TRICHLOROPHENOL	2,4,6-TRICHLOROPHENOL	2,4-DICHLOROPHENOL	2,4-DIMETHYLPHENOL	2,4-DINITROPHENOL	2,6-DICHLOROPHENOL	2-CHLOROPHENOL	2-NITROPHENOL	2-NITROPHENOL	3(ANETHO-A)-CRESOL	3(ANETHO-A)-CRESOL	3&4-CRESOL	5-CP-SOL (2-METHYLPHENOL)	4-CHLORO-M-CRESOL	PENTACHLOROPHENOL	PHENOL	1,2,4,5-TETRACHLOROBENZENE	1,2,3-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3,5-TRINITROBENZENE	1,3-DICHLOROBENZENE	1,3-DINITROBENZENE	1,4-DICHLOROBENZENE	1,4-DIOXANE	1,4-NAPHTHOQUINONE	1-NAPHTHYLAMINE	1-NITROPYRENE	2,4-DINITROTOLUENE	2,6-DINITROTOLUENE	2-ACETYLAMINOFLUORENE	2-CHLORONAPHTHALENE	2-METHYLANILINE (O-TOLUIDINE)	2-METHYLNAPHTHALENE	2-NITROANILINE	3-METHYLCHOLANTHRENE	2-PICOLINE	3,3'-DICHLOROBENZIDINE	3,3'-DIMETHYLBENZIDINE	3-METHYLCHOLANTHRENE	4-AMINOBIPHENYL	4-BROMOPHENYL PHENYL ETHER	4-CHLOROANILINE	4-CHLOROPHENYL PHENYL ETHER	ANTHROQUINONE-1-AMINE	5-NITRO-O-TOLUIDINE	7,12-DIMETHYLBENZ(A)ANTHRACENE	A,A-DIMETHYLPHENETHYLAMINE	ACENAPHTHENE	ACENAPHTHYLENE	ACETOPHENONE	ANILINE
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 35C	Point of Compliance Well	LAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	79	<EQL	<EQL	<EQL	<EQL	<EQL	1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 35D	Point of Compliance Well	UAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 37C	Point of Compliance Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.36	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 39A	Point of Compliance Well	GAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-14. 3Q25 SEP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	ACETHIDAZOLE	ALAMETE	BENZO(A)ACRIDINE	BENZO(A)ANTHRACENE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	BENZO(GHI)PERYLENE	BENZO(K)FLUORANTHENE	BENZO(R)-CHLORO-3-METHYLETHYLETHER	BENZO-CHLORODITHION-DIOXETHANE	BENZO-CHLORODITHYLETHER	BENZO-ETHYLHEXYL-PHTHALATE (BEHP)	BETYL BENZYL PHTHALATE	CHLOROFORMZOLATE	CHRYSENE	DIALLATE	DIBENZ(A,H)ANTHRACENE	DIBENZOFURAN	DIETHYL PHTHALATE	DIMETHOATE	DIMETHYL PHTHALATE	DI-N-BUTYL PHTHALATE	DIPHENYLAMINE	DISULFOTON	ETHYL METHACRYLATE	ETHYL METHANESULFONATE	FAMPHUR	FLUORANTHENE	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROBUTADIENE	HEXACHLOROCYCLOPENTADIENE	HEXACHLOROETHANE	HEXACHLOROPHENE	HEXACHLOROPROPENE	INDENO(1,2,3-CD)PYRENE	ISODRIN	ISOPHORONE	JOHNSONGRASS	KEPONE	METHAPYRILENE	METHYL METHANESULFONATE	METHYL PARATHION	M-NITROANILINE	NAPHTHALANE	N-DOCTYL PHTHALATE	NITROBENZENE	N-NITROSODIMETHYLAMINE	N-NITROSODI-N-BUTYLAMINE
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 35C	Point of Compliance Well	LAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 35D	Point of Compliance Well	UAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 37C	Point of Compliance Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 39A	Point of Compliance Well	GAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-14. 3Q25 SEP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	N-NITROSODIPHENYLAMINE	N-NITROSODIPHENYLAMINE-DIPHENYLAMINE	N-NITROSODIPROPYLAMINE	N-NITROSOMORPHOLINE	N-NITROSO-N-METHYLETHYLAMINE	N-NITROSOPIPERIDINE	N-NITROSOPYRROLIDINE	O,O,O-TRIETHYL PHOSPHOROTHIOATE	P-DIMETHYLAMINOAZOBENZENE	PENTACHLOROBENZENE	PENTACHLOROETHANE	PENTACHLOROETHYLENE	PHENACETIN	PHENANTHRENE	PHORATE	P-NITROANILINE	P-PHENYLENEDIAMINE	PRONAMIDE	PYRENE	PYRIDINE	SAFROLE	SULFOTEPP	THIONAZIN	Cyanide: CYANIDE	Dioxins: 1,3,7,8 TCDD	HEXACHLORODIBENZO-P-DIOXINS	HEXACHLORODIBENZO-P-DIOXINS	PENTACHLORODIBENZO-P-DIOXINS	TETRACHLORODIBENZO-P-DIOXIN	Furans: HEXACHLORODIBENZO-P-FURANS	HEXACHLORODIBENZO-P-FURANS	PENTACHLORODIBENZO-P-FURANS	TETRACHLORODIBENZO-P-FURANS	Herbicides: 2,4,5-T	2,4,5-TP (SILVEX)	2,4-DICHLOROPHENOXYACETIC ACID (2,4-D)	Metals: ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 35C	Point of Compliance Well	LAZ_UTRAU	20-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5	10	200	5	6	0.08	0.11	1.01	5	0.14	2	200	50	94	2
BGO 35D	Point of Compliance Well	UAZ_UTRAU	20-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5.85	<EQL	10.6	<EQL	<EQL	35	14.06	<EQL	1.2	1.01	<EQL	<EQL	<EQL
BGO 37C	Point of Compliance Well	LAZ_UTRAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.298	<EQL	<EQL	<EQL
BGO 39A	Point of Compliance Well	GAU	20-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-14. 3Q25 SEP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	Metals: TIN	VANADIUM	ZINC	PCBs: AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	Pesticides: ALDRIN	ALPHA-BENZENE HEXACHLORIDE	ALPHA-CHLORDANE	BETA-BENZENE HEXACHLORIDE	DDD	DDE	DDT	DELTA-BENZENE HEXACHLORIDE	DIELDRIN	ENDOSULFAN I	ENDOSULFAN II	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	GAMMA-CHLORDANE	HEPTACHLOR	HEPTACHLOR EPOXIDE	LINDANE	METHOXYCHLOR	TOXAPHENE	Sulfide: SULFIDE	Volatiles: 1,1,2,2-TETRACHLOROETHANE	1,1,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	2-HEXANONE	ACETONE	ACETONITRILE (METHYL CYANIDE)	ACROLEIN	ACRYLONITRILE	ALLYL CHLORIDE	BENZENE	BROMODICHLOROMETHANE
				1000	49	5000	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	200	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 35C	Point of Compliance Well	LAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	200	<EQL	<EQL	2.7	1	<EQL	<EQL	<EQL	<EQL	<EQL	5	5.56	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 35D	Point of Compliance Well	UAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.73	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 37C	Point of Compliance Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.6	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 39A	Point of Compliance Well	GAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-14. 3Q25 SEP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	Volatiles: BROMOFORM (TRIBROMOMETHANE)	BROMOMETHANE (METHYL BROMIDE)	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE (ETHYL CHLORIDE)	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CHLOROMETHANE (METHYL CHLORIDE)	CHLOROPRENE	CIS-1,3-DICHLOROPROPENE	DIBROMOCHLOROMETHANE	DIBROMOMETHANE (METHYLENE BROMIDE)	DICHLORODIFLUOROMETHANE	DICHLOROMETHANE (METHYLENE CHLORIDE)	ETHYLBENZENE	IODOMETHANE (METHYL IODIDE)	ISOBUTANOL	METHACRYLONITRILE	METHYL ETHYL KETONE	METHYL ISOBUTYL KETONE	METHYL METHACRYLATE	PROPIONITRILE	STYRENE	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	VINYL CHLORIDE	XYLENES	Radionuclides: AMERICIUM-241	CESIUM-134	CESIUM-137	COBALT-60	COMBINED RADIUM (226 AND 228)	CURIUM-242	CURIUM-243/244	CURIUM-245/246	EUROPIUM-154	EUROPIUM-155	IODINE-129	NEPTUNIUM-237	NICKEL-63	PLUTONIUM-238	PLUTONIUM-239/240	RADIUM-226	RADIUM-228
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
BGO 35C	Point of Compliance Well	LAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	810	<EQL	<EQL	<EQL	80	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	200	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5	1000	100	<EQL	<EQL	5	100	410	10000	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5	5
BGO 35D	Point of Compliance Well	UAZ_UTRAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	1.95	<EQL	<EQL	19.9	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	8.2	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	7.11	<EQL	2.311	<EQL	<EQL	264	3.73	<EQL	<EQL	2.149	<EQL	<EQL	<EQL	<EQL	6.261	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	11.05	11.29
BGO 37C	Point of Compliance Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.27	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.7	2.81	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.17	<EQL	<EQL	<EQL	<EQL	45.3	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	13.7	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 39A	Point of Compliance Well	GAU	20-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-14. 3Q25 SEP Annual Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	Radionuclides: SODIUM-22	STRONTIUM-89/90	STRONTIUM-90	TECHNETIUM-99	THORIUM-228	THORIUM-229	THORIUM-232	URANIUM-233	URANIUM-235
				pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
BGO 35C	Point of Compliance Well	LAZ_UTRAU	20-Jul-2025	<EQL	10	<EQL	20	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 35D	Point of Compliance Well	UAZ_UTRAU	20-Jul-2025	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 37C	Point of Compliance Well	LAZ_UTRAU	29-Jul-2025	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 39A	Point of Compliance Well	GAU	20-Jul-2025	<EQL	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Explanation

1.2	1
<EQL	<EQL
5	Greater Than GWPS
R	Result Rejected
5	Less than GWPS
BNS	BNS

ABBREVIATIONS

UAZ UTRA	Upper Aquifer Zone of the Upper Three Runs Aquifer
LAZ UTRA	Lower Aquifer Zone of the Upper Three Runs Aquifer
ug/L	micrograms per liter
pCi/L	picocuries per liter
pCi/mL	piccocuries per milliliter
<EQL	less than estimated quantitation limit
NDD	not decision data
REJ	rejected
NS	not sampled
BNS	requested to be sampled but did not. see comments as to why not.
POC	point of compliance
GWPS	groundwater protection standard
D	well is dry no sample of field data collected
I	Well went dry during sampling, Field data collected but insufficient water to collect all samples
L	Well went dry before sampling begun, only depth to water can be determined
P	Sample collection could not be completed because of inaccessibility or mechanical failure
T	Samples were collected, but turbidity exceeded 15 NTUs
X	Well went dry during purging, samples collected after well recovered measurements obtained
2	Sampled After Recovery

Sum of Beta Dose (MWMF): (U-14/2000 + I-129/1 + Sr-90/8)*4
Sum of Beta (MWMF): (U-14 + I-129)
Sum of Alphas (MWMF): (U-233/234 +U-235 +U-238)
total 1,2-dichloroethylene (MWMF): (cis-1,2-dichloroethylene + trans-1,2-dichloroethylene)

Table B-15 3Q25 NEP Annual Appendix IX and CRML

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	2,3,4-TRICHLOROPHENOL	2,3,4-TRICHLOROPHENOL	2,3,5-TRICHLOROPHENOL	2,4-DICHLOROPHENOL	2,4-DIETHYLPHENOL	2,4-DITHIOPHENOL	2,5-DICHLOROPHENOL	2-CHLOROPHENOL	2-NITROPHENOL	4-NITROPHENOL	5NITO-O-CRESOL	5-CHLORO-2-CRESOL	6-CHLORO-3-CRESOL	6-CHLORO-4-CRESOL	6-CHLORO-2-METHYLPHENOL)	8-CHLORO-4-CRESOL	PENTACHLOROPHENOL	PHENOL	2,3,4-TRICHLOROBENZENE	2,3,4-TRICHLOROBENZENE	2,3-DICHLOROBENZENE	2,3-DICHLOROANILINE	2,3-DICHLOROBENZENE	2,3-DITHIOTHIOPHENE	2,4-DICHLOROBENZENE	2,4-DICHLOROBENZENE	2,4-DITHIOTOLUENE	2,4-DITHIOTOLUENE	2,4-SECTYLAMINOFENOLOREME	2-CHLORONAPHTHALENE	2-METHYLNAPHTHALENE	2-NITROANILINE	2-NITROANILINE	2-PICOLINE	3,3-DICHLOROBENZIDINE	3,5-DIMETHYLBENZIDINE	3-METHYLCHOLANTHRENE	4,5-METHYLENEPHENANTHRENE	4-BROMOPHENYL PHENYL ETHER	4-CHLOROANILINE	4-CHLOROPHENYL PHENYL ETHER	5-NITO-O-TOLUIDINE	7,12-DIMETHYLBENZ(A)ANTHRACENE	9,A-DIMETHYLPHENETHYLAMINE	ACENAPHTHENE	ACENAPHTHYLENE	ACETOPHENONE	ANILINE
			Field Data	Acids																		Base/Neutrals																														
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIA	Background Well	GAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3A	Point of Compliance Well	GAU	22-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 4D	Point of Compliance Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 5C	Point of Compliance Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 5D	Point of Compliance Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 5D	Point of Compliance Well	LAZ_UTRAU	16-Sep-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 7D	Point of Compliance Well	LAZ_UTRAU	09-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 8AB	Point of Compliance Well	GAU	13-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 8C	Point of Compliance Well	LAZ_UTRAU	13-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table B-15 3Q25 NEP Annual Appendix IX and CRML

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	ANTHRACENE	BENZO(A)PHENANTHRENE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	BENZO(GHI)PERYLENE	BENZO(K)FLUORANTHENE	BENZYL ALCOHOL	BIS(2-CHLOROETHOXY)METHANE	BIS(2-CHLOROETHYL)ETHER	BIS(2-CHLOROISOPROPYL)ETHER	BIS(2-ETHYLHEXYL)PHTHALATE (DEHP)	BUTYL BENZYL PHTHALATE	CHLORODIBENZOFURAN	CHRYSENE	DIALLATE	DIBENZO(A,H)ANTHRACENE	DIBENZOFURAN	DIBUTYL PHTHALATE	DIETHYL PHTHALATE	DIMETHOATE	DIMETHYL PHTHALATE	DI-N-BUTYL PHTHALATE	DI-PHENYLAMINE	DISULFOTON	ETHYL METHANESULFONATE	ETHYL METHANESULFONATE	FLUORANTHENE	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROBUTADIENE	HEXACHLOROCYCLOPENTADIENE	HEXACHLOROETHANE	HEXACHLOROPHENE	HEXACHLOROPHENE	HEXACHLOROPROPENE	INDENO(1,2,3-CD)PYRENE	ISODRIN	ISOPHORONE	ISOSAFROLE	KEPONE	METHAPYRILENE	METHYL METHANESULFONATE	METHYL PARATHION	METHYL PARATHION	NAPHTHALENE	NITROBENZENE	NITROSODIETHYLAMINE	NITROSODIMETHYLAMINE	NITROSODIPHENYLAMINE
			Field Data	Base/Neutrals																																															
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIA	Background Well	GAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3A	Point of Compliance Well	GAU	22-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 4D	Point of Compliance Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 5C	Point of Compliance Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 5D	Point of Compliance Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 5D	Point of Compliance Well	LAZ_UTRAU	16-Sep-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 7D	Point of Compliance Well	LAZ_UTRAU	09-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 8AB	Point of Compliance Well	GAU	13-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 8C	Point of Compliance Well	LAZ_UTRAU	13-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table B-15 3Q25 NEP Annual Appendix IX and CRML

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	N-NITROSODIPHENYLAMINE	N-NITROSODIPHENYLAMINE-DIPHENYLAMINE	N-NITROSODIPROPYLAMINE	N-NITROSODIPHEDRINE	N-NITROSO-N-METHYLETHYLAMINE	N-NITROSOPIPERIDINE	N-NITROSOPYRROLIDINE	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PARATHION	P-DIMETHYLAMINOAZOBENZENE	PENTACHLOROBENZENE	PENTACHLOROETHANE	PENTACHLORONITROBENZENE	PHENACETIN	PHENANTHRENE	PHORATE	P-NITROANILINE	P-PHENYLENEDIAMINE	PRONAMIDE	PYRENE	PYRIDINE	SAFROLE	SO-LOTOPYP	THIONAZIN	CYANIDE	2,3,7,8-TCDD	HEXACHLORODIBENZO-P-DIOXINS	PENTACHLORODIBENZO-P-DIOXINS	TETRACHLORODIBENZO-P-DIOXIN	HEPTACHLORODIBENZO-P-DIOXINS	TETRACHLORODIBENZO-P-FURANS	PENTACHLORODIBENZO-P-FURANS	HEXACHLORODIBENZO-P-FURANS	2,4-D	2,4,5-TP (SILVEX)	2,4-DICHLOROPHENOXYACETIC ACID (2,4-D)	DINOSEB	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM
			Field Data	Base/Neutrals																							Cyanide	Dioxin					Furans			Herbicides			Metals													
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIA	Background Well	GAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3A	Point of Compliance Well	GAU	22-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 4D	Point of Compliance Well	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 5C	Point of Compliance Well	LAZ_UTRAU	22-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 5D	Point of Compliance Well	LAZ_UTRAU	22-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 5D	Point of Compliance Well	LAZ_UTRAU	16-Sep-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 7D	Point of Compliance Well	LAZ_UTRAU	09-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 8AB	Point of Compliance Well	GAU	13-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 8C	Point of Compliance Well	LAZ_UTRAU	13-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table B-15 3Q25 NEP Annual Appendix IX and CRML

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE	TIN	VANADIUM	ZINC	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	ALDRIN	ALPHA-BENZENE HEXACHLORIDE	ALPHA-CHLORDANE	BETA-BENZENE HEXACHLORIDE	DDD	DDE	DDT	DELTA-BENZENE HEXACHLORIDE	DIELDRIN	ENDOSULFAN I	ENDOSULFAN II	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	GAMMA-CHLORDANE	HEPTACHLOR	HEPTACHLOR EPOXIDE	KEPONE	METHOXYCHLOR	TOXAPHENE	3-UFD	1,1,1-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	1,2-DICHLOROETHANE	1,2,3-TRICHLOROBENZENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROPROPANE	2-HEXANONE	ACETONE	ACETONITRILE (METHYL CYANIDE)	ACROLEIN	ACRYLONITRILE	ACTIVE CHLORINE	BENZENE	BROMODICHLOROMETHANE
			Field Data	Metals			PCBs							Pesticides																			Solids	Volatiles																	
			day-month-year	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	<EQL	1000	30	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 2D	Background Well	LAZ_UTRAU	22-Jul-2025	<EQL	<EQL	5.91	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIA	Background Well	GAU	29-Jul-2025	<EQL	<EQL	11.1	R	R	R	R	R	R	R	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	6.06	R	R	R	R	R	R	R	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
SNB RIB	Background Well	LAZ_UTRAU	29-Jul-2025	<EQL	<EQL	11.1	R	R	R	R	R	R	R	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 3A	Point of Compliance Well	GAU	22-Jul-2025	<EQL	<EQL	10.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BGO 4D	Point of Compliance Well	LAZ_UTRAU	NS	NS	NS	11.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	N

Table B-16. 3Q25 NWP Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	2,3,4,6-TETRACHLOROPHENOL	2,3,5-TRICHLOROPHENOL	2,4,6-TRICHLOROPHENOL	2,4-DICHLOROPHENOL	2,4-DIMETHYLPHENOL	2,4-DINITROPHENOL	2,6-DICHLOROPHENOL	2-CHLOROPHENOL	2-NITROPHENOL	4-NITROPHENOL	DINITRO-O-CRESOL	M,P-CRESOL	O-CRESOL (2-METHYLPHENOL)	P-CHLORO-M-CRESOL	PENTACHLOROPHENOL	PHENOL	1,2,4,5-TETRACHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,2-DICHLOROBENZENE	1,3,5-TRINITROBENZENE	1,3-DICHLOROBENZENE	1,3-DINITROBENZENE	1,4-DICHLOROBENZENE	1,4-DIOXANE	1,4-NAPHTHOQUINONE	1-NAPHTHYLAMINE	2-NAPHTHYLAMINE	2-NITROANILINE	2-NITROBENZENE	2-PICOLINE	3,3-DICHLOROBENZIDINE	3,7-DIMETHYLBENZANTHRACENE	3-METHYLCHOLANTHRENE	4-AMINOBIPHENYL	4-BROMOPHENYL PHENYL ETHER	4-CHLOROANILINE	4-CHLOROPHENYL PHENYL ETHER	4-NITROQUINOLINE-1-OXIDE	5-NITRO-O-TOLUIDINE	7,12-DIMETHYLBENZ(A)ANTHRACENE	A,A,DIMETHYLPHENETHYLAMINE	ACENAPHTHENE	ACENAPHTHYLENE	ACETOPHENONE	ANILINE
				Field Data																Base/Neutrals																														
				Acids																																																
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 10DR	Point of Compliance Well	UAZ_UTRAU	23-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	29	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 15D	Point of Compliance Well	UAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 26A	Point of Compliance Well	GAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-16. 3Q25 NWP Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	ANTHRACENE	ARAMITE	BENZO(G,H,I)PERYLENE	BENZO(K)FLUORANTHENE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	BENZO(A)ANTHRACENE	BENZO(A)ALCOHOL	BIS(2-CHLORO-1-METHYLETHYL)ETHER	BIS(2-CHLOROETHOXY)METHANE	BIS(2-CHLOROETHYL)ETHER	BIS(2-ETHYLHEXYL)PHTHALATE (DEHP)	BUTYL BENZYL PHTHALATE	CHLORDANE (ALL ISOMERS)	CHRYSENE	DIALLATE	DIBENZO(A,H)ANTHRACENE	DIBENZOFURAN	DIETHYL PHTHALATE	DIMETHOATE	DIMETHYL PHTHALATE	DI-N-BUTYL PHTHALATE	DIPHENYLAMINE	DISULFOTON	ETHYL METHANESULFONATE	ETHYL METHANESULFONATE	FAMPHUR	FLORASULFURONE	FLUORANTHENE	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROCYCLOPENTADIENE	HEXACHLOROETHANE	HEXACHLOROPHENE	HEXACHLOROPROPENE	INDENO(1,2,3-CD)PYRENE	ISODRIN	ISOPHORONE	ISOSAFROLE	KEPONE	METHAPYRILENE	METHYL METHANESULFONATE	METHYL PARATHION	MONOCROTOPHOS	NITROBENZENE	NITROGEN,NITROSODIETHYLAMINE	NITROGEN,NITROSODIMETHYLAMINE	NITROGEN,NITROSO-N-BUTYLAMINE
				Field Data	Base/Neutrals																																													
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 10DR	Point of Compliance Well	UAZ_UTRAU	23-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 15D	Point of Compliance Well	UAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 26A	Point of Compliance Well	GAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-16. 3Q25 NWP Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	N-NITROSOPIPERIDINE	N-NITROSOPIPERIDINE,AMINE-DIPHENYLAMINE	N-NITROSOPIPERIDINE,AMINE-DIPHENYLAMINE	N-NITROSOMORPHOLINE	N-NITROSO,N-METHYLETHYLAMINE	N-NITROSOPIPERIDINE	N-NITROSOPYRROLIDINE	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PARATHION	P-DIMETHYLAMINOAZOBENZENE	PENTACHLOROETHANE	PENTACHLOROETHANE	PENTACHLORONITROBENZENE	PHENACETIN	PHENANTHRENE	PHORATE	P-NITROANILINE	P-PHENYLENEDIAMINE	PRONAMIDE	PYRENE	PYRIDINE	SAFROLE	SULFOTEPP	THIONAZIN	CYANIDE	Cyanide	2,3,7,8-TCDD	HEXACHLOROBIBENZO-P-DIOXINS	PENTACHLOROBIBENZO-P-DIOXINS	TETRACHLOROBIBENZO-P-DIOXINS	Dioxins	HEXACHLOROBIBENZO-P-FURANS	PENTACHLOROBIBENZO-P-FURANS	TETRACHLOROBIBENZO-P-FURANS	Furans	2,4-D	2,4,5-TP (SILVEX)	2,4-DICHLOROPHENOXYACETIC ACID (2,4-D)	DINOSEB	Herbicides	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	Metals
				Field Data	Base/Neutrals																								Cyanide	Dioxins							Furans				Herbicides														Metals
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 10DR	Point of Compliance Well	UAZ_UTRAU	23-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	18.11	<EQL	4	<EQL	<EQL	100	6	1100	15	2	890	28	94	2
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	24-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	R	<EQL <EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.2411	<EQL	<EQL	14.41	<EQL	<EQL	0.215	<EQL	0.101	<EQL	<EQL	<EQL
BGO 15D	Point of Compliance Well	UAZ_UTRAU	24-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	R	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	18.11	<EQL	<EQL	<EQL	<EQL	<EQL	0.516	<EQL	<EQL	<EQL	<EQL
BGO 26A	Point of Compliance Well	GAU	24-Jul-2025	NS	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	R	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	18.11	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-16. 3Q25 NWP Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	TIN	VANADIUM	ZINC	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	ALDRIN	ALPHA-BENZENE HEXACHLORIDE	ALPHA-CHLORDANE	BETA-BENZENE HEXACHLORIDE	DDD	DDE	DDT	DELTA-BENZENE HEXACHLORIDE	DIELDRIN	ENDOSULFAN I	ENDOSULFAN II	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	GAMMA-CHLORDANE	HEPTACHLOR	HEPTACHLOR EPOXIDE	ENDSULFAN	METHOXYCHLOR	TOXAPHENE	Pesticides	SULFIDE	Sulfide	1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROETHANE (EDC)	1,2-DICHLOROPROPANE	2-HEXANONE	ACETONE	ACETONITRILE (METHYL CYANIDE)	ACROLEIN	ACRYLONITRILE	ALLYL CHLORIDE	BENZENE	BROMODICHLOROMETHANE	Volatiles
				Field Data	Metals		PCBs							Pesticides																					Sulfide	Volatiles																					
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BGO 10DR	Point of Compliance Well	UAZ_UTRAU	23-Jul-2025	<EQL	2000	86	5000	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.37	<EQL	<EQL	1.87	0.087	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	24-Jul-2025	<EQL	<EQL	0.22	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 15D	Point of Compliance Well	UAZ_UTRAU	24-Jul-2025	<EQL	<EQL	50.2	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	33.1	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.03	<EQL
BGO 26A	Point of Compliance Well	GAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL

Table B-16. 3Q25 NWP Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	BROMOFORM (TRIBROMOMETHANE)	BROMOMETHANE (METHYL BROMIDE)	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE (ETHYL CHLORIDE)	CHLOROETHENE (VINYL CHLORIDE)	CHLOROFORM	CHLOROMETHANE (METHYL CHLORIDE)	CHLOROPRENE	CIS-1,3-DICHLOROPROPENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	DICHLOROETHANE (METHYLENE CHLORIDE)	ETHYL BENZENE	IODOMETHANE (METHYL IODIDE)	ISOBUTANOL	METHYL ETHYL ENTHLE	METHYL ETHYL KETONE	METHYL ISOBUTYL KETONE	METHYL METHACRYLATE	PROPIONITRILE	STYRENE	TETRACHLOROETHYLENE (PCE)	TOLUENE	TRANS-1,2-DICHLOROETHYLENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHYLENE (TCE)	TRICHLOROFLUOROMETHANE	VINYL ACETATE	XYLENES	Radionuclides	AMERICIUM-241	CESIUM-134	CESIUM-137	COBALT-60	COMBINED RADIUM (226 AND 228)	CURIUM-242	CURIUM-243/244	CURIUM-245/246	EUROPIUM-154	EUROPIUM-155	IODINE-129	NEPTUNIUM-237	NICKEL-63	PLUTONIUM-238	PLUTONIUM-239/240	RADIUM-226	RADIUM-228
				Field Data	Volatiles																															Radionuclides																			
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
BGO 10DR	Point of Compliance Well	UAZ_UTRAU	23-Jul-2025	<EQL	<EQL	<EQL	0.80	<EQL	<EQL	2	<EQL	0.80	<EQL	<EQL	<EQL	<EQL	3.00	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5	0.000	<EQL	<EQL	<EQL	0.50	1.15	<EQL	<EQL	<EQL	<EQL	<EQL	1.61	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	3.61	<EQL <EQL	<EQL
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	4.29	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.29	<EQL	<EQL	<EQL	<EQL	20.0	9.72	<EQL	<EQL	<EQL	<EQL	<EQL	1.41	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	1.41
BGO 15D	Point of Compliance Well	UAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.00	0.00	<EQL	<EQL	<EQL	<EQL	<EQL	1.13	0.96	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	7.24	<EQL	<EQL	<EQL	<EQL	91.0	3.38	<EQL	13.2	<EQL	<EQL	<EQL	2.91	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	2.91	<EQL
BGO 26A	Point of Compliance Well	GAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	5.49	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	0.561	0.853

Table B-16. 3Q25 NWP Appendix IX and CRML Sampling

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	SODIUM-22	STRONTIUM-90	TECHNETIUM-99	THORIUM-228	THORIUM-230	THORIUM-232	URANIUM-235	URANIUM-238
				Field Data	Radionuclides						
				pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
BGO 10DR	Point of Compliance Well	UAZ_UTRAU	23-Jul-2025	<EQL	0	28	<EQL	<EQL	<EQL	5	5
BGO 14CR	Point of Compliance Well	LAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 15D	Point of Compliance Well	UAZ_UTRAU	24-Jul-2025	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL	<EQL
BGO 26A	Point of Compliance Well	GAU	24-Jul-2025	<EQL	<EQL	0.347	<EQL	<EQL	<EQL	<EQL	<EQL

Explanation

I	I
<EQL	<EQL
	Greater Than GWPS.
R	Result Rejected
	Less than GWPS
RNS	RNS

ABBREVIATIONS

UAZ UTRA	Upper Aquifer Zone of the Upper Three Runs Aquifer
LAZ UTRA	Lower Aquifer Zone of the Upper Three Runs Aquifer
ug/L	micrograms per liter
pCi/L	piccocuries per liter
pCi/mL	piccocuries per milliliter
<EQL	less than estimated quantitation limit
NDD	not decision data
REJ	rejected
NS	not sampled
RNS	requested to be sampled but did not. see comments as to why not.
POC	point of compliance
GWPS	groundwater protection standard
D	well is dry-no sample of field data collected
I	Well went dry during sampling, Field data collected but insufficient water to collect all samples
L	Well went dry before sampling began, only depth to water can be determined
P	Sample collection could not be completed because of inaccessibility or mechanical failure
T	Samples were collected, but turbidity exceeded 15 NTUs
X	Well went dry during purging, samples collected after well recovered measurements obtained
2	Sampled After Recovery

Sum of Beta Dose (MWMF): (C-14/2000 + I-129/1 + Sr-90/8)*4
Sum of Beta (MWMF): (C-14 + I-129)
Sum of Alpha (MWMF): (U-233/234 +U-235 +U-238)
total 1,2-dichloroethylene (MWMF): (cis-1,2-dichloroethylene + trans-1,2-dichloroethylene)

APPENDIX C

MIXED WASTE MANAGEMENT FACILITY

ANALYTICAL DATA

FIRST QUARTER 2025 – FOURTH QUARTER 2025

AND

HISTORICAL DATA

Note: Analytical data are presented on CD ROM.

APPENDIX D

F-AREA, H-AREA, AND MIXED WASTE MANAGEMENT FACILITY HYDROGRAPHS

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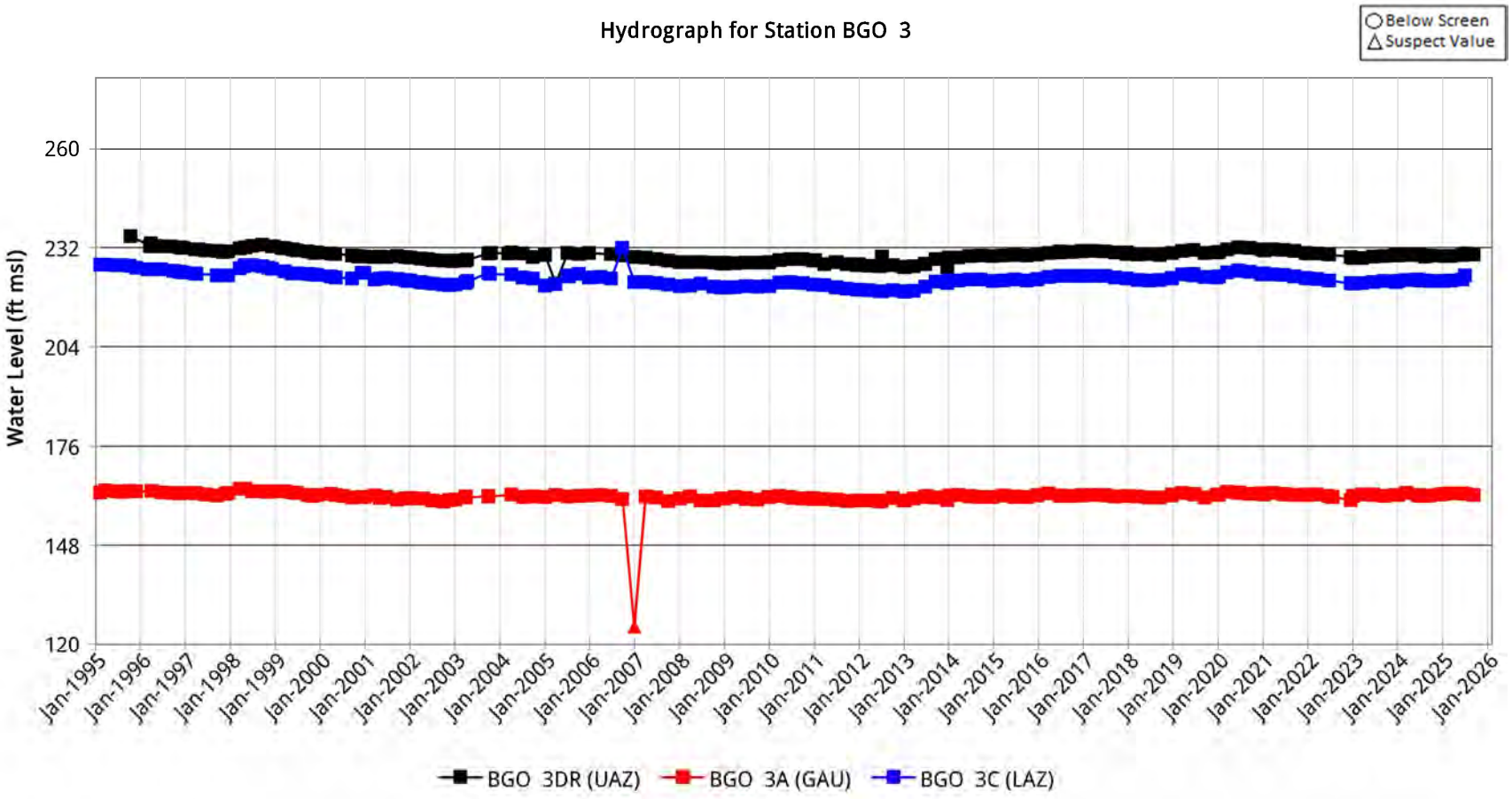
Hydrograph for Station BGO 3
Below Screen
Suspect Value
Water Level (ft msl)
260
232
204
176
148
120
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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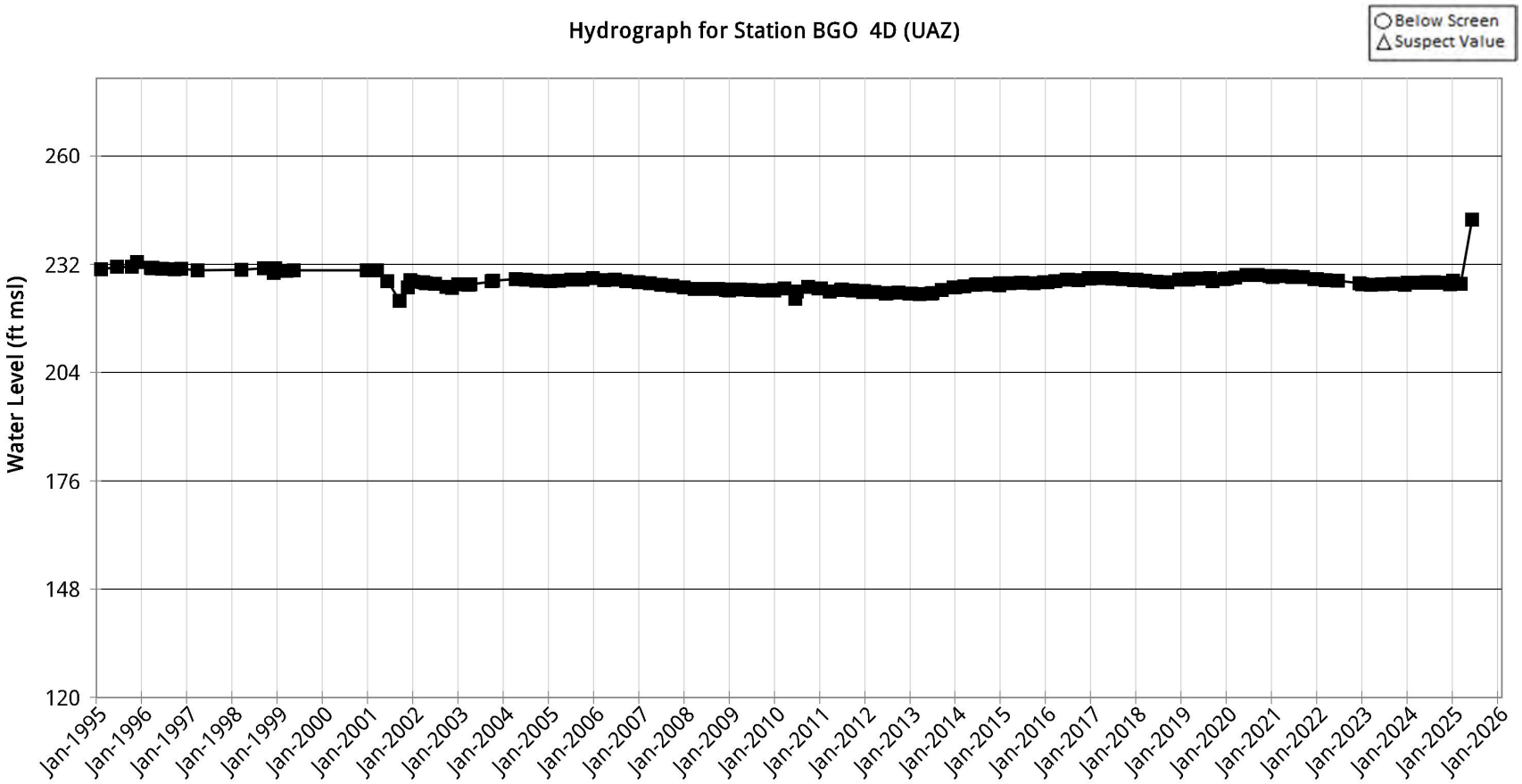
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 3DR (UAZ)
BGO 3A (GAU)
BGO 3C (LAZ)


Hydrograph for Station BGO 4D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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232
204
176
148
120
Jan-1995
Jan-1996
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Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2005
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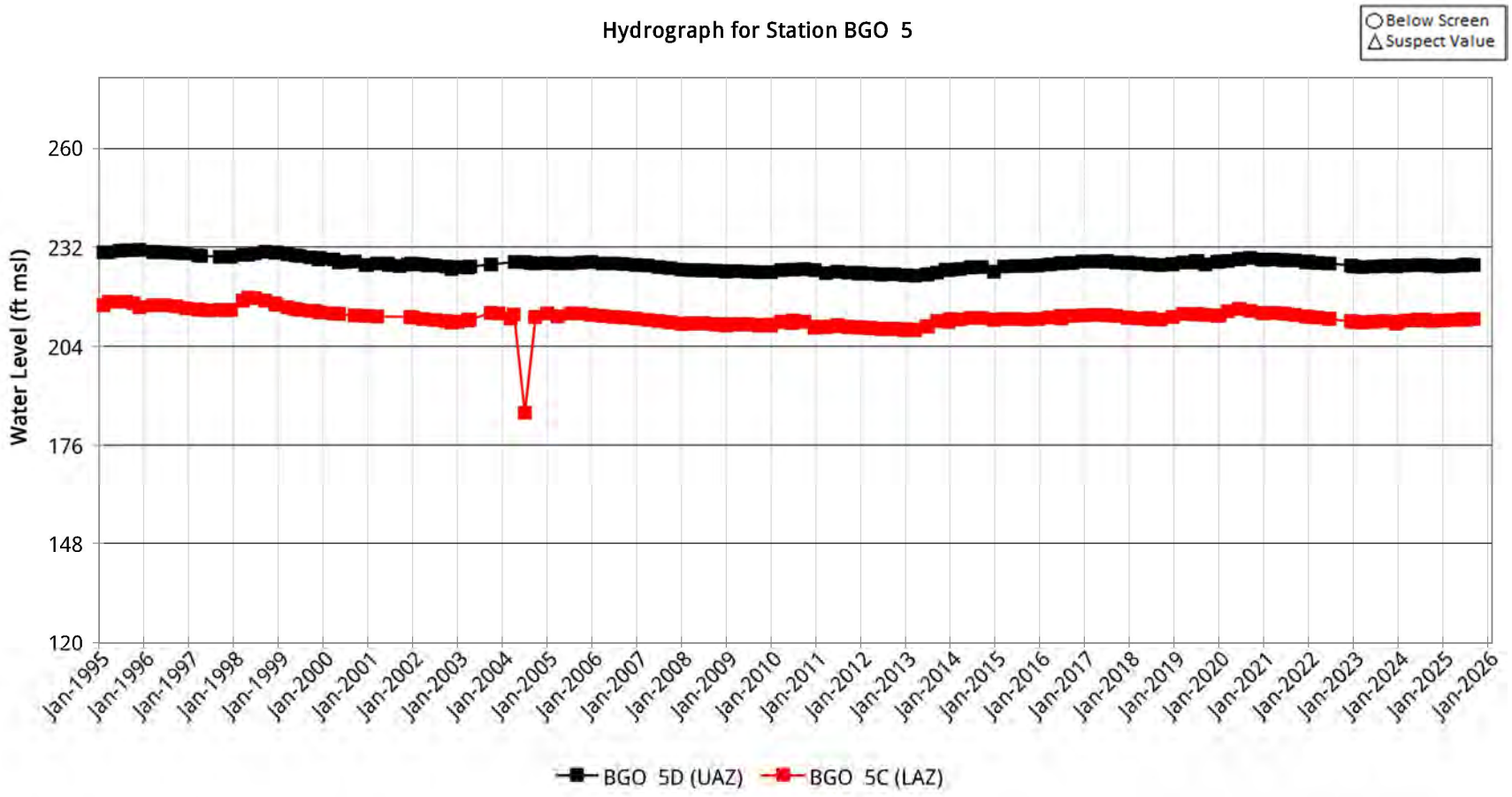
Jan-2025
Jan-2026


Hydrograph for Station BGO 5
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Suspect Value
Water Level (ft msl)
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232
204
176
148
120
Jan-1995
Jan-1996
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Jan-2002
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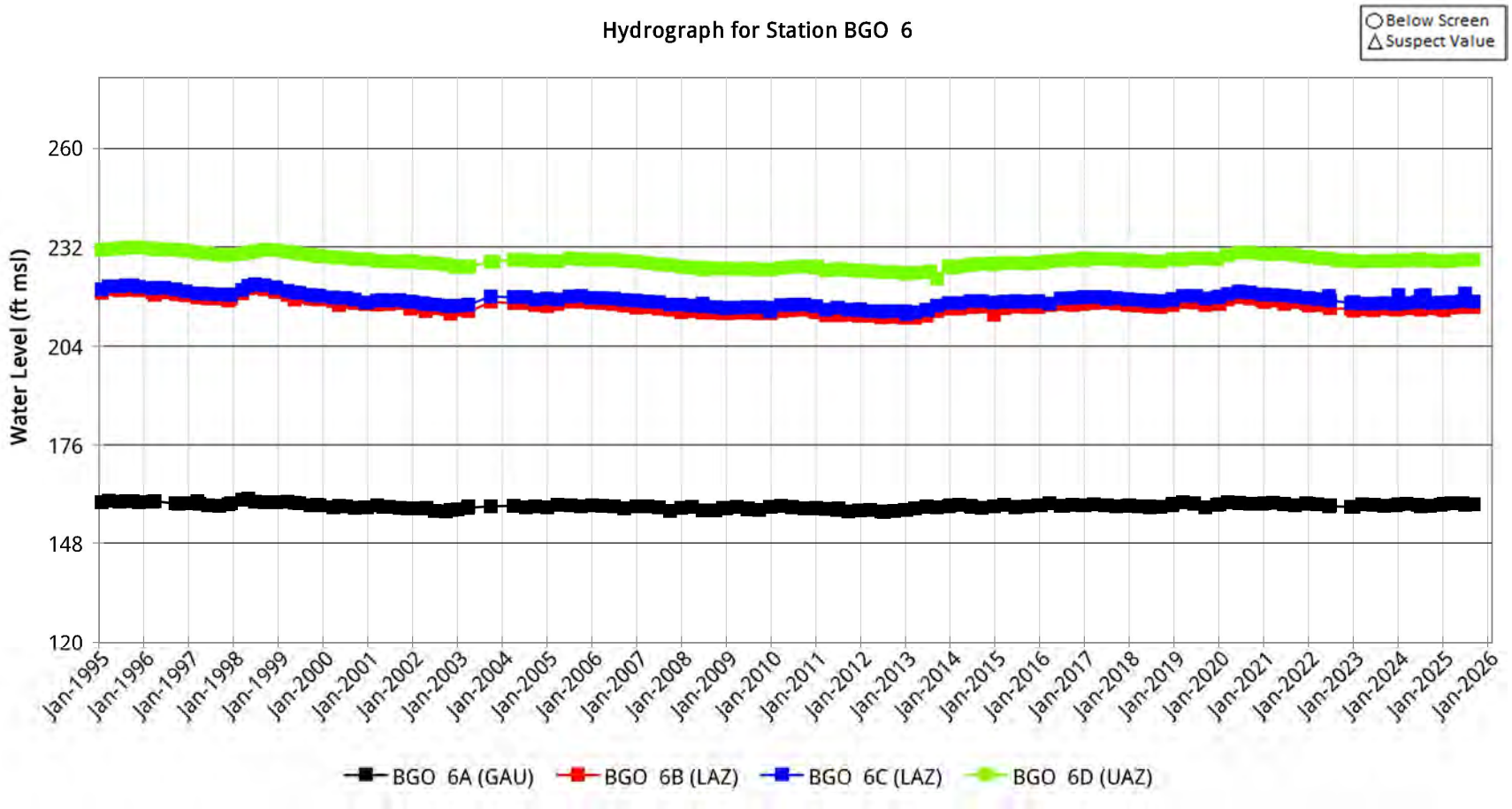
Jan-2025
Jan-2026
BGO 5D (UAZ)
BGO 5C (LAZ)


Hydrograph for Station BGO 6
Below Screen
Suspect Value
Water Level (ft msl)
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204
176
148
120
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Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
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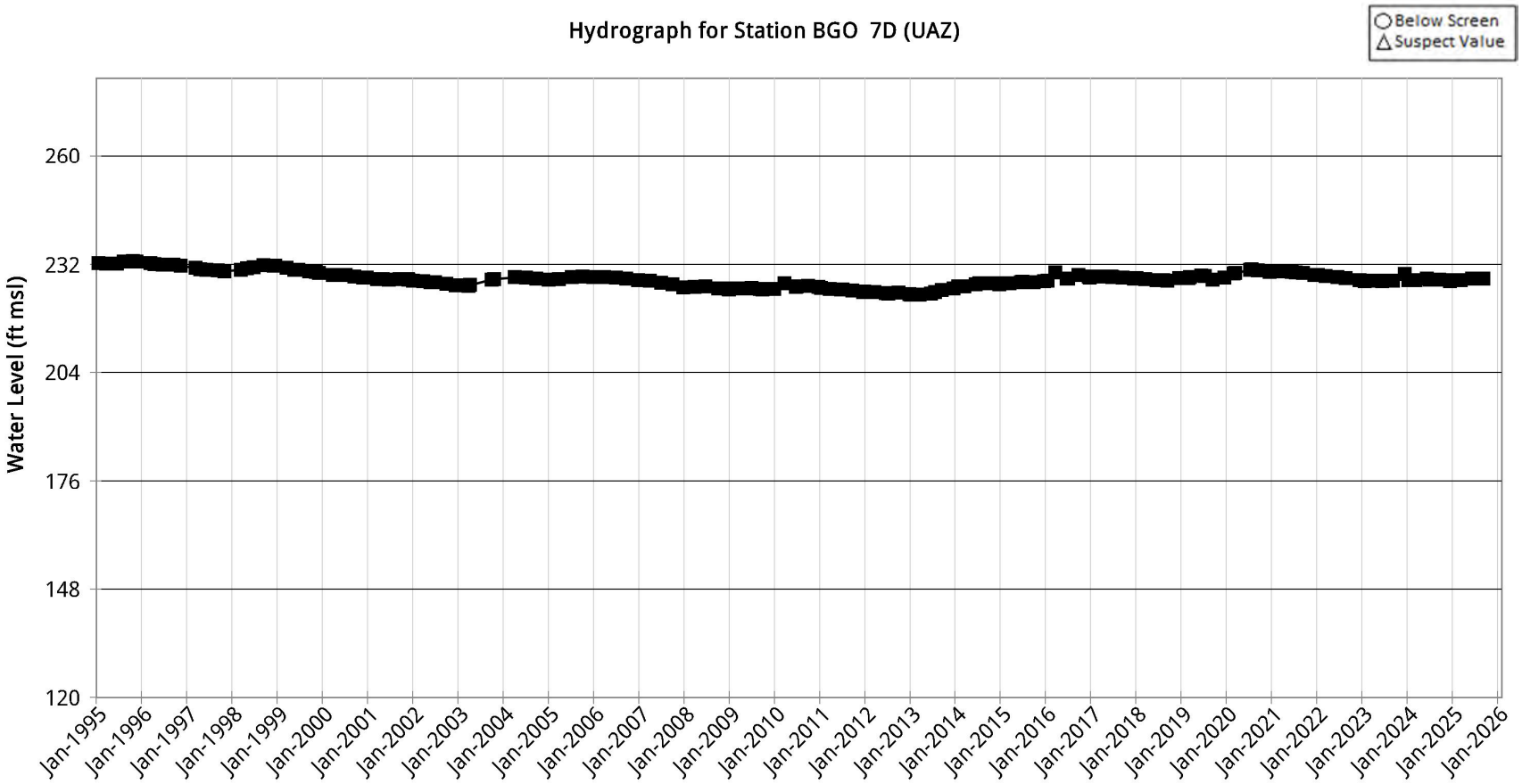
Jan-2026
BGO 6A (GAU)
BGO 6B (LAZ)
BGO 6C (LAZ)
BGO 6D (UAZ)


Hydrograph for Station BGO 7D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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232
204
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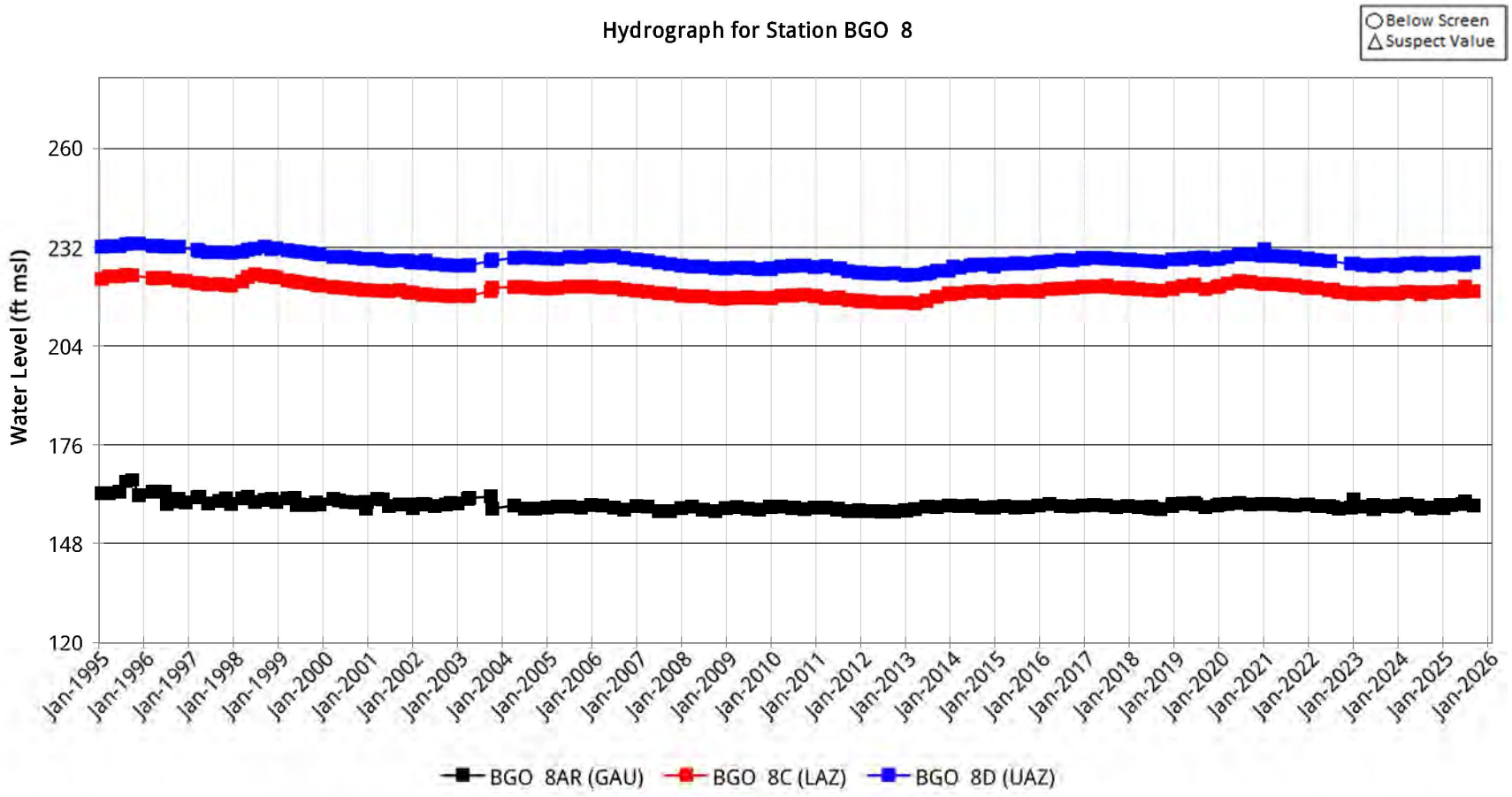
Hydrograph for Station BGO 8
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Suspect Value
Water Level (ft msl)
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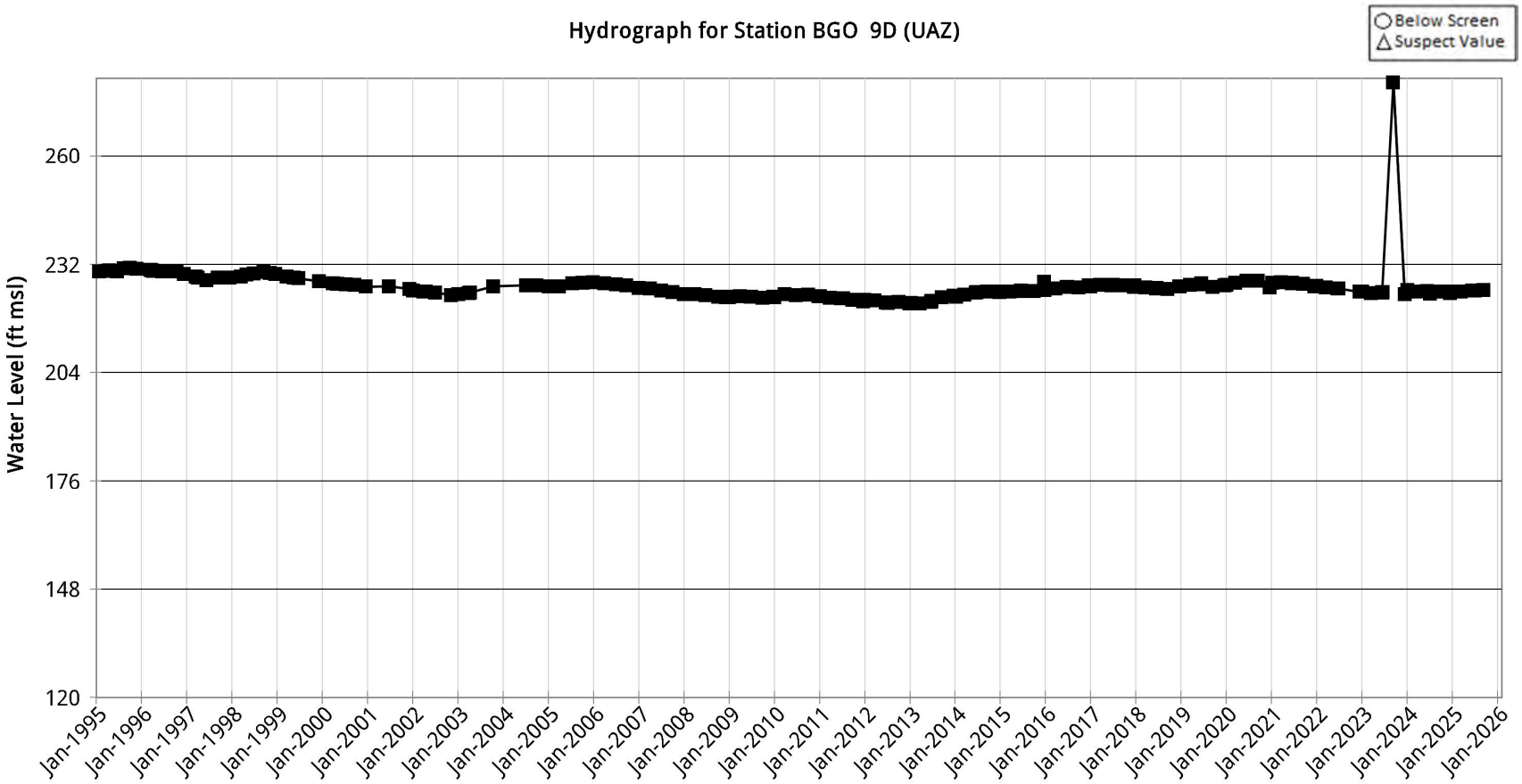
BGO 8AR (GAU)
BGO 8C (LAZ)
BGO 8D (UAZ)


Hydrograph for Station BGO 9D (UAZ)
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Suspect Value
Water Level (ft msl)
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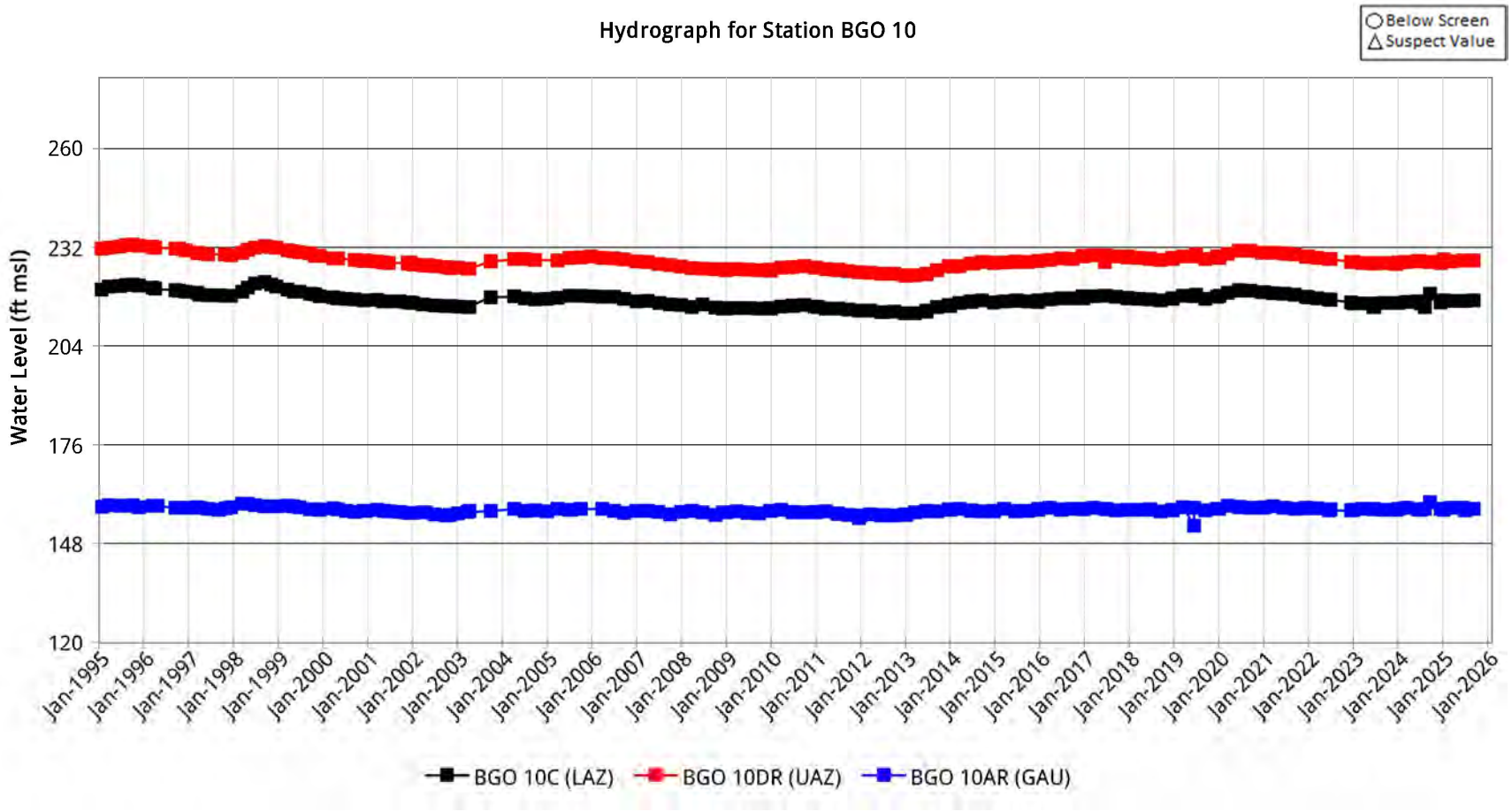
Hydrograph for Station BGO 10
Below Screen
Suspect Value
Water Level (ft msl)
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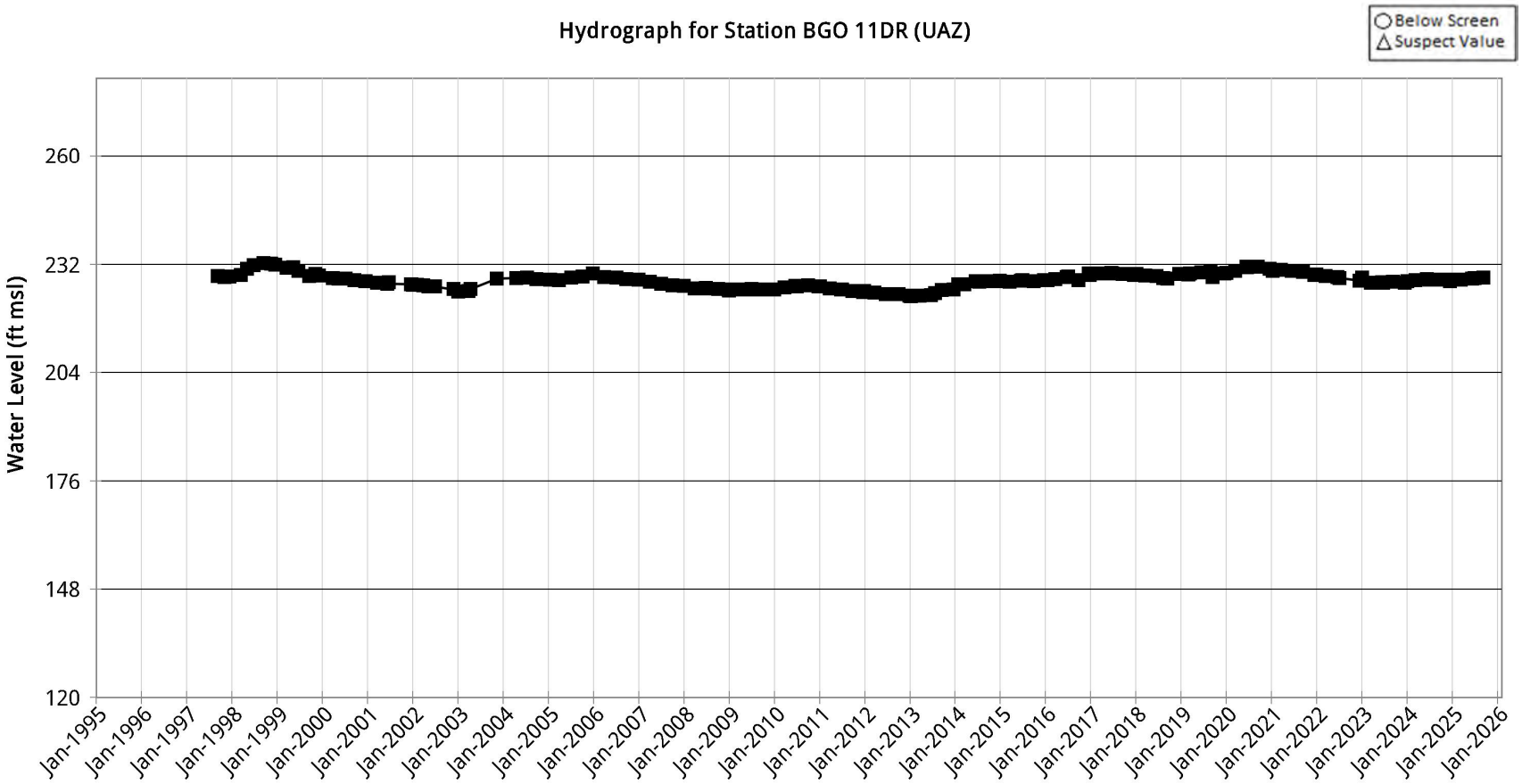
BGO 10C (LAZ)
BGO 10DR (UAZ)
BGO 10AR (GAU)


Hydrograph for Station BGO 11DR (UAZ)
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Suspect Value
Water Level (ft msl)
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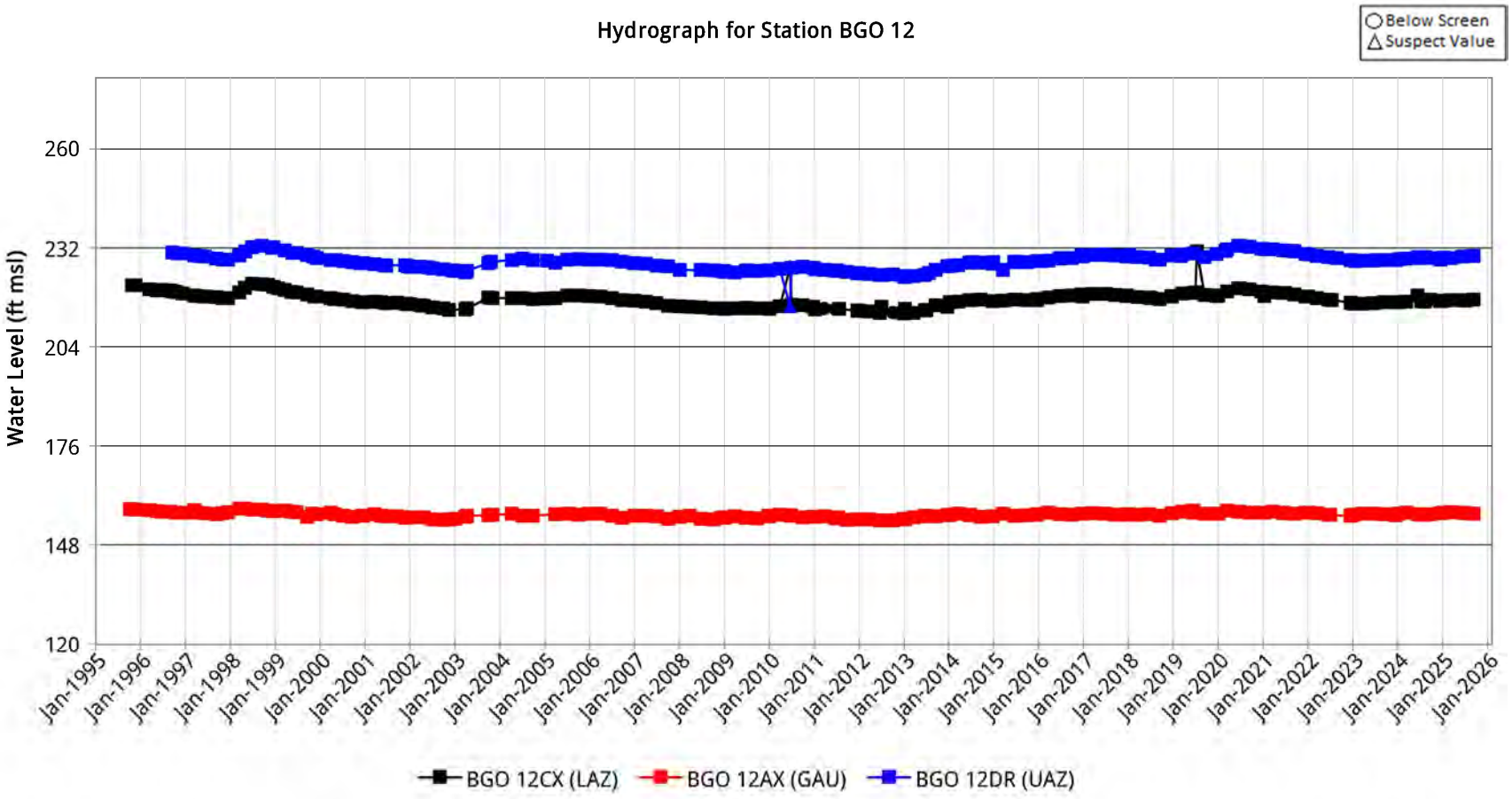
Hydrograph for Station BGO 12
Below Screen
Suspect Value
Water Level (ft msl)
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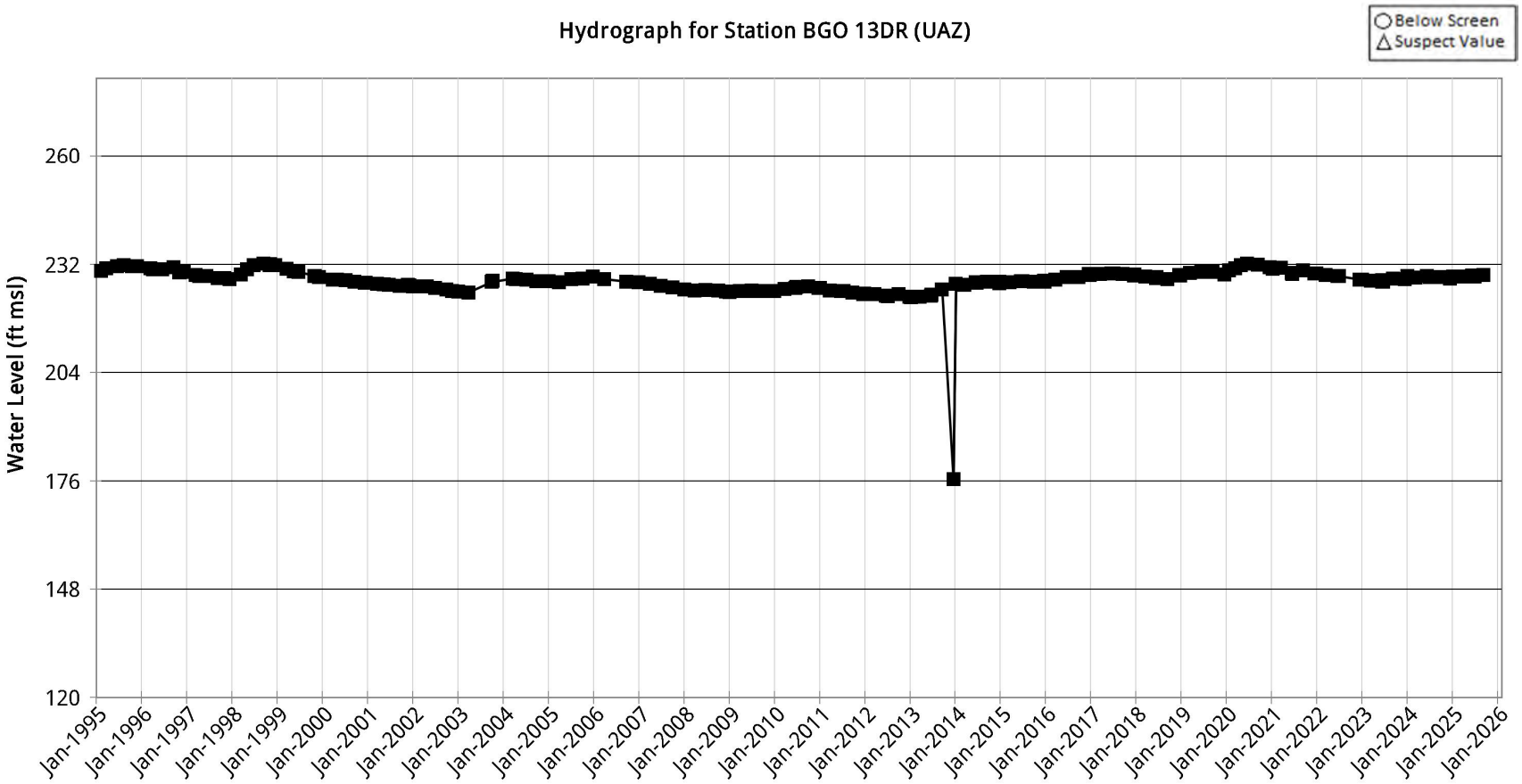
BGO 12CX (LAZ)
BGO 12AX (GAU)
BGO 12DR (UAZ)


Hydrograph for Station BGO 13DR (UAZ)
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Suspect Value
Water Level (ft msl)
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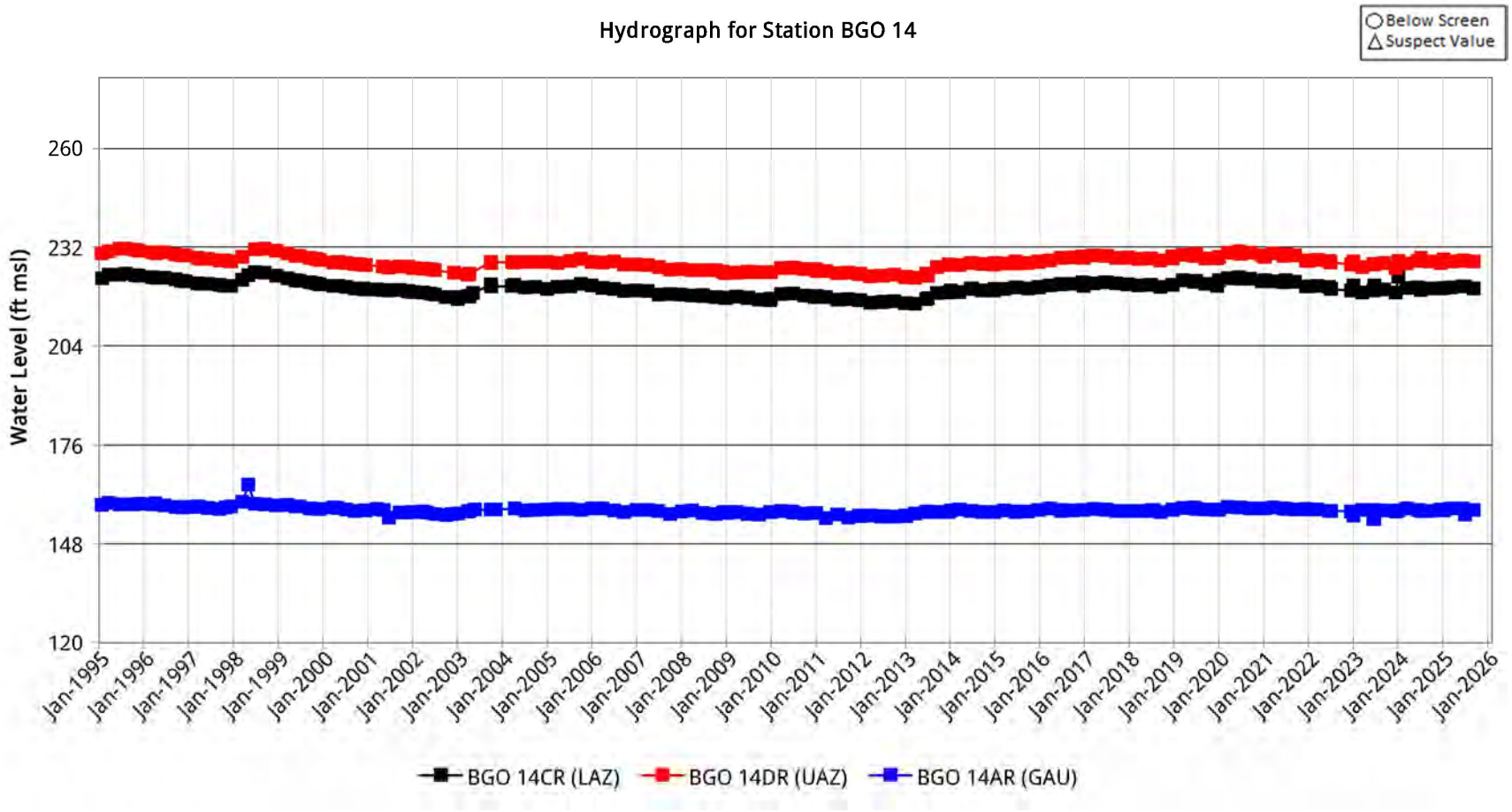
Hydrograph for Station BGO 14
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Suspect Value
Water Level (ft msl)
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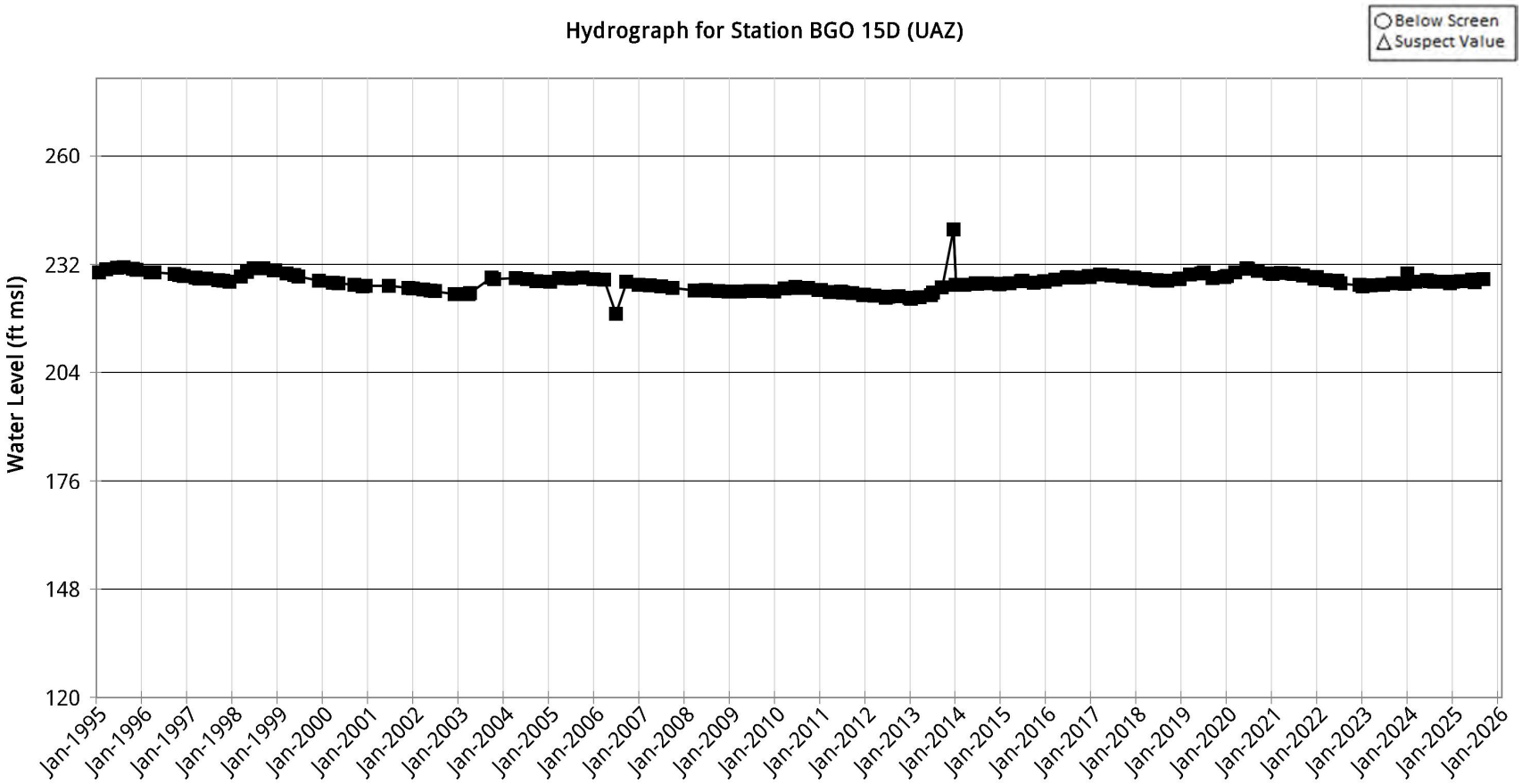
Jan-2026
BGO 14CR (LAZ)
BGO 14DR (UAZ)
BGO 14AR (GAU)


Hydrograph for Station BGO 15D (UAZ)
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Suspect Value
Water Level (ft msl)
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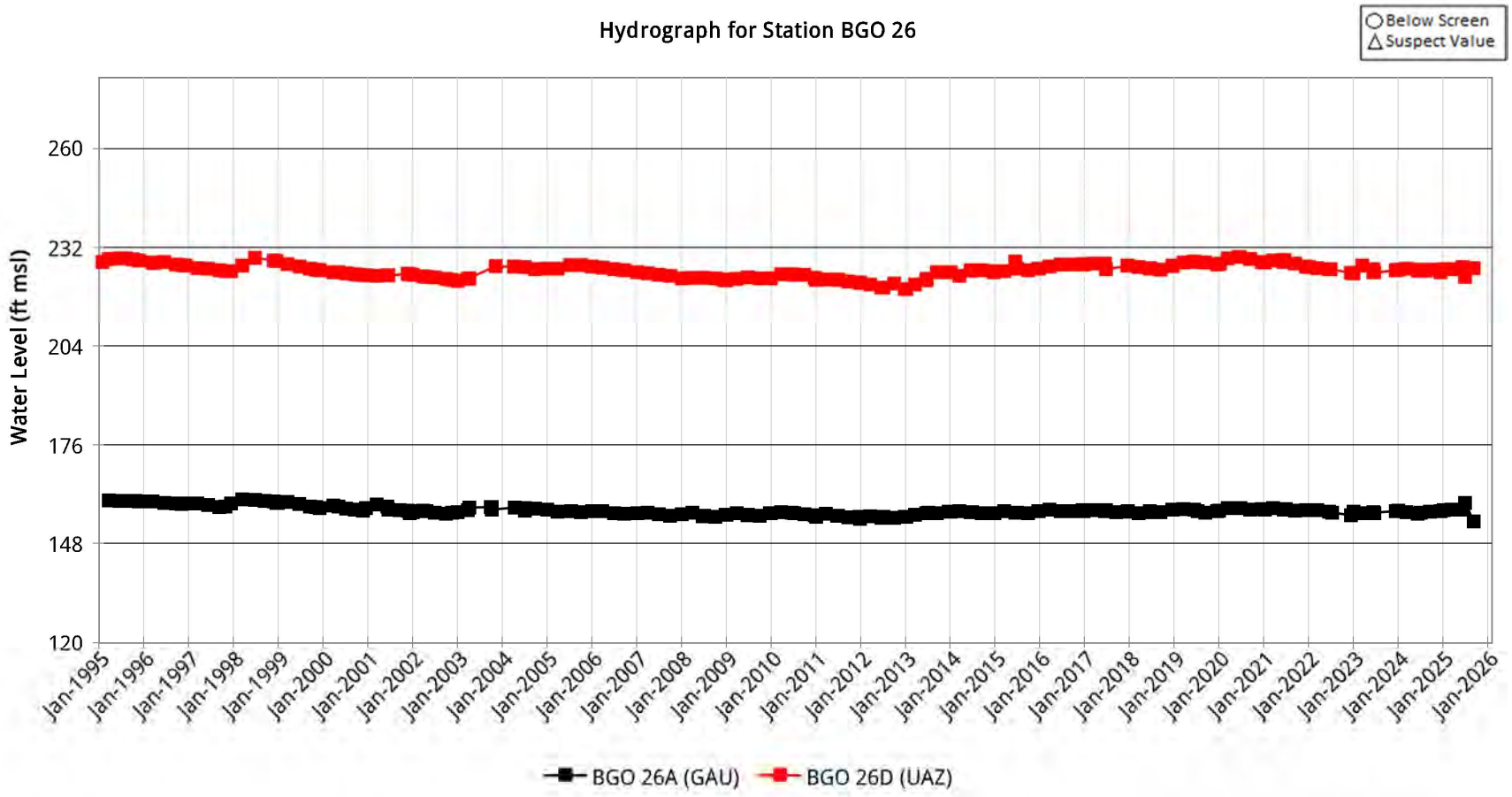
Hydrograph for Station BGO 26
Below Screen
Suspect Value
Water Level (ft msl)
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Jan-1995
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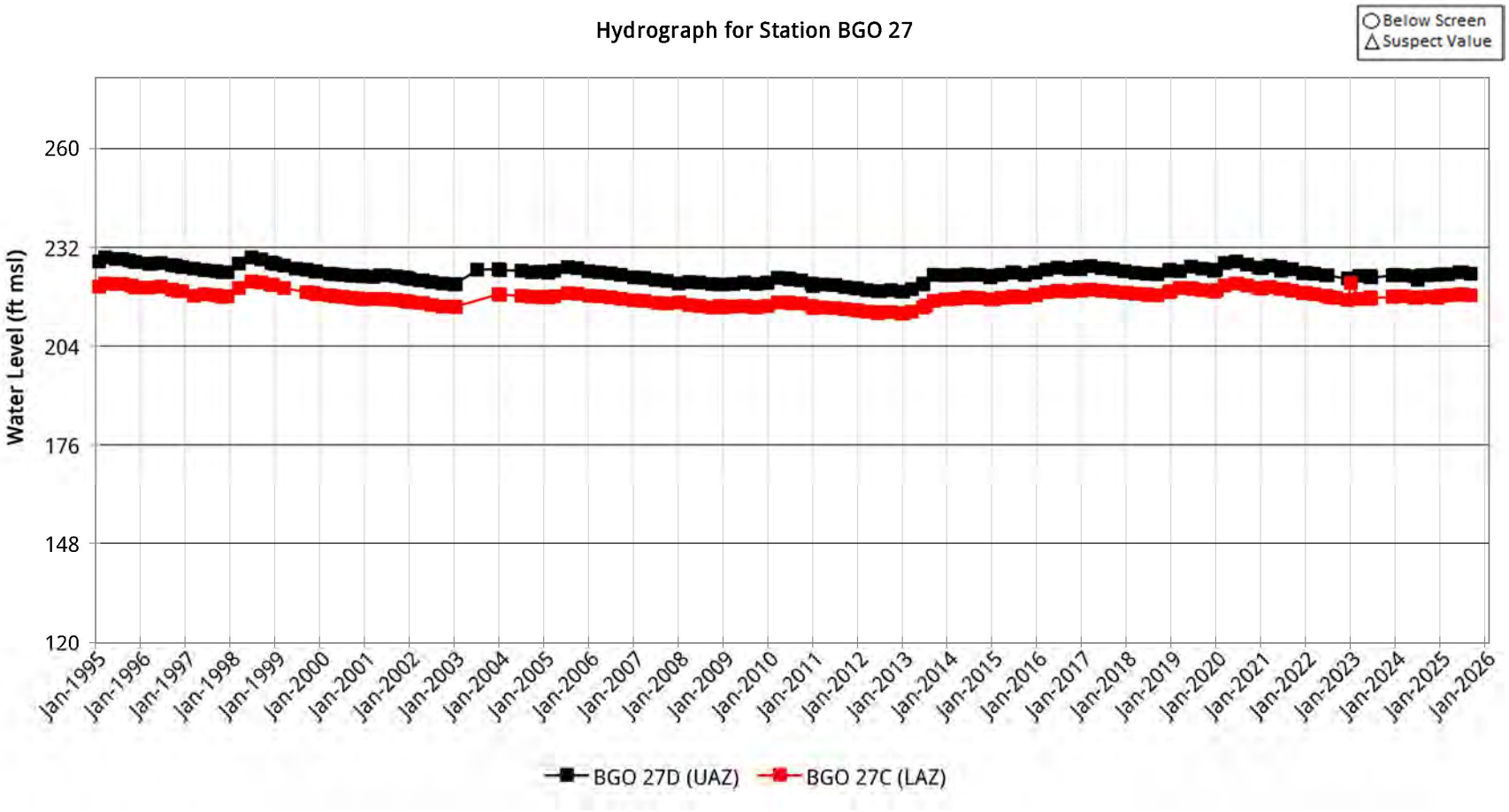
BGO 26A (GAU)
BGO 26D (UAZ)


Hydrograph for Station BGO 27
Below Screen
Suspect Value
Water Level (ft msl)
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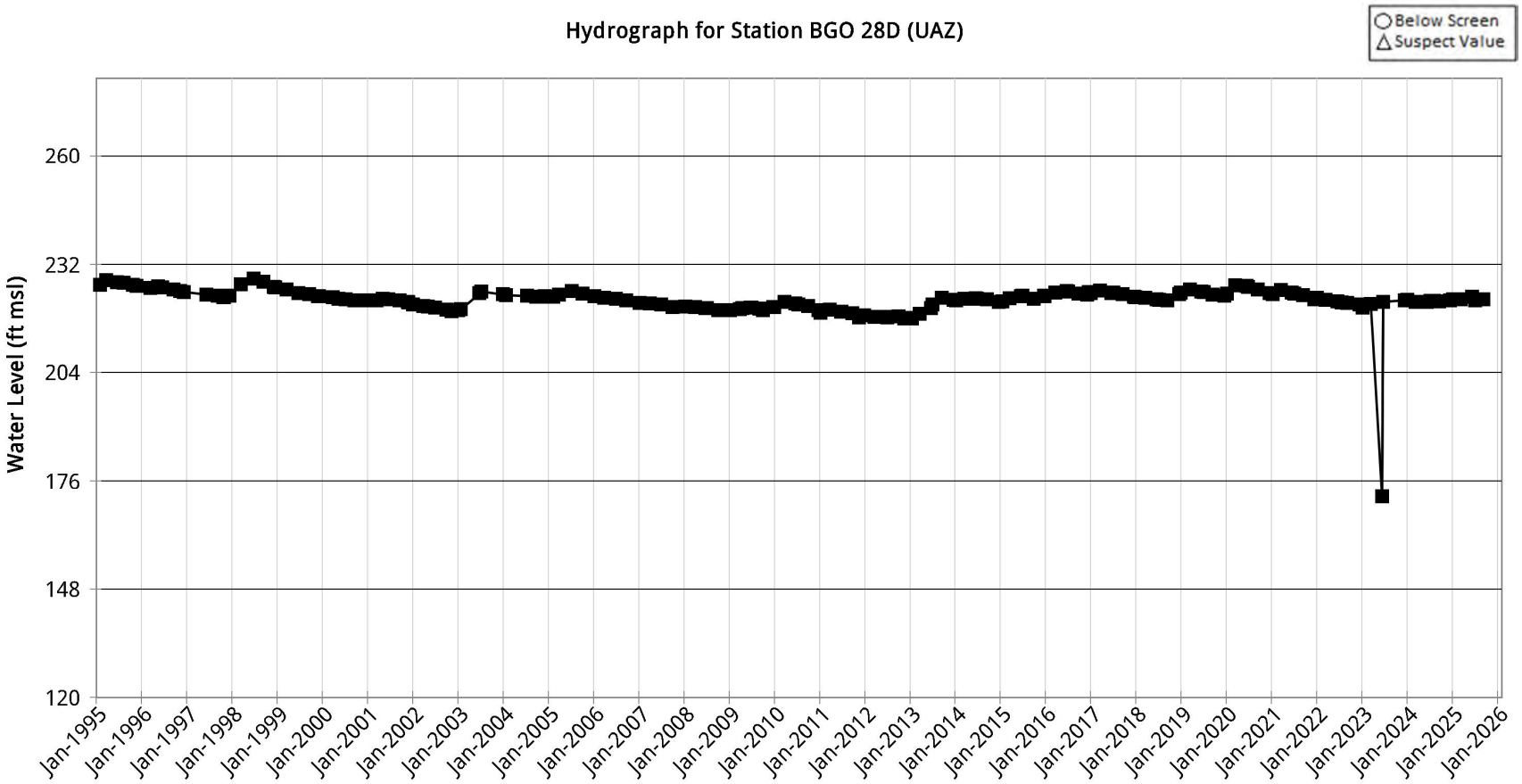
BGO 27D (UAZ)
BGO 27C (LAZ)


Hydrograph for Station BGO 28D (UAZ)
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Suspect Value
Water Level (ft msl)
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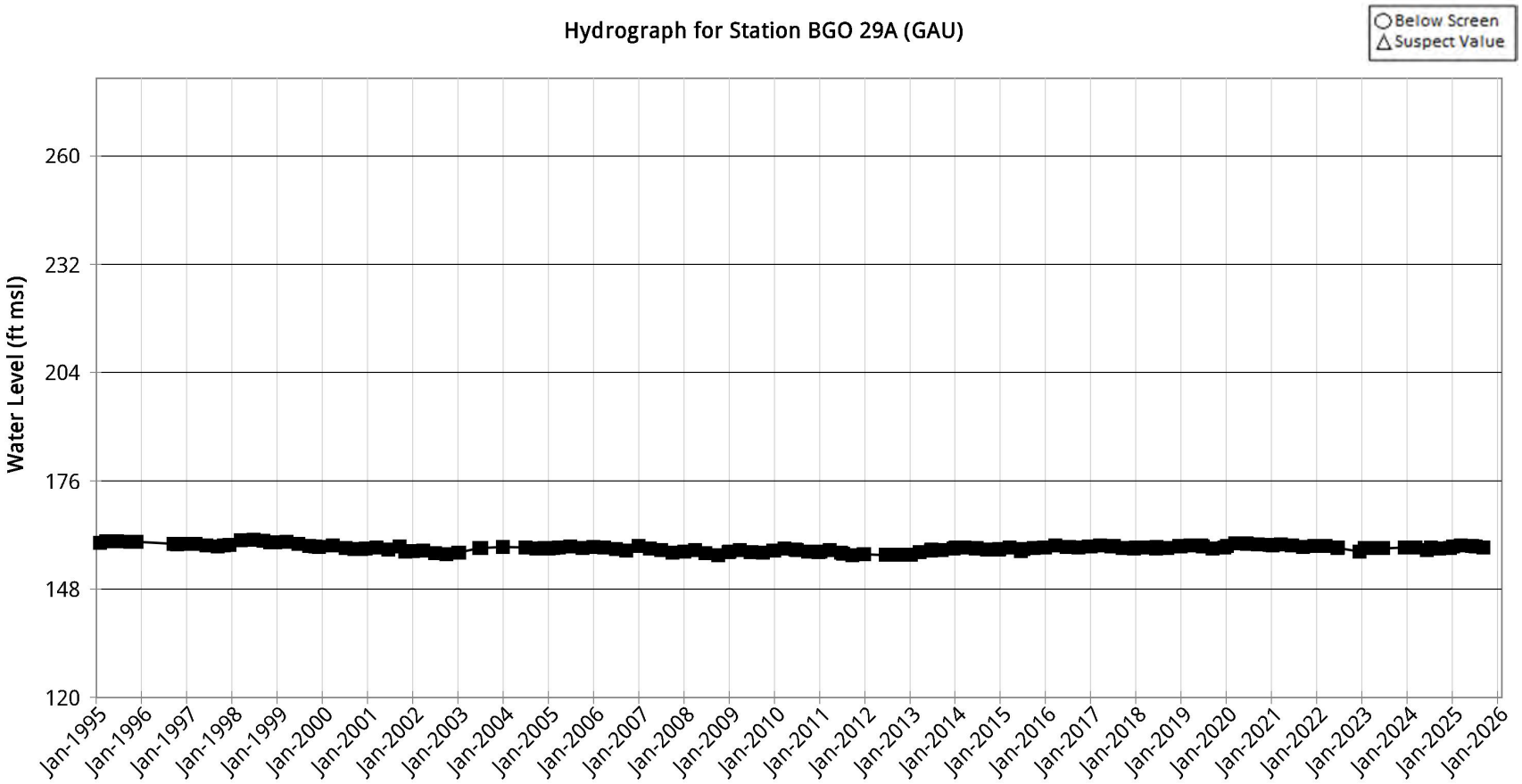
Hydrograph for Station BGO 29A (GAU)
Below Screen
Suspect Value
Water Level (ft msl)
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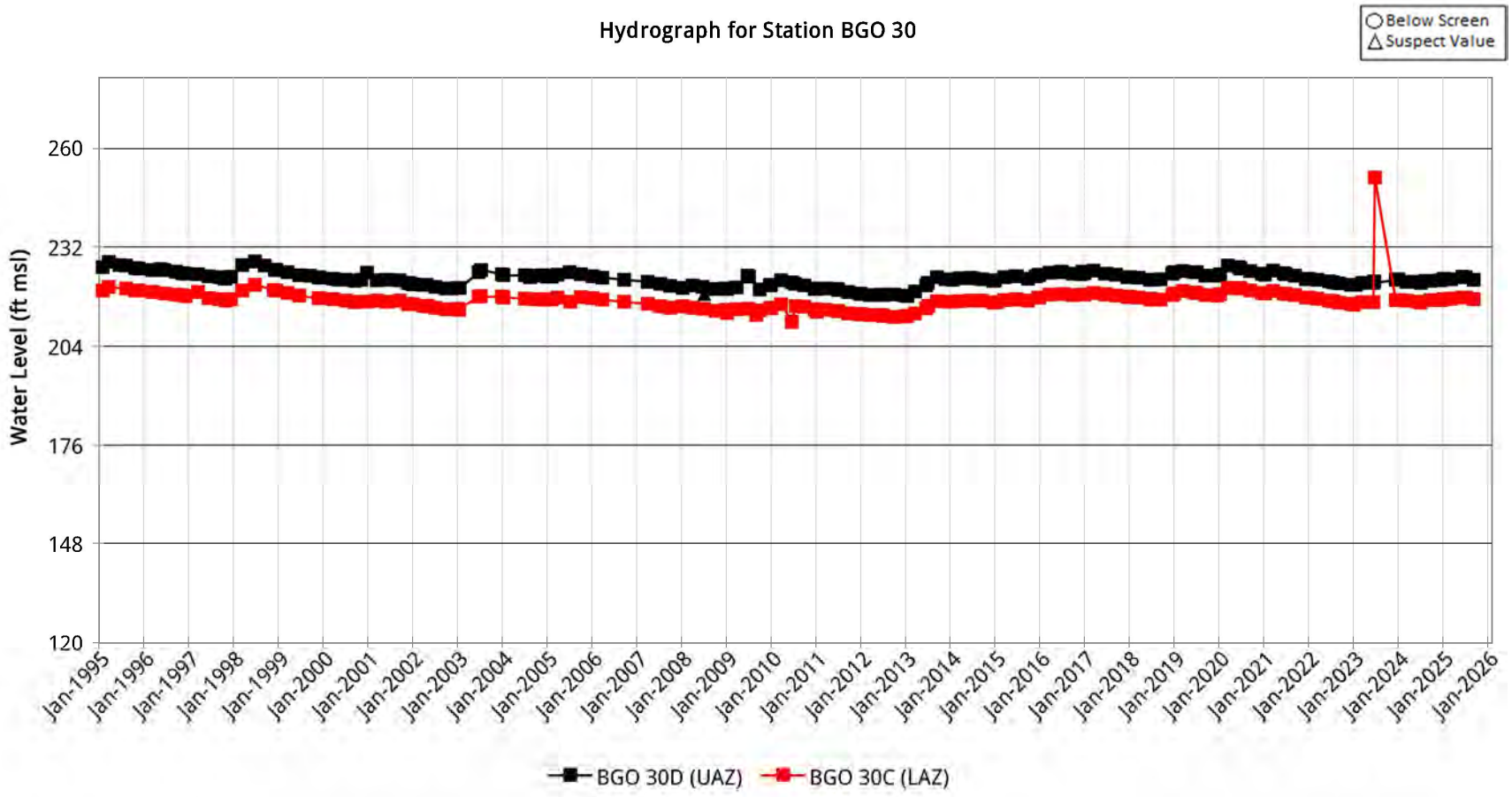
Hydrograph for Station BGO 30
Below Screen
Suspect Value
Water Level (ft msl)
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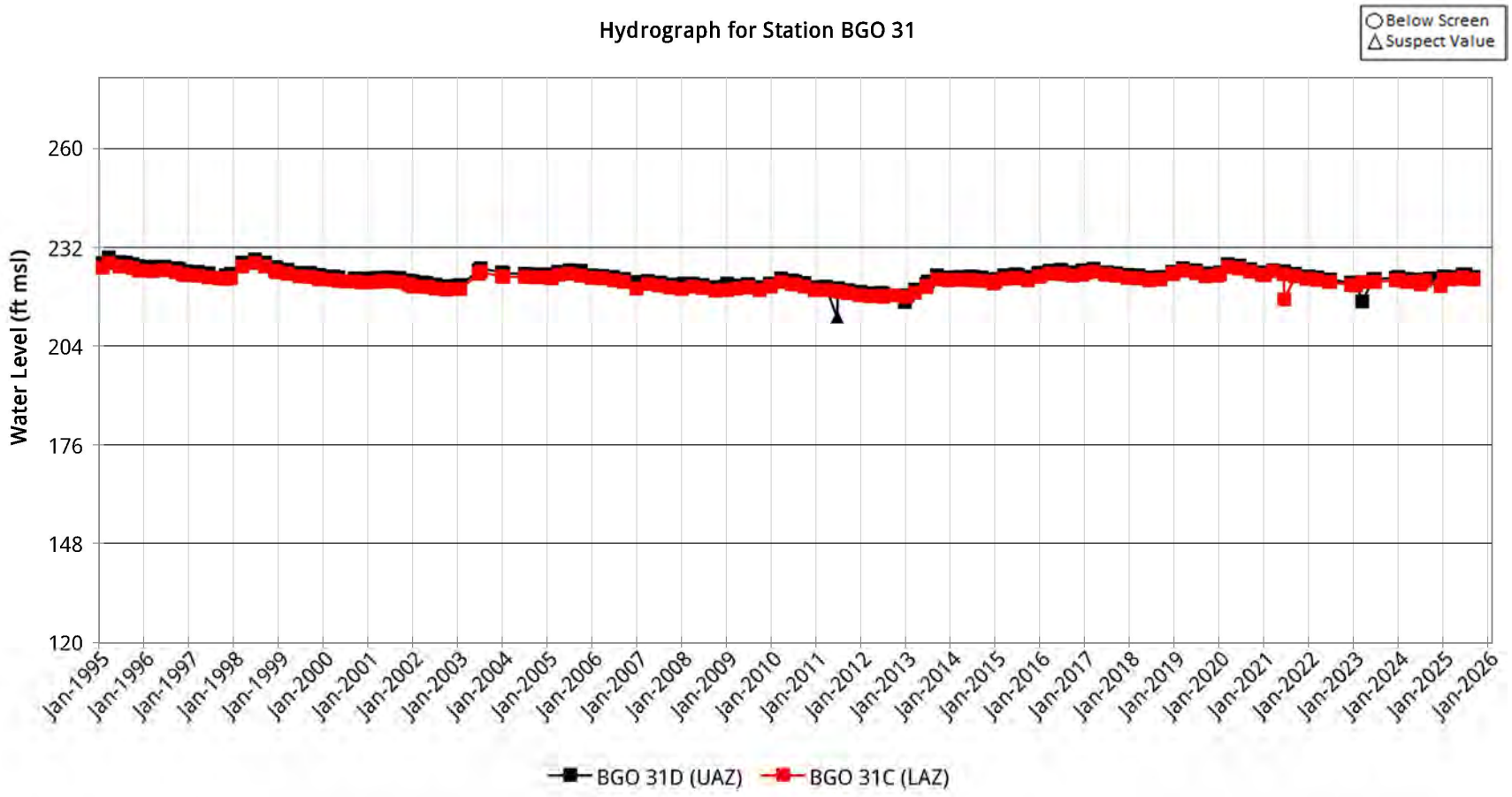
BGO 30D (UAZ)
BGO 30C (LAZ)


Hydrograph for Station BGO 31
Below Screen
Suspect Value
Water Level (ft msl)
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232
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Jan-1995
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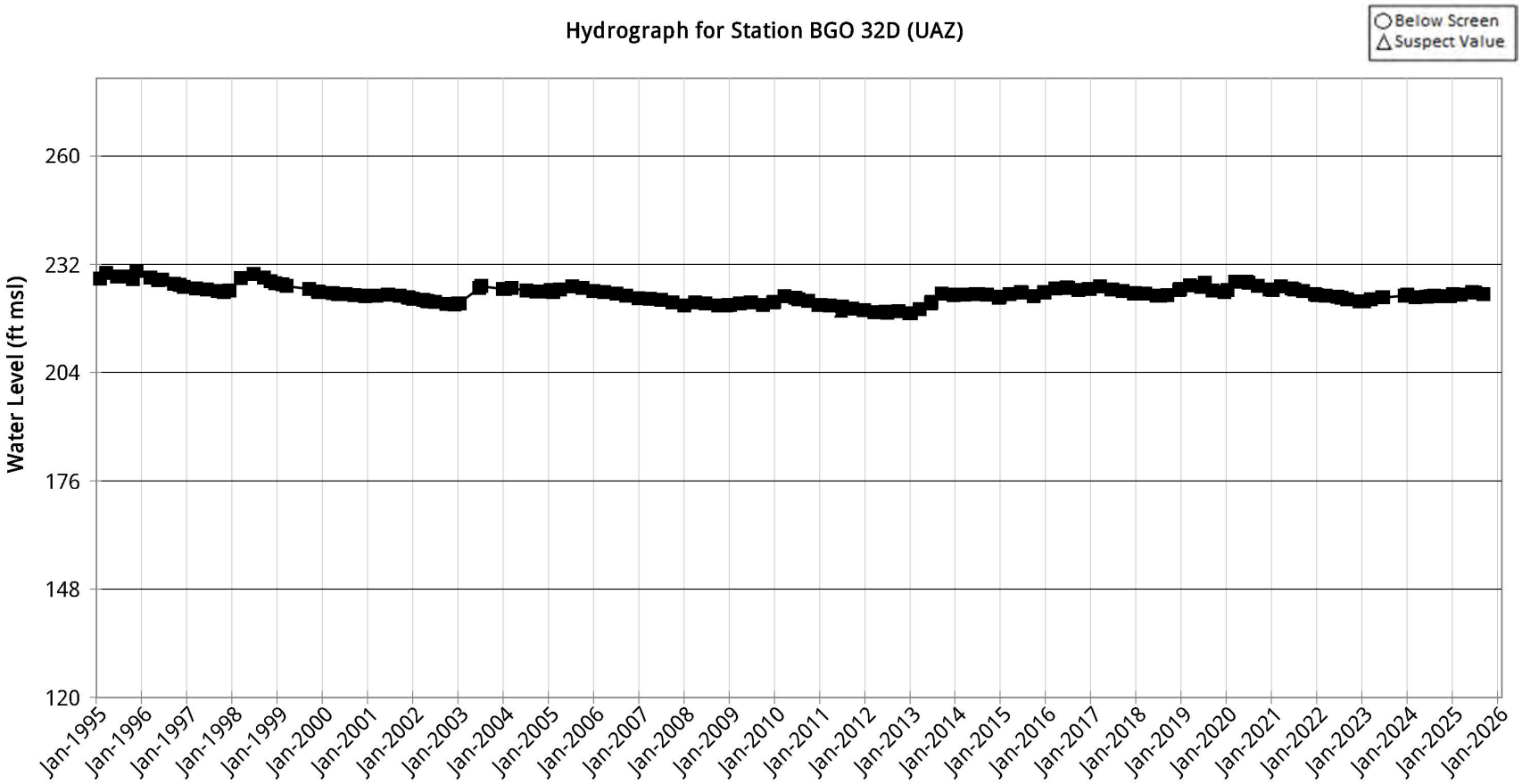
BGO 31D (UAZ)
BGO 31C (LAZ)


Hydrograph for Station BGO 32D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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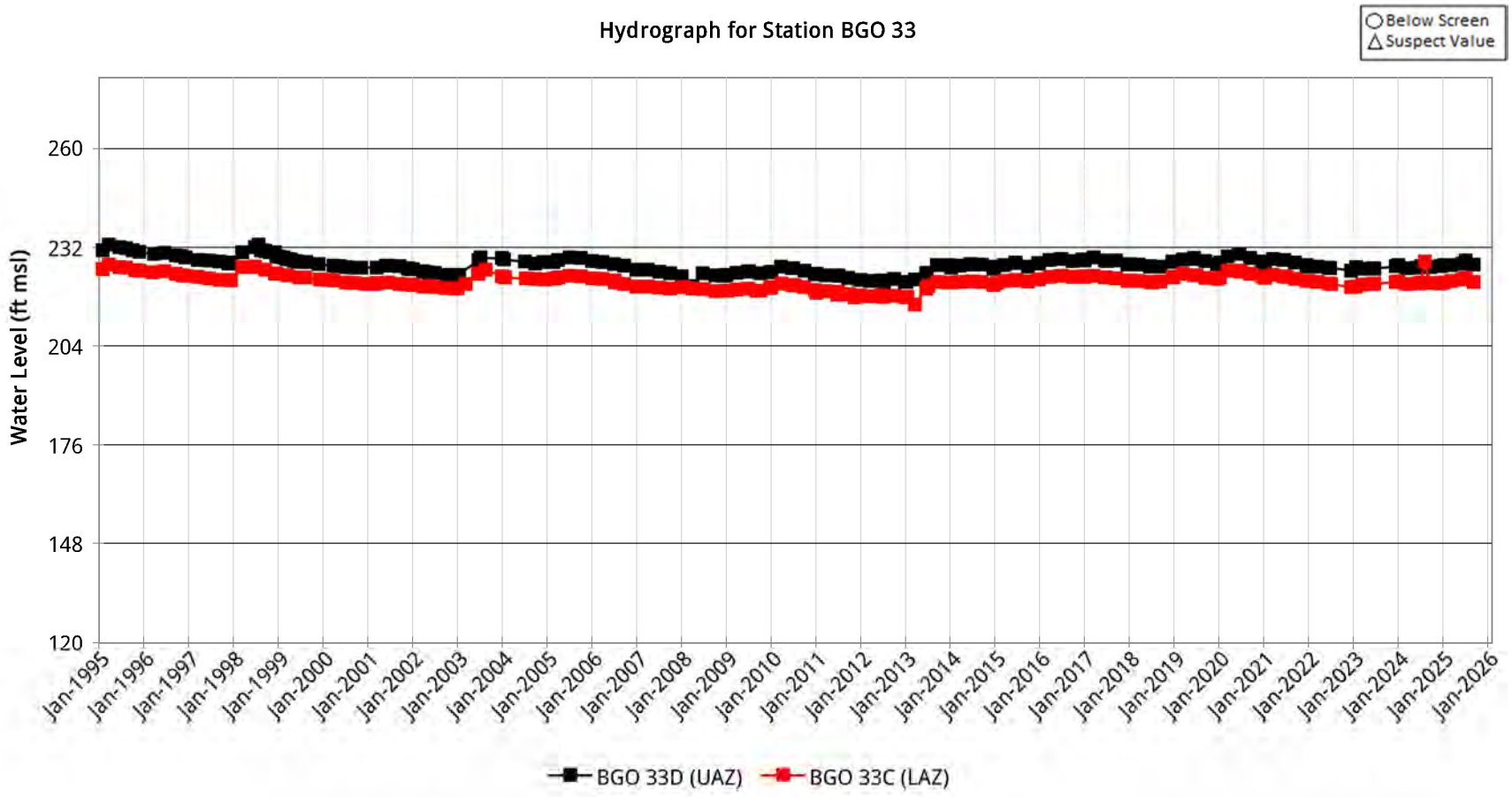
Hydrograph for Station BGO 33
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Suspect Value
Water Level (ft msl)
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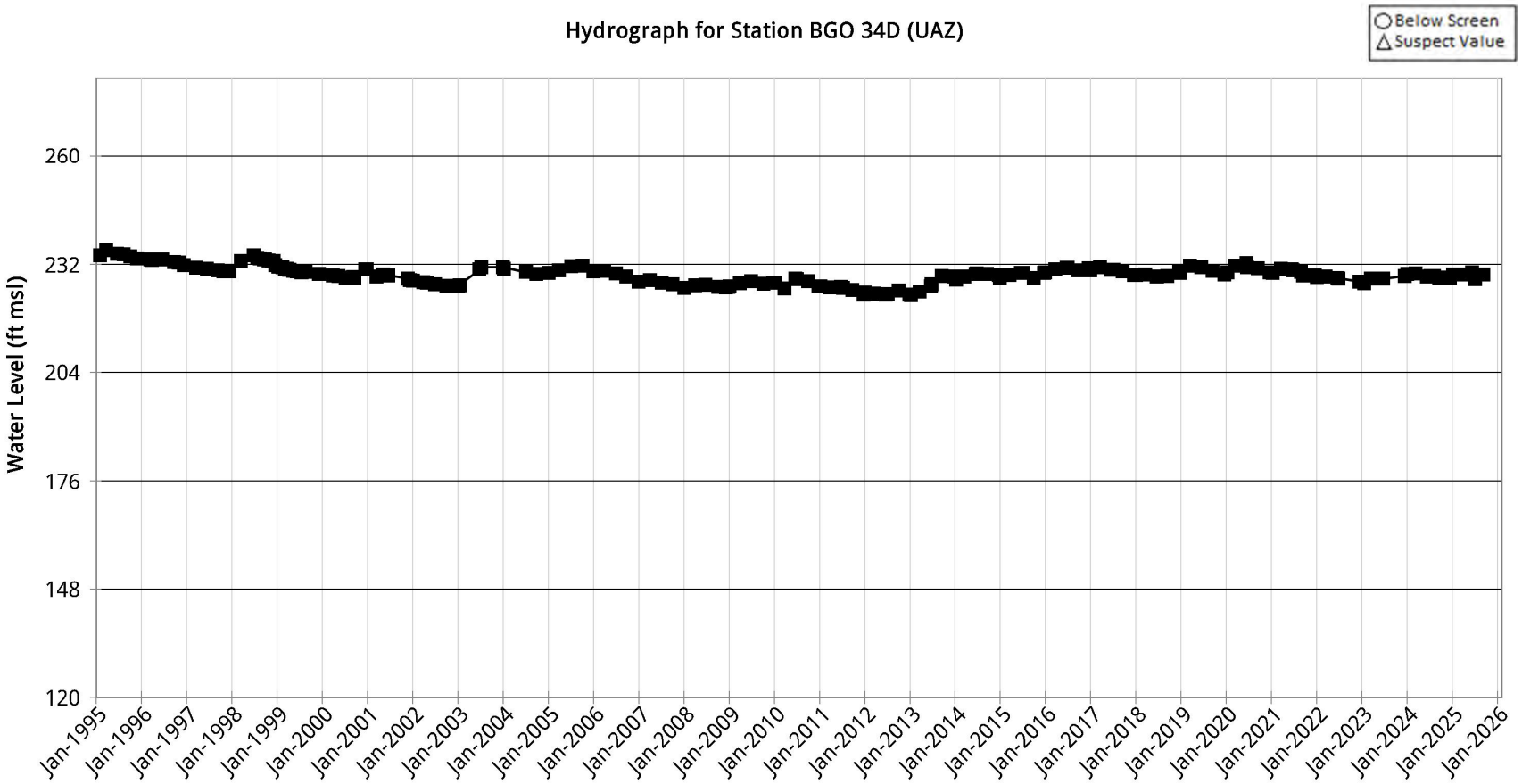
BGO 33D (UAZ)
BGO 33C (LAZ)


Hydrograph for Station BGO 34D (UAZ)
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Suspect Value
Water Level (ft msl)
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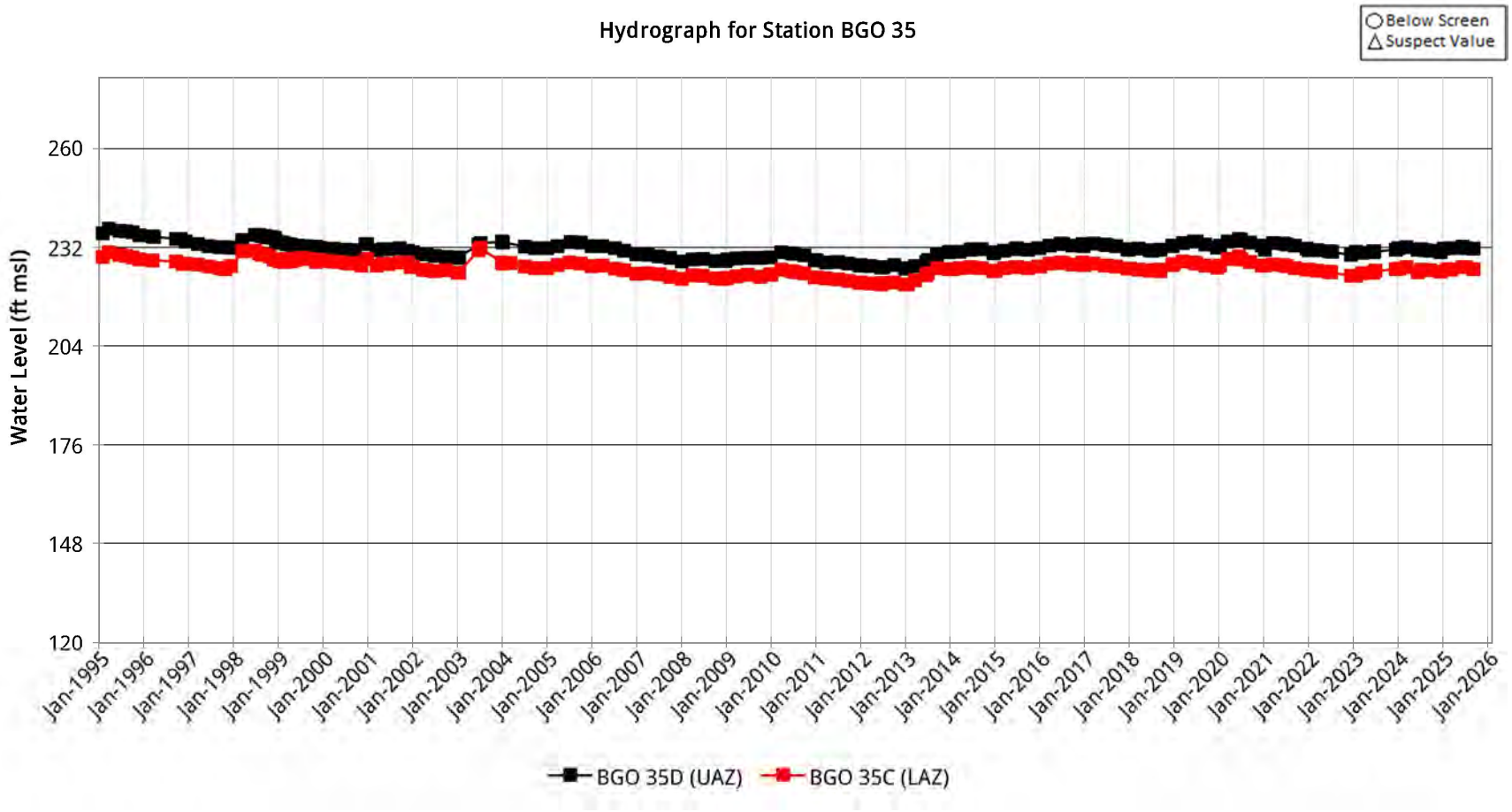
Hydrograph for Station BGO 35
Below Screen
Suspect Value
Water Level (ft msl)
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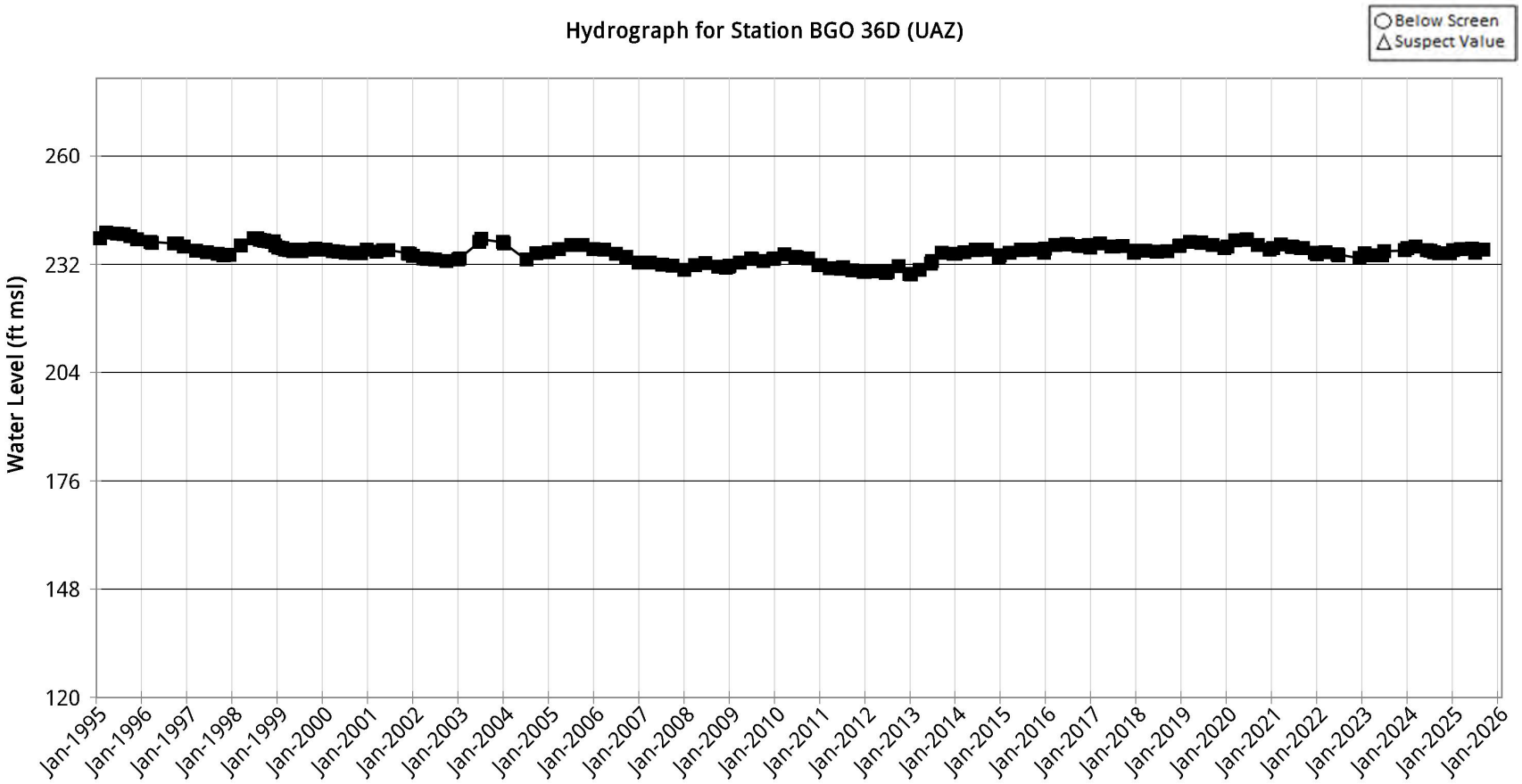
BGO 35D (UAZ)
BGO 35C (LAZ)


Hydrograph for Station BGO 36D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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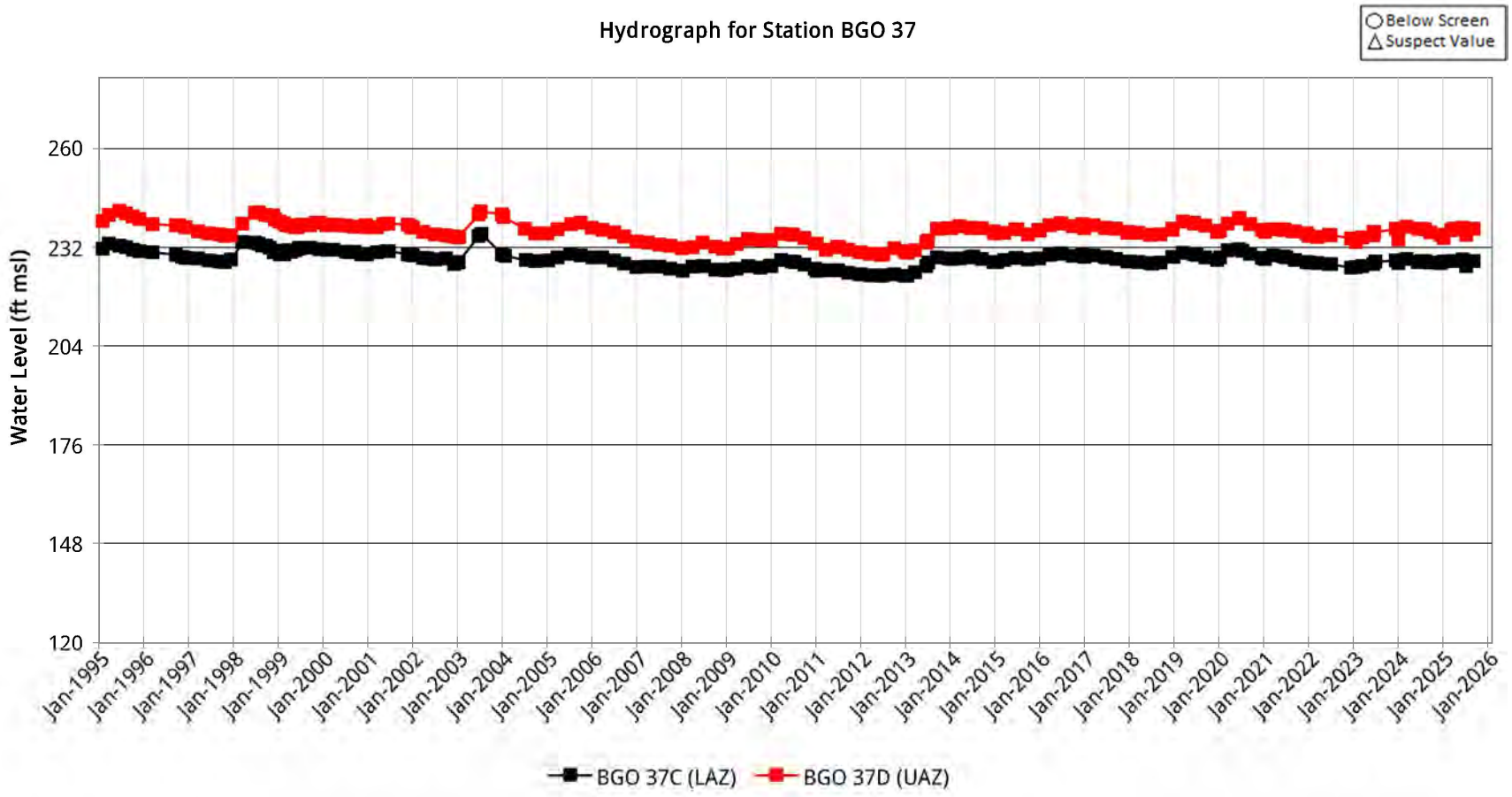
Hydrograph for Station BGO 37
Below Screen
Suspect Value
Water Level (ft msl)
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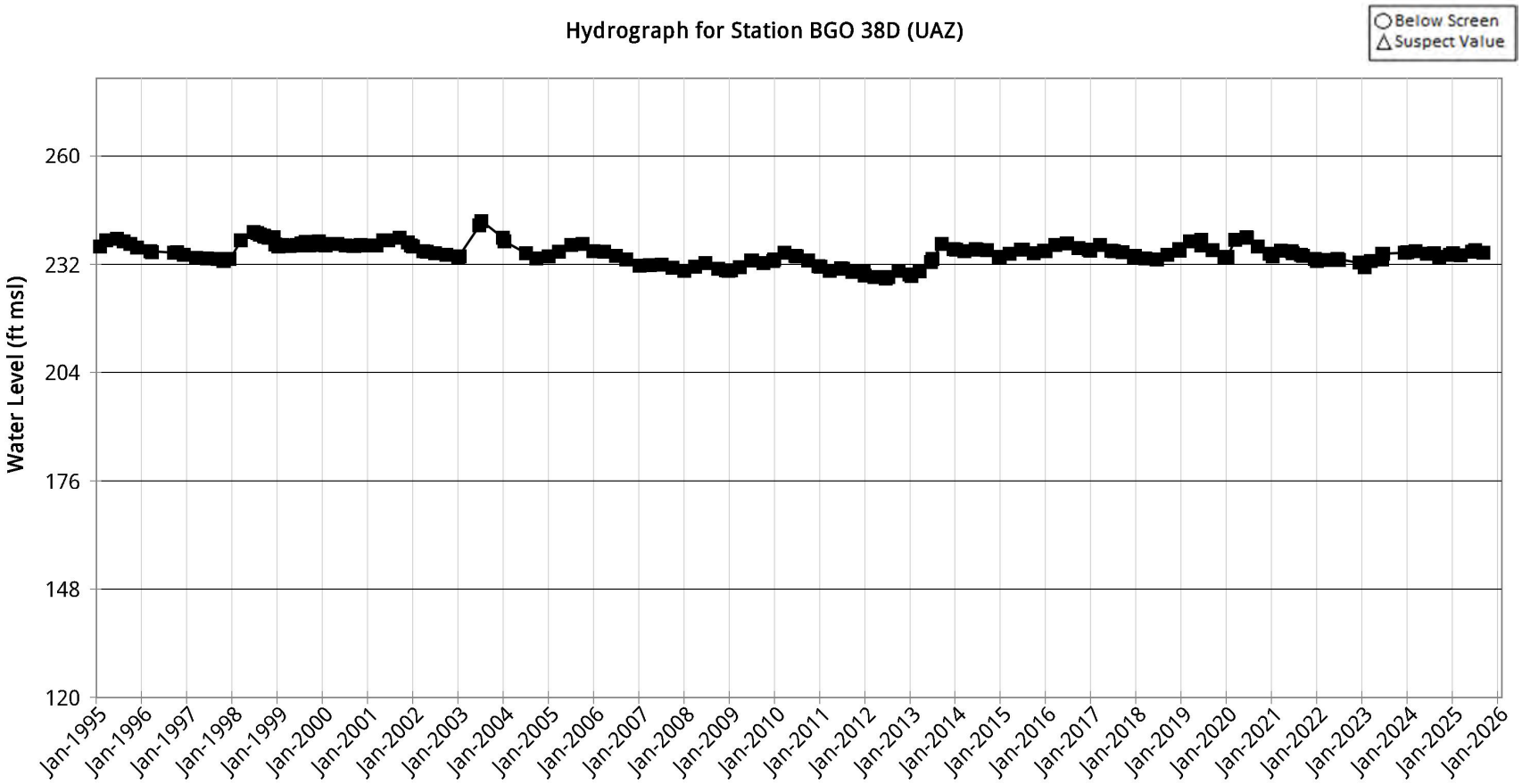
BGO 37C (LAZ)
BGO 37D (UAZ)


Hydrograph for Station BGO 38D (UAZ)
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Suspect Value
Water Level (ft msl)
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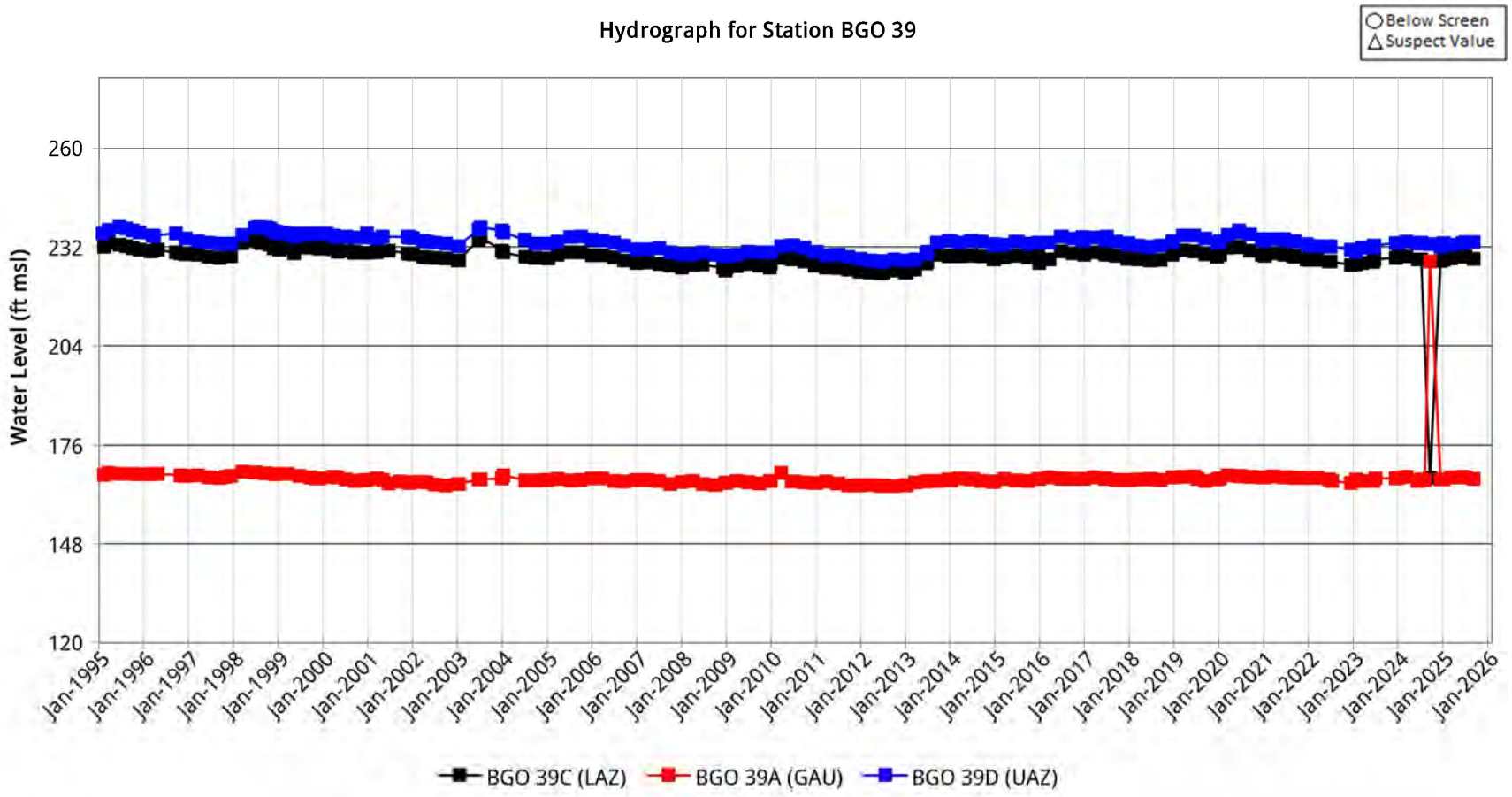
Hydrograph for Station BGO 39
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Suspect Value
Water Level (ft msl)
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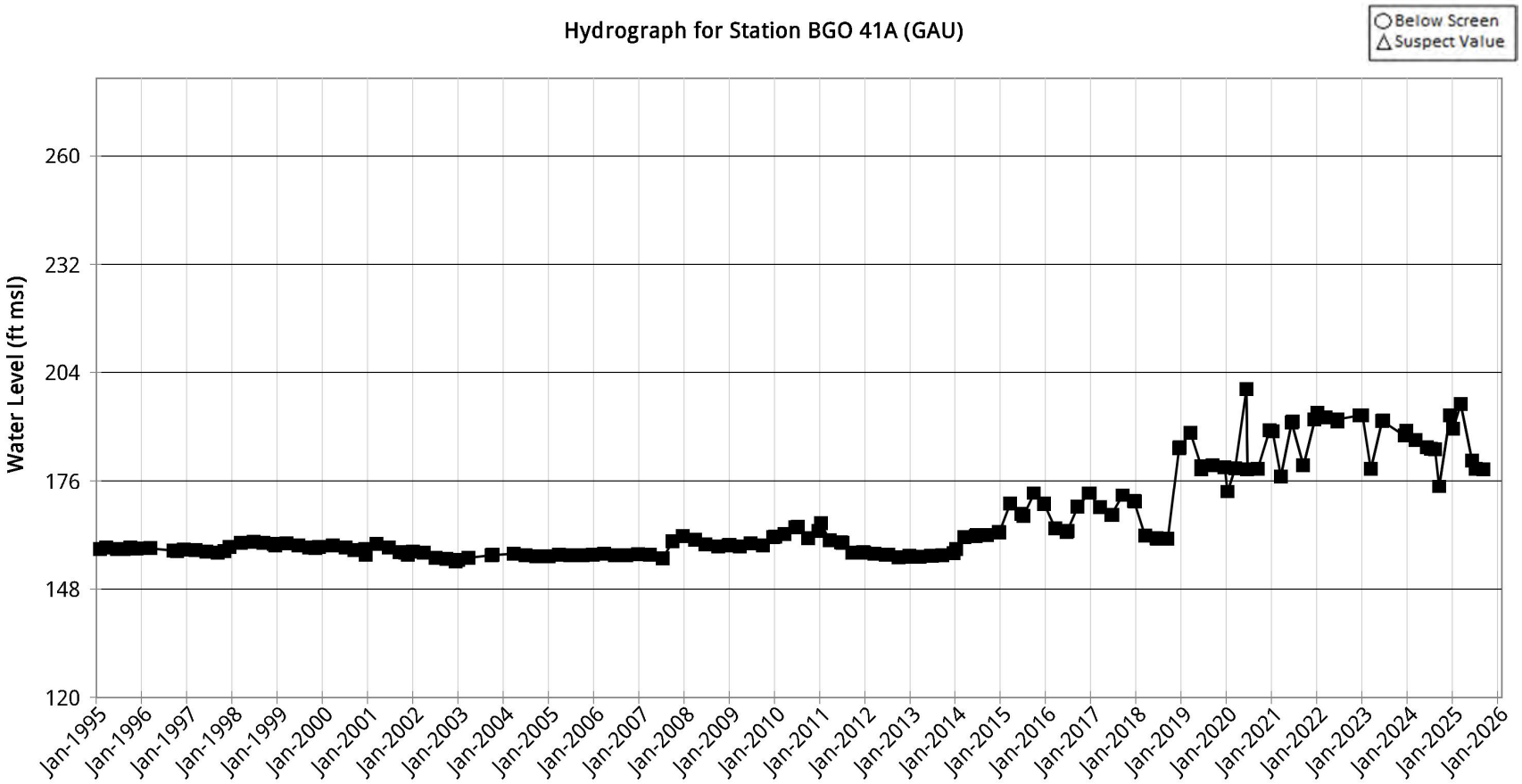
Jan-2026
BGO 39C (LAZ)
BGO 39A (GAU)
BGO 39D (UAZ)


Hydrograph for Station BGO 41A (GAU)
Below Screen
Suspect Value
Water Level (ft msl)
260
232
204
176
148
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Jan-1995
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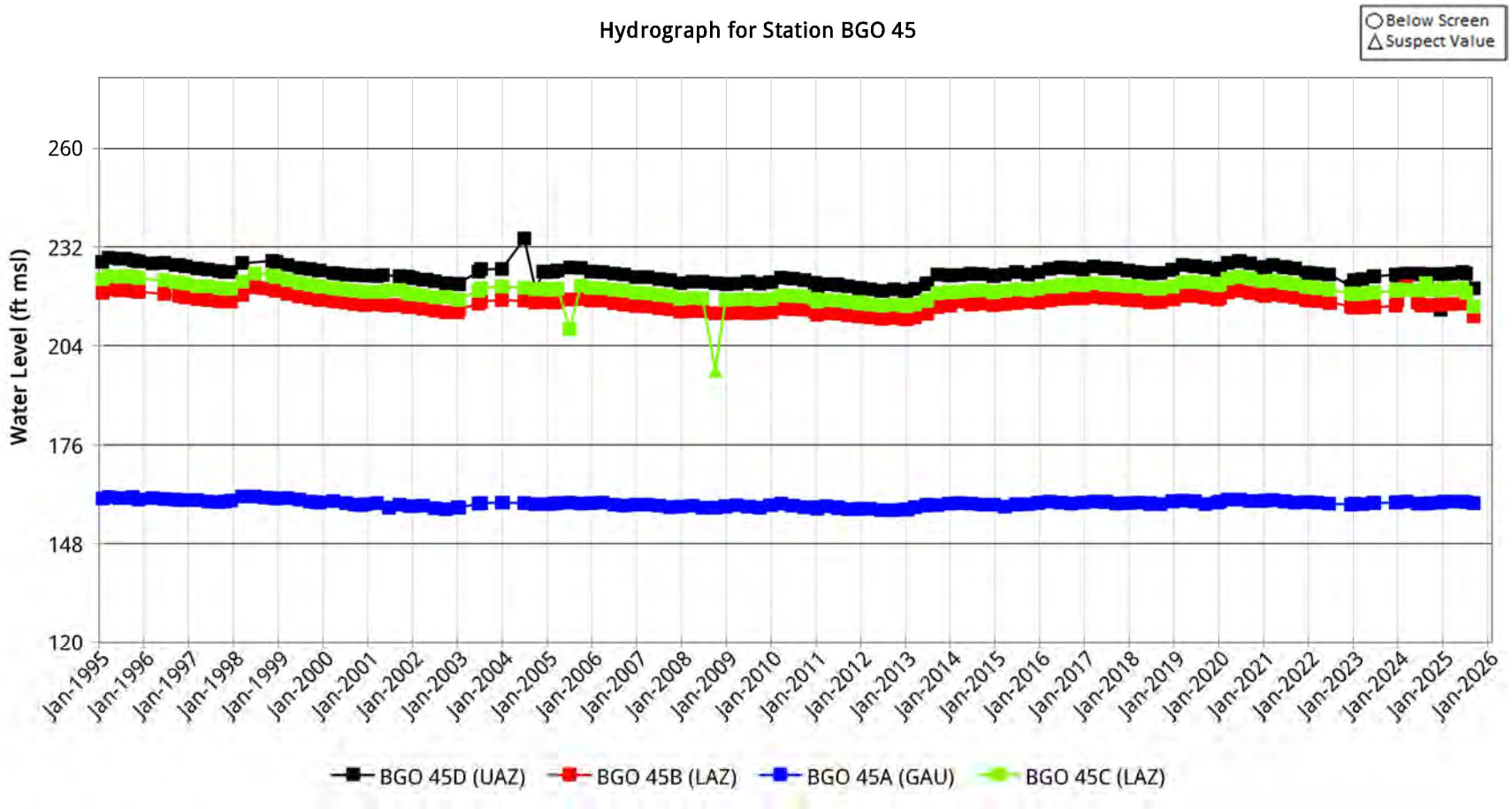
Hydrograph for Station BGO 45
Below Screen
Suspect Value
Water Level (ft msl)
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232
204
176
148
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Jan-1995
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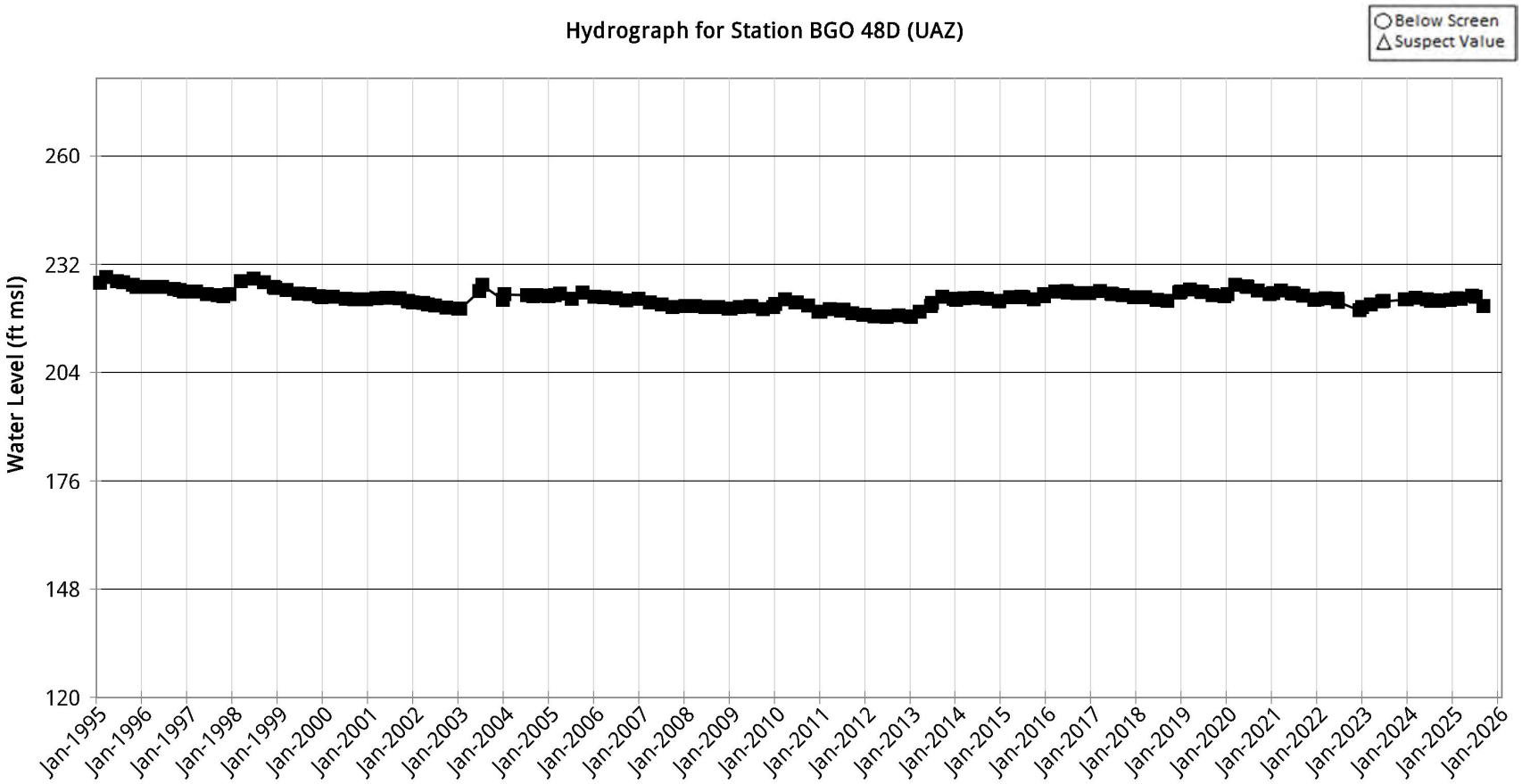
Jan-2026
BGO 45D (UAZ)
BGO 45B (LAZ)
BGO 45A (GAU)
BGO 45C (LAZ)


Hydrograph for Station BGO 48D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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232
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148
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Jan-1995
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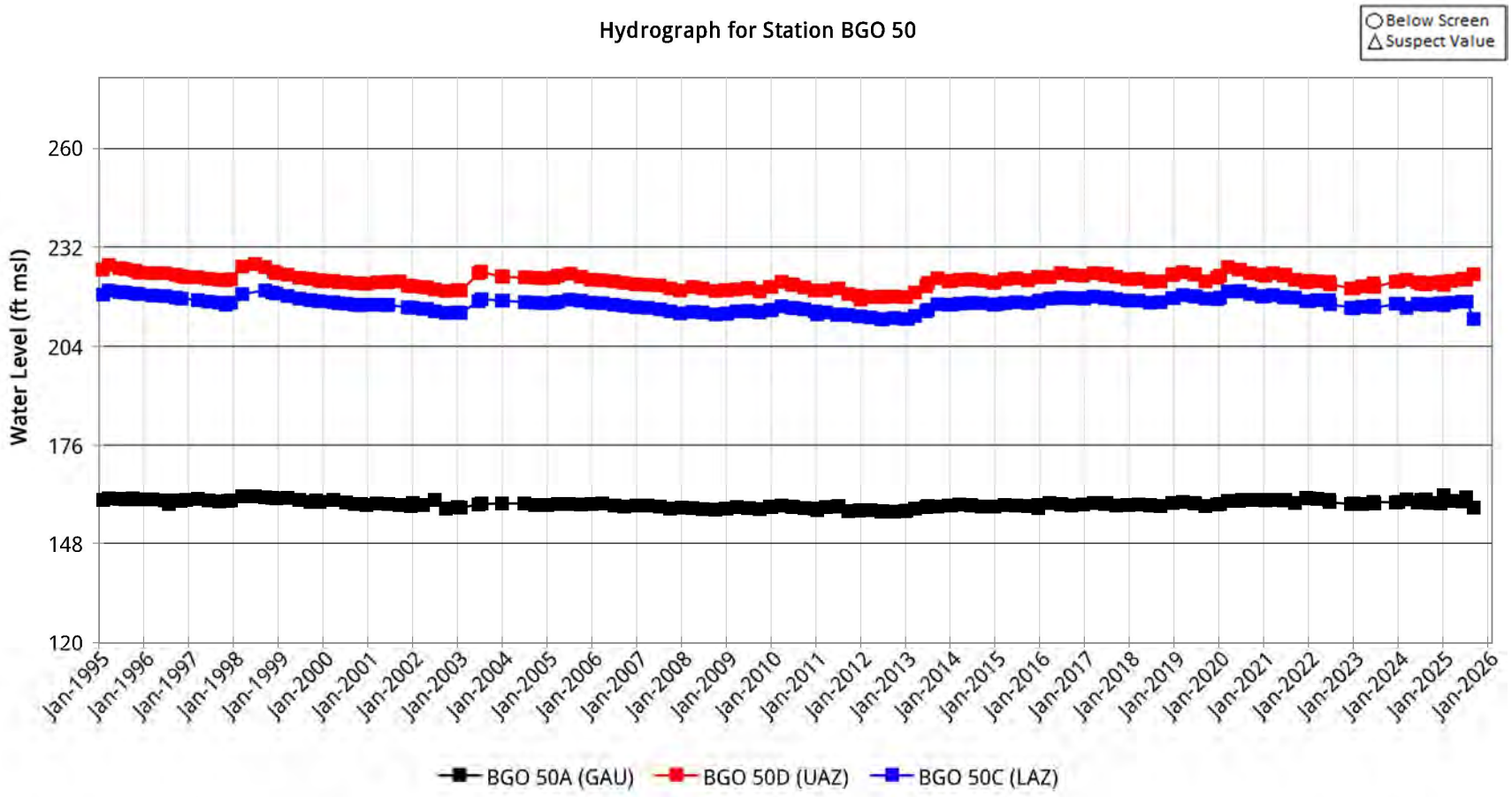
Hydrograph for Station BGO 50
Below Screen
Suspect Value
Water Level (ft msl)
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204
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Jan-1995
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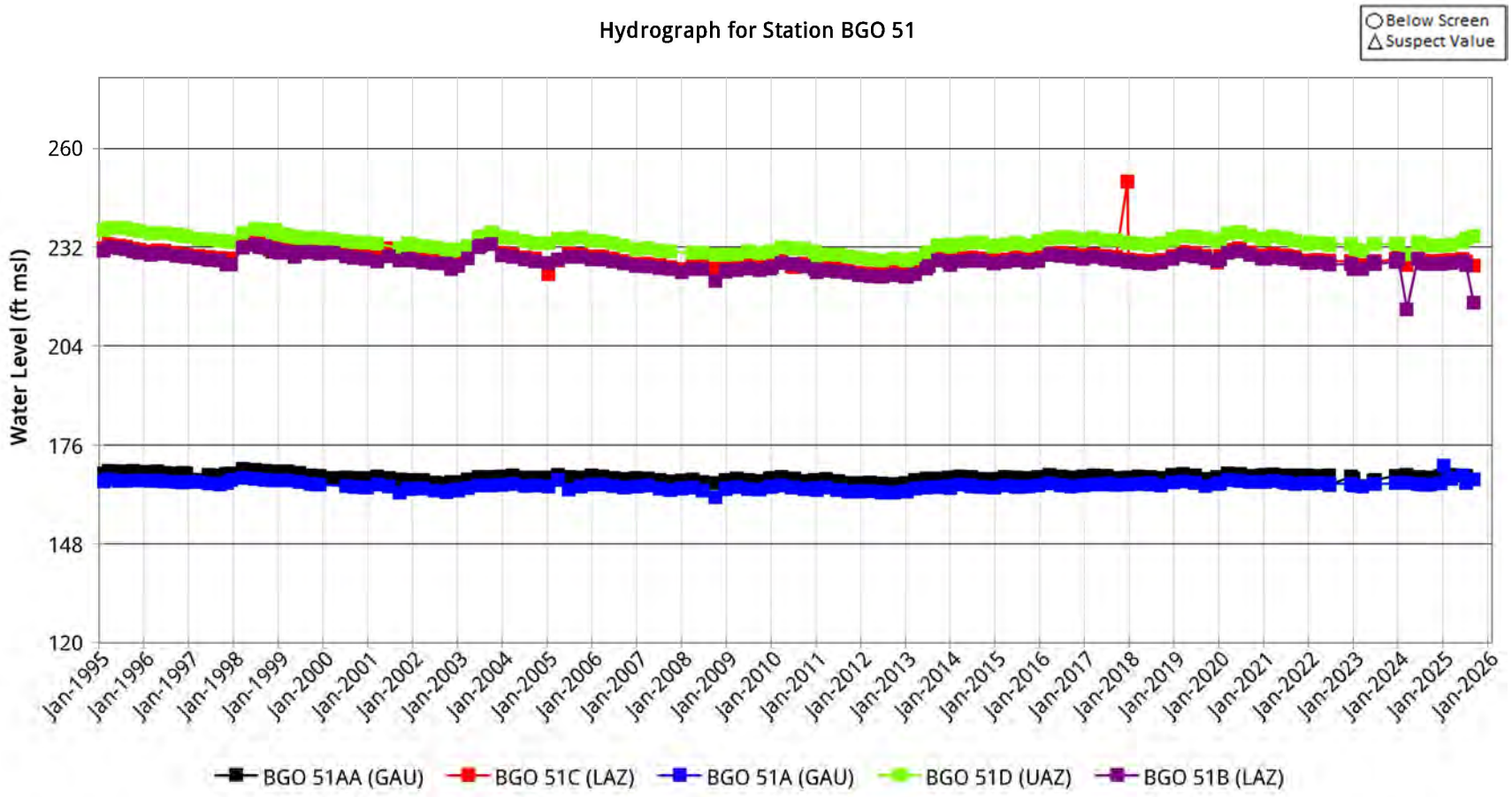
Jan-2026
BGO 50A (GAU)
BGO 50D (UAZ)
BGO 50C (LAZ)


Hydrograph for Station BGO 51
Below Screen
Suspect Value
Water Level (ft msl)
260
232
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148
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Jan-1995
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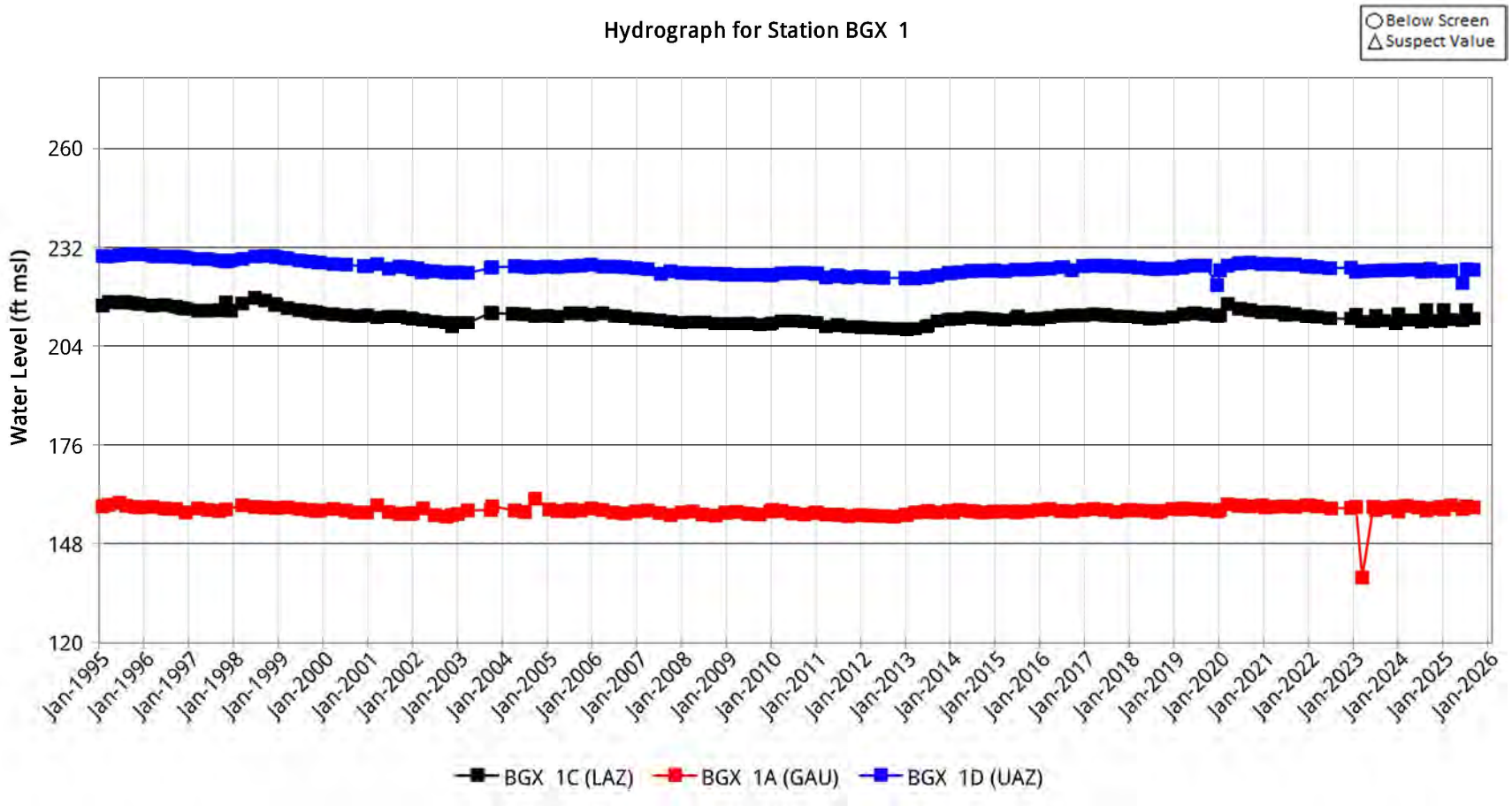
BGO 51AA (GAU)
BGO 51C (LAZ)
BGO 51A (GAU)
BGO 51D (UAZ)
BGO 51B (LAZ)


Hydrograph for Station BGX 1
Below Screen
Suspect Value
Water Level (ft msl)
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Jan-1995
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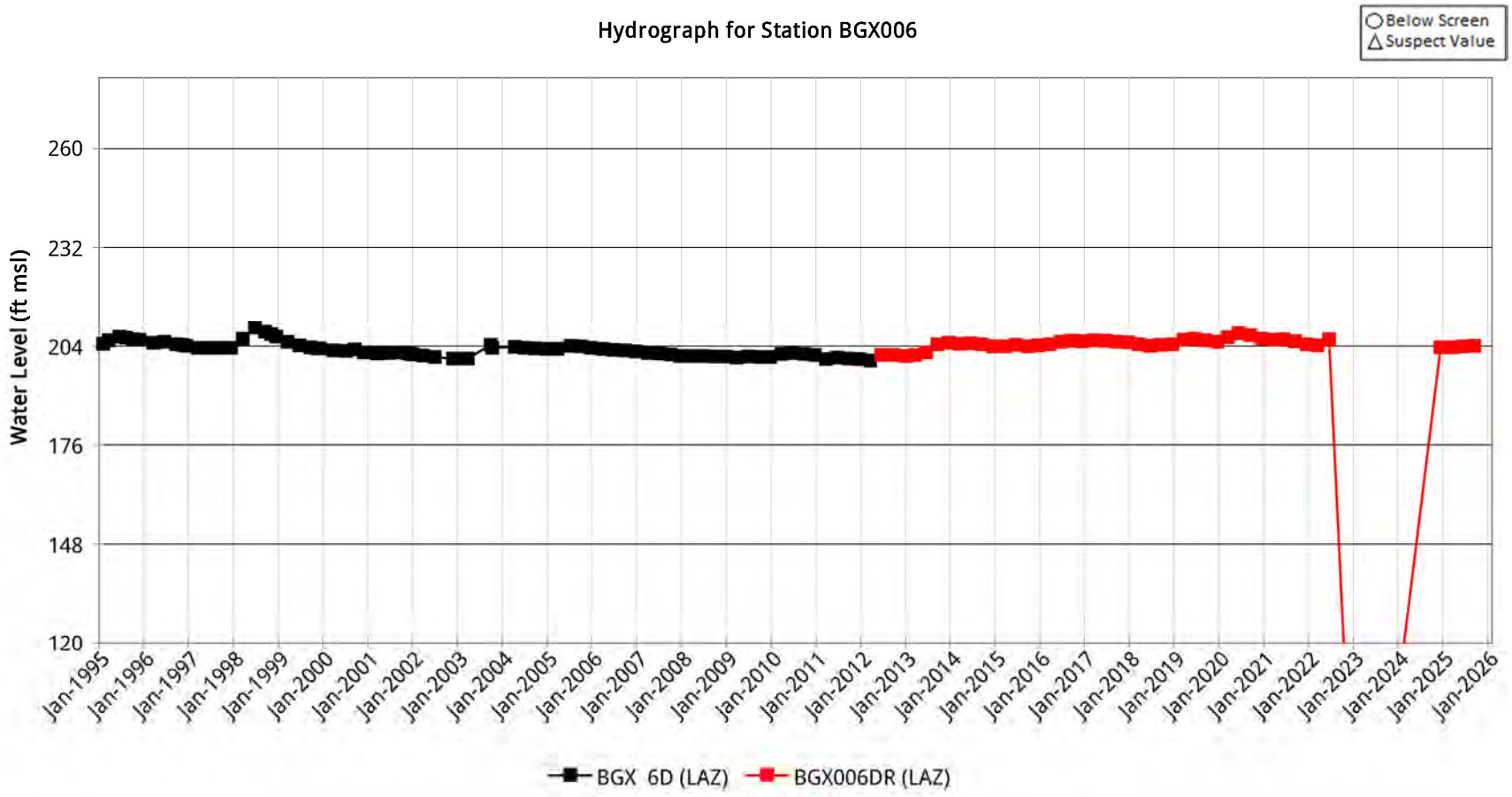
Jan-2026
BGX 1C (LAZ)
BGX 1A (GAU)
BGX 1D (UAZ)


Hydrograph for Station BGX006
Below Screen
Suspect Value
Water Level (ft msl)
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Jan-1995
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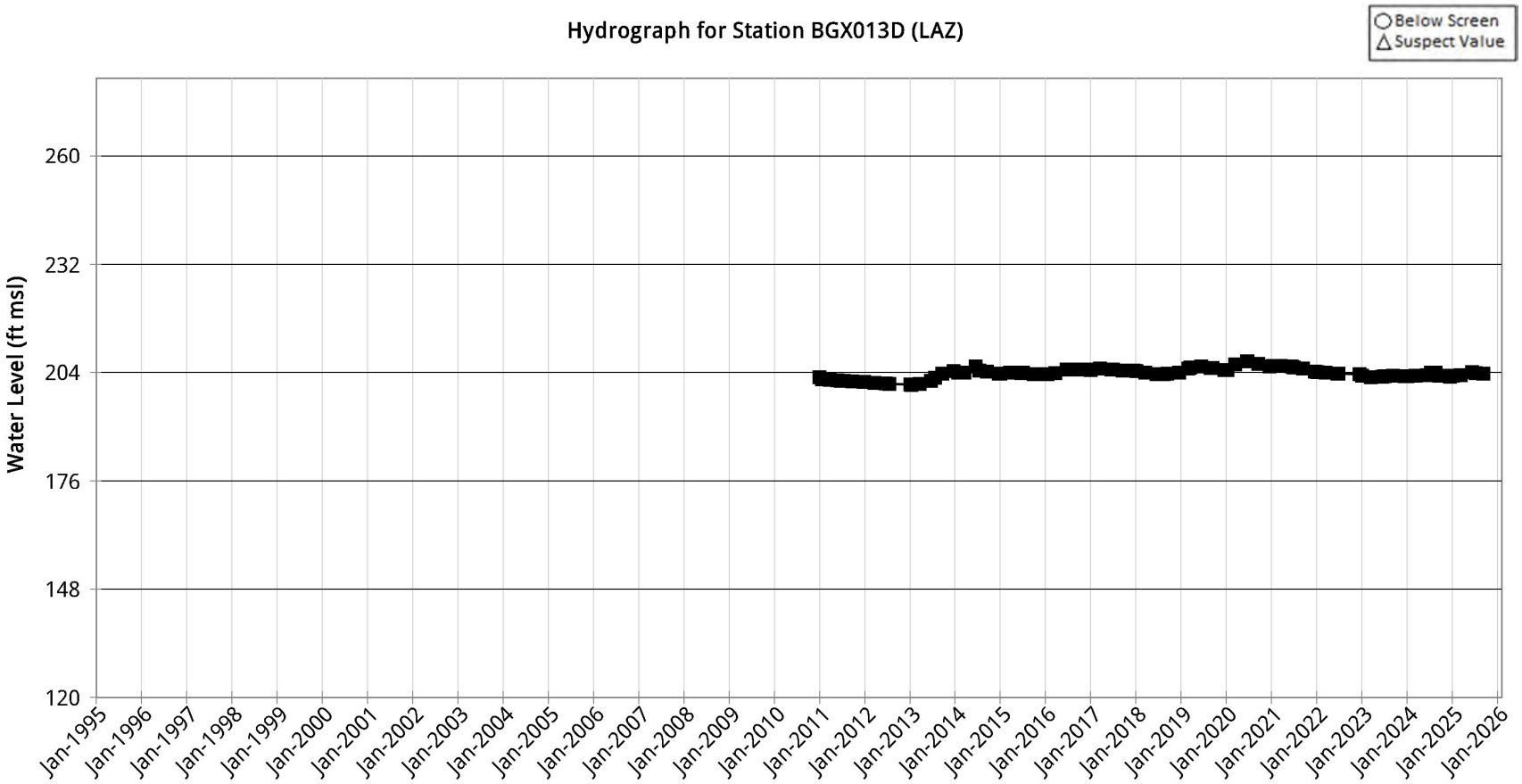
BGX 6D (LAZ)
BGX006DR (LAZ)


Hydrograph for Station BGX013D (LAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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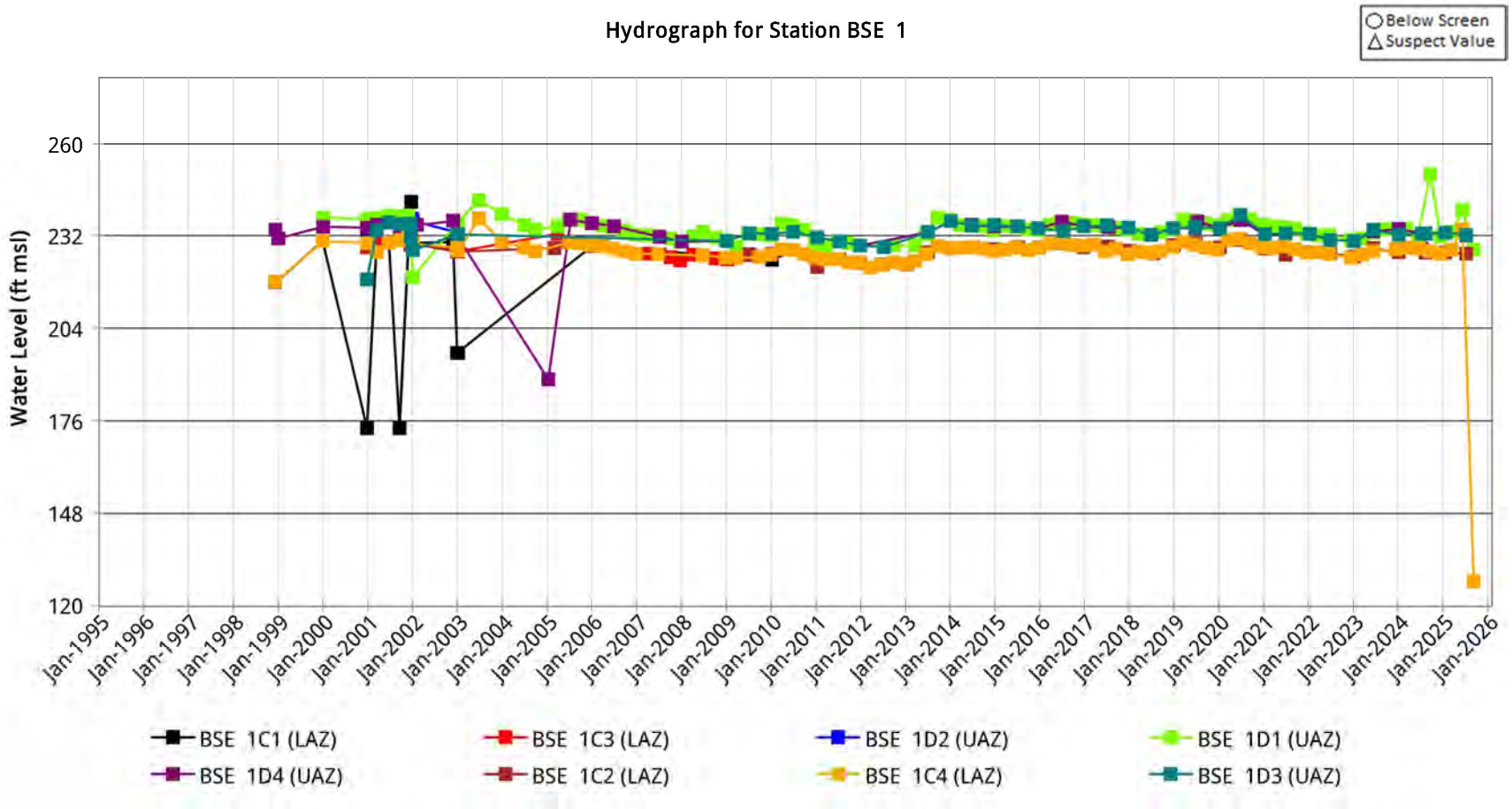
Hydrograph for Station BSE 1
Below Screen
Suspect Value
Water Level (ft msl)
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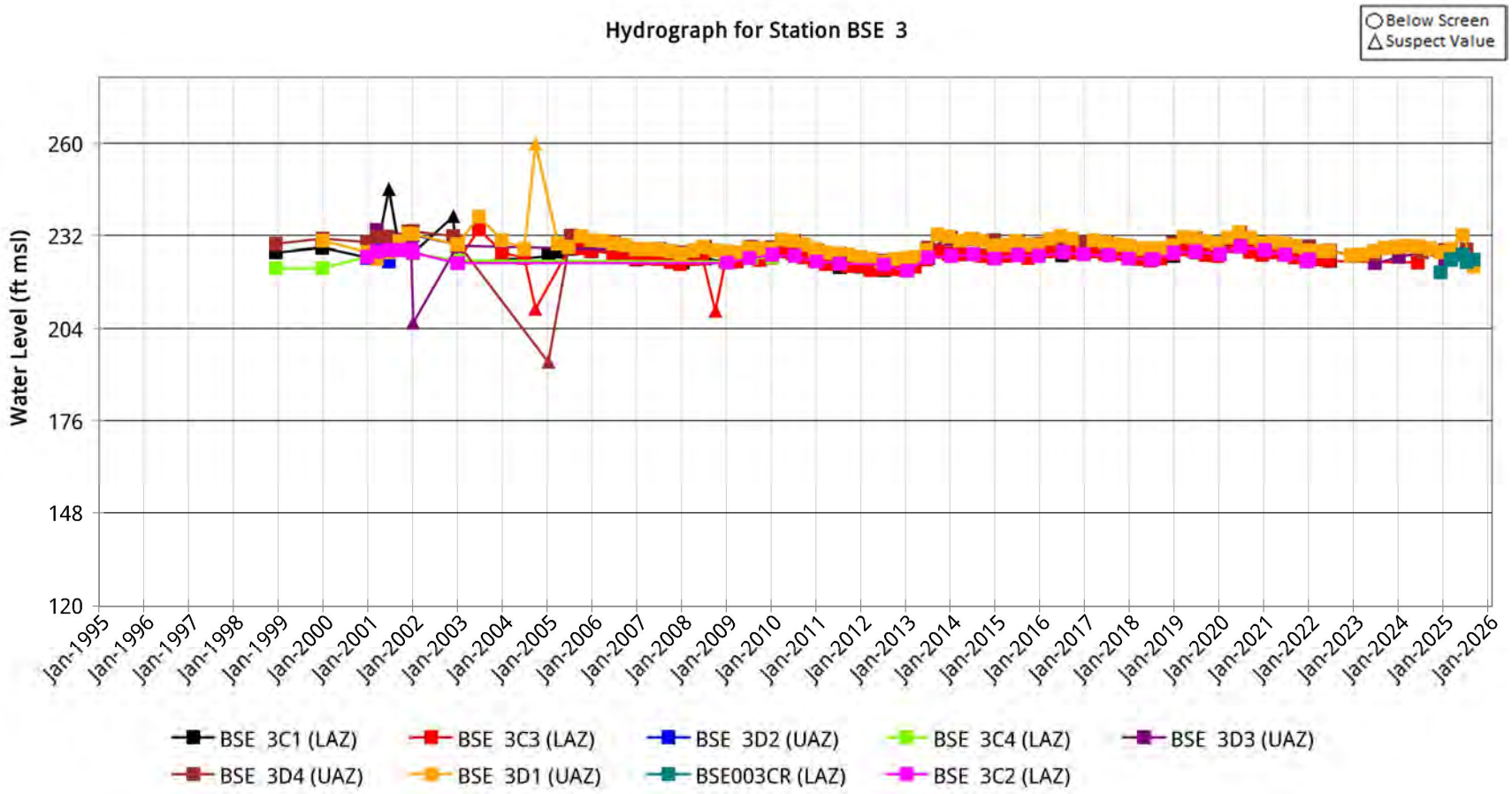
Jan-2026
BSE 1C1 (LAZ)
BSE 1C3 (LAZ)
BSE 1D2 (UAZ)
BSE 1D1 (UAZ)
BSE 1D4 (UAZ)
BSE 1C2 (LAZ)
BSE 1C4 (LAZ)
BSE 1D3 (UAZ)


Hydrograph for Station BSE 3
Below Screen
Suspect Value
Water Level (ft msl)
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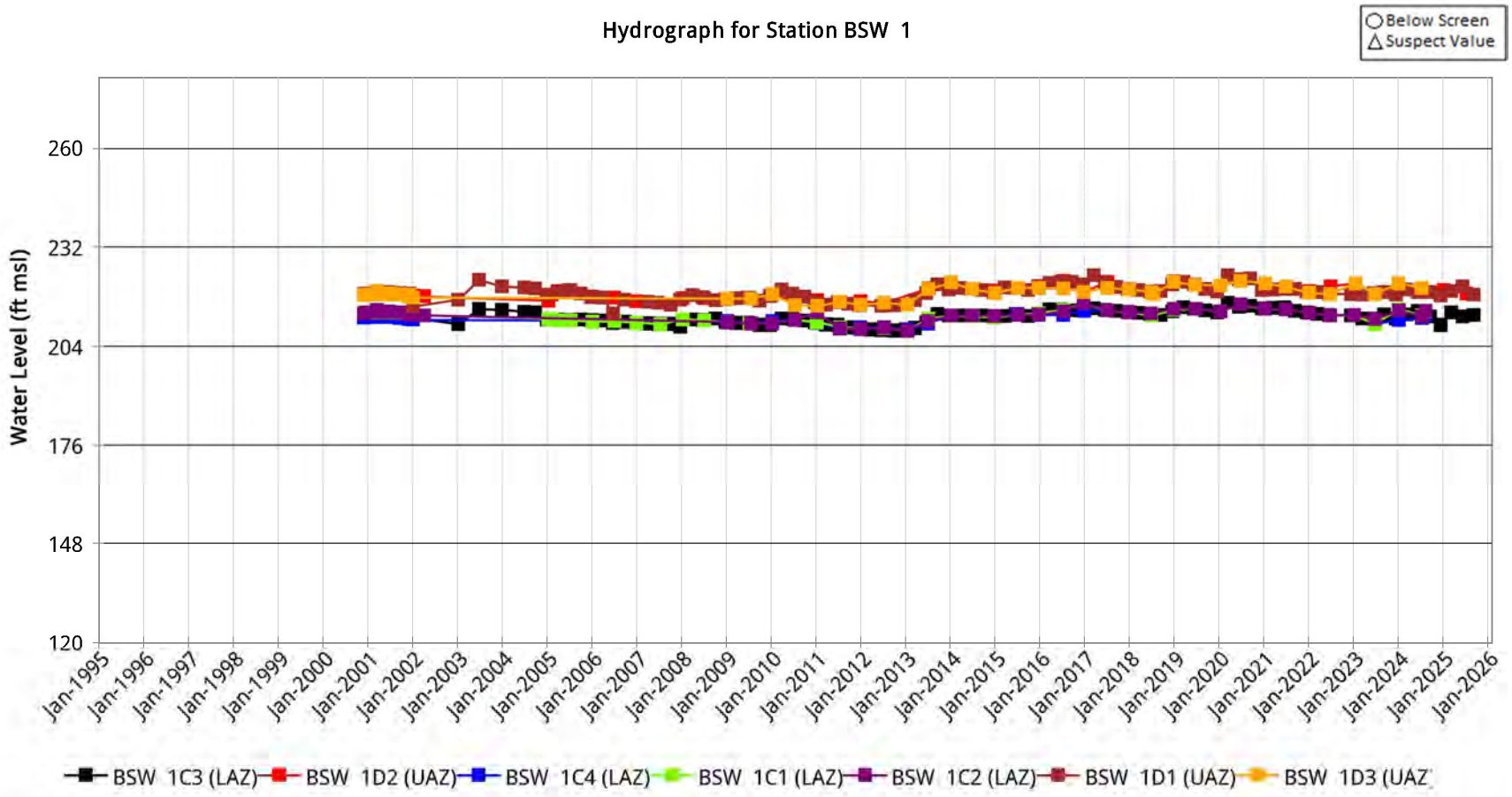
Jan-2026
BSE 3C1 (LAZ)
BSE 3C3 (LAZ)
BSE 3D2 (UAZ)
BSE 3C4 (LAZ)
BSE 3D3 (UAZ)
BSE 3D4 (UAZ)
BSE 3D1 (UAZ)
BSE003CR (LAZ)
BSE 3C2 (LAZ)


Hydrograph for Station BSW 1
Below Screen
Suspect Value
Water Level (ft msl)
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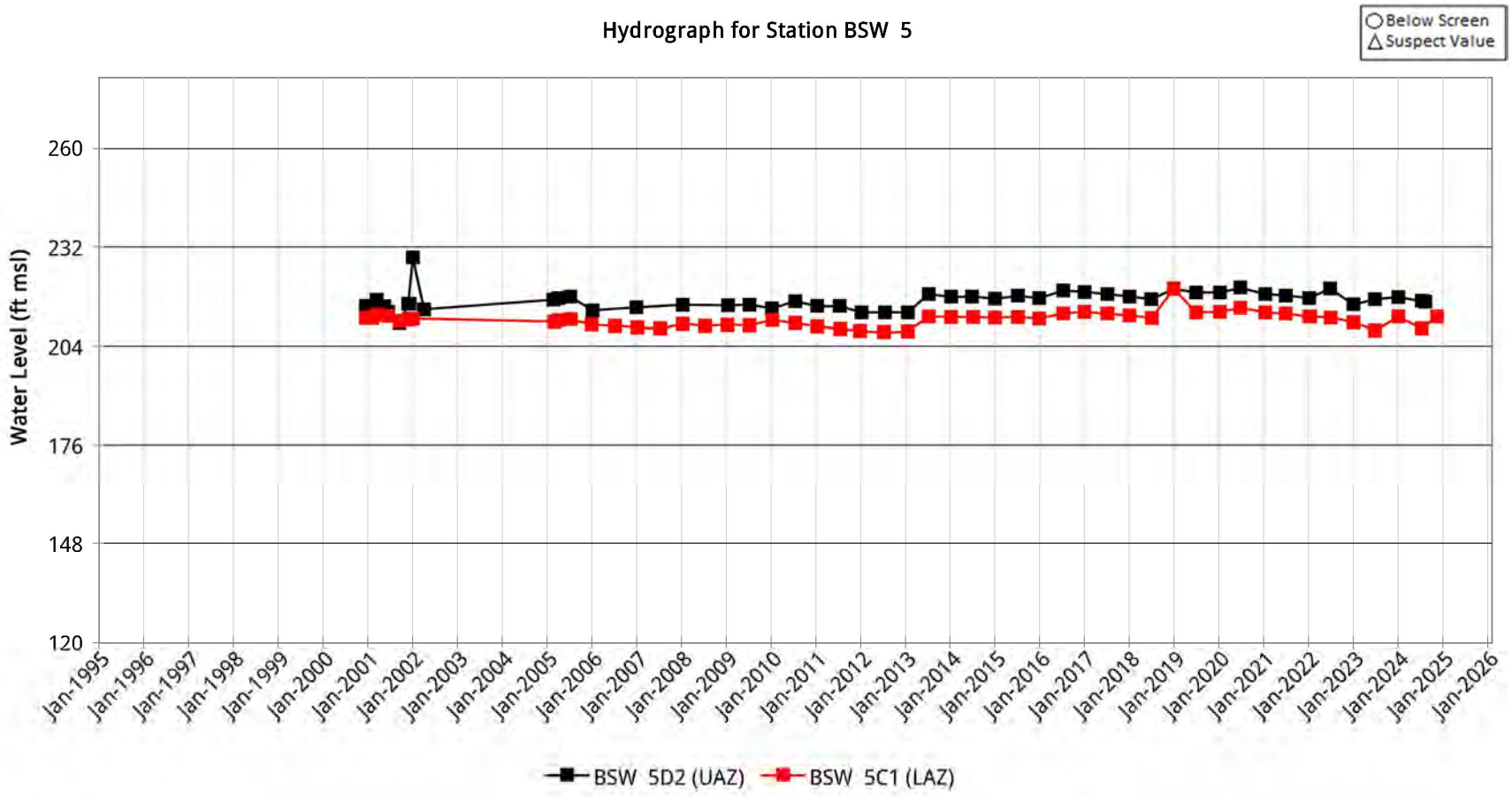
Jan-2026
BSW 1C3 (LAZ)
BSW 1D2 (UAZ)
BSW 1C4 (LAZ)
BSW 1C1 (LAZ)
BSW 1C2 (LAZ)
BSW 1D1 (UAZ)
BSW 1D3 (UAZ


Hydrograph for Station BSW 5
Below Screen
Suspect Value
Water Level (ft msl)
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232
204
176
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Jan-1995
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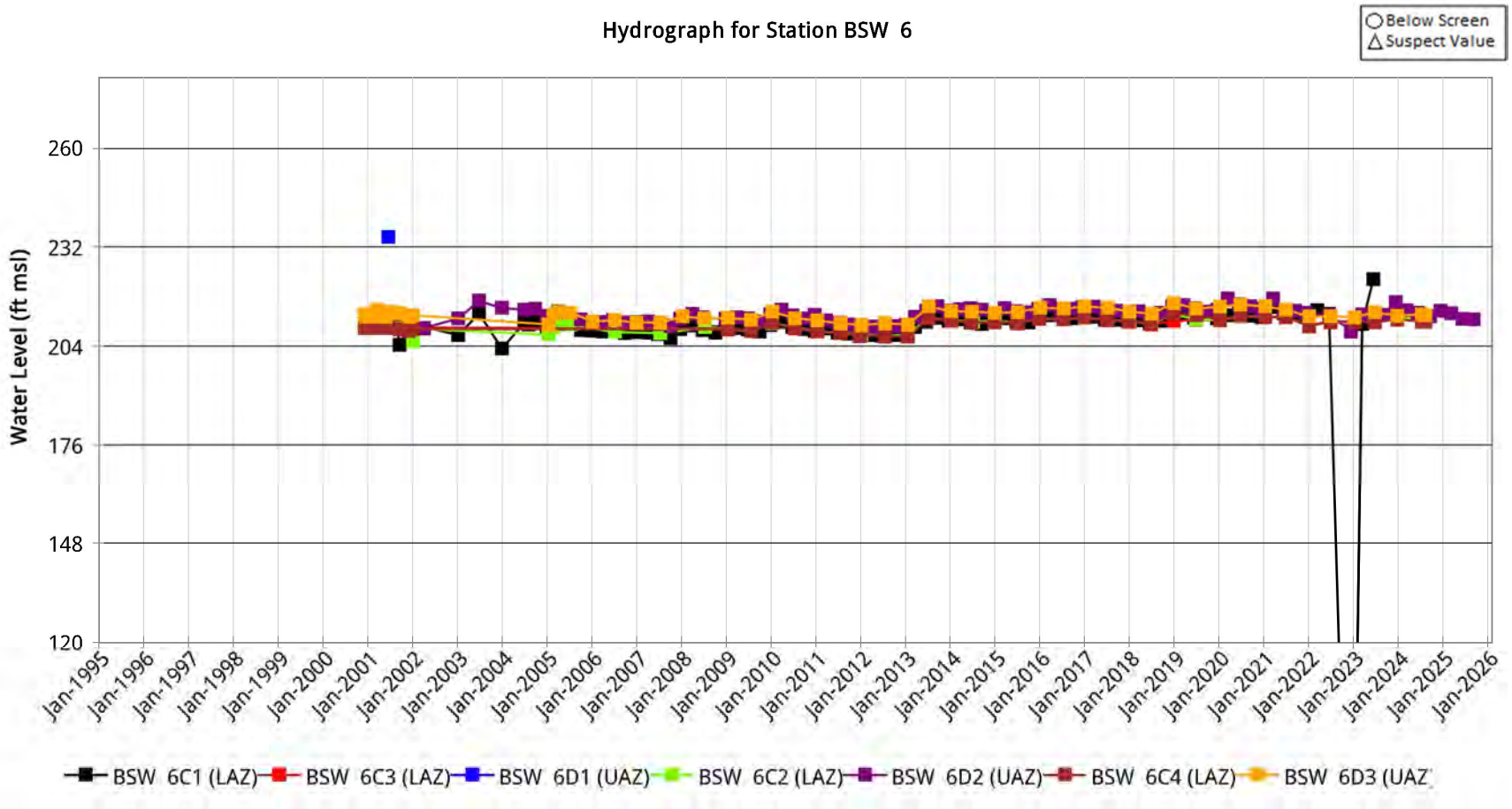
BSW 5D2 (UAZ)
BSW 5C1 (LAZ)


Hydrograph for Station BSW 6
Below Screen
Suspect Value
Water Level (ft msl)
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232
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Jan-1995
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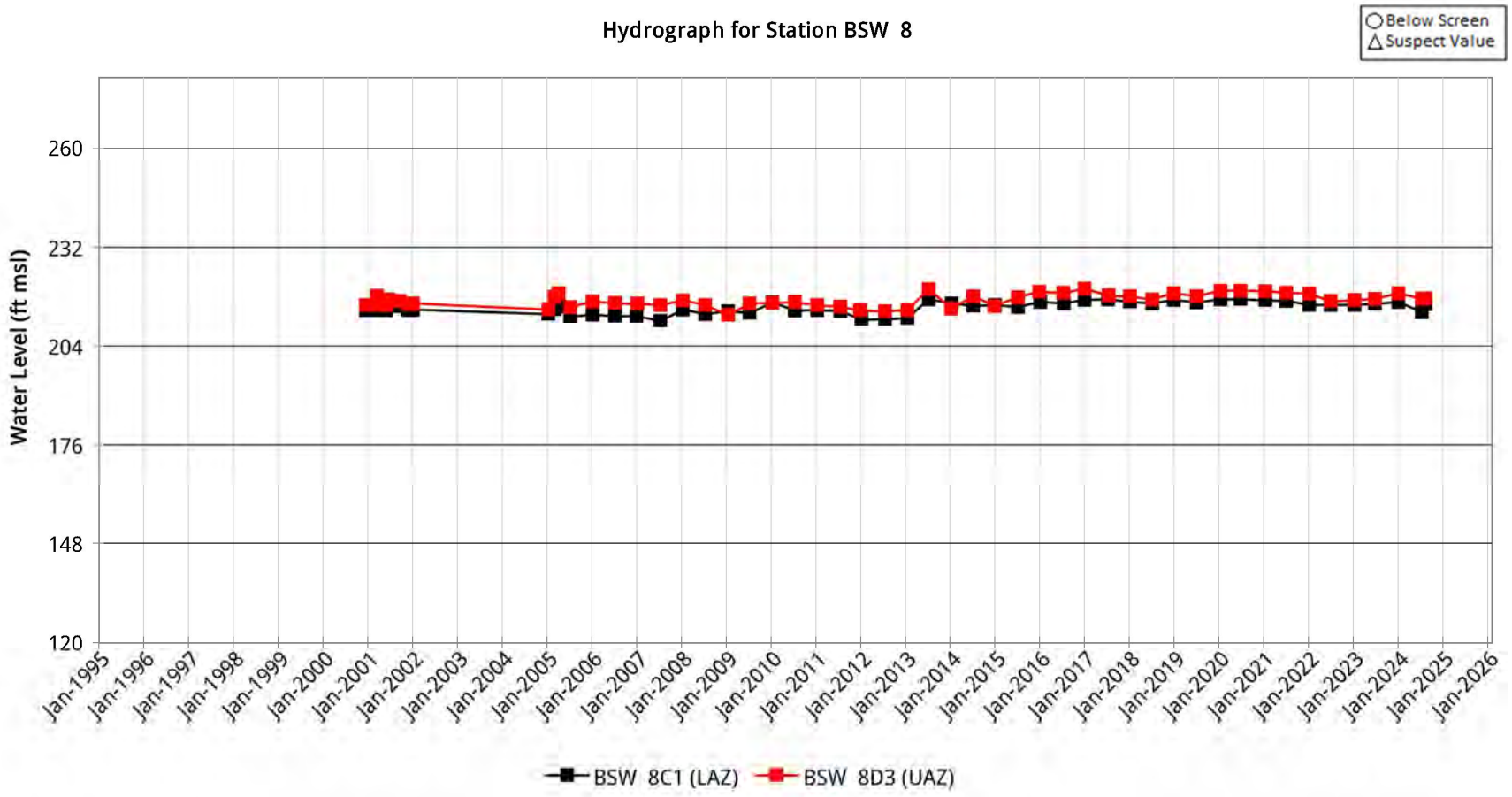
BSW 6C1 (LAZ)
BSW 6C3 (LAZ)
BSW 6D1 (UAZ)
BSW 6C2 (LAZ)
BSW 6D2 (UAZ)
BSW 6C4 (LAZ)
BSW 6D3 (UAZ


Hydrograph for Station BSW 8
Below Screen
Suspect Value
Water Level (ft msl)
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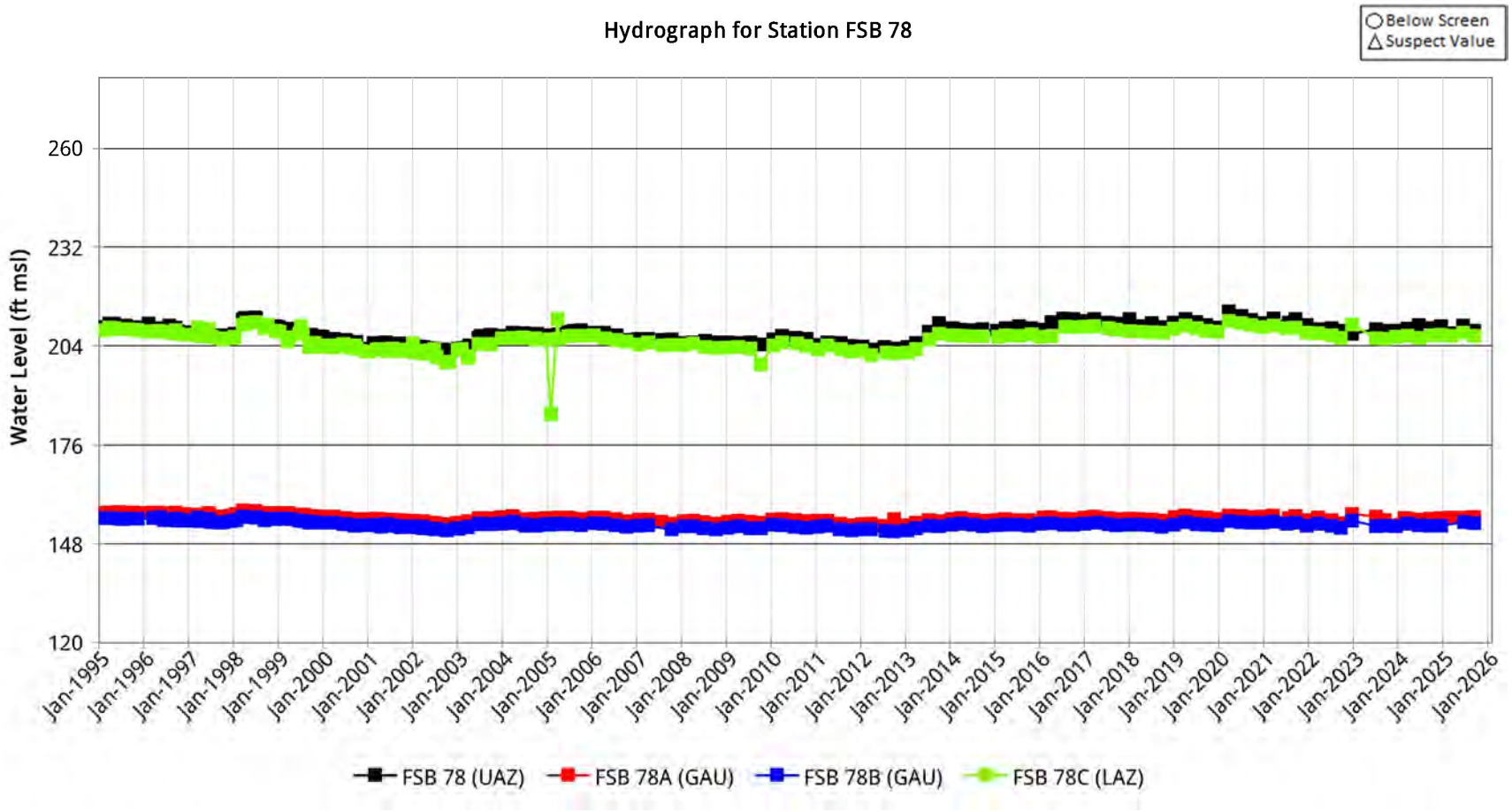
BSW 8C1 (LAZ)
BSW 8D3 (UAZ)


Hydrograph for Station FSB 78
Below Screen
Suspect Value
Water Level (ft msl)
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Jan-1995
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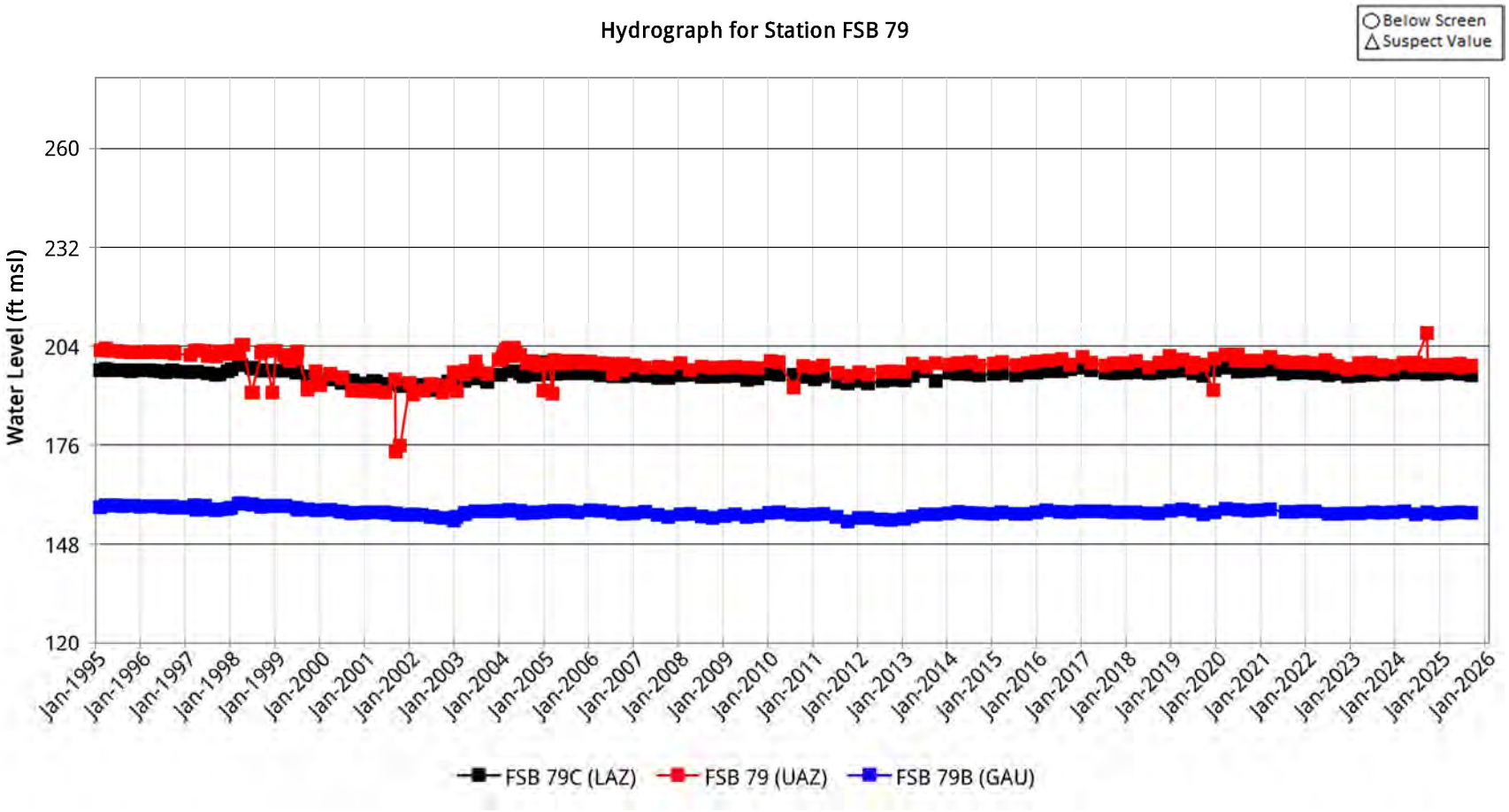
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)


Hydrograph for Station FSB 79
Below Screen
Suspect Value
Water Level (ft msl)
260
232
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Jan-1995
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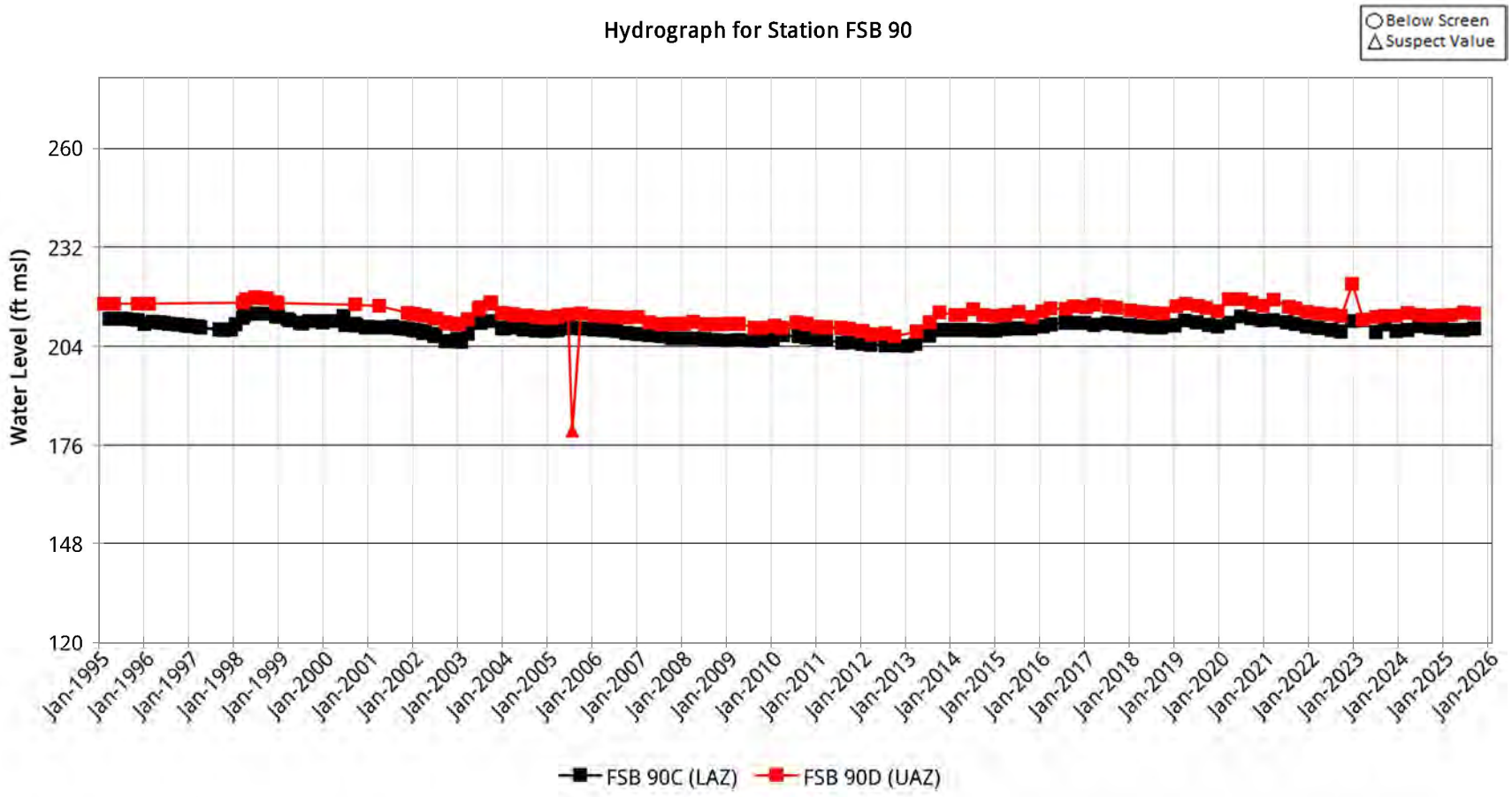
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)


Hydrograph for Station FSB 90
Below Screen
Suspect Value
Water Level (ft msl)
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232
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Jan-1995
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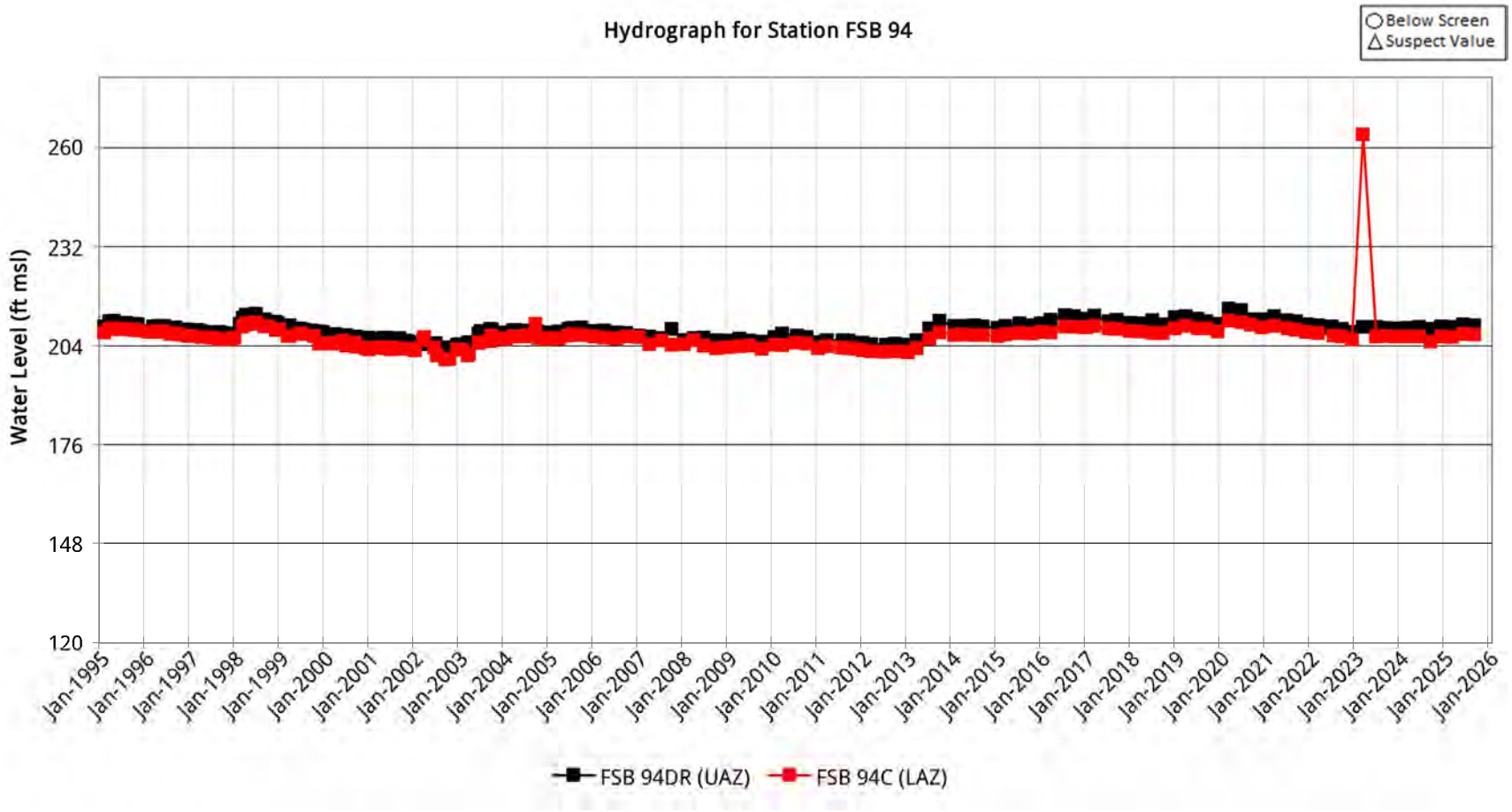
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)


Hydrograph for Station FSB 94
Below Screen
Suspect Value
Water Level (ft msl)
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232
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Jan-1995
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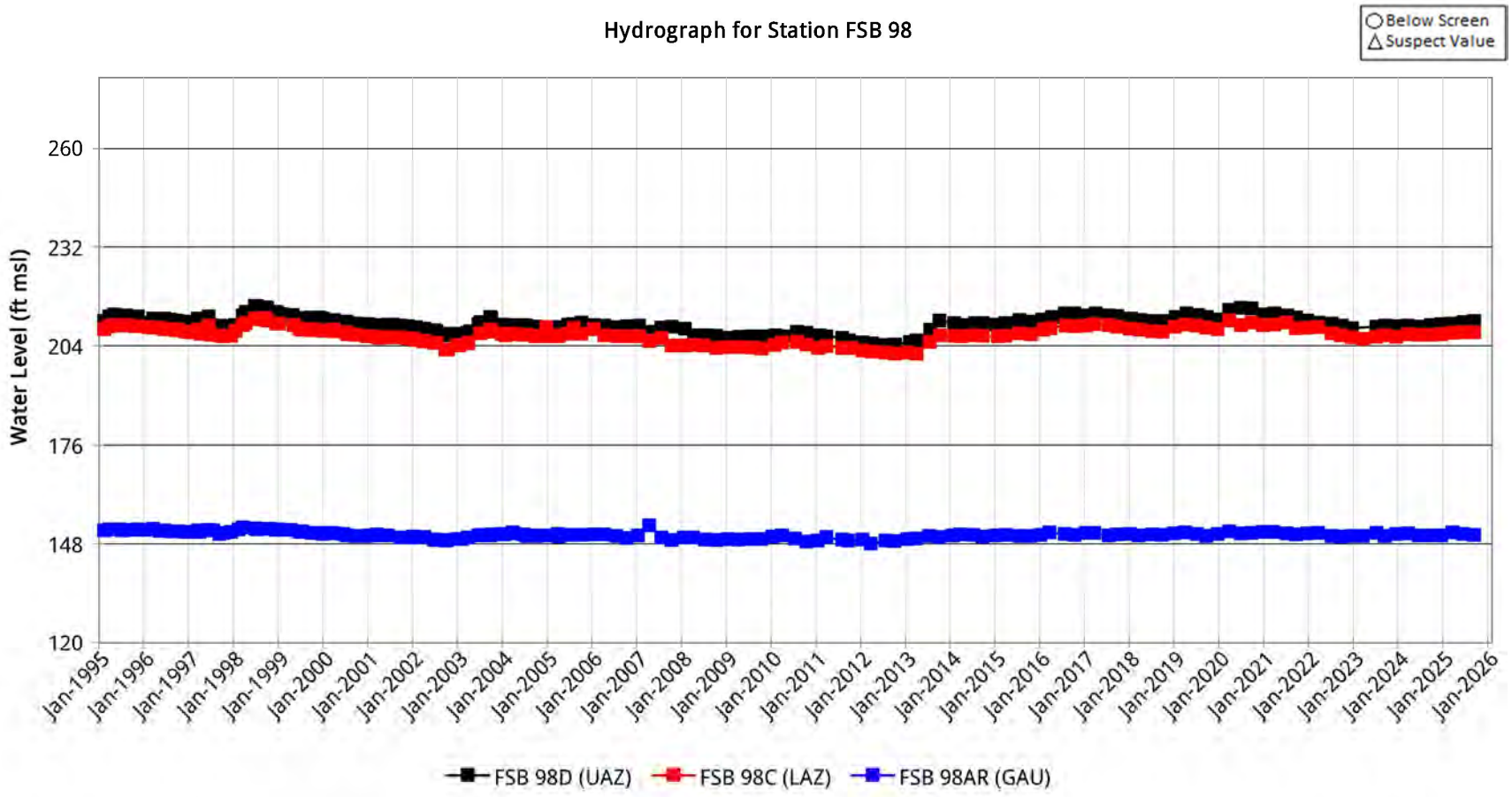
FSB 94DR (UAZ)
FSB 94C (LAZ)


Hydrograph for Station FSB 98
Below Screen
Suspect Value
Water Level (ft msl)
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Jan-1995
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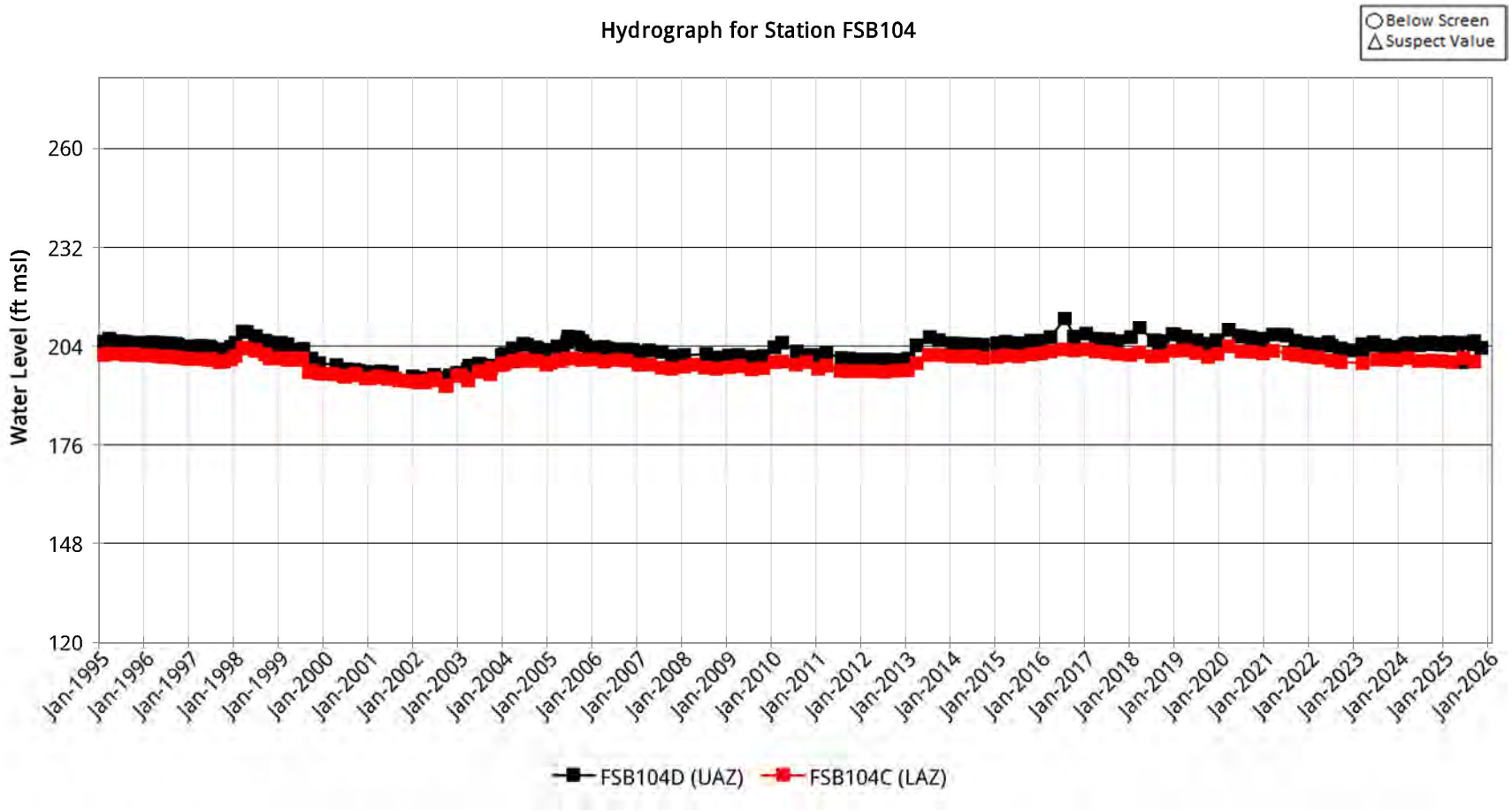
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)


Hydrograph for Station FSB104
Below Screen
Suspect Value
Water Level (ft msl)
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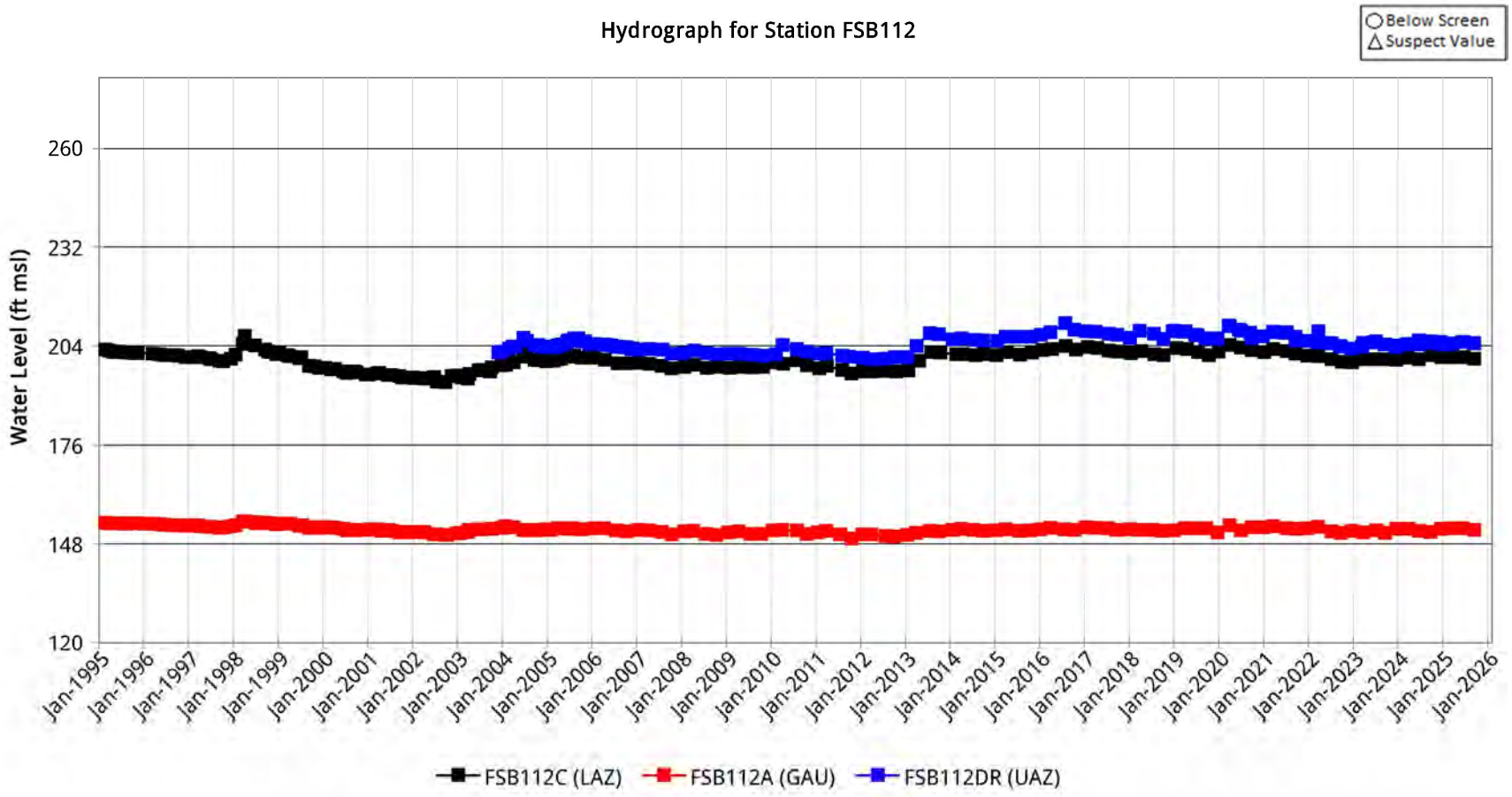
FSB104D (UAZ)
FSB104C (LAZ)


Hydrograph for Station FSB112
Below Screen
Suspect Value
Water Level (ft msl)
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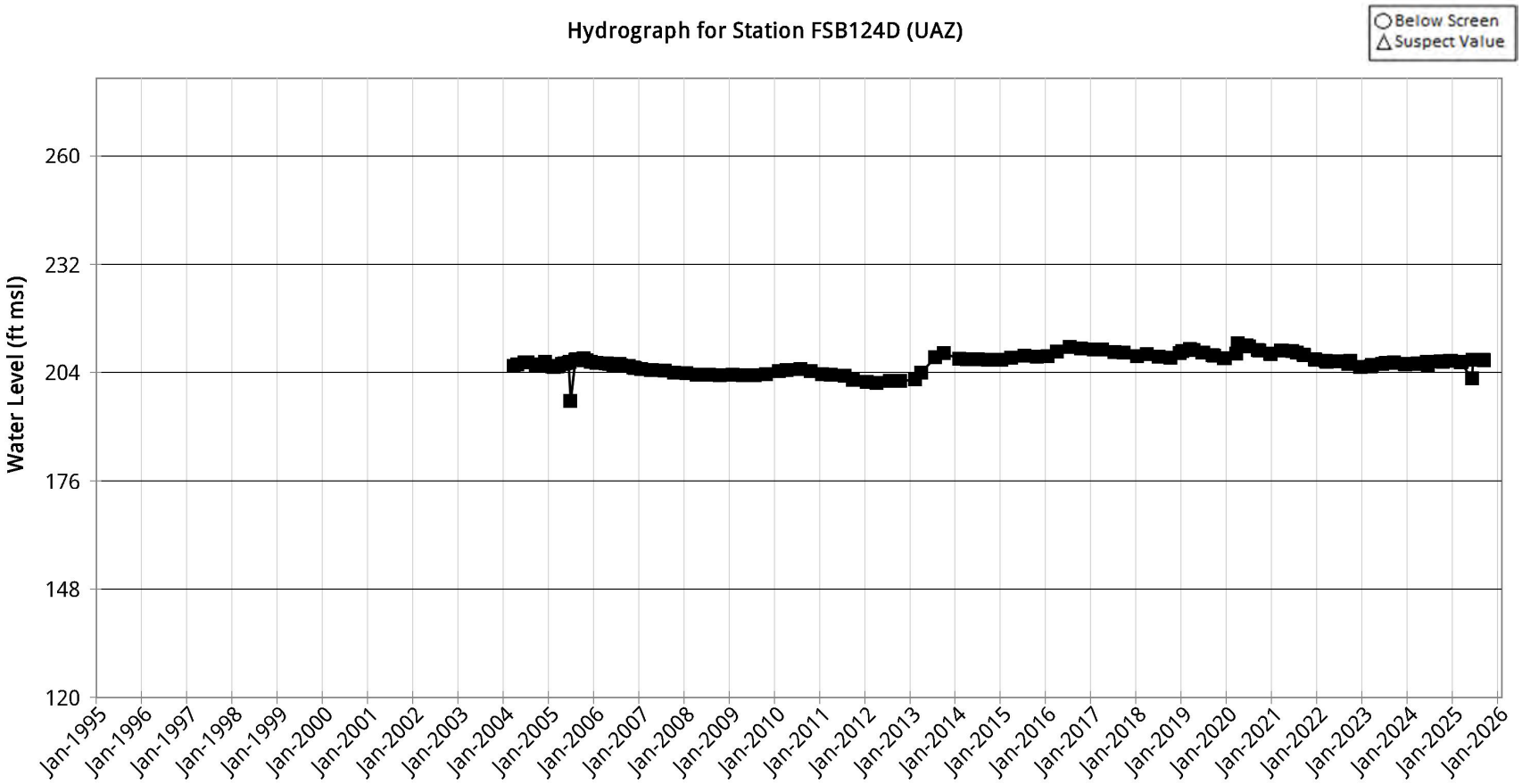
Jan-2026
FSB112C (LAZ)
FSB112A (GAU)
FSB112DR (UAZ)


Hydrograph for Station FSB124D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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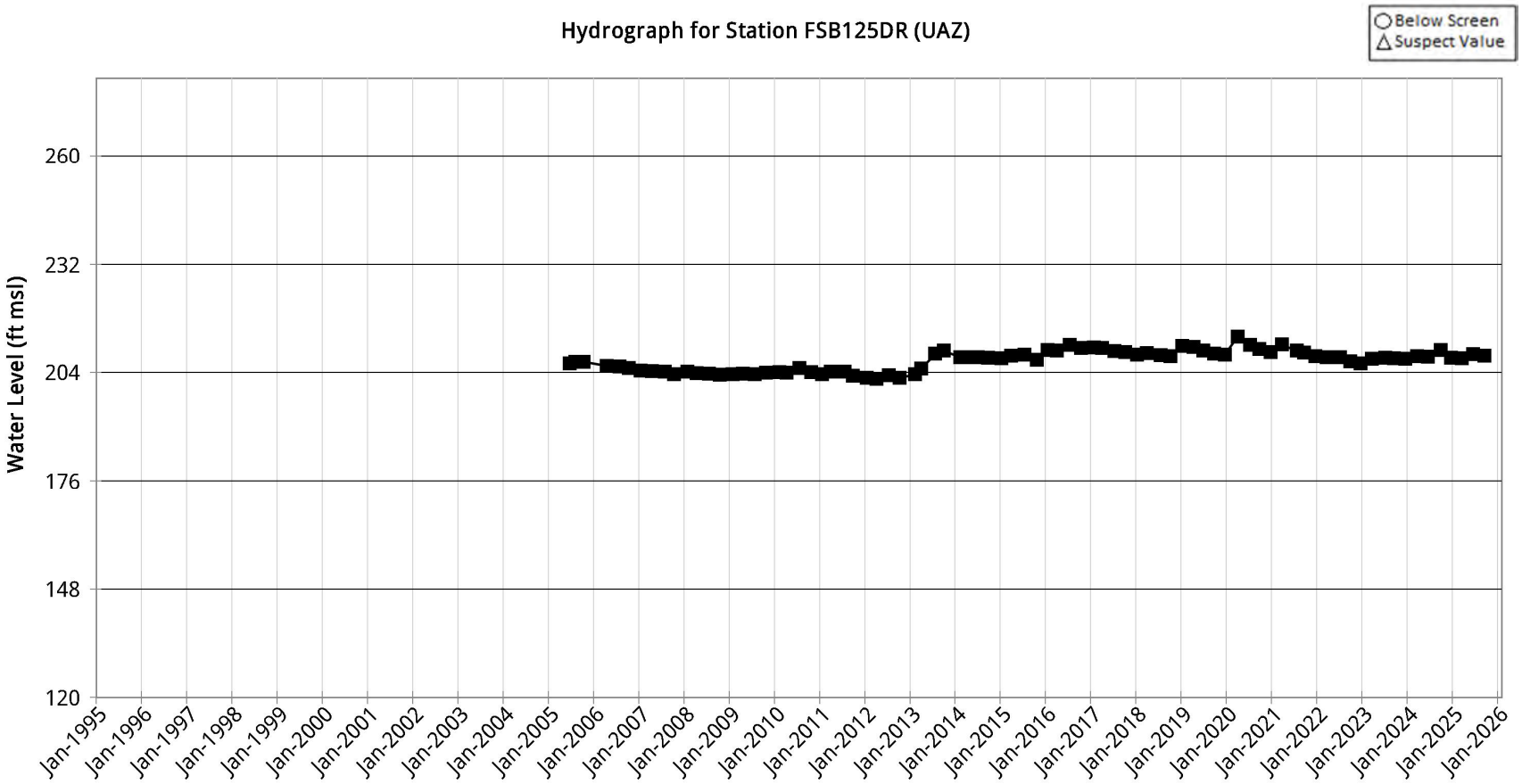
Hydrograph for Station FSB125DR (UAZ)
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Suspect Value
Water Level (ft msl)
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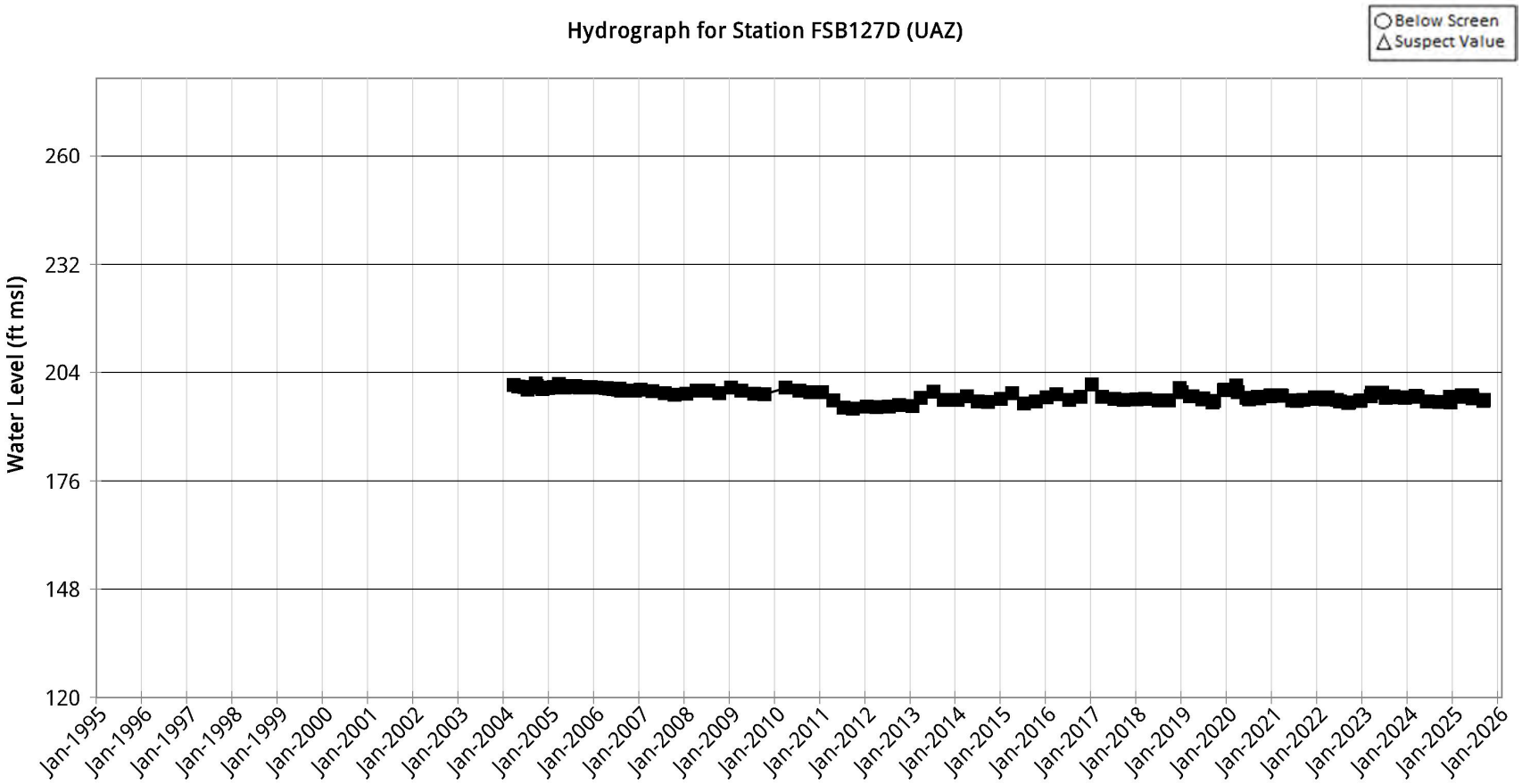
Hydrograph for Station FSB127D (UAZ)
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Water Level (ft msl)
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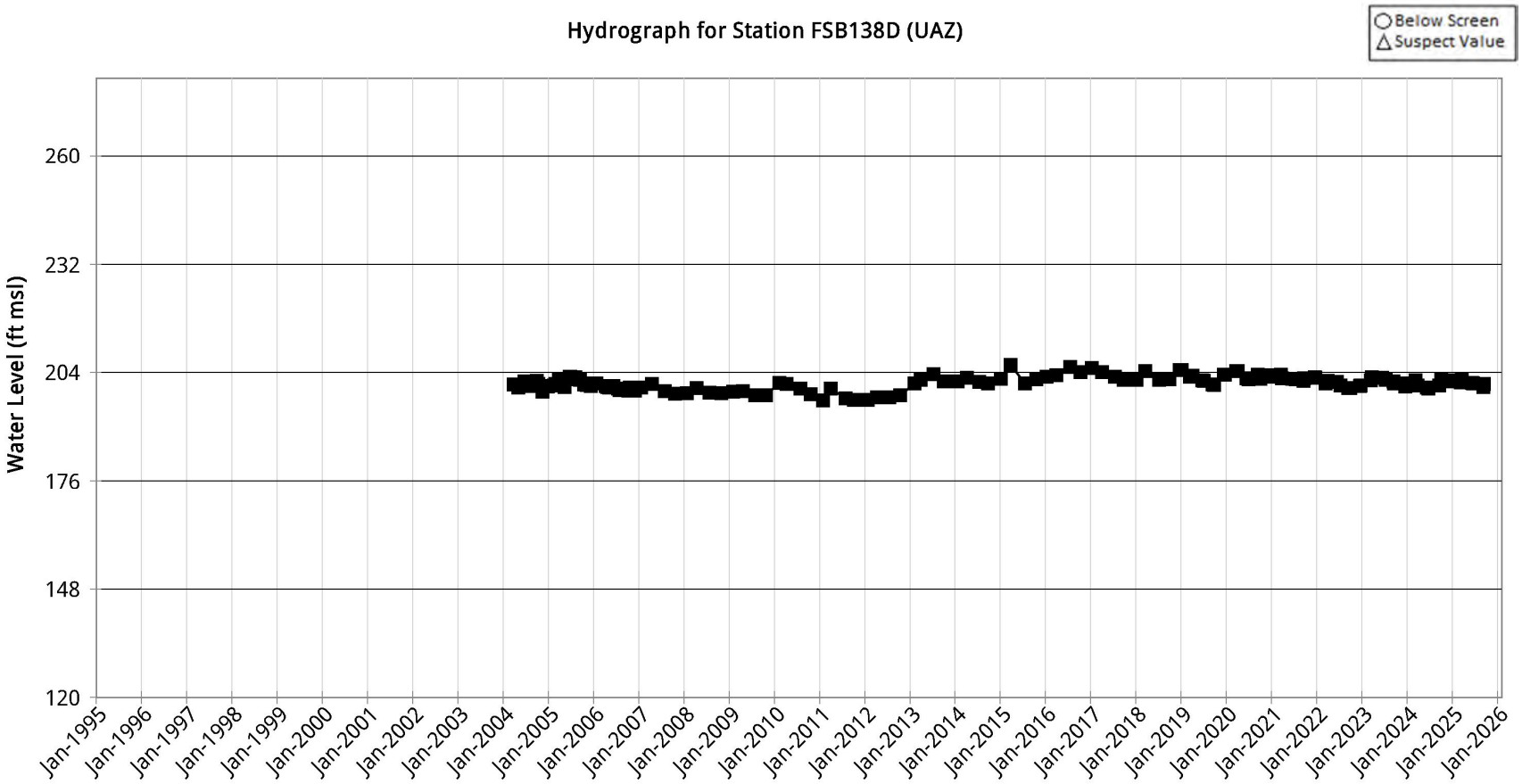
Hydrograph for Station FSB138D (UAZ)
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Water Level (ft msl)
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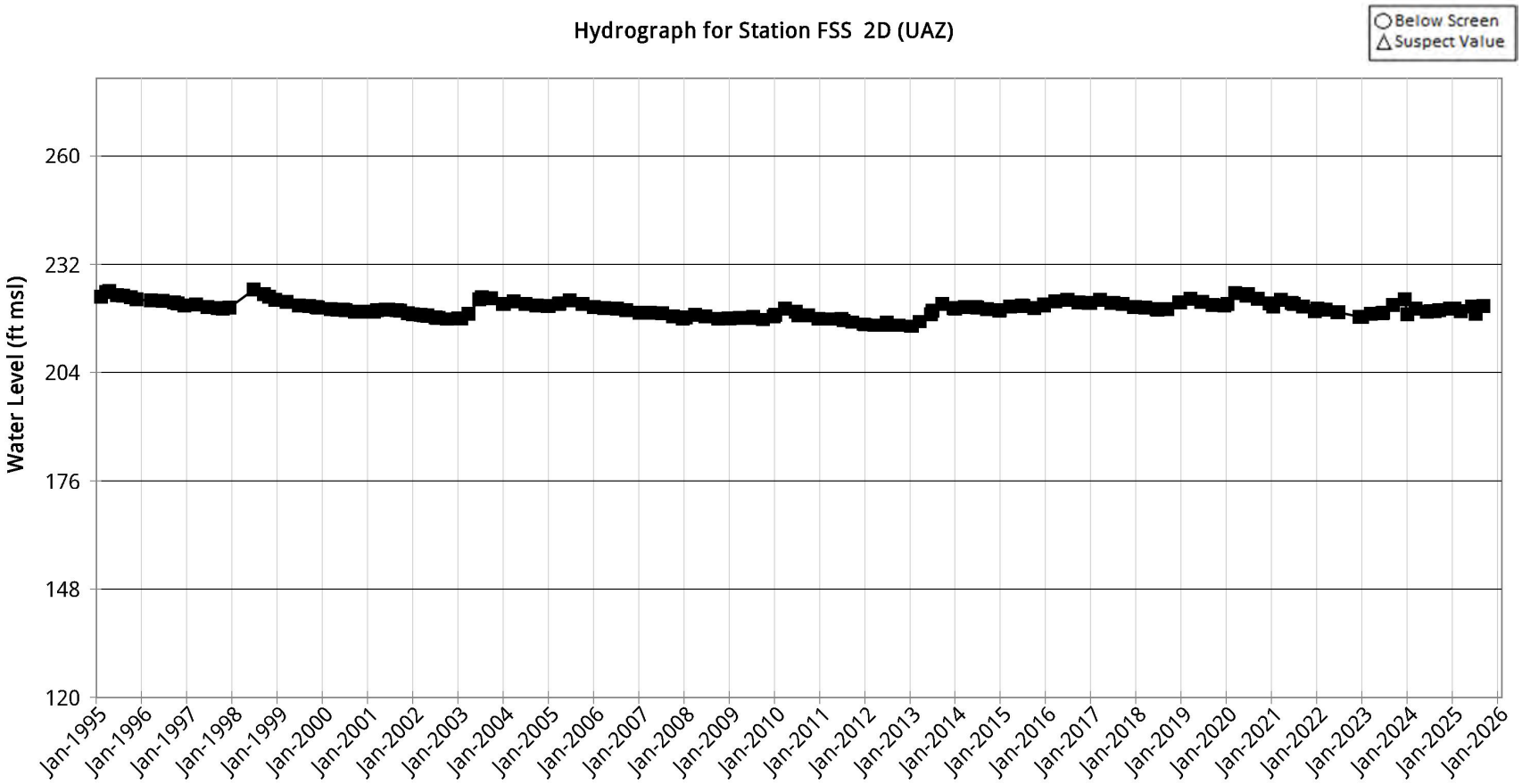
Hydrograph for Station FSS 2D (UAZ)
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Suspect Value
Water Level (ft msl)
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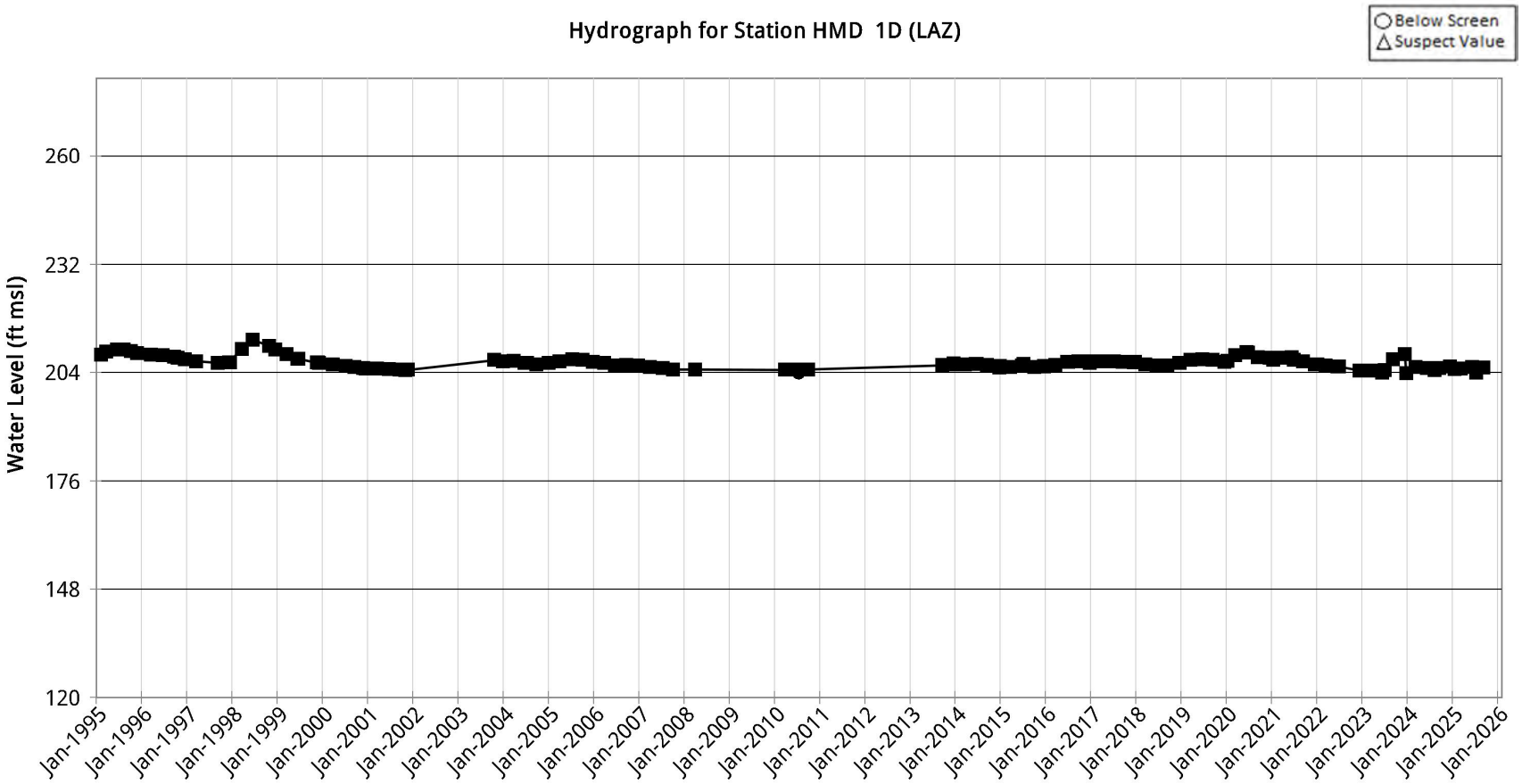
Hydrograph for Station HMD 1D (LAZ)
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Suspect Value
Water Level (ft msl)
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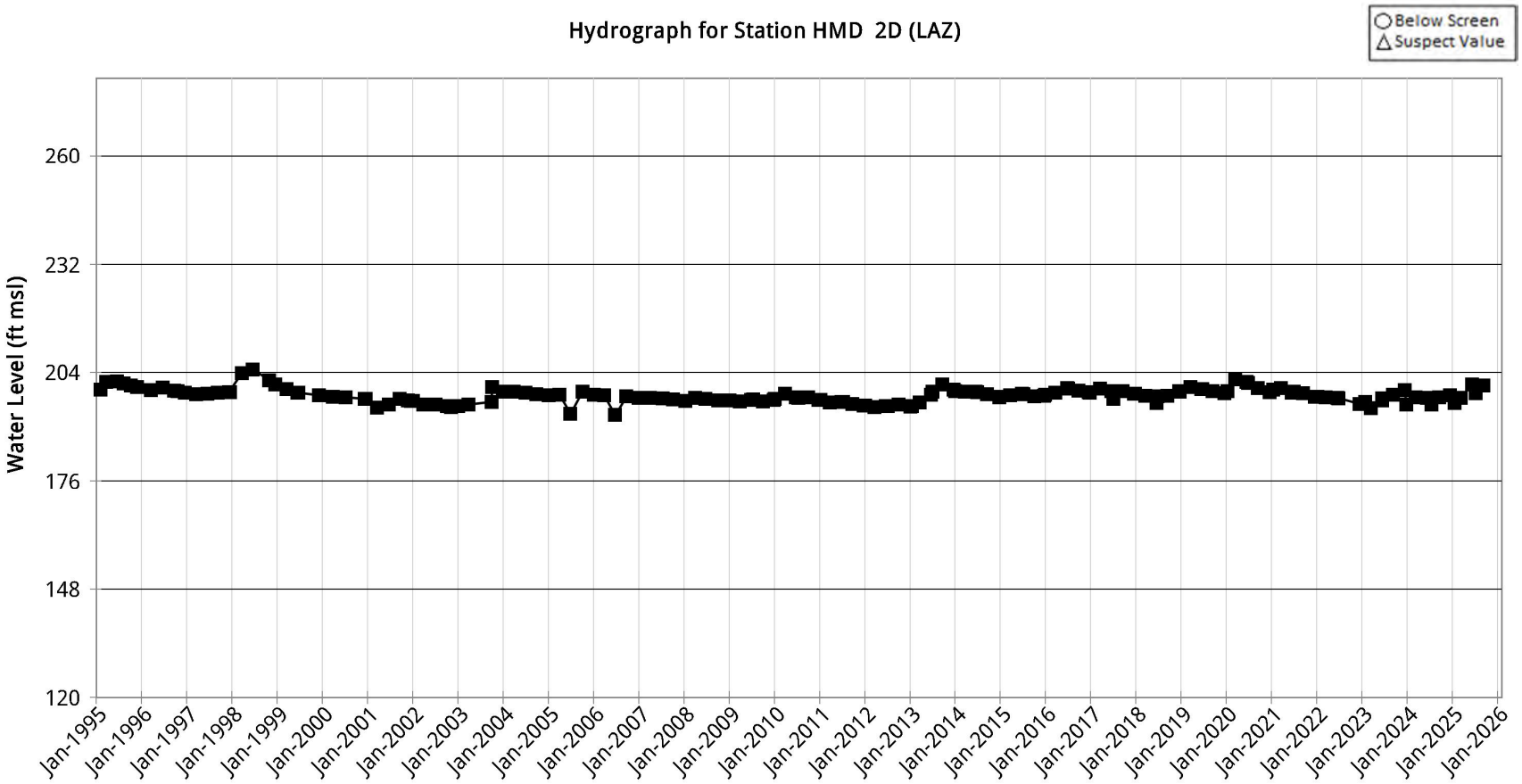
Hydrograph for Station HMD 2D (LAZ)
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Suspect Value
Water Level (ft msl)
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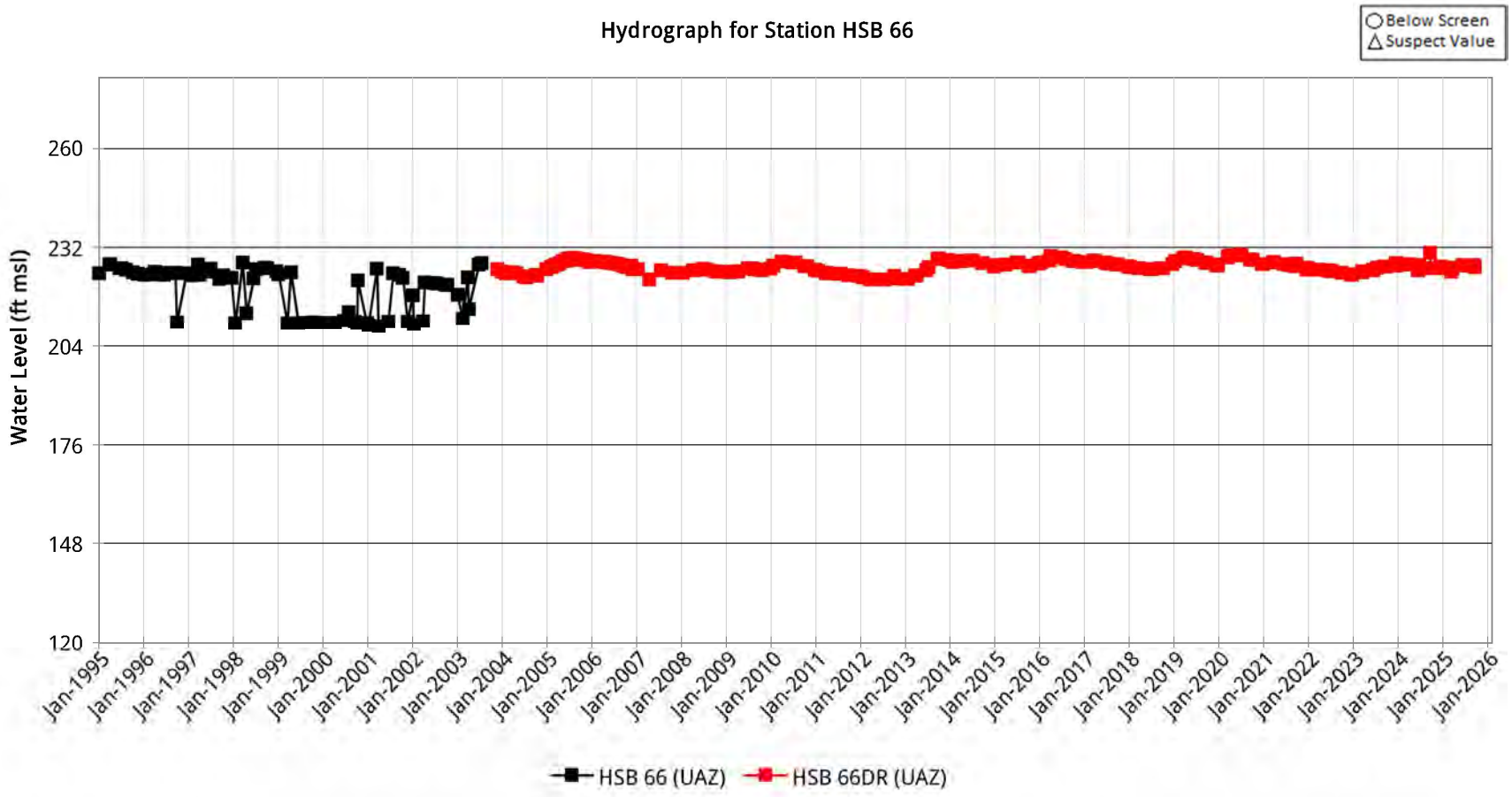
Hydrograph for Station HSB 66
Below Screen
Suspect Value
Water Level (ft msl)
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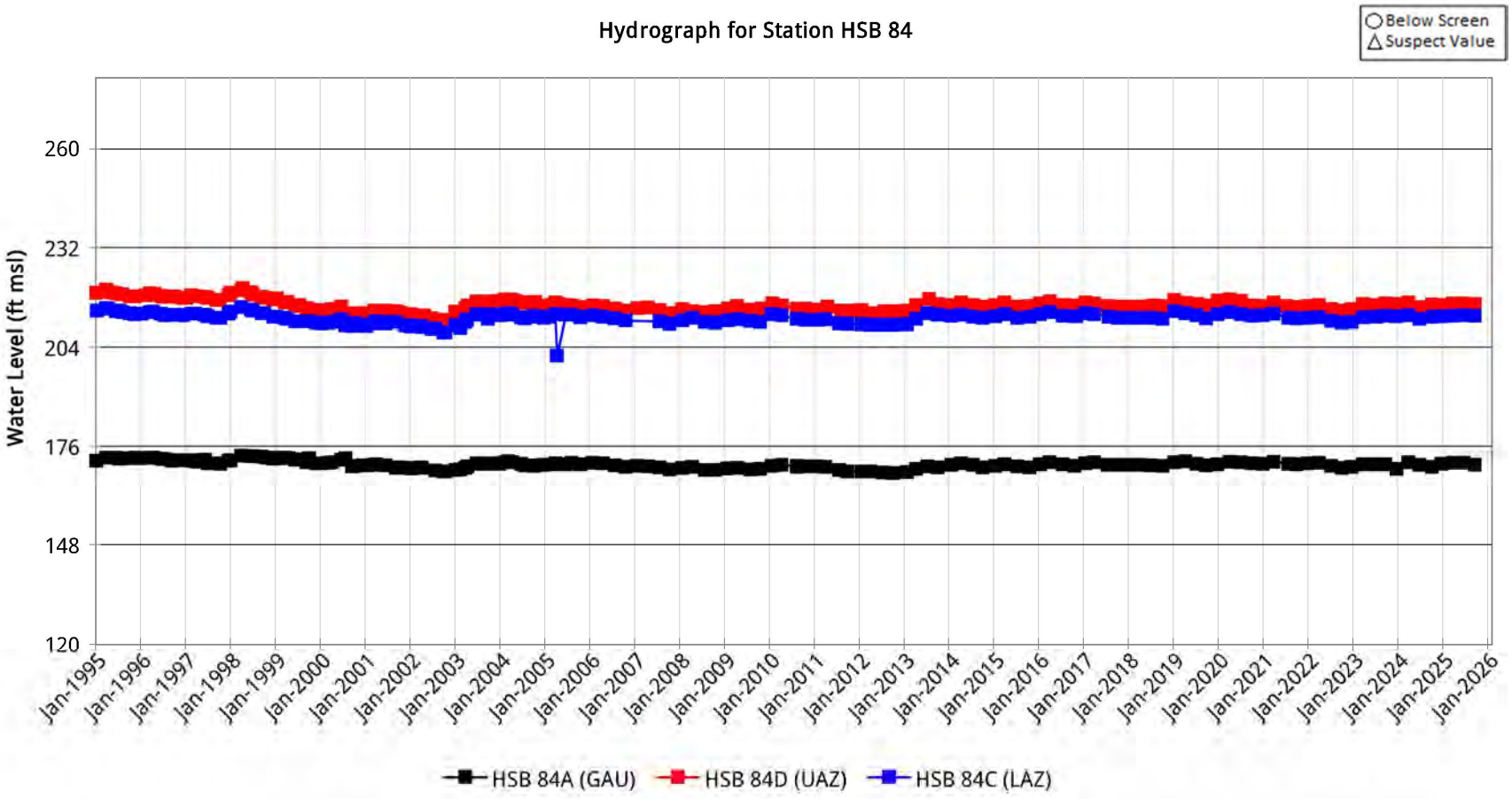
HSB 66 (UAZ)
HSB 66DR (UAZ)


Hydrograph for Station HSB 84
Below Screen
Suspect Value
Water Level (ft msl)
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Jan-1995
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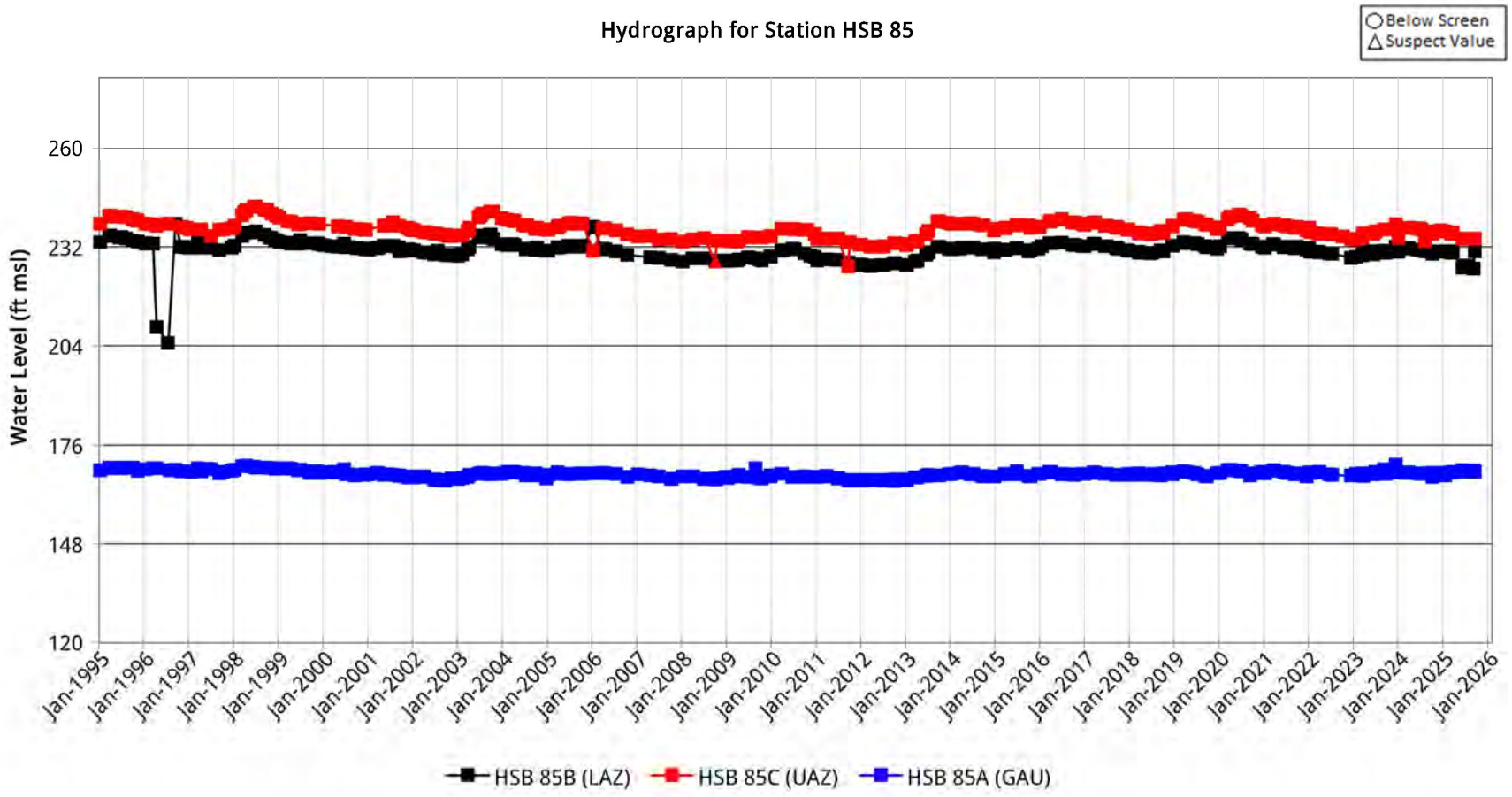
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)


Hydrograph for Station HSB 85
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Suspect Value
Water Level (ft msl)
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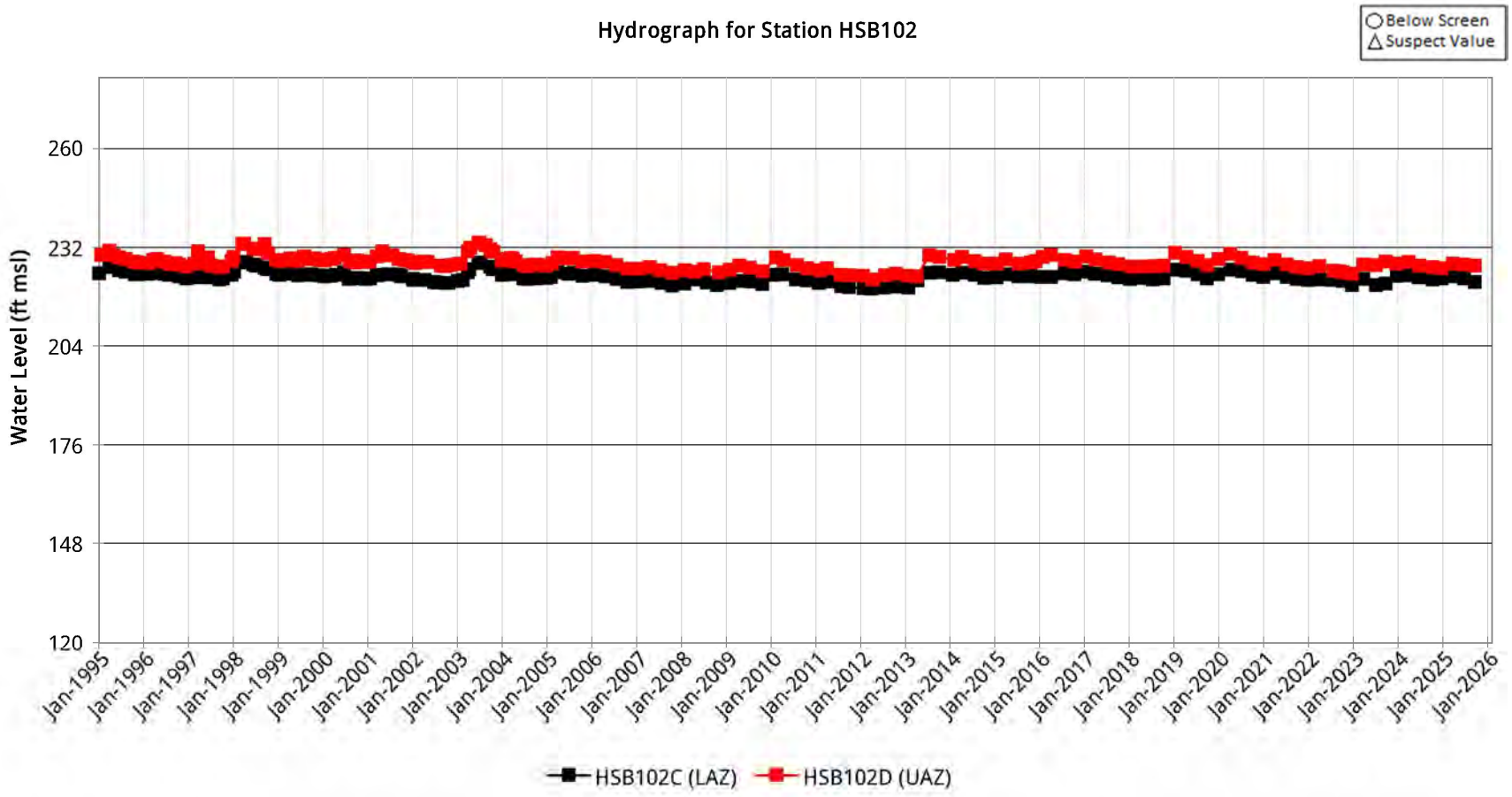
HSB 85B (LAZ)
HSB 85C (UAZ)
HSB 85A (GAU)


Hydrograph for Station HSB102
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Suspect Value
Water Level (ft msl)
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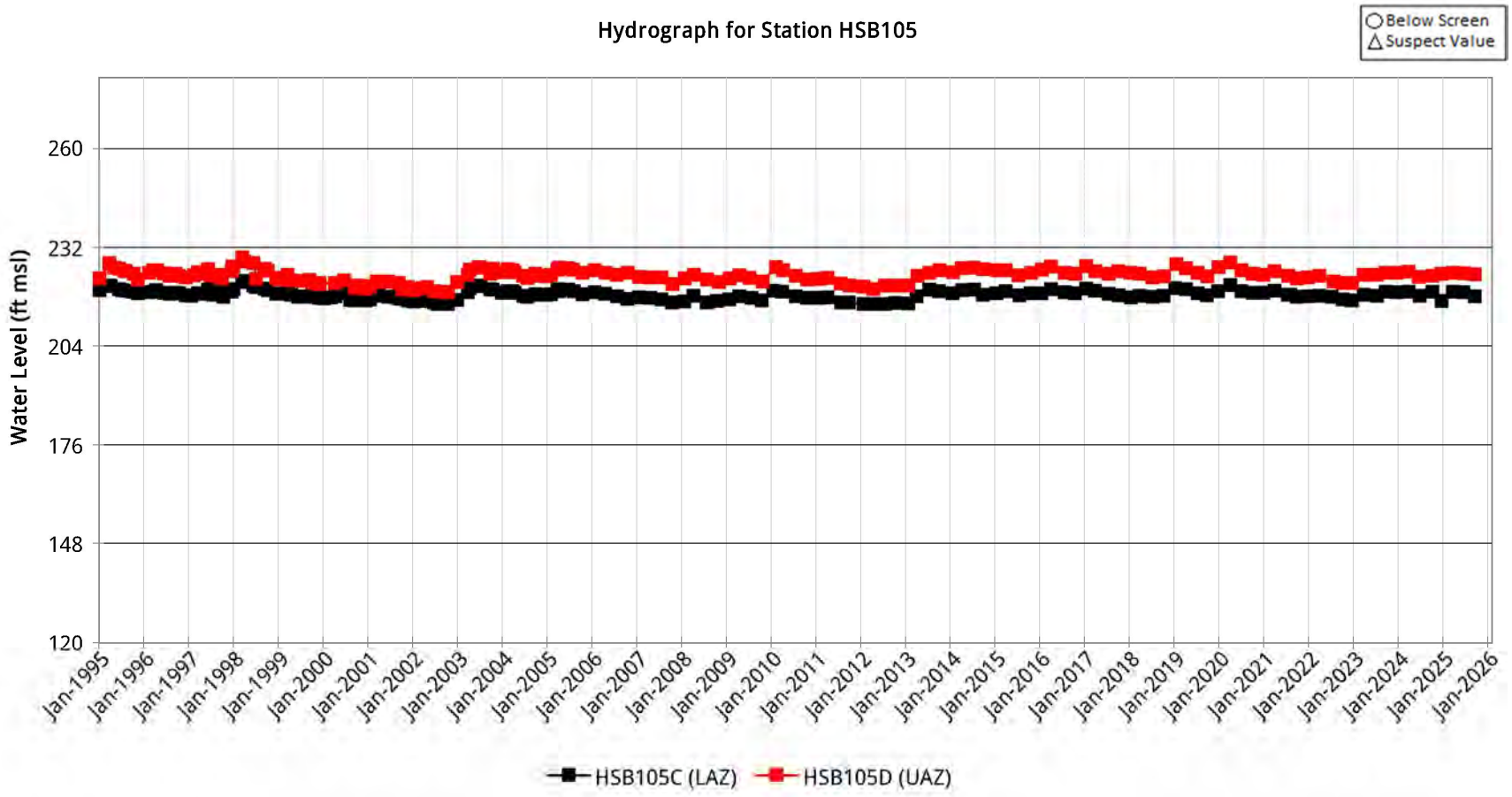
HSB102C (LAZ)
HSB102D (UAZ)


Hydrograph for Station HSB105
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Suspect Value
Water Level (ft msl)
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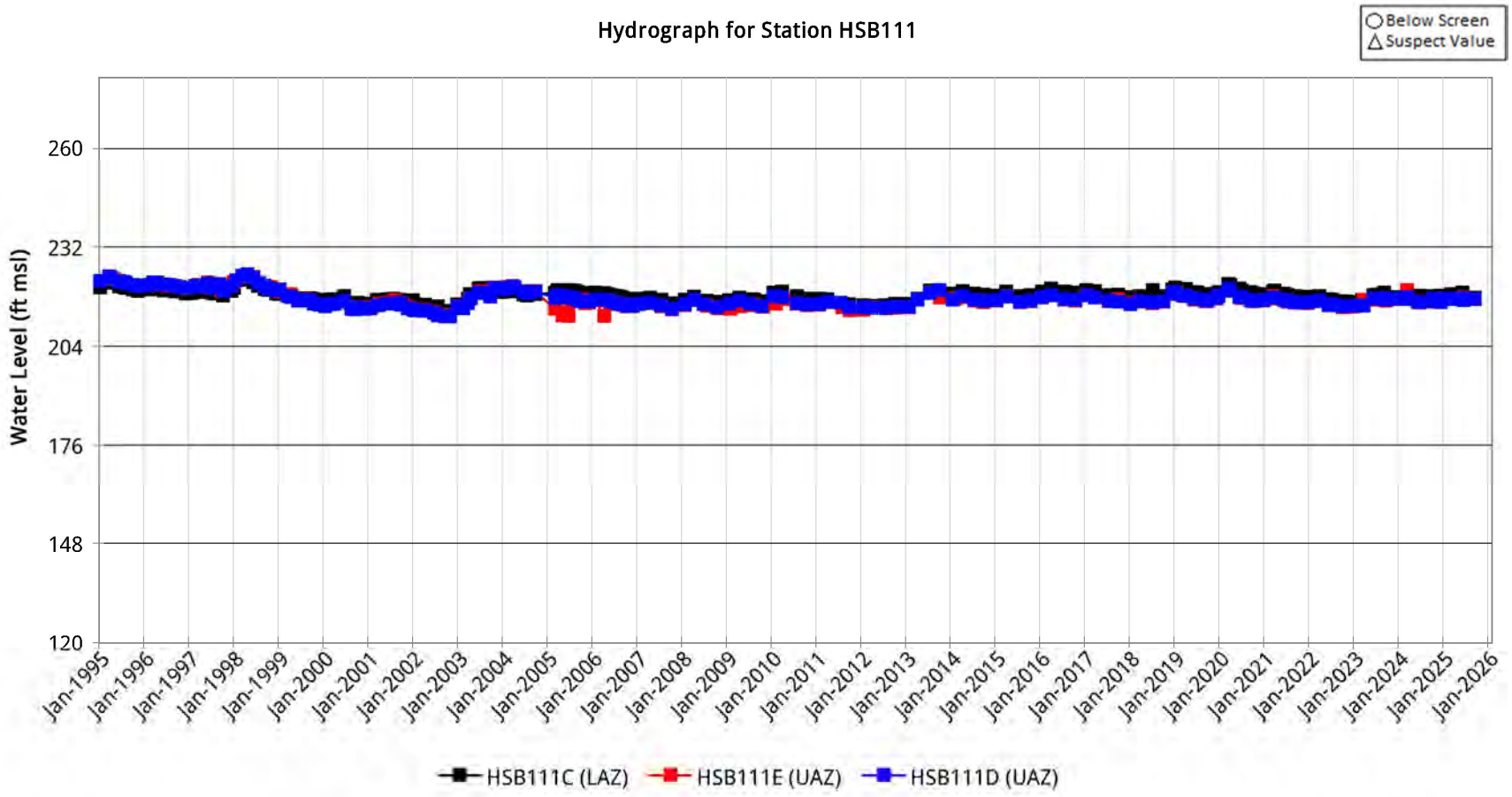
HSB105C (LAZ)
HSB105D (UAZ)


Hydrograph for Station HSB111
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Suspect Value
Water Level (ft msl)
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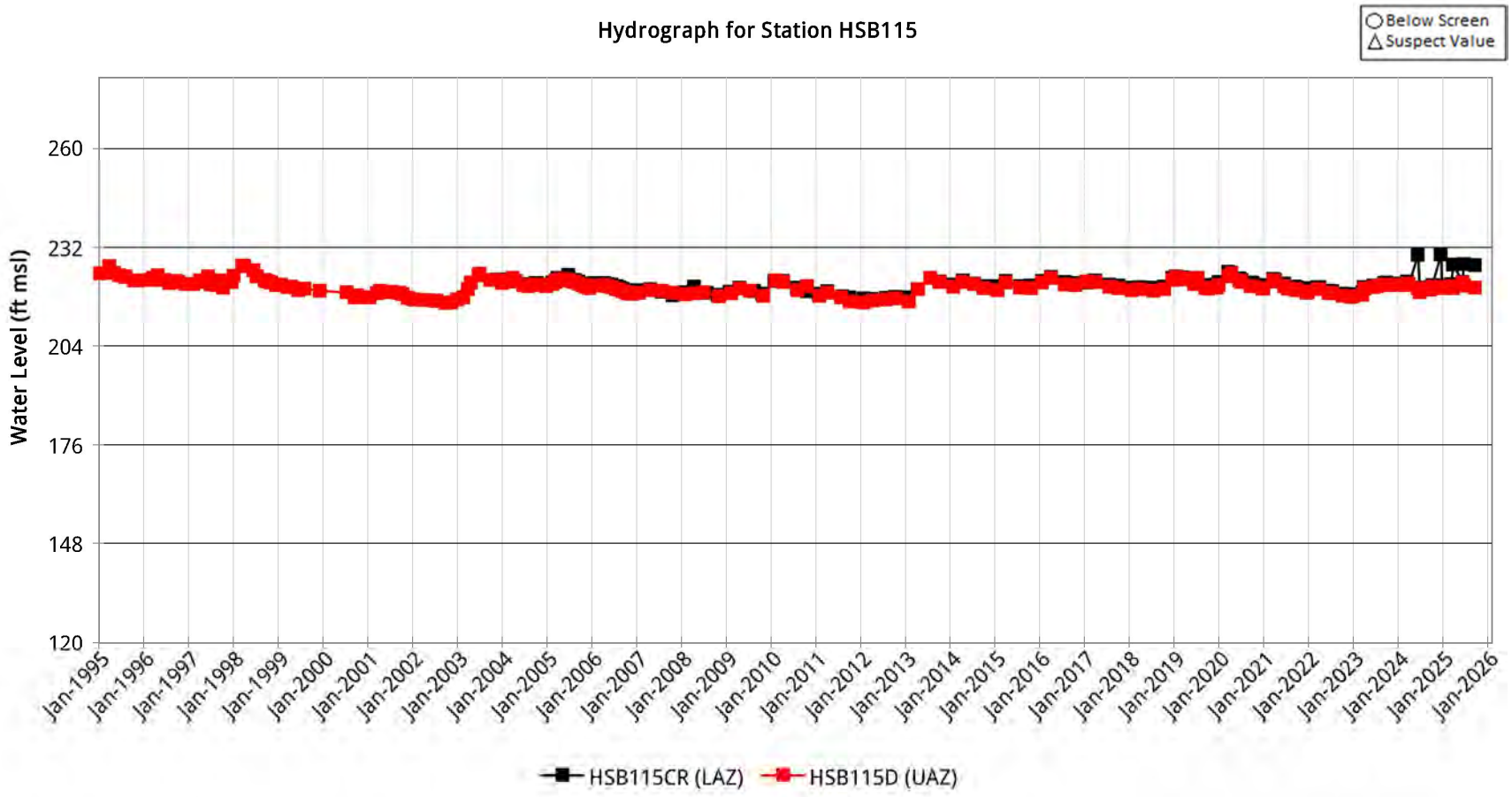
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)


Hydrograph for Station HSB115
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Suspect Value
Water Level (ft msl)
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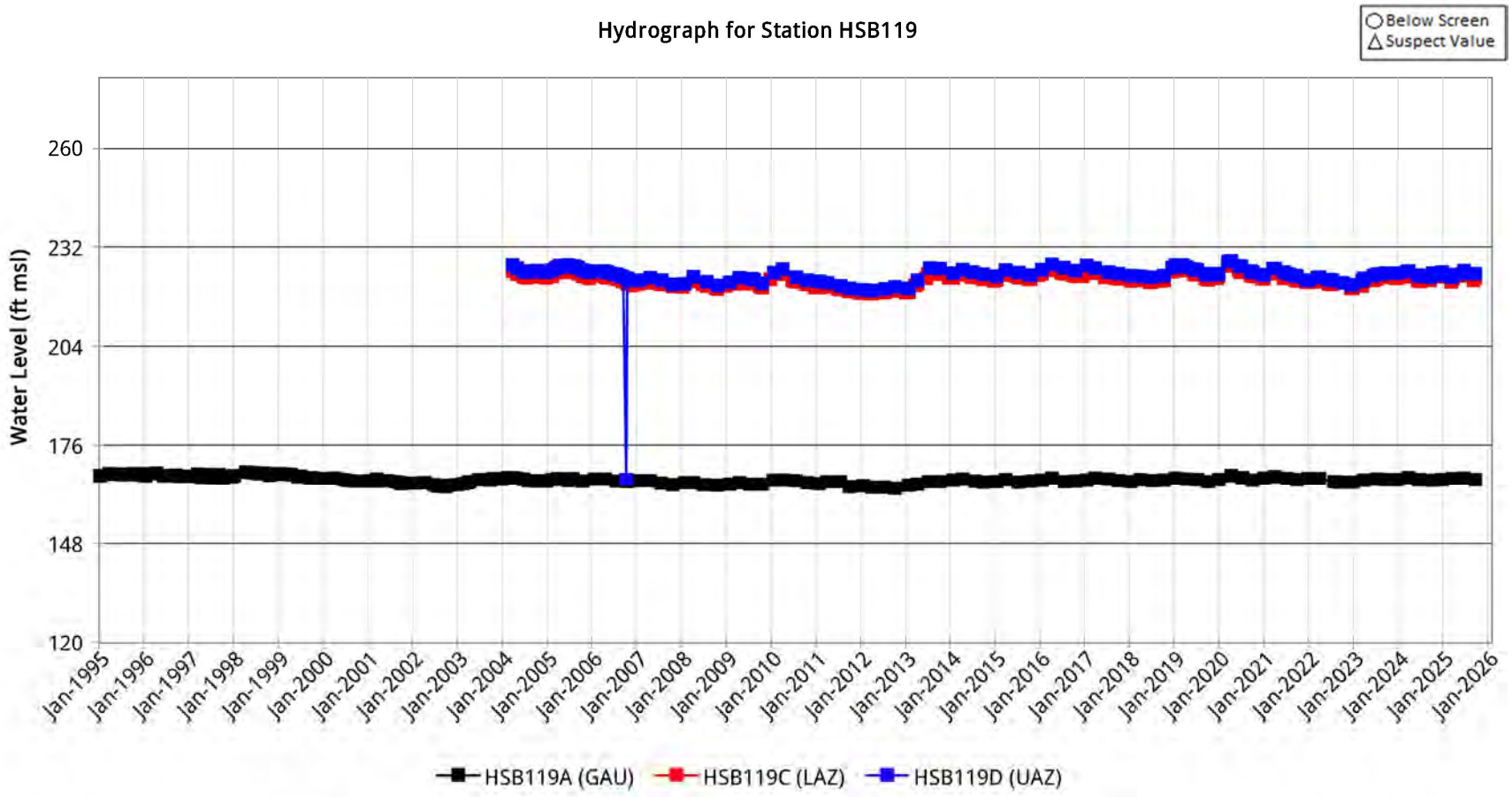
HSB115CR (LAZ)
HSB115D (UAZ)


Hydrograph for Station HSB119
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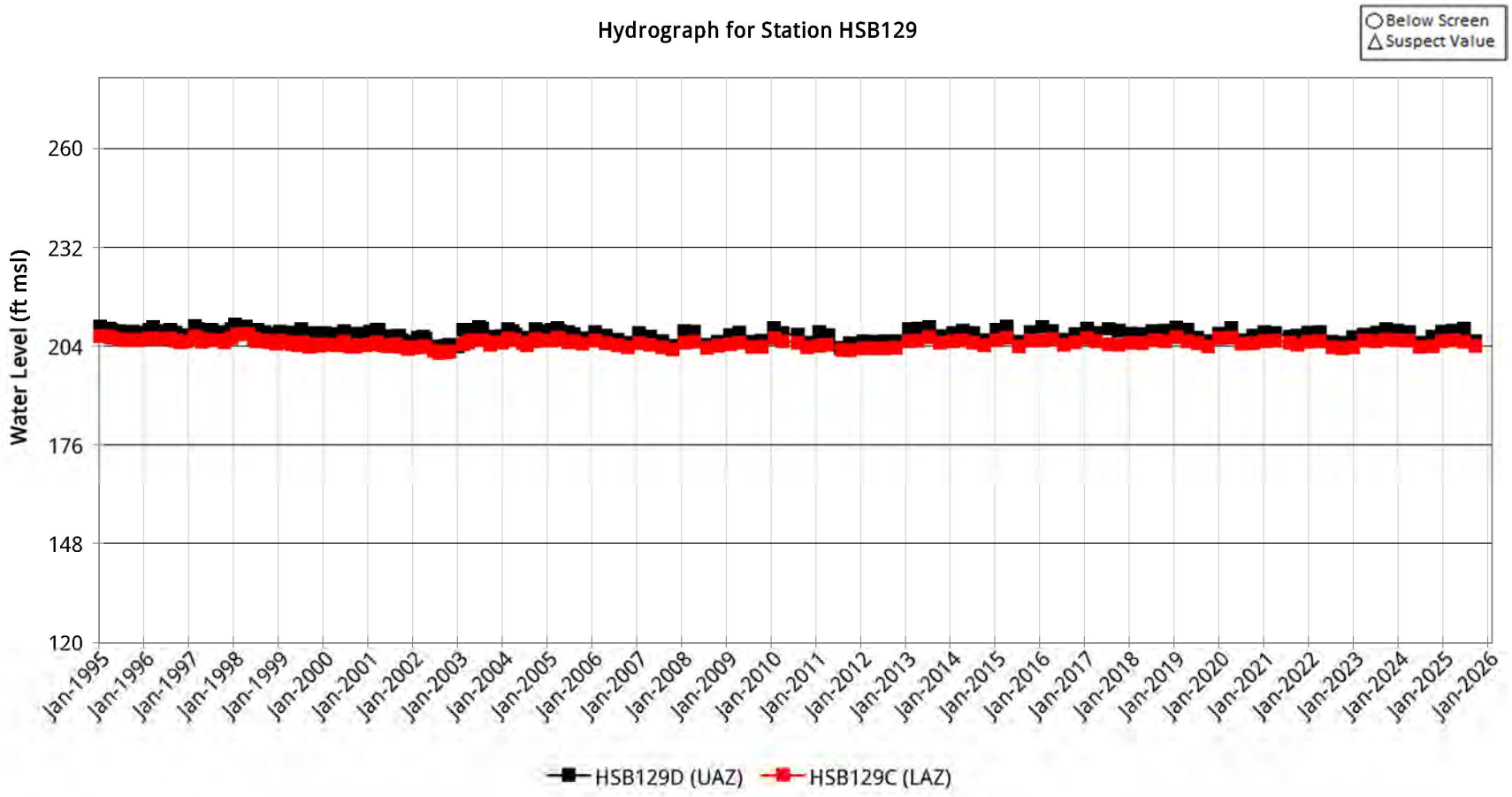
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)


Hydrograph for Station HSB129
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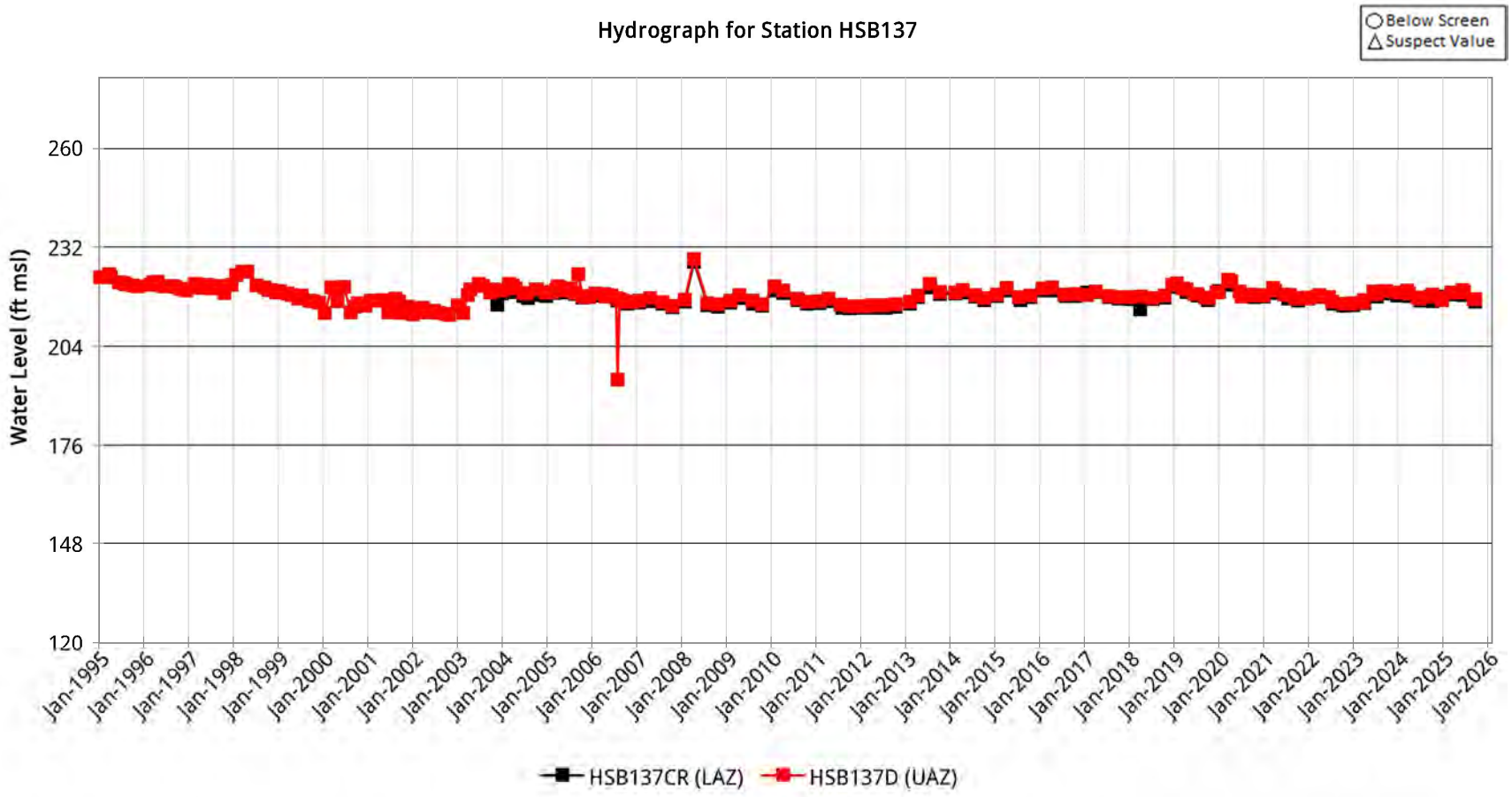
HSB129D (UAZ)
HSB129C (LAZ)


Hydrograph for Station HSB137
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Water Level (ft msl)
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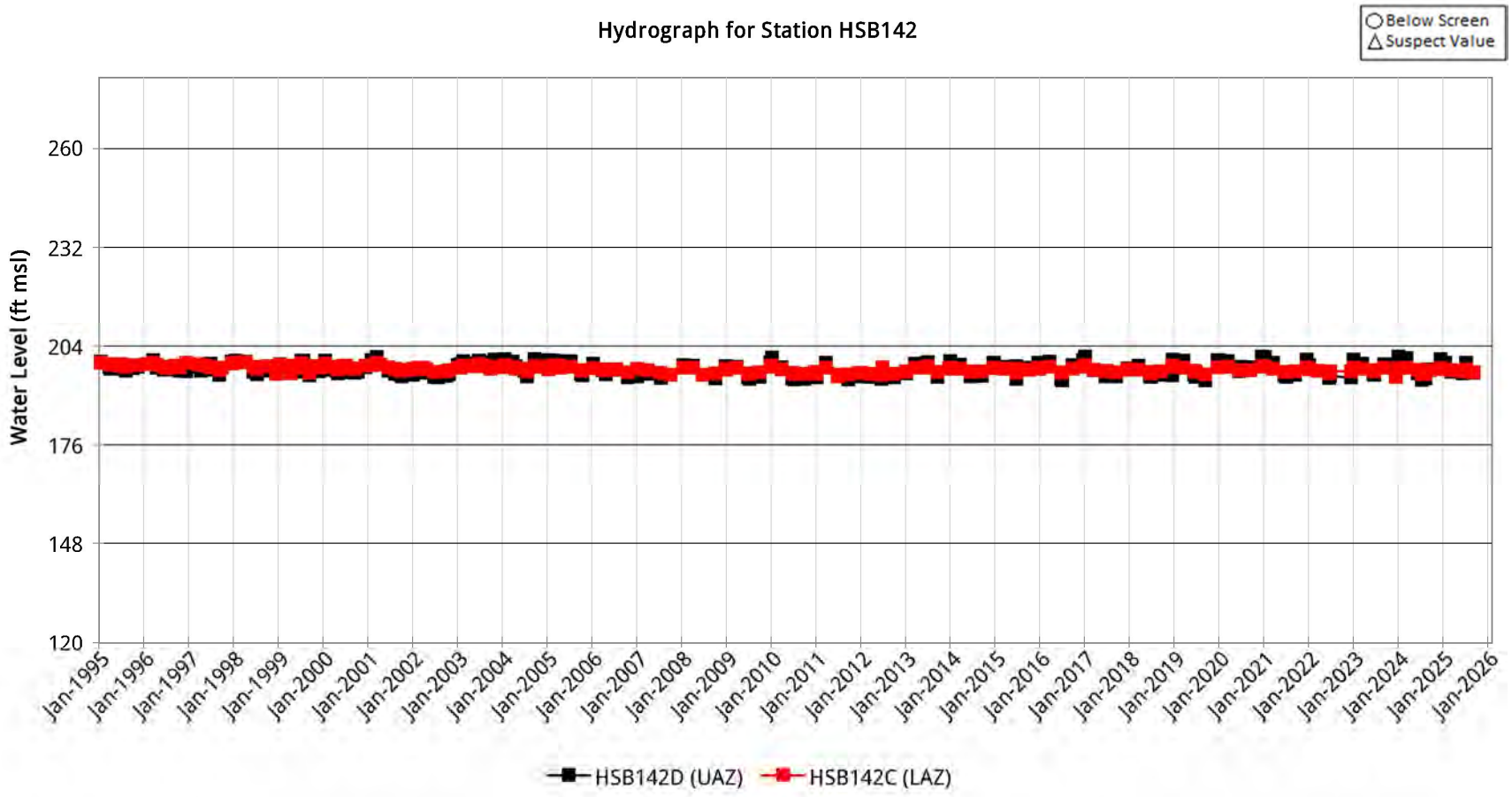
HSB137CR (LAZ)
HSB137D (UAZ)


Hydrograph for Station HSB142
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Water Level (ft msl)
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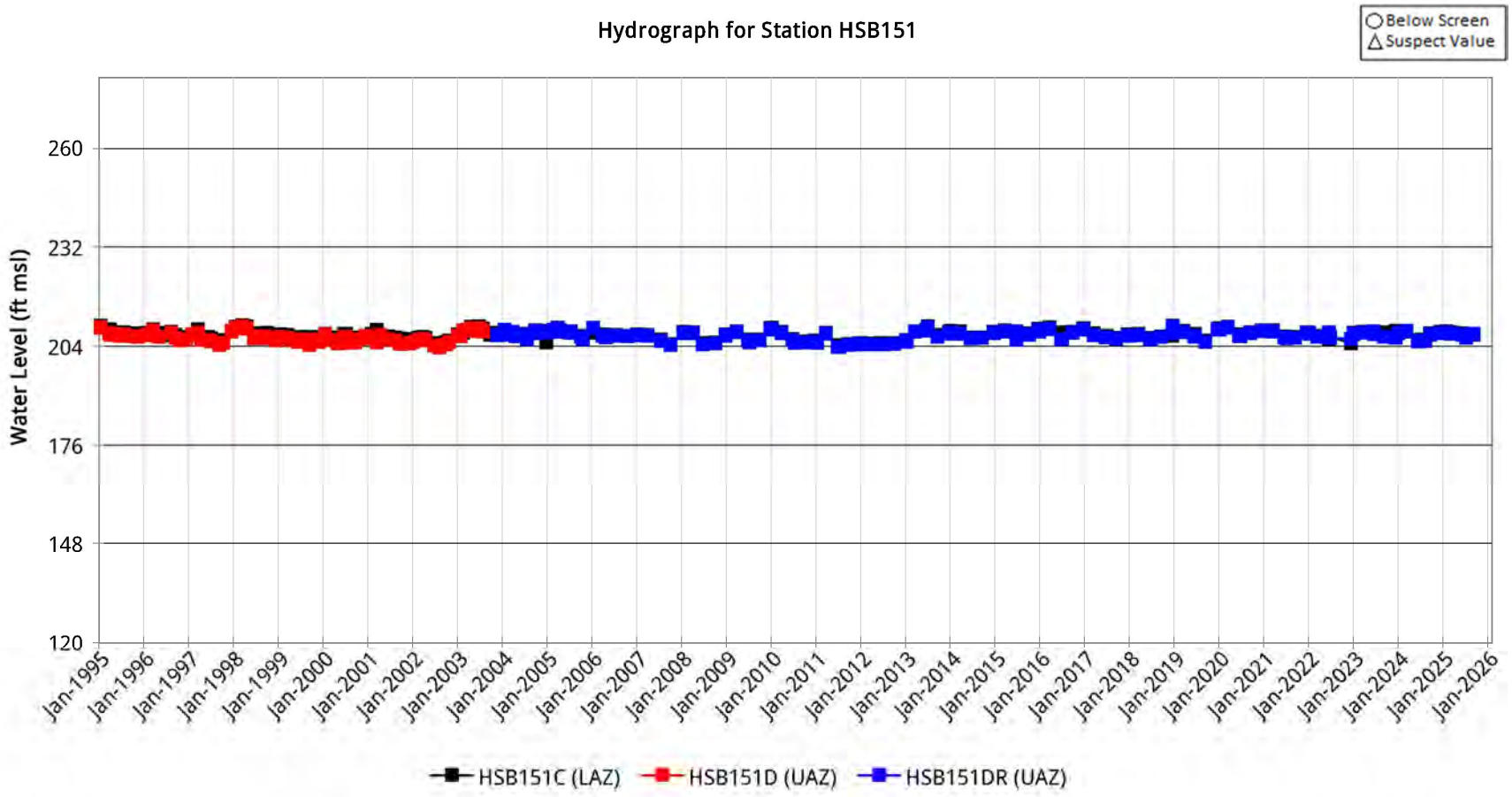
HSB142D (UAZ)
HSB142C (LAZ)


Hydrograph for Station HSB151
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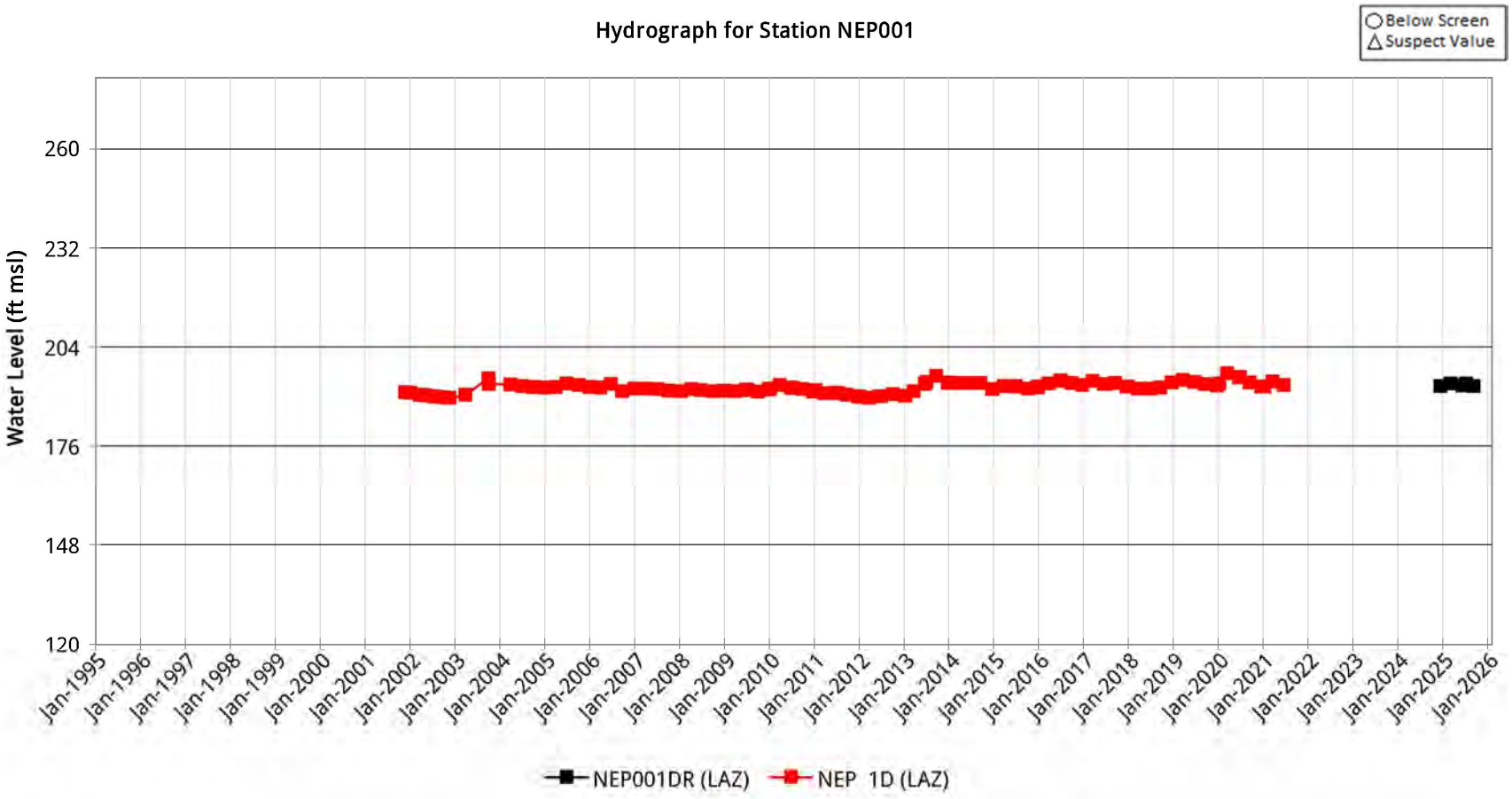
HSB151C (LAZ)
HSB151D (UAZ)
HSB151DR (UAZ)


Hydrograph for Station NEP001
Below Screen
Suspect Value
Water Level (ft msl)
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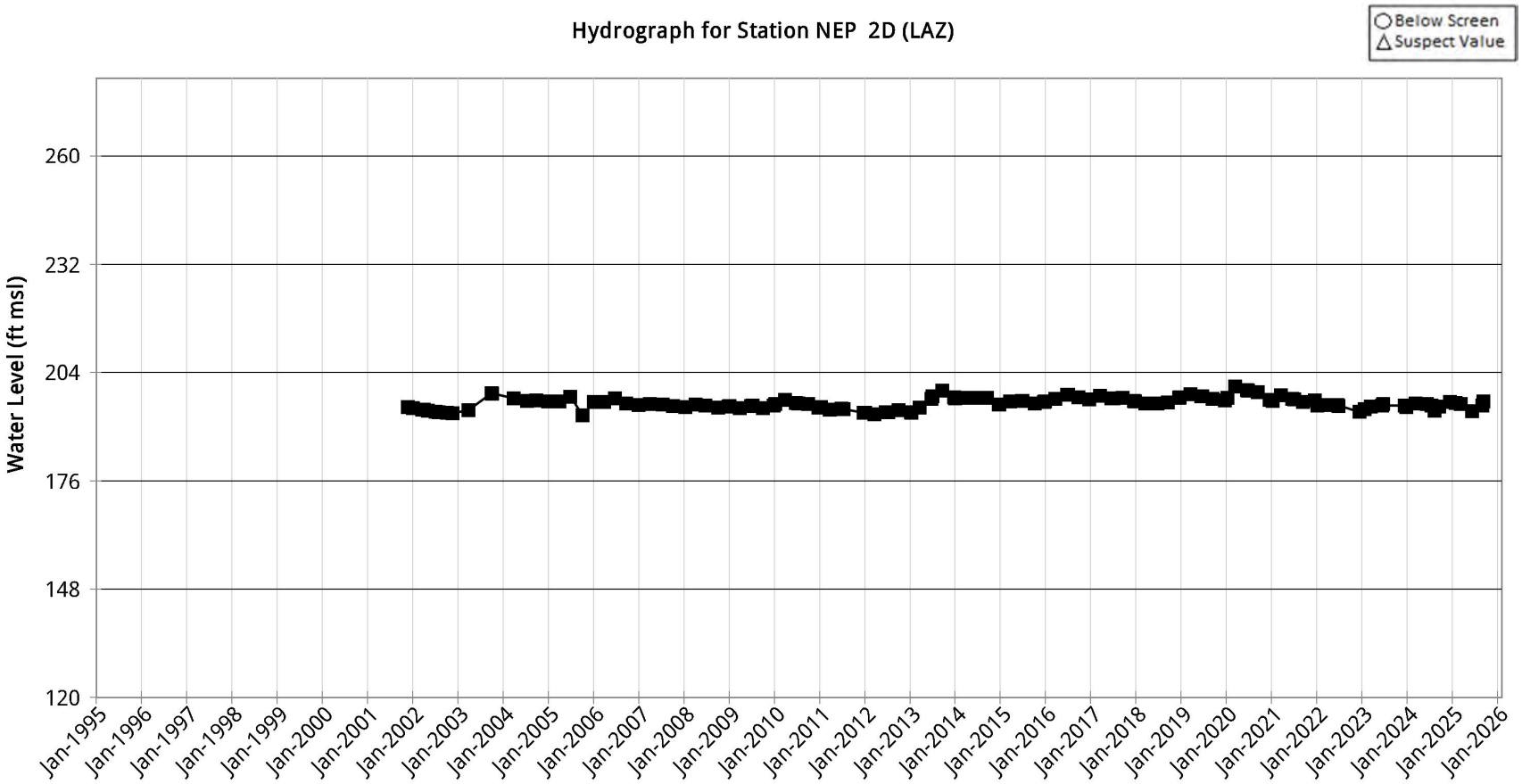
NEP001DR (LAZ)
NEP 1D (LAZ)


Hydrograph for Station NEP 2D (LAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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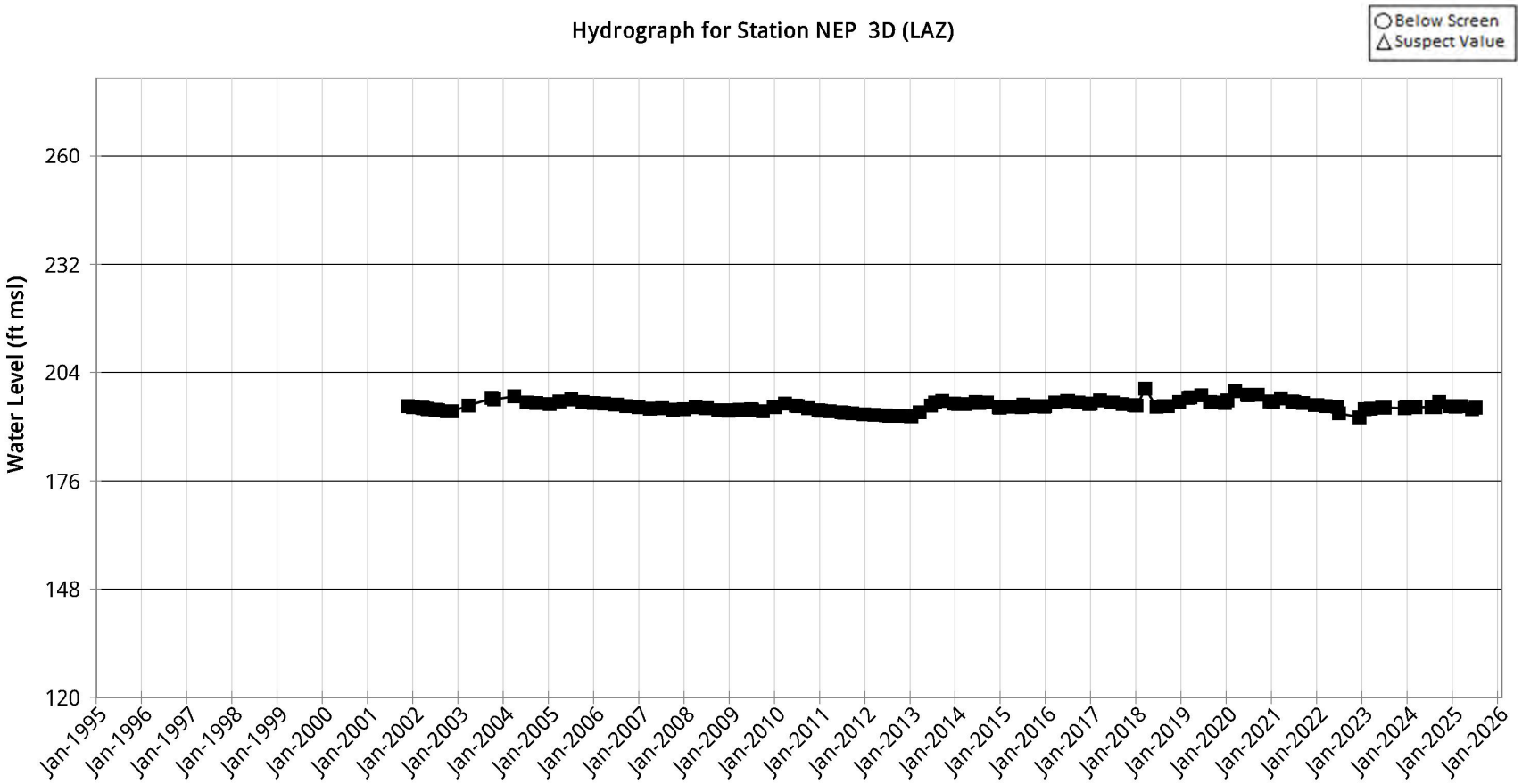
Hydrograph for Station NEP 3D (LAZ)
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Suspect Value
Water Level (ft msl)
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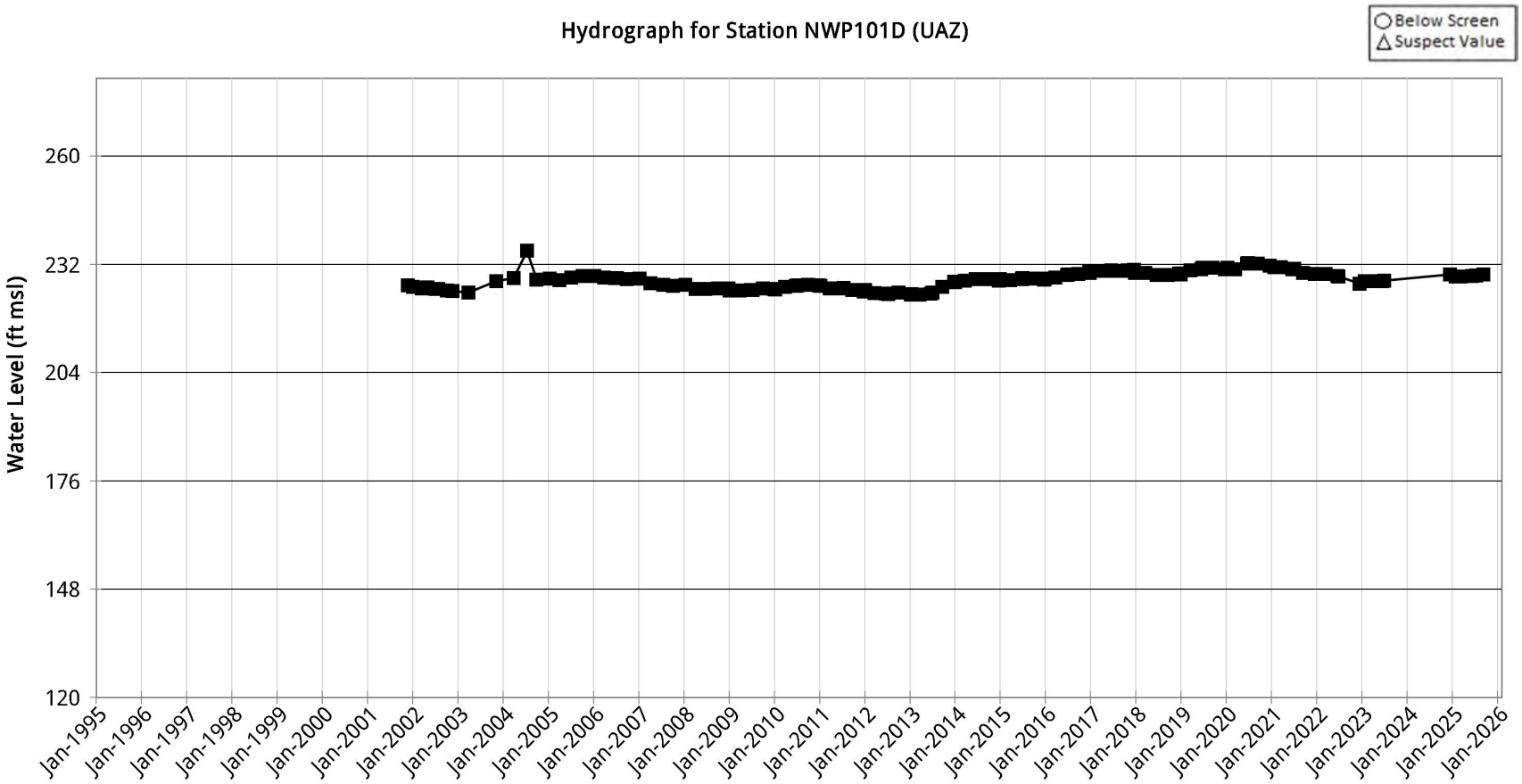
Hydrograph for Station NWP101D (UAZ)
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Water Level (ft msl)
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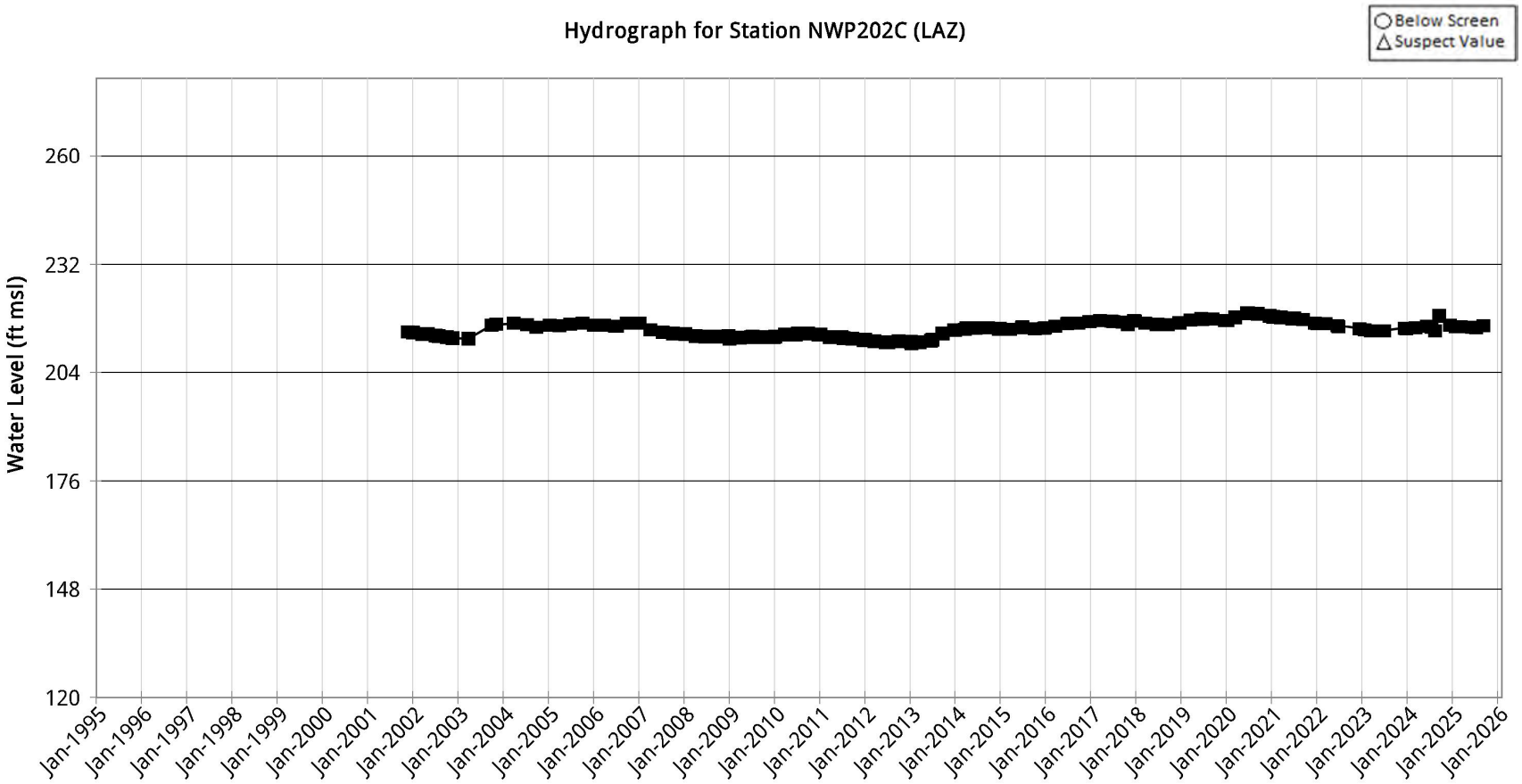
Hydrograph for Station NWP202C (LAZ)
Below Screen
Suspect Value
Water Level (ft msl)
260
232
204
176
148
120
Jan-1995
Jan-1996
Jan-1997
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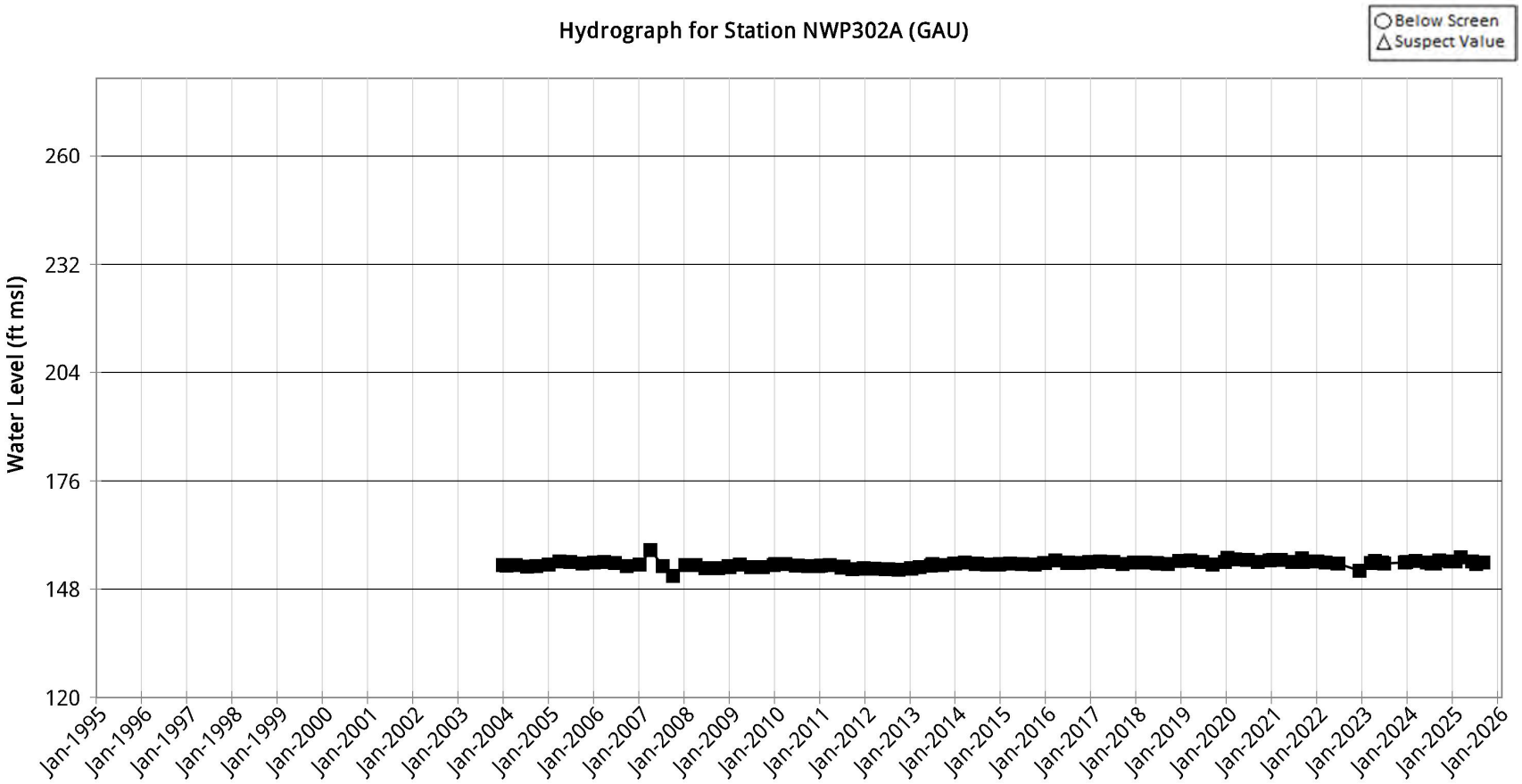
Hydrograph for Station NWP302A (GAU)
Below Screen
Suspect Value
Water Level (ft msl)
260
232
204
176
148
120
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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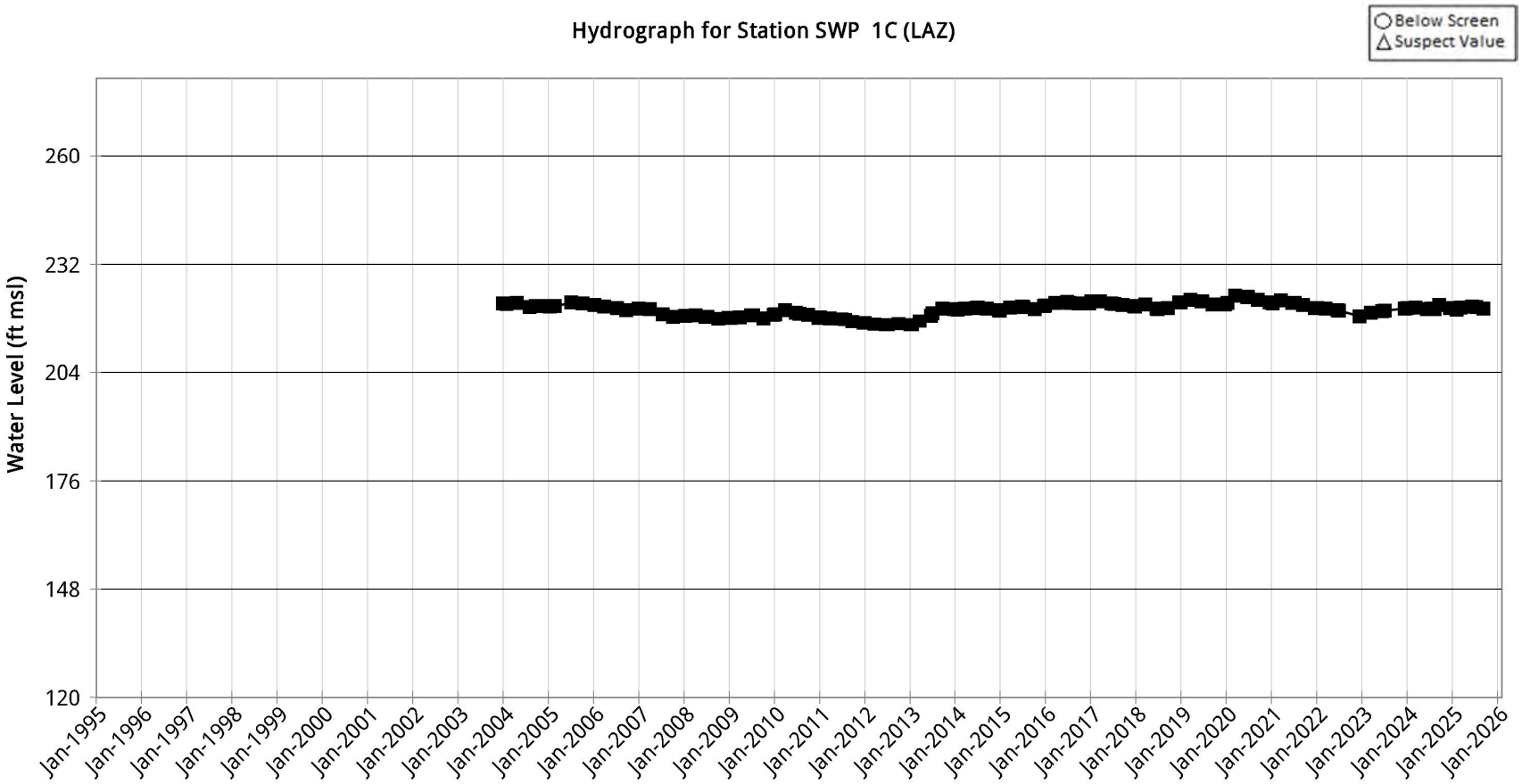
Hydrograph for Station SWP 1C (LAZ)
Below Screen
Suspect Value
Water Level (ft msl)
260
232
204
176
148
120
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2002
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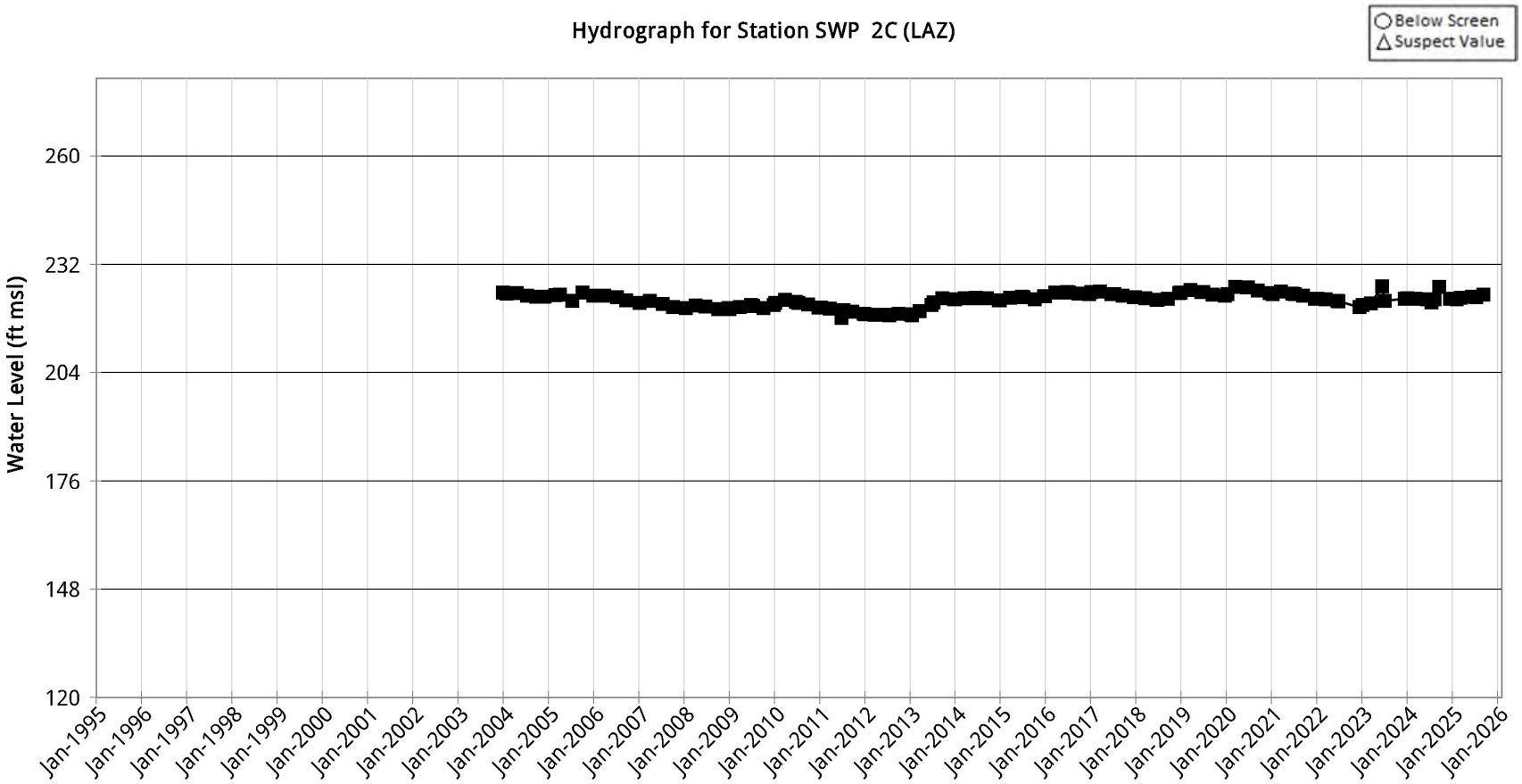
Hydrograph for Station SWP 2C (LAZ)
Below Screen
Suspect Value
Water Level (ft msl)
260
232
204
176
148
120
Jan-1995
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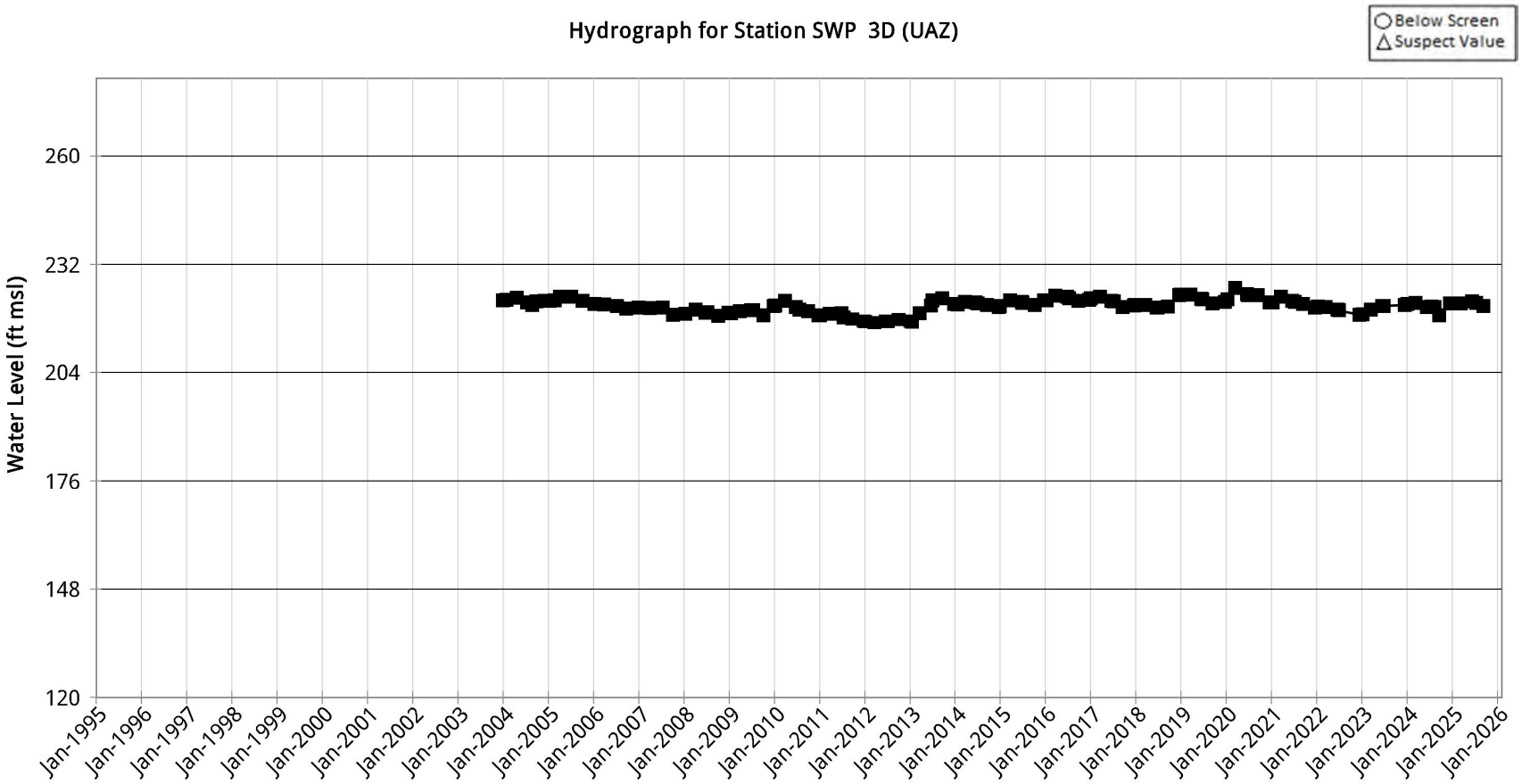
Hydrograph for Station SWP 3D (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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232
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176
148
120
Jan-1995
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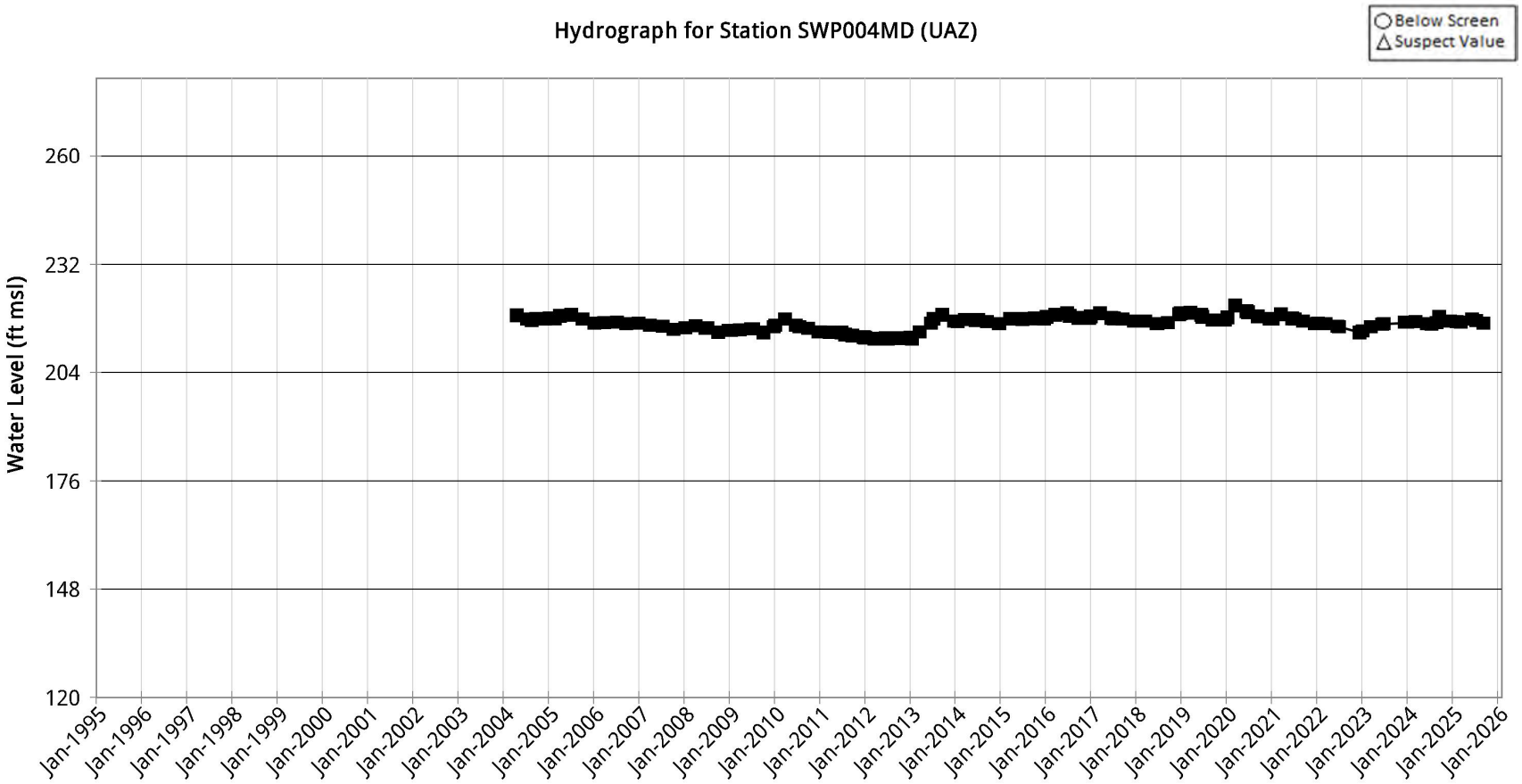
Hydrograph for Station SWP004MD (UAZ)
Below Screen
Suspect Value
Water Level (ft msl)
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232
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148
120
Jan-1995
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Jan-2026

APPENDIX E

F-AREA, H-AREA, AND MIXED WASTE MANAGEMENT FACILITY

TIME SERIES PLOTS

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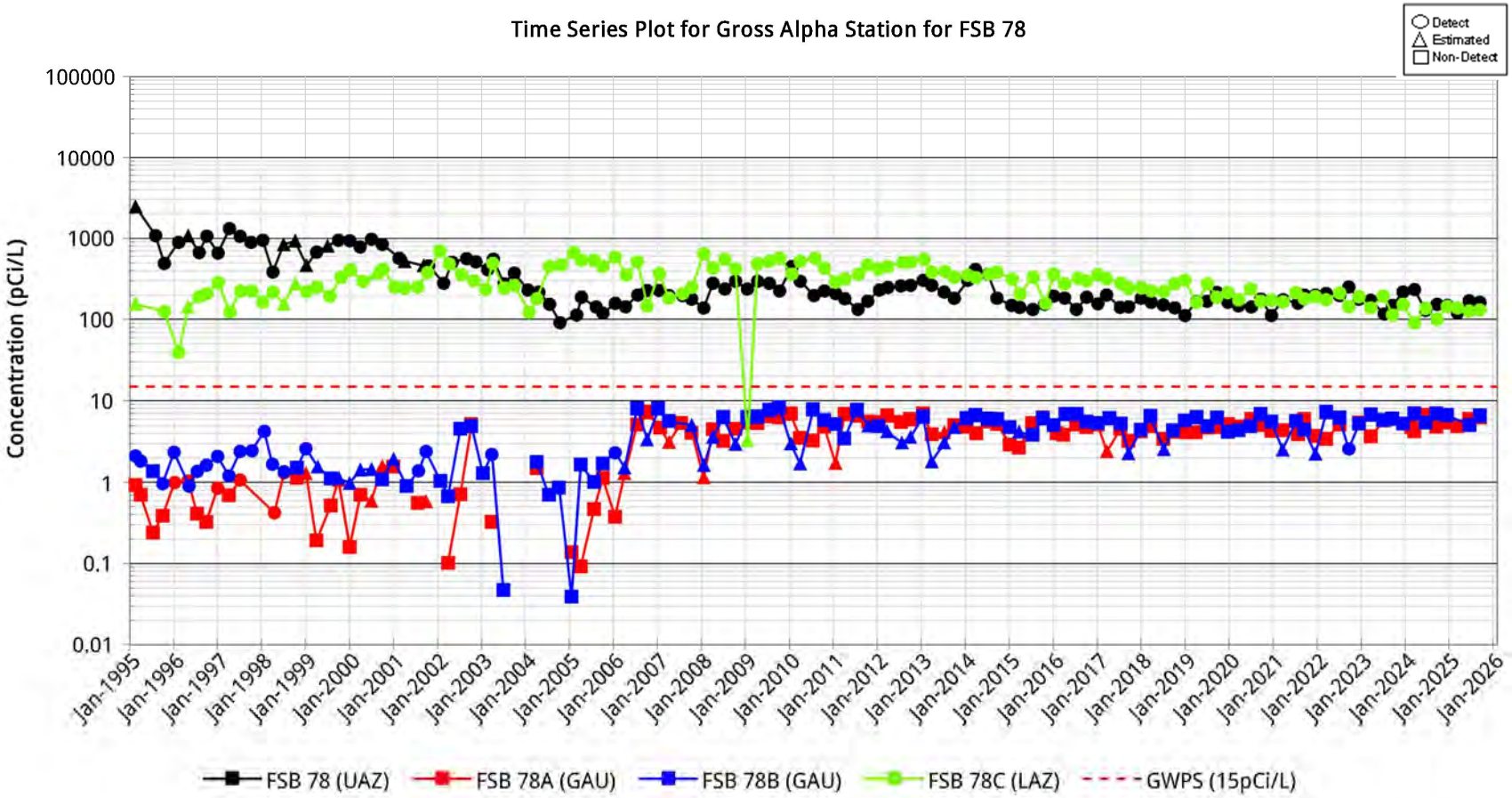
Time Series Plot for Gross Alpha Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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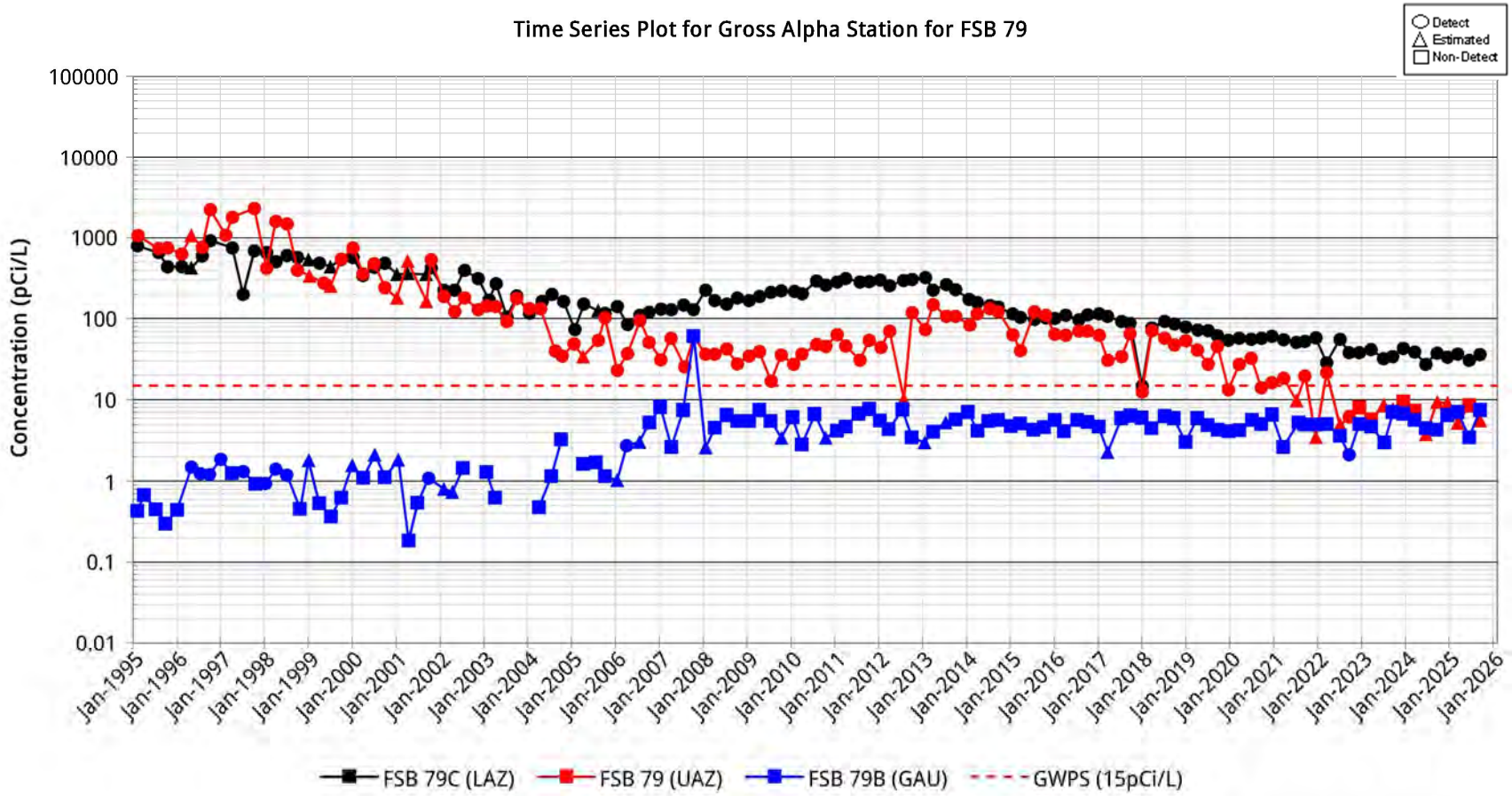
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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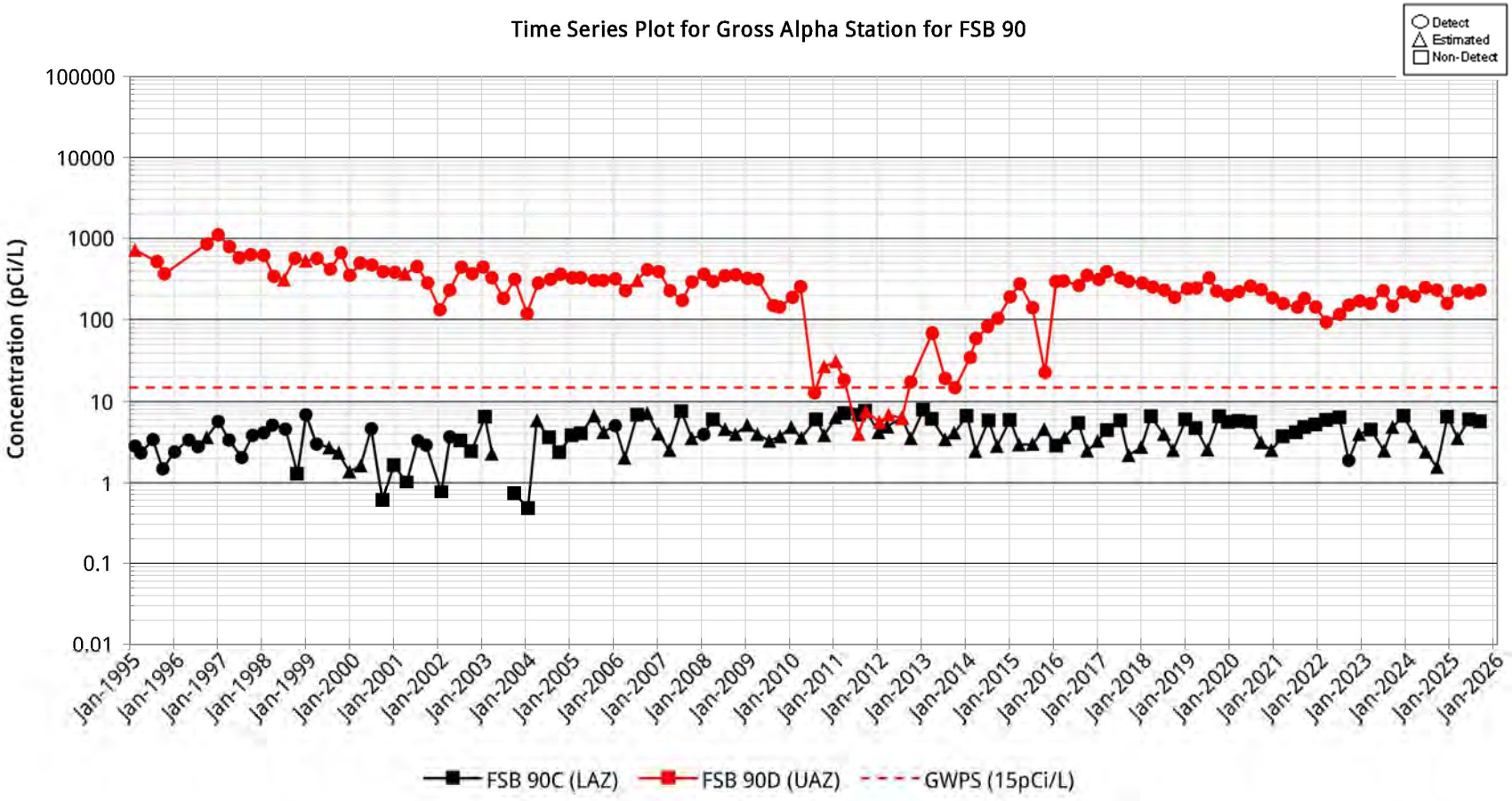
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
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100
10
1
0.1
0.01
Jan-1995
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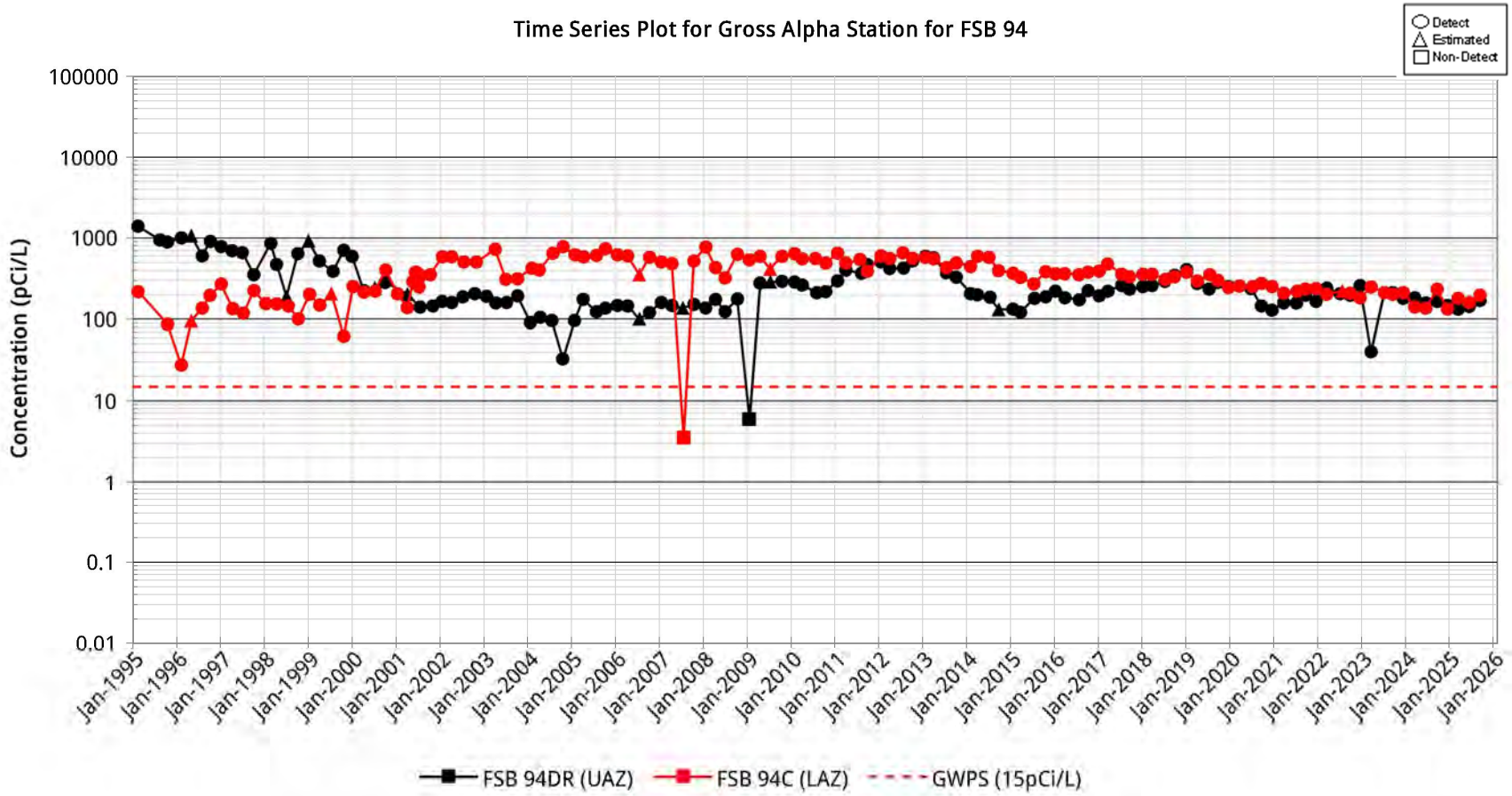
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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10000
1000
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10
1
0.1
0.01
Jan-1995
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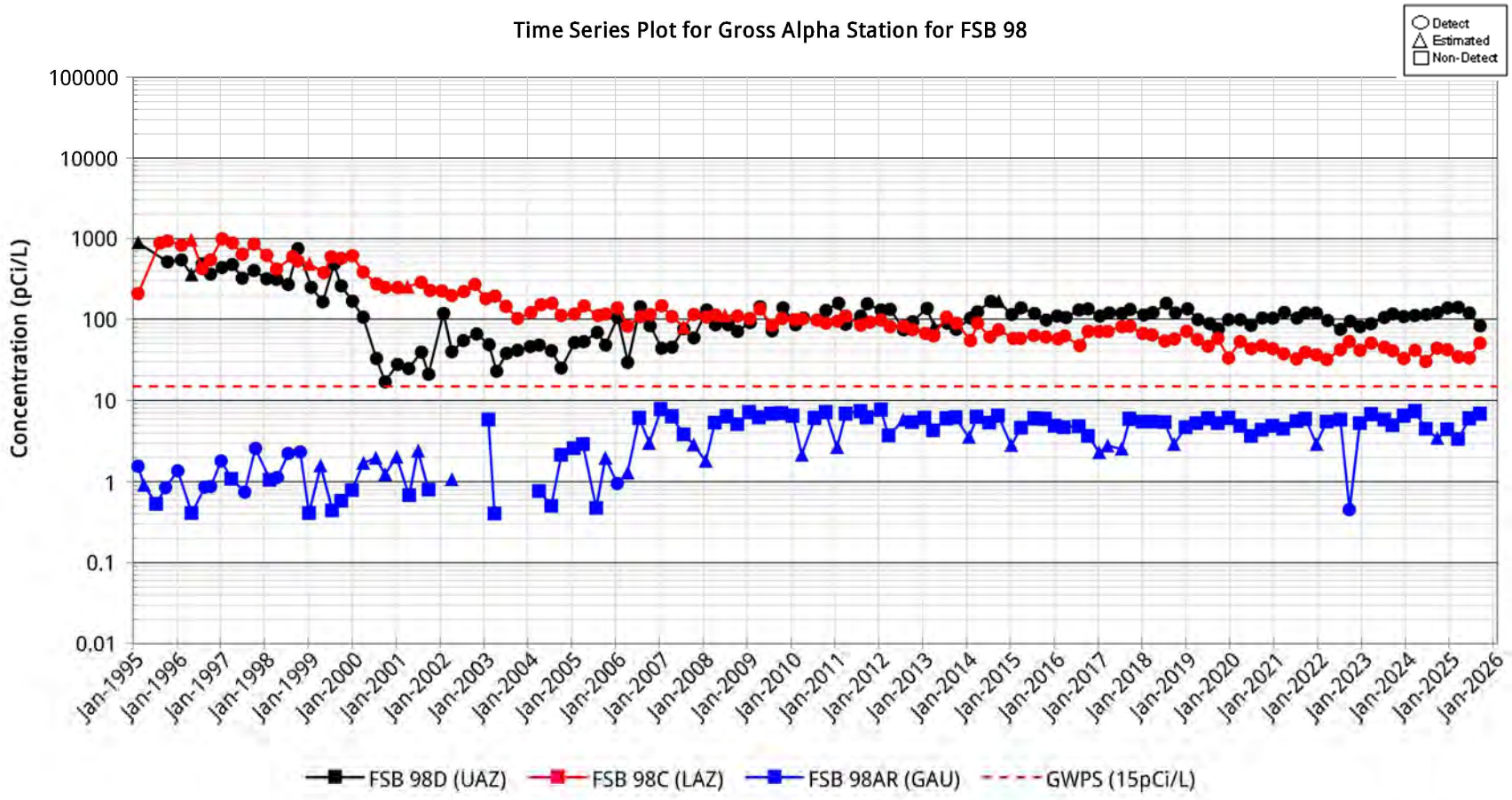
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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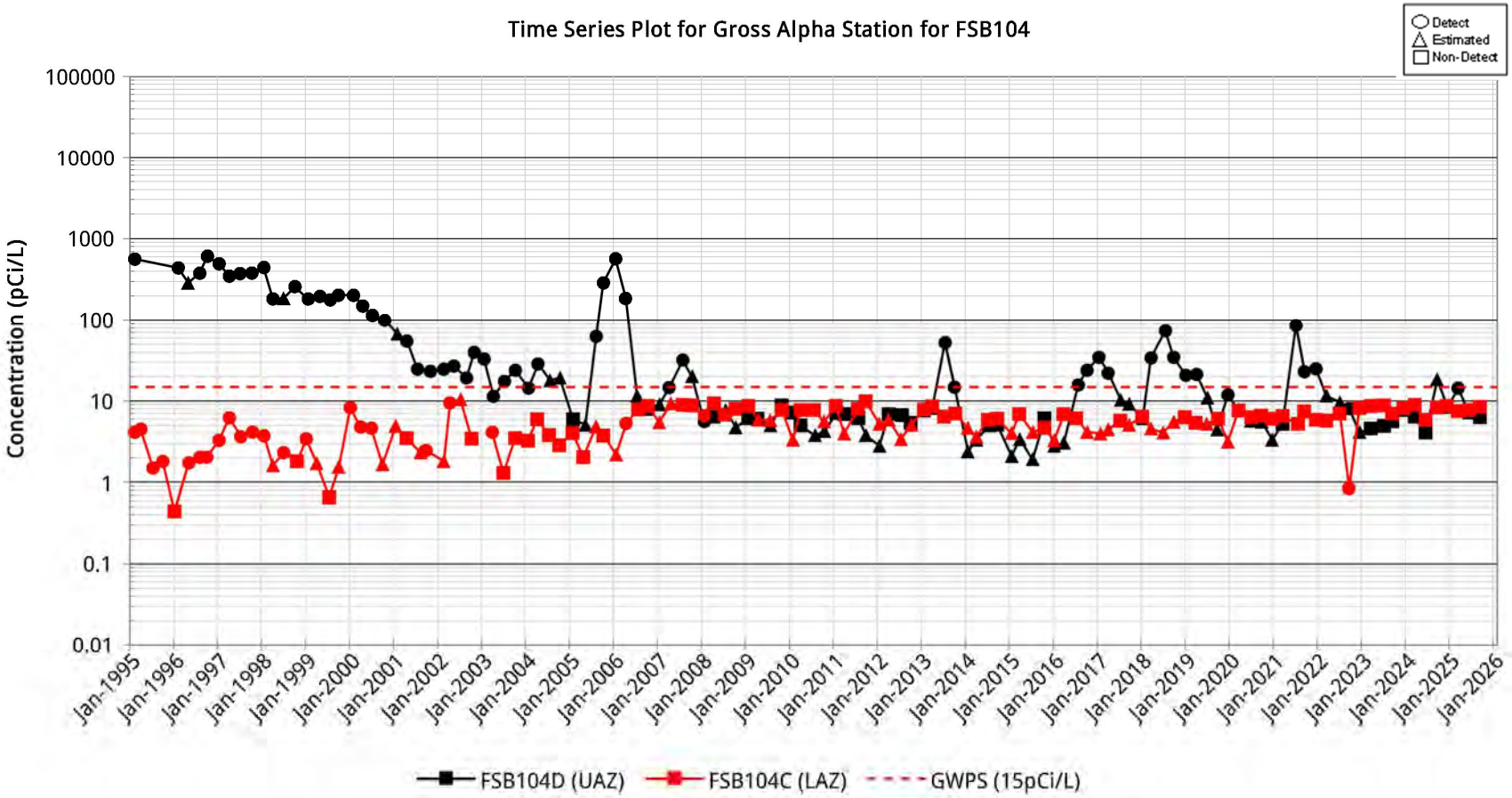
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB104
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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10000
1000
100
10
1
0.1
0.01
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Jan-1996
Jan-1997
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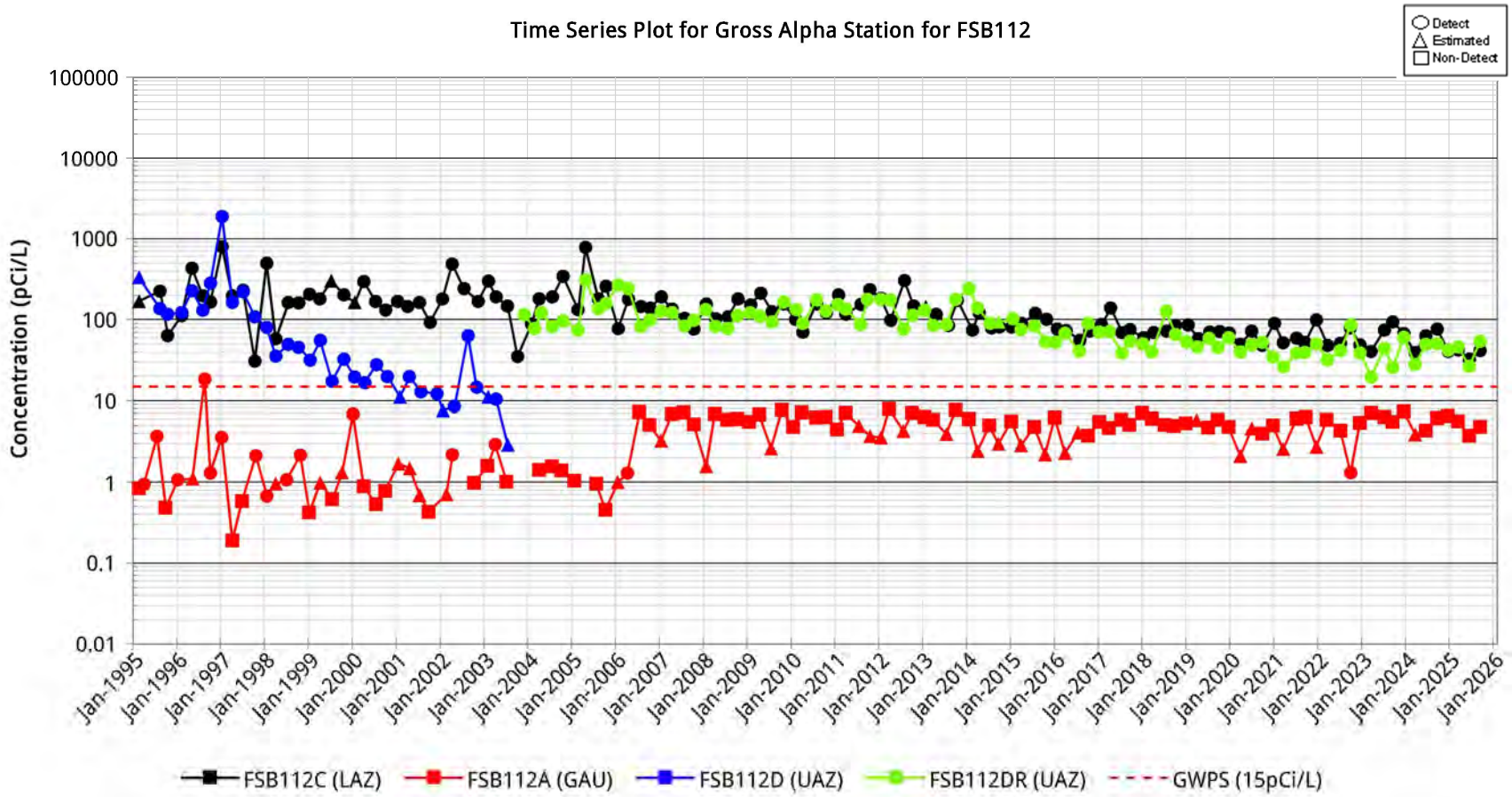
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB112
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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100
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1
0.1
0.01
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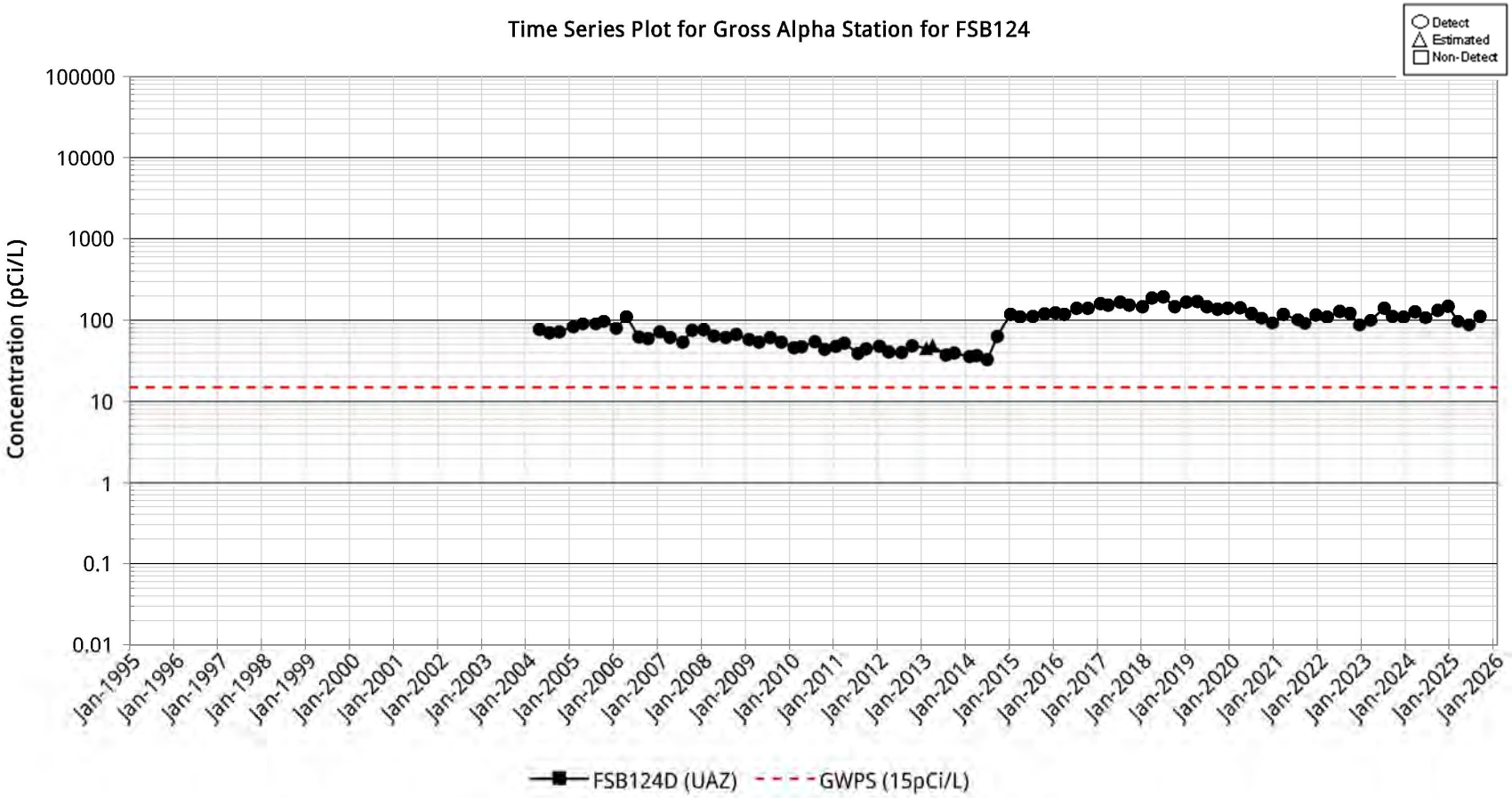
FSB112C (LAZ)
FSB112A (GAU)
FSB112D (UAZ)
FSB112DR (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB124
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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Jan-1995
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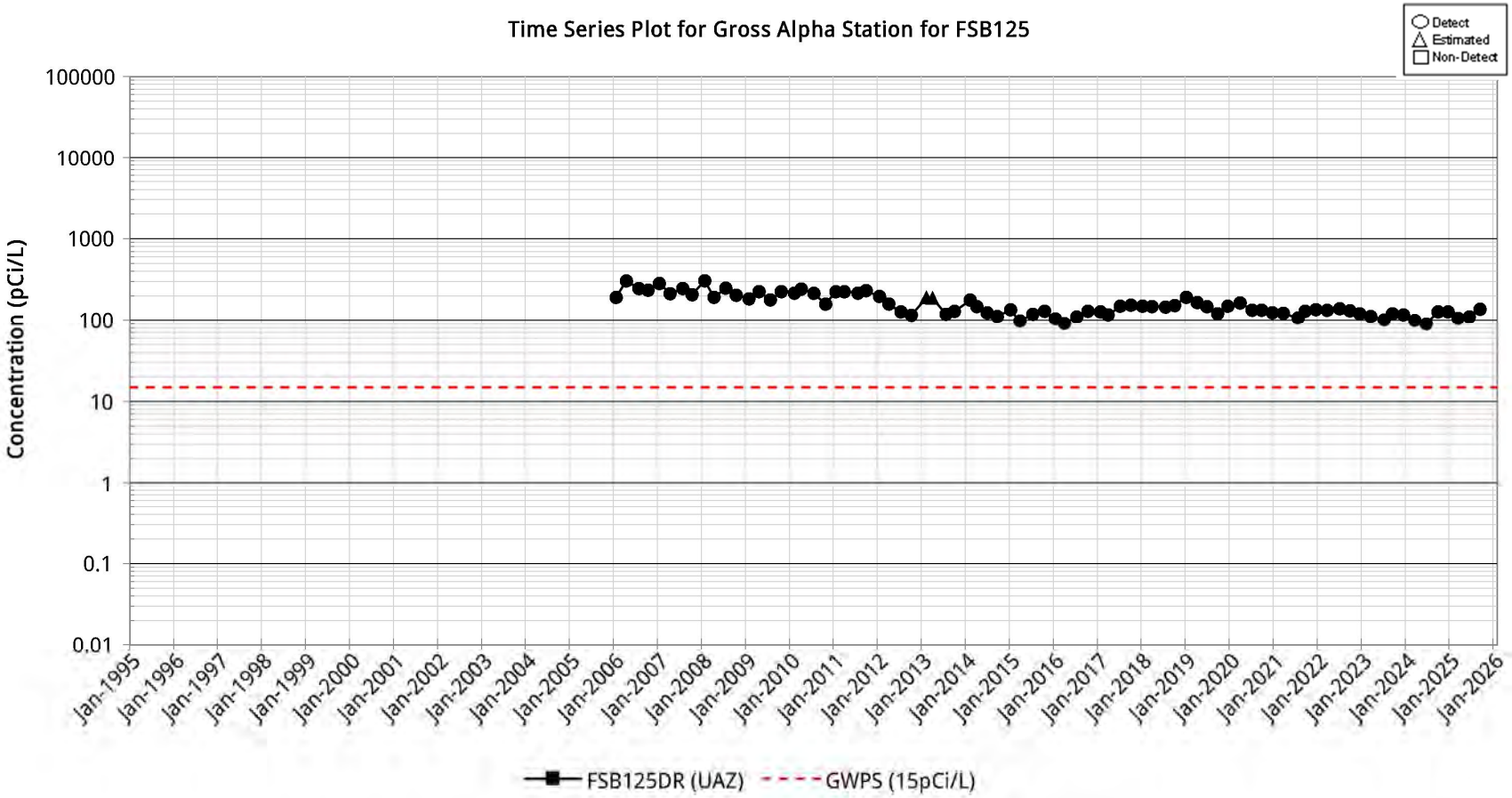
FSB124D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB125
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
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100
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0.1
0.01
Jan-1995
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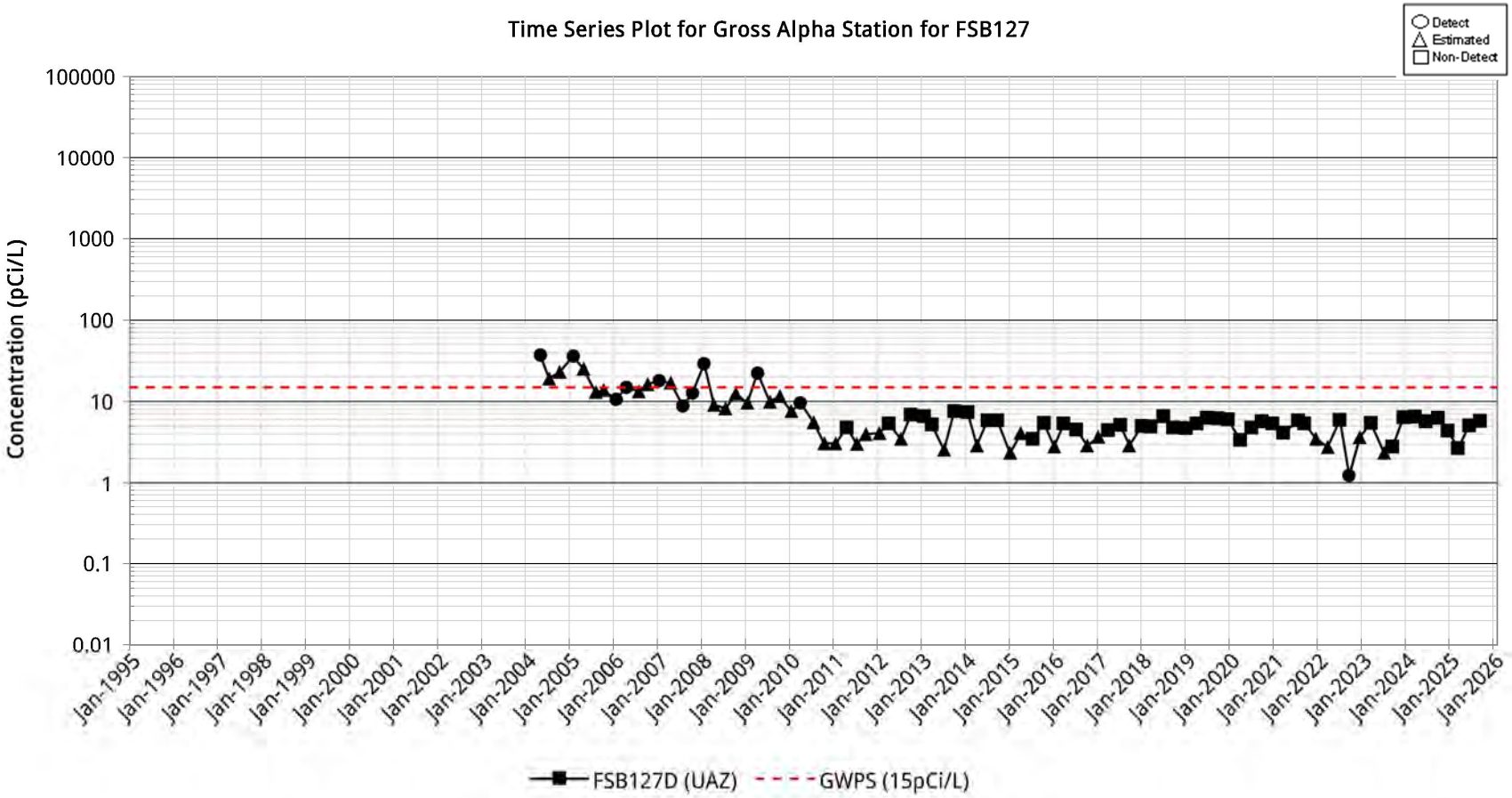
FSB125DR (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB127
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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100
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1
0.1
0.01
Jan-1995
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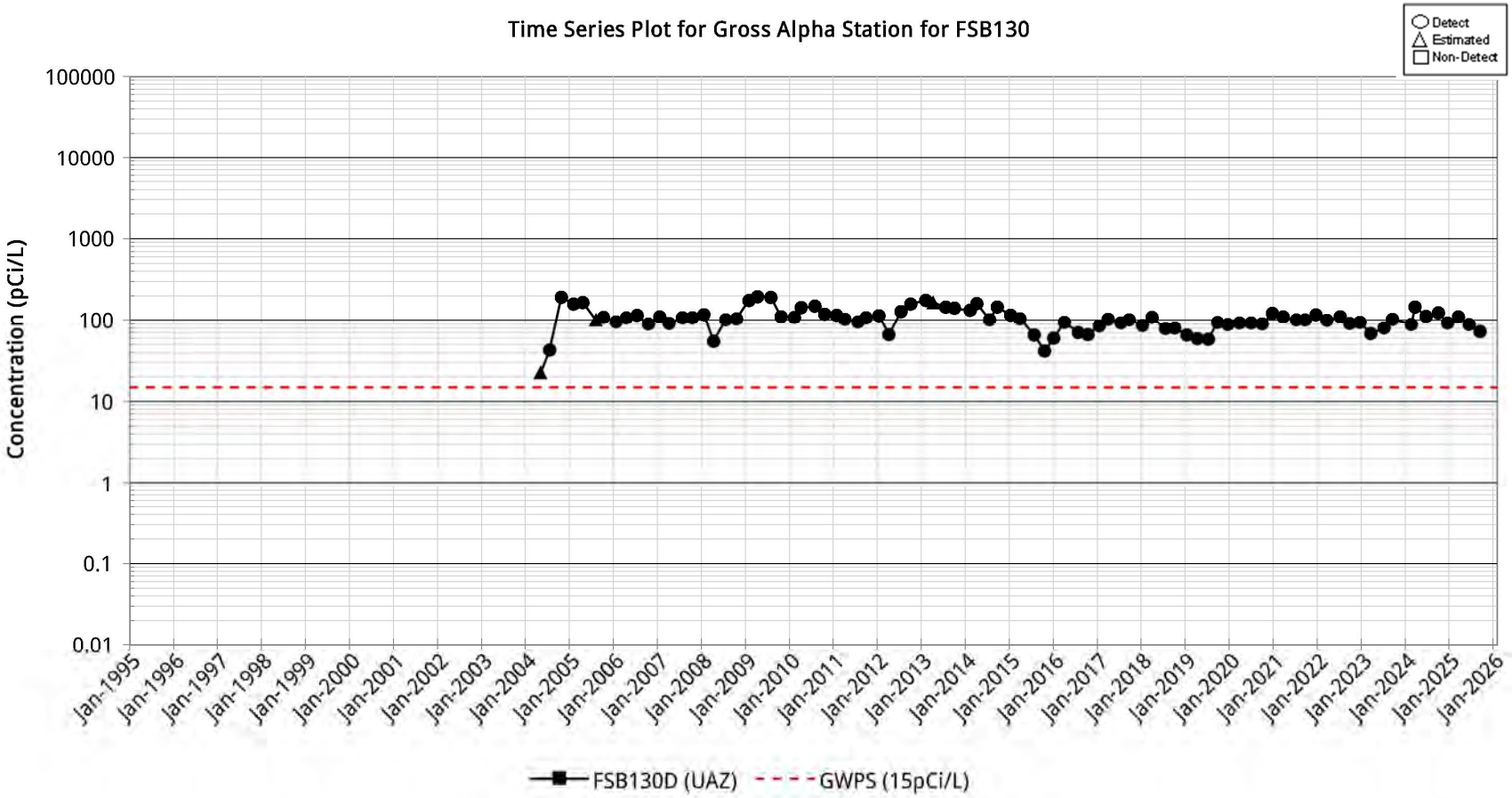
FSB127D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB130
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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10000
1000
100
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1
0.1
0.01
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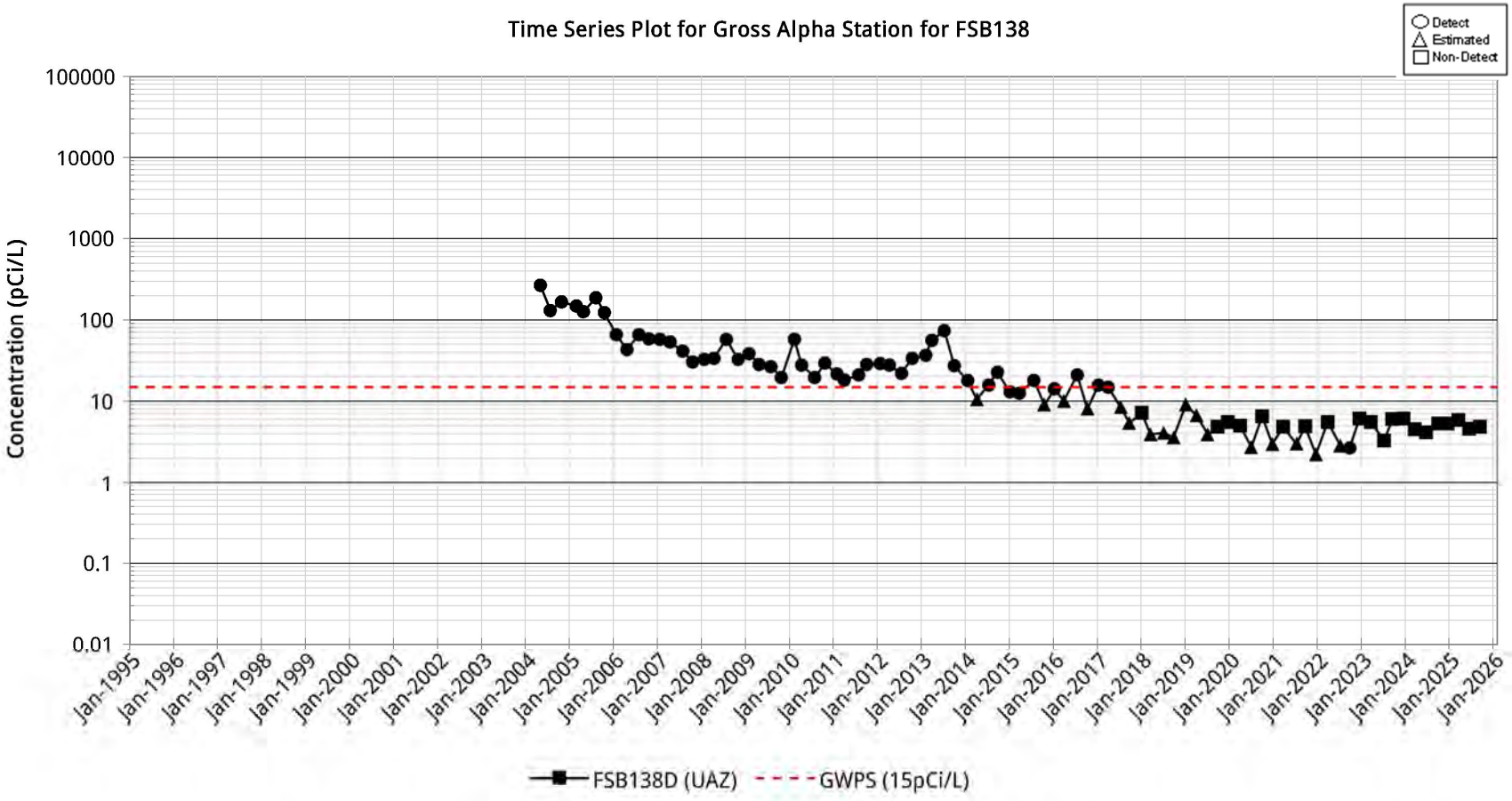
FSB130D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for FSB138
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
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Jan-1995
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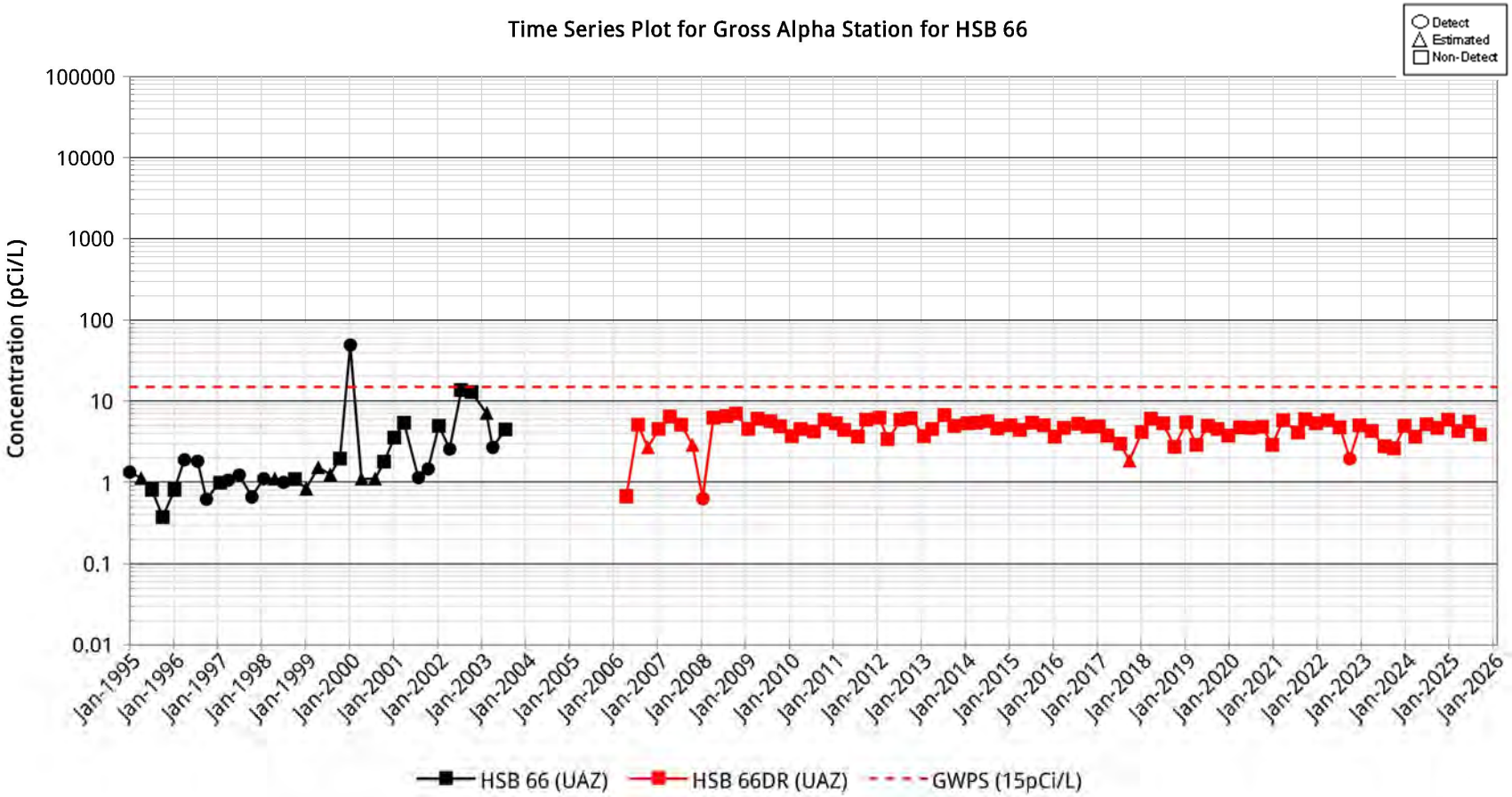
FSB138D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
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100
10
1
0.1
0.01
Jan-1995
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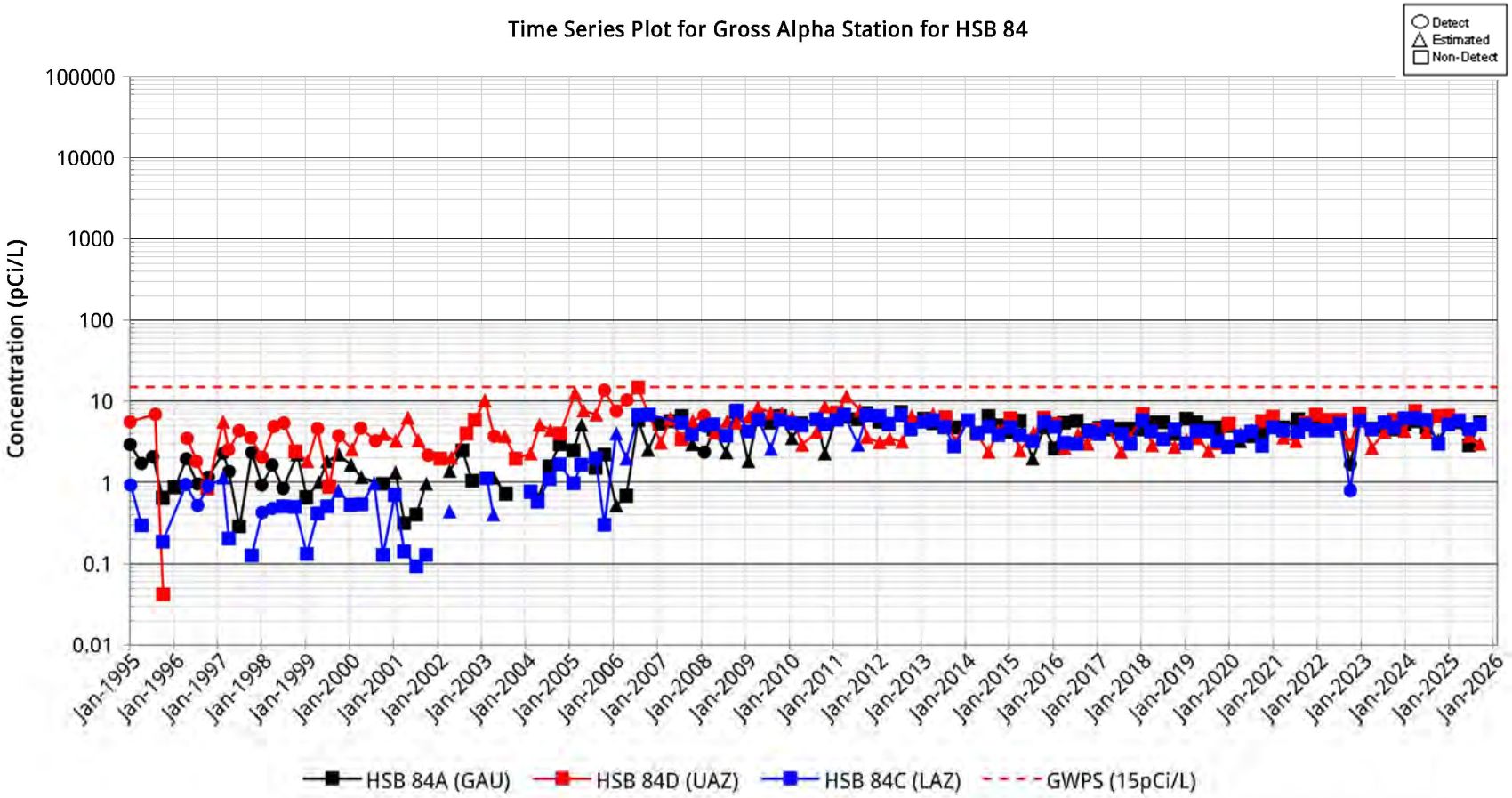
HSB 66 (UAZ)
HSB 66DR (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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100
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0.1
0.01
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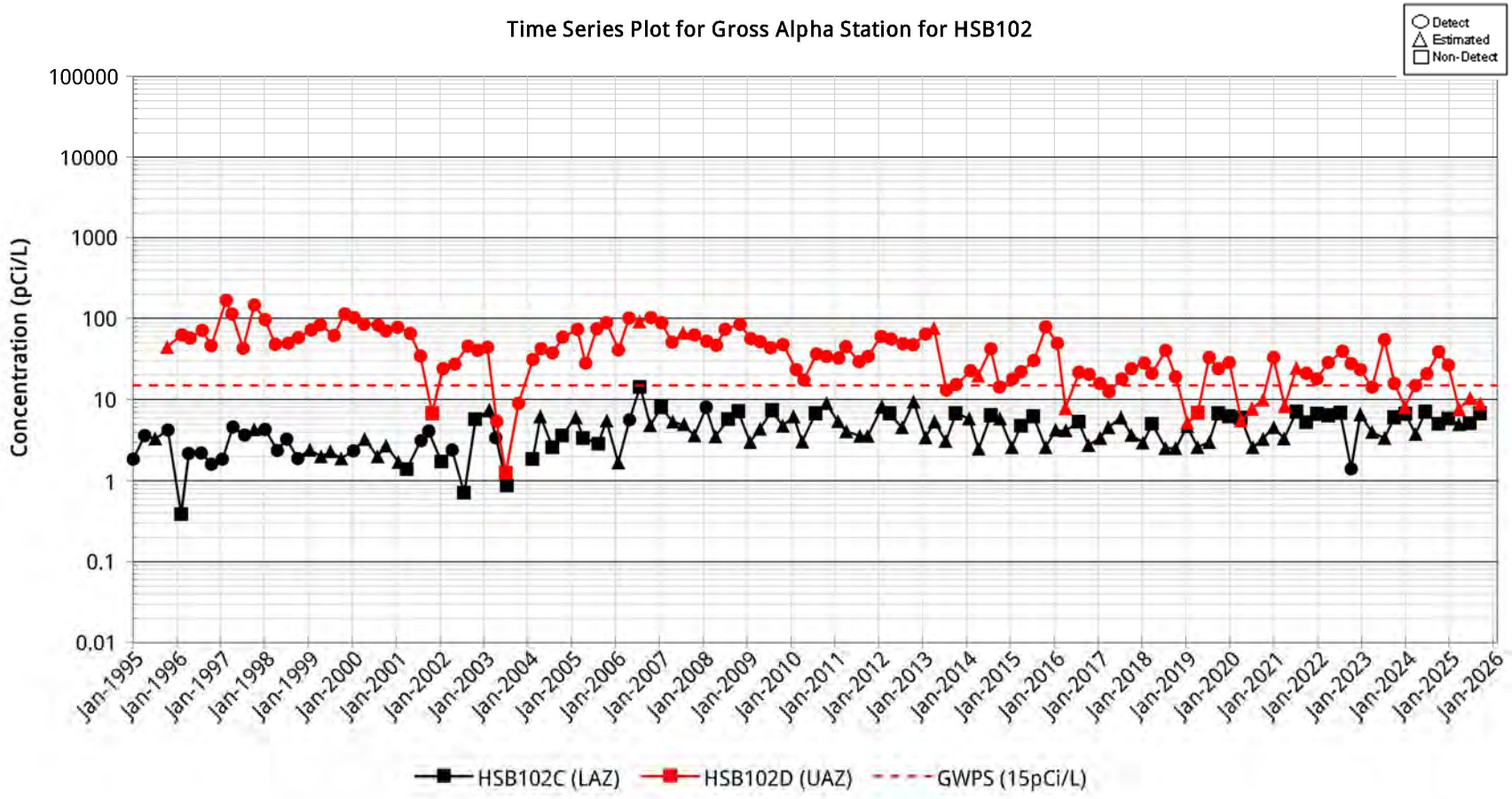
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB102
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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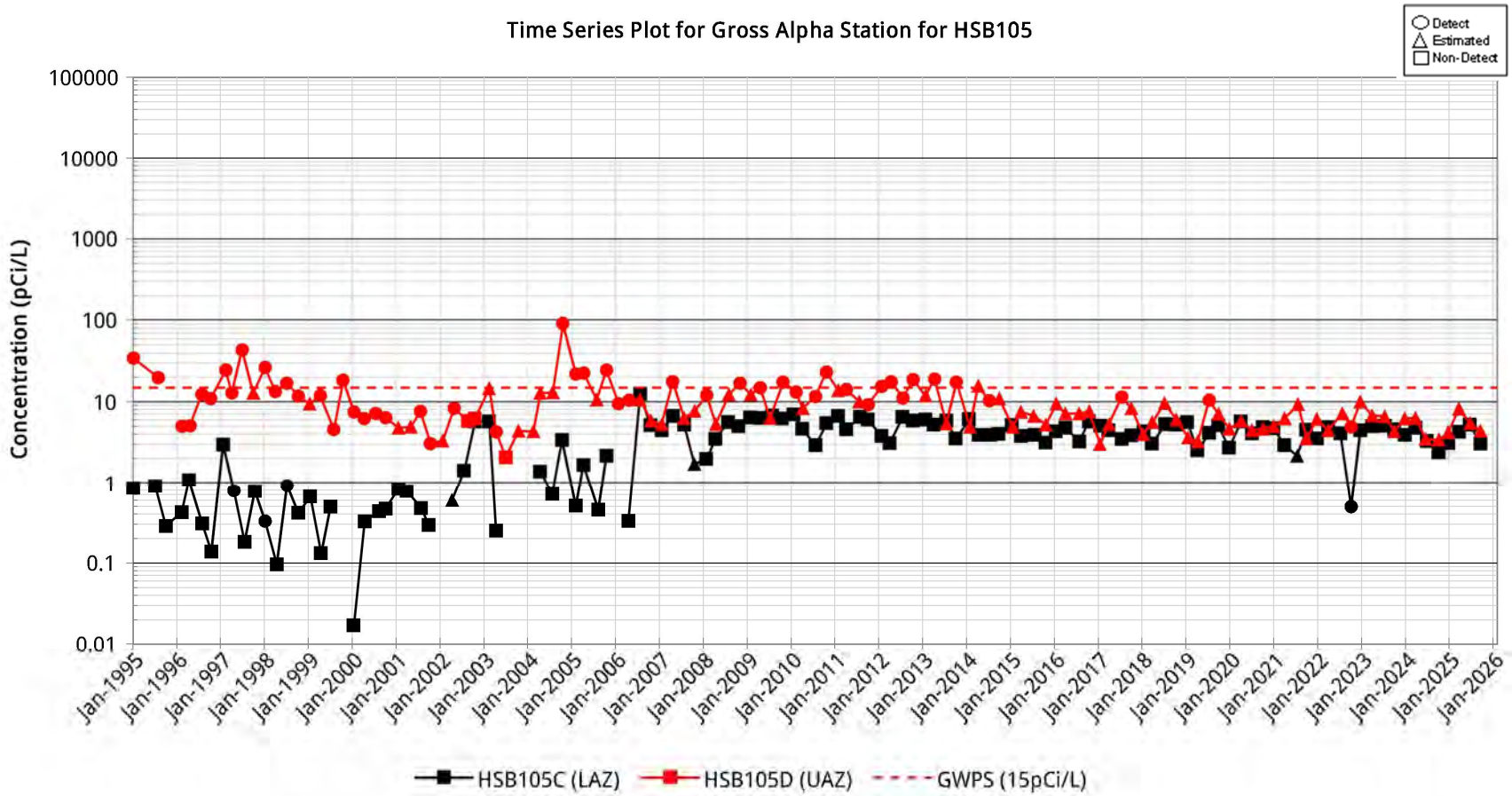
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB105
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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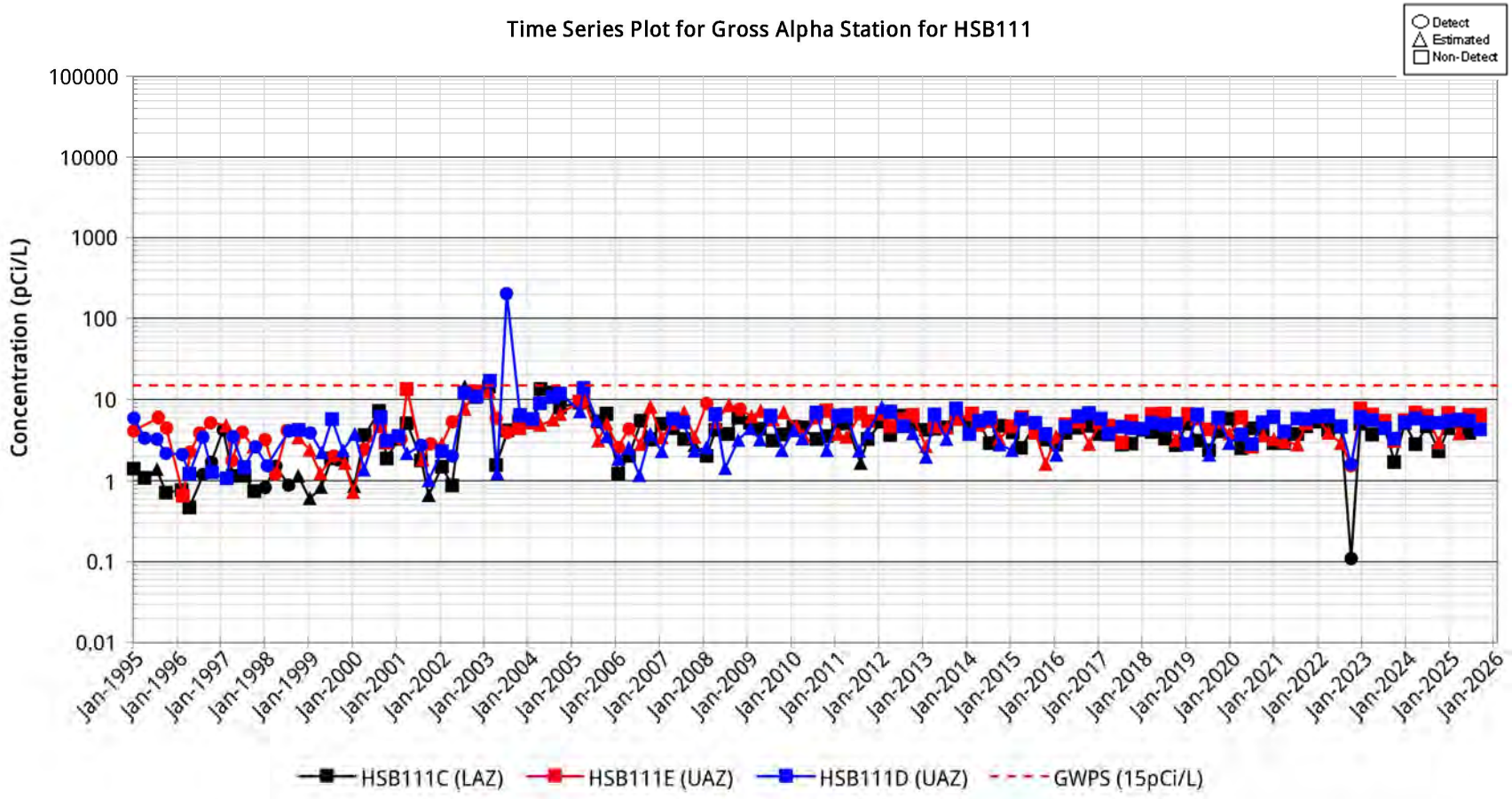
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB111
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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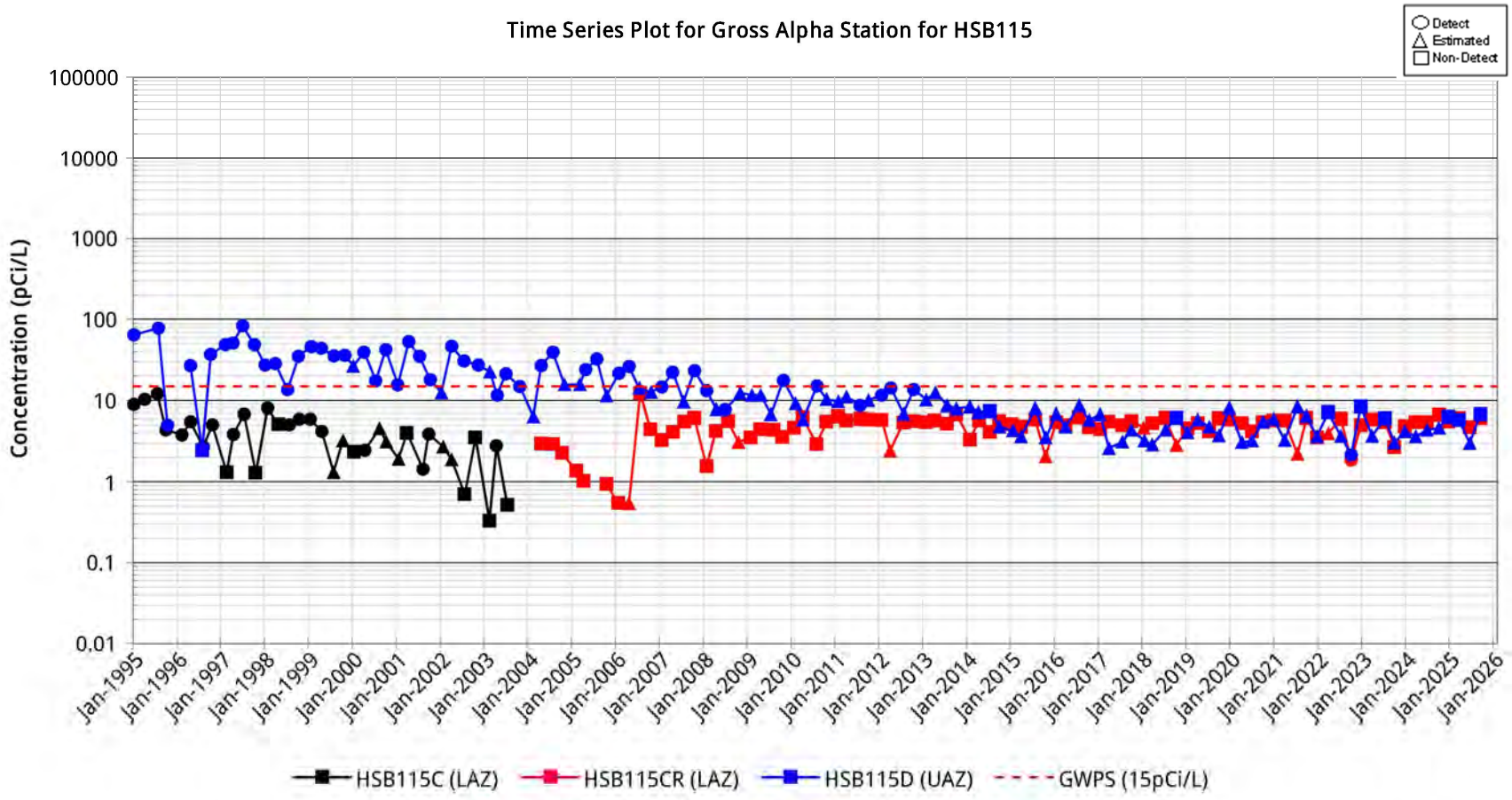
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB115
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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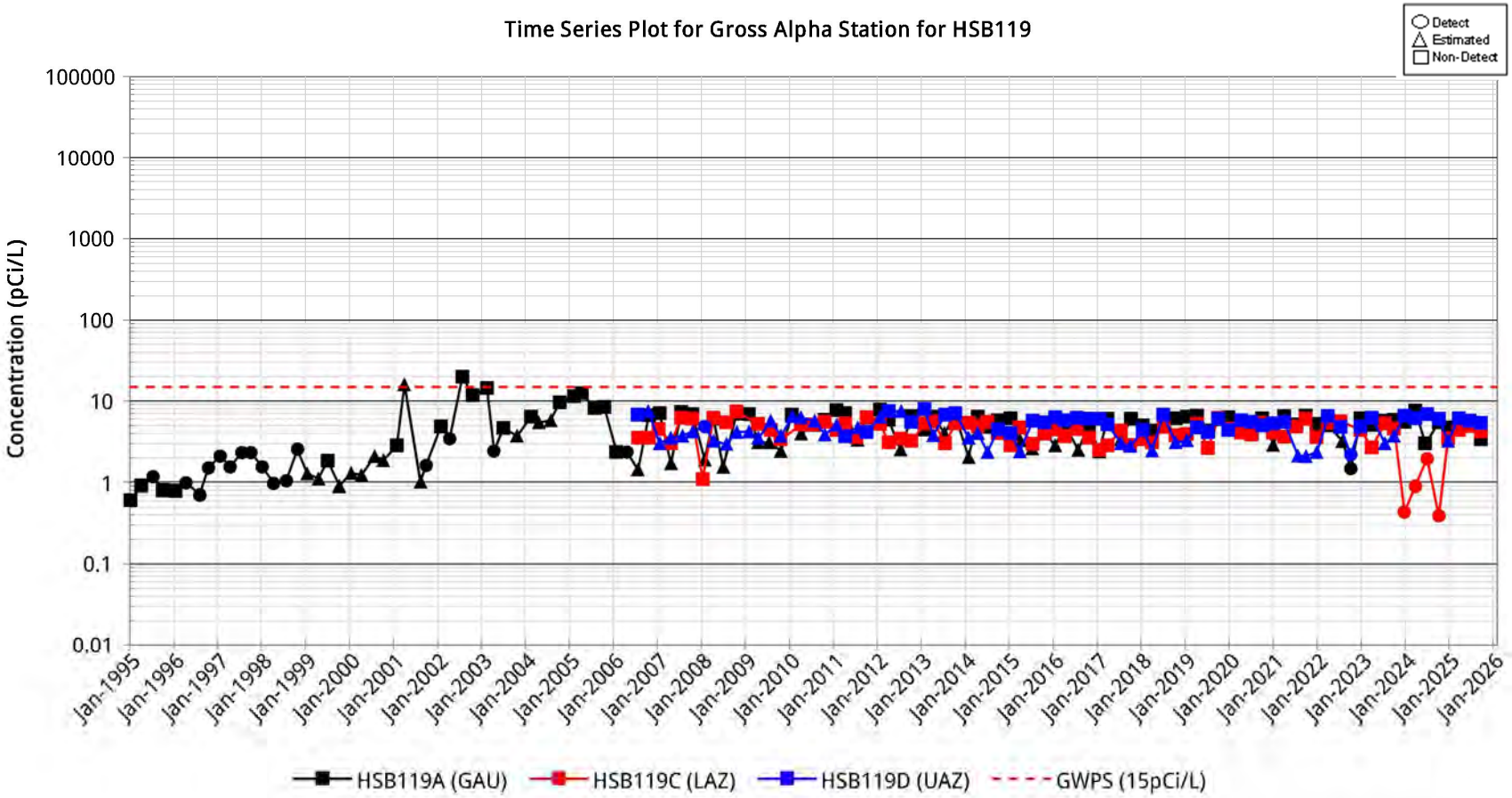
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB115C (LAZ)
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB119
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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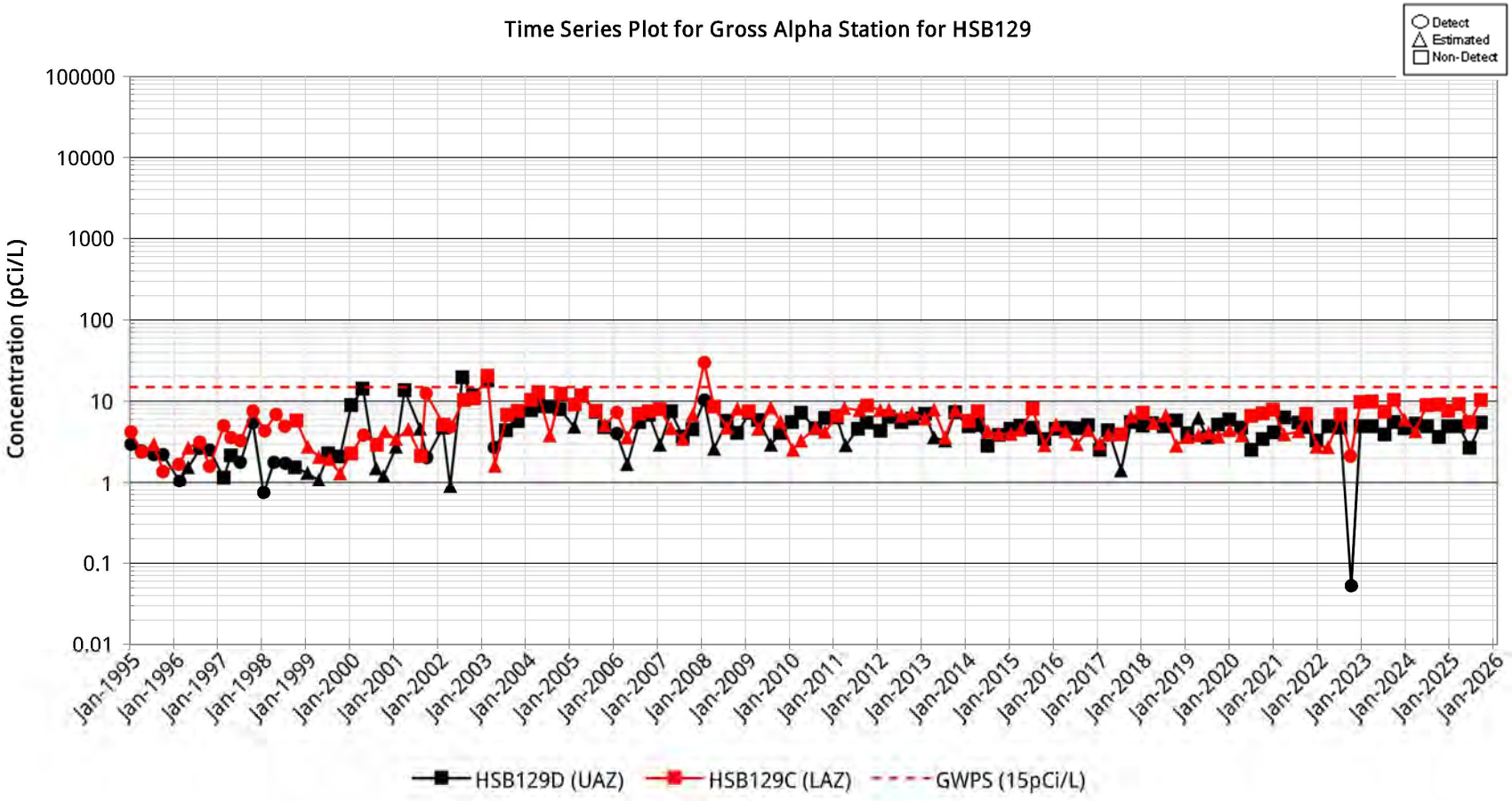
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB129
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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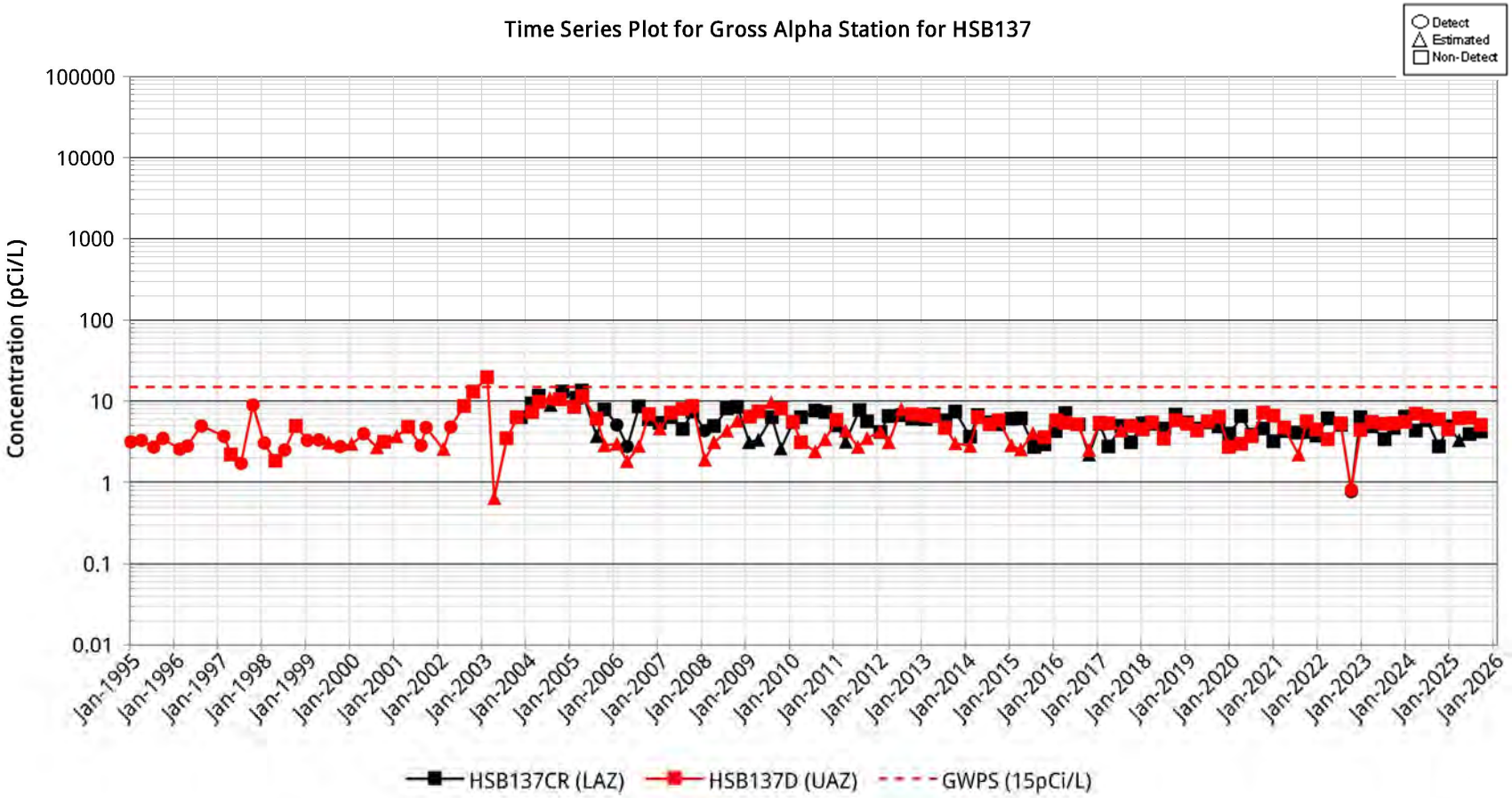
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Gross Alpha Station for HSB137
Detect
Estimated
Non-Detect
Concentration (pCi/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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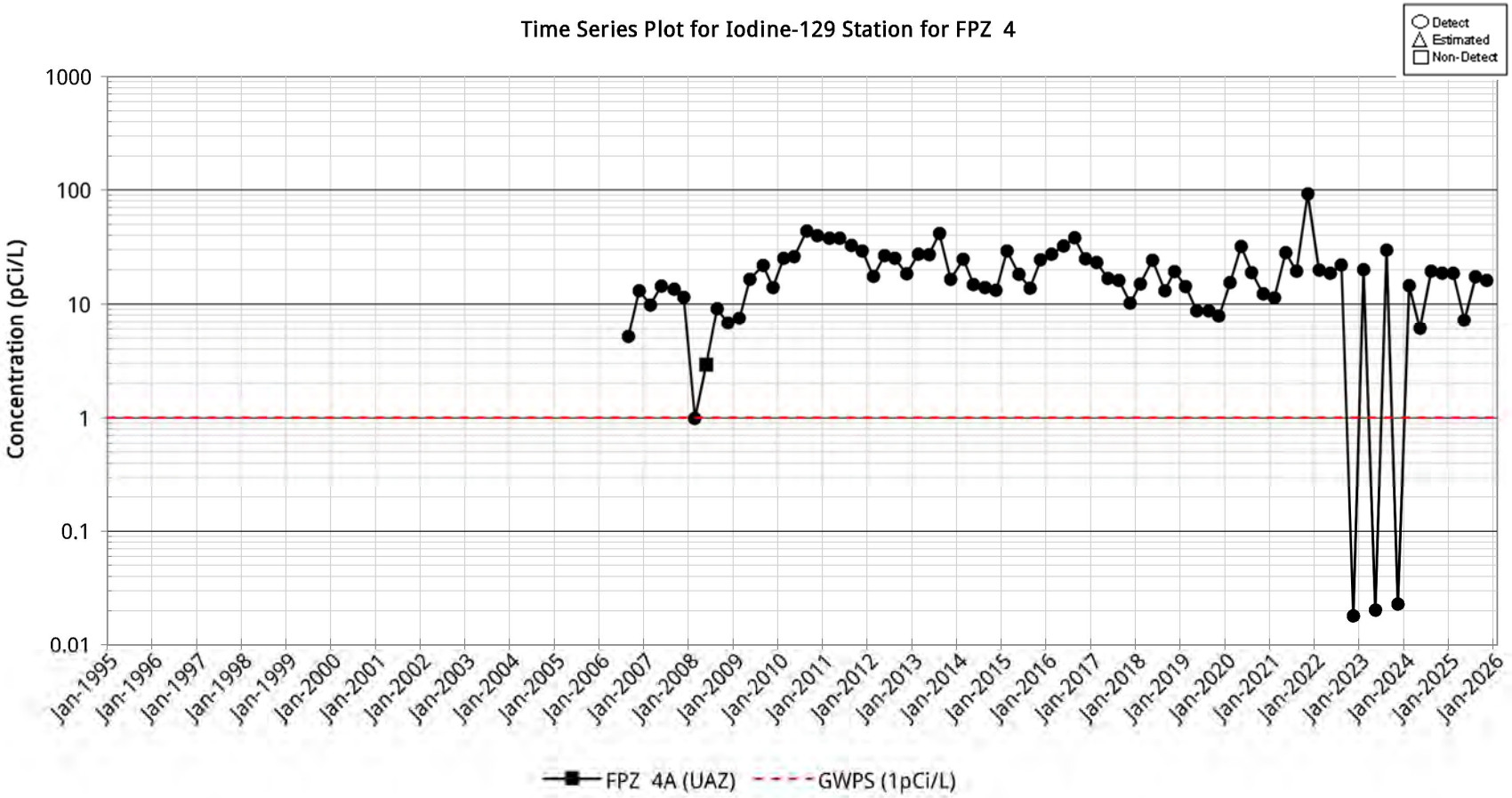
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Iodine-129 Station for FPZ 4
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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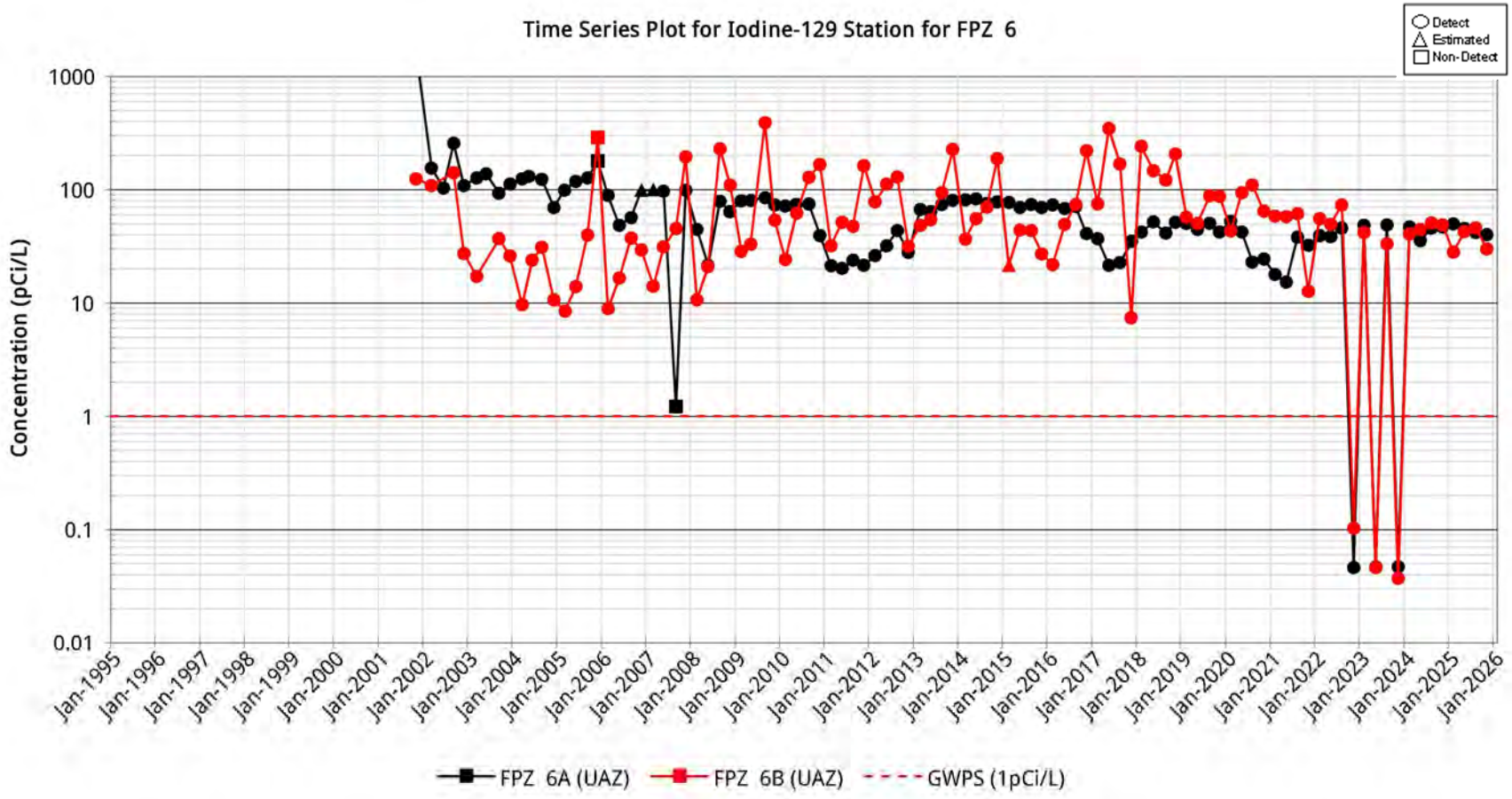
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FPZ 4A (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FPZ 6
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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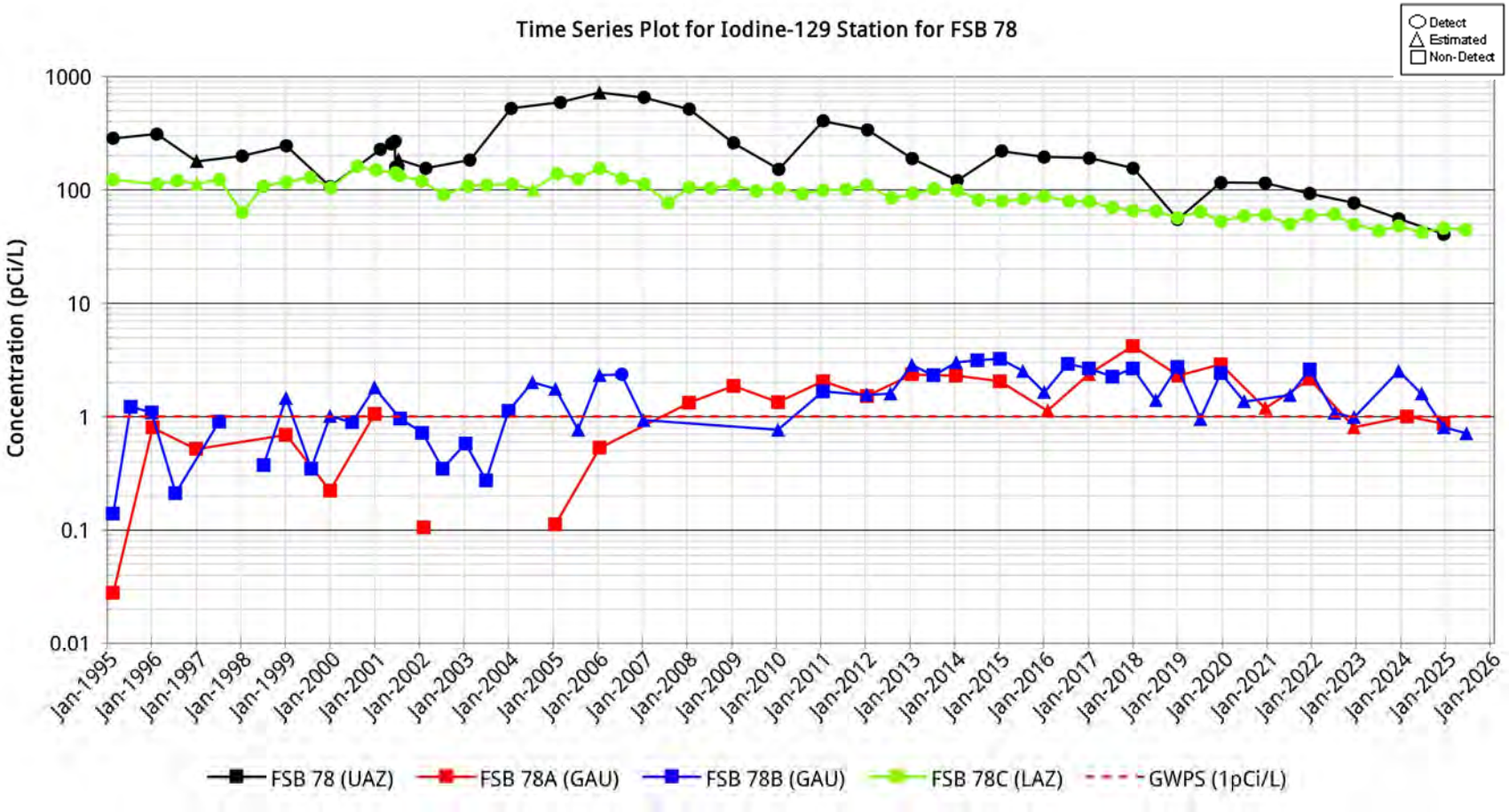
Jan-2024
Jan-2025
Jan-2026
FPZ 6A (UAZ)
FPZ 6B (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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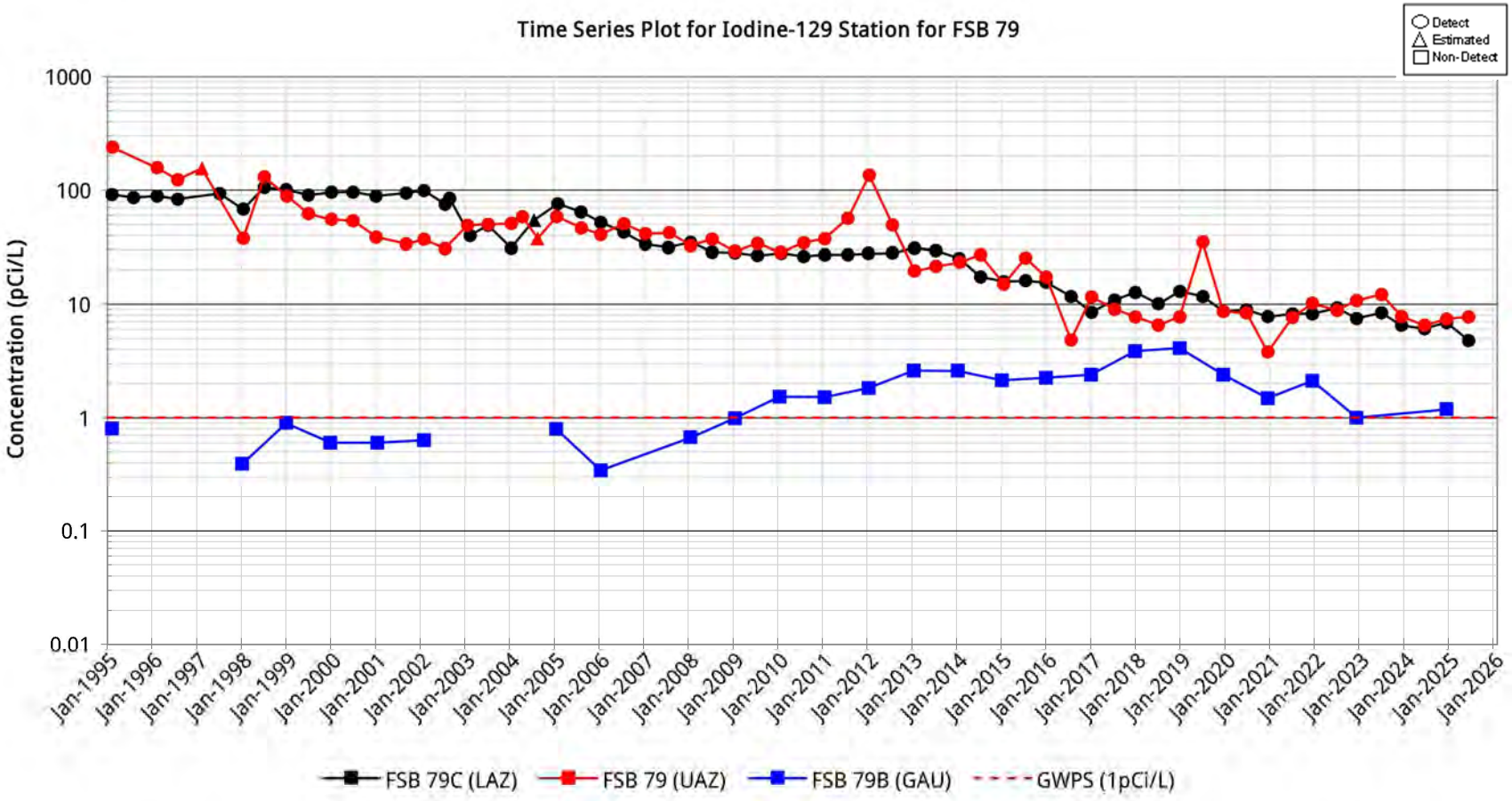
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2023
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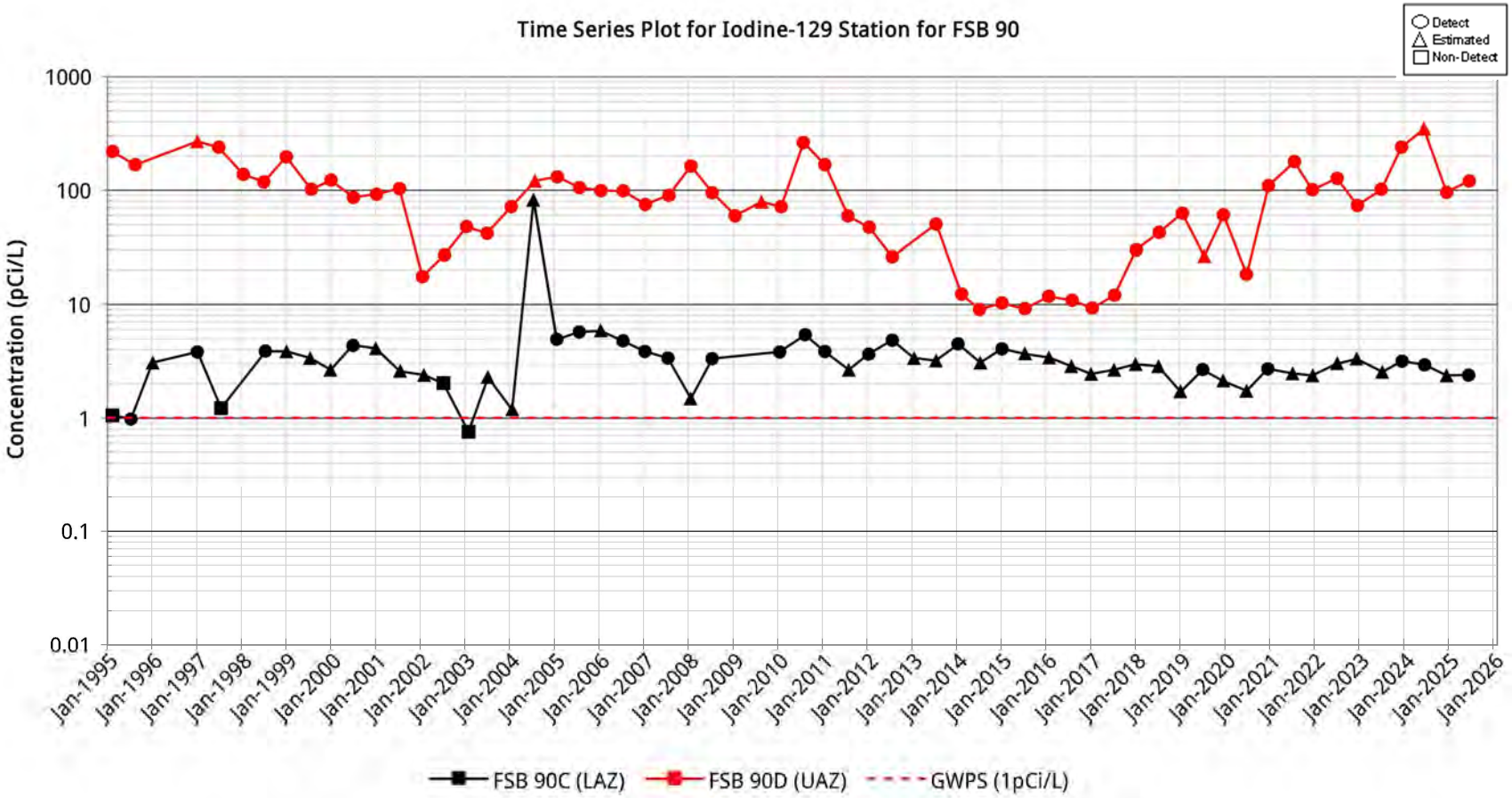
Jan-2025
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2021
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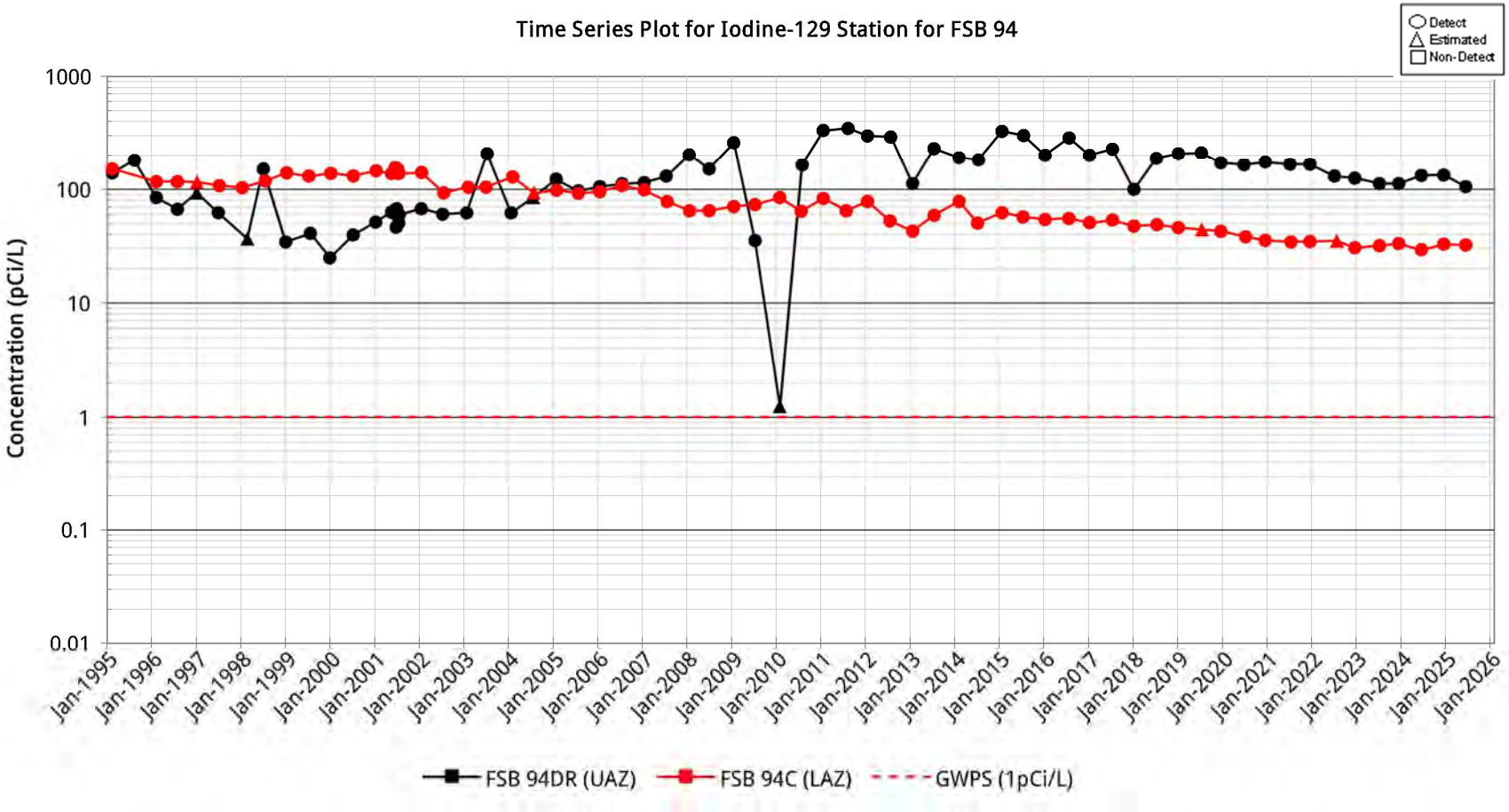
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2021
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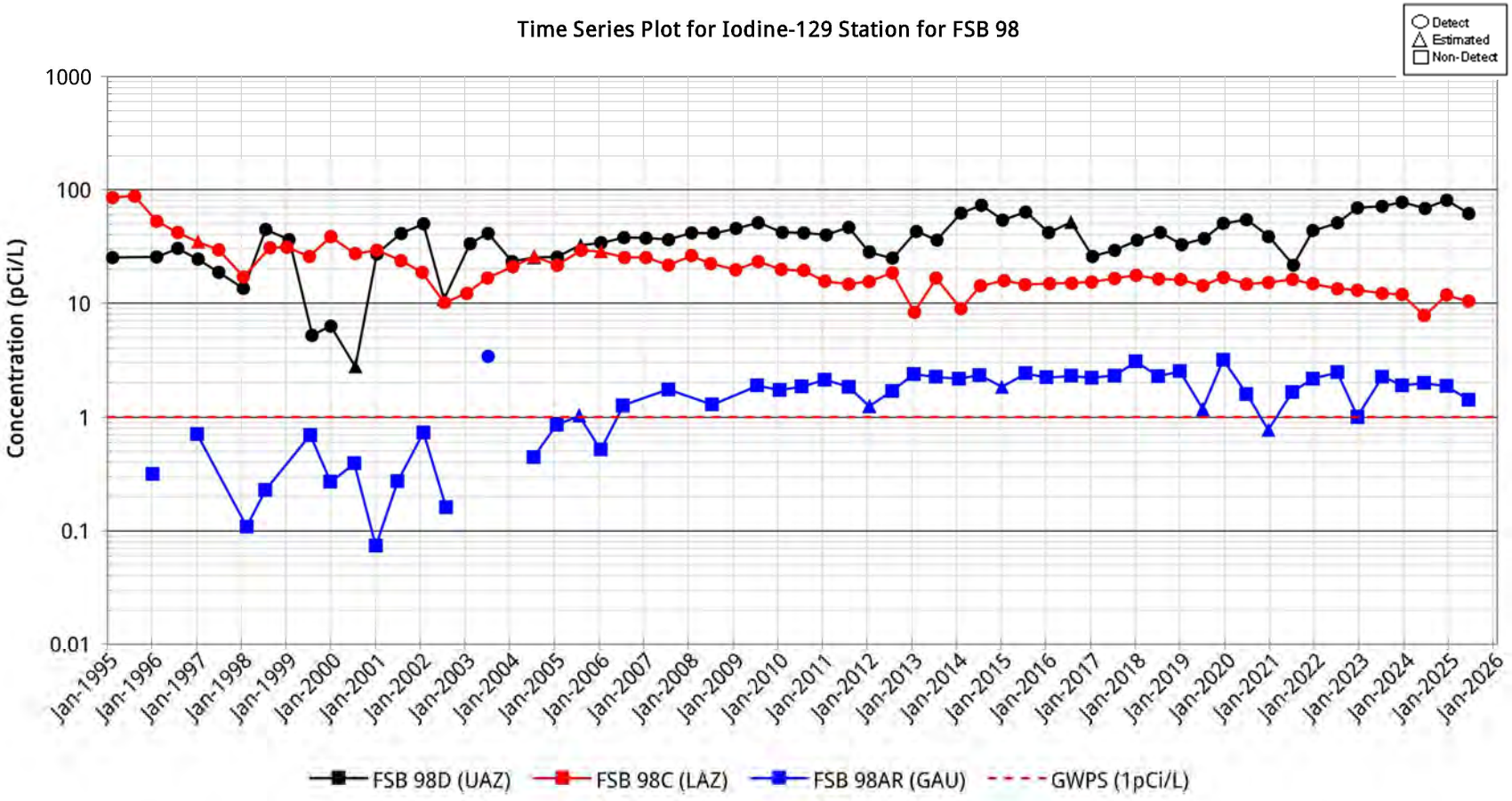
Jan-2025
Jan-2026
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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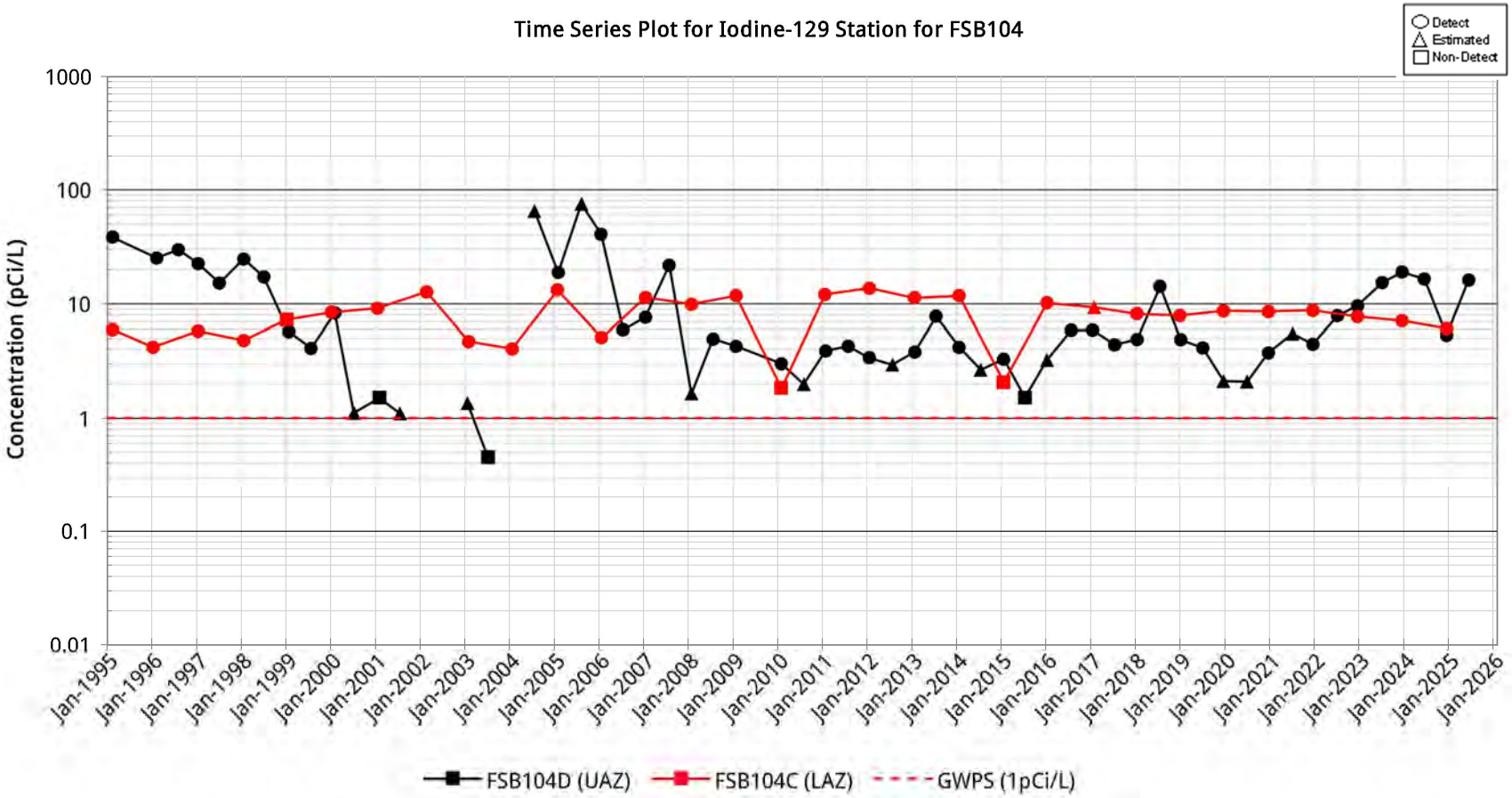
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB104
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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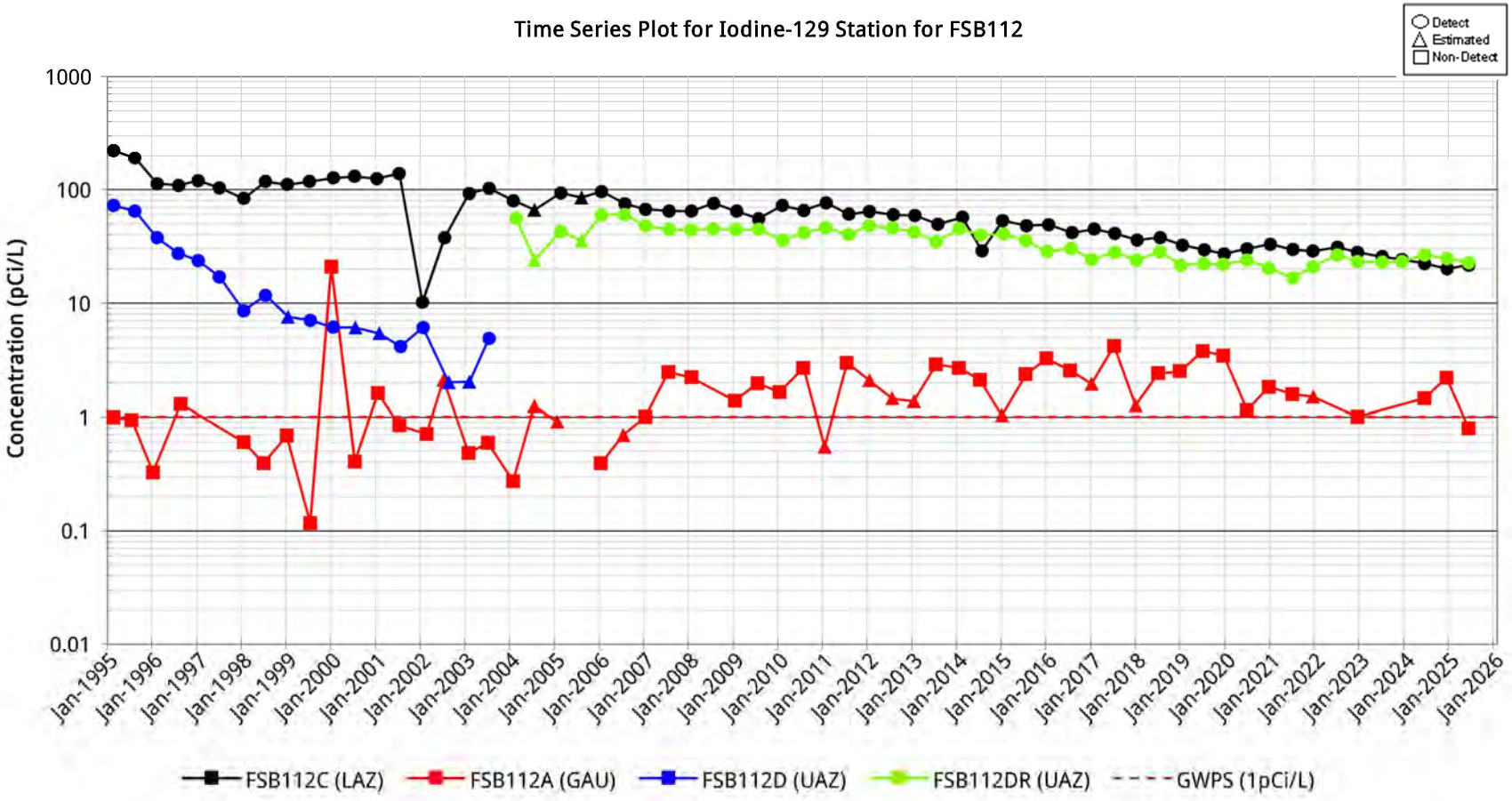
Jan-2025
Jan-2026
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB112
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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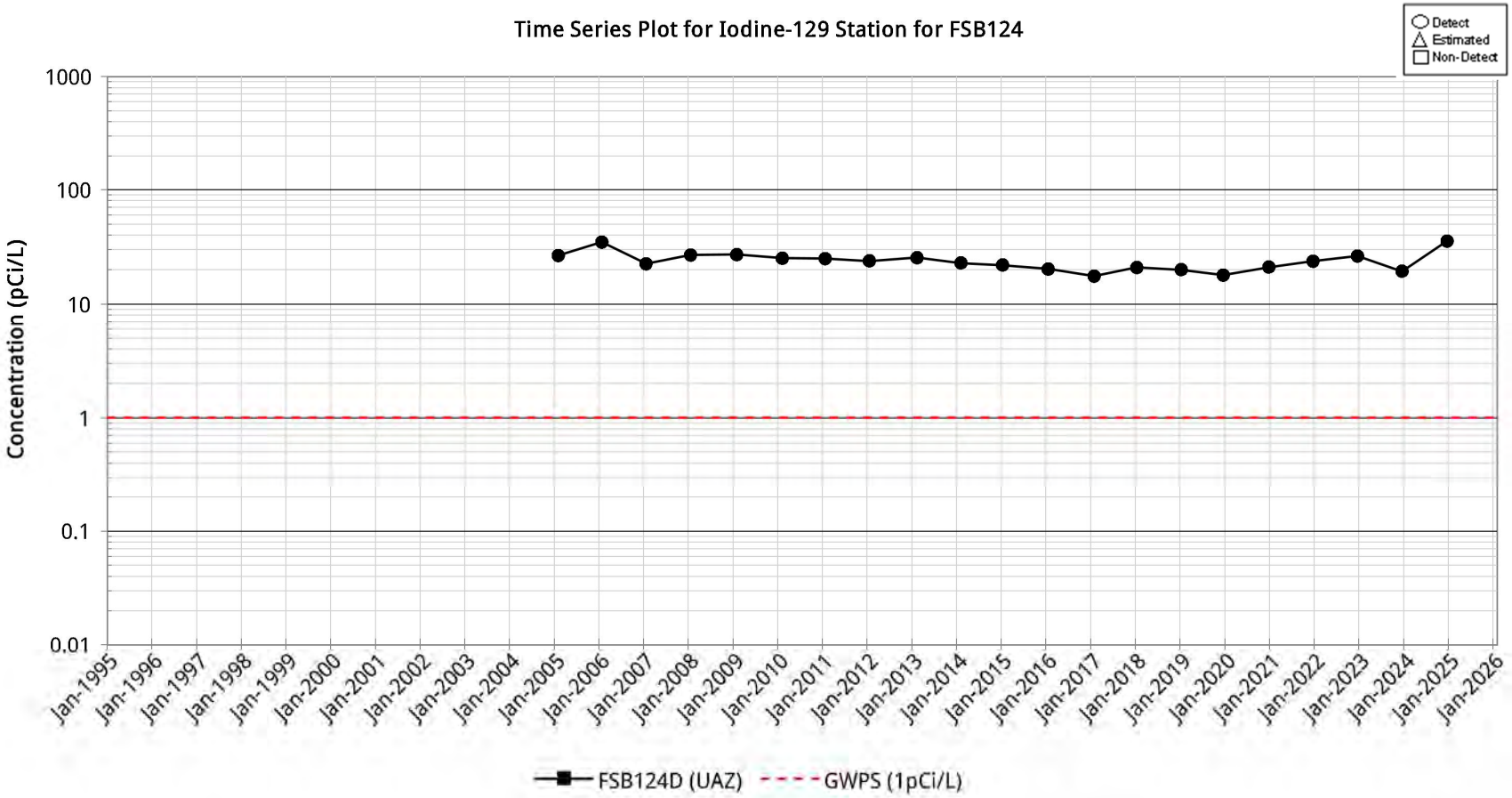
FSB112C (LAZ)
FSB112A (GAU)
FSB112D (UAZ)
FSB112DR (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB124
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-1998
Jan-1999
Jan-2000
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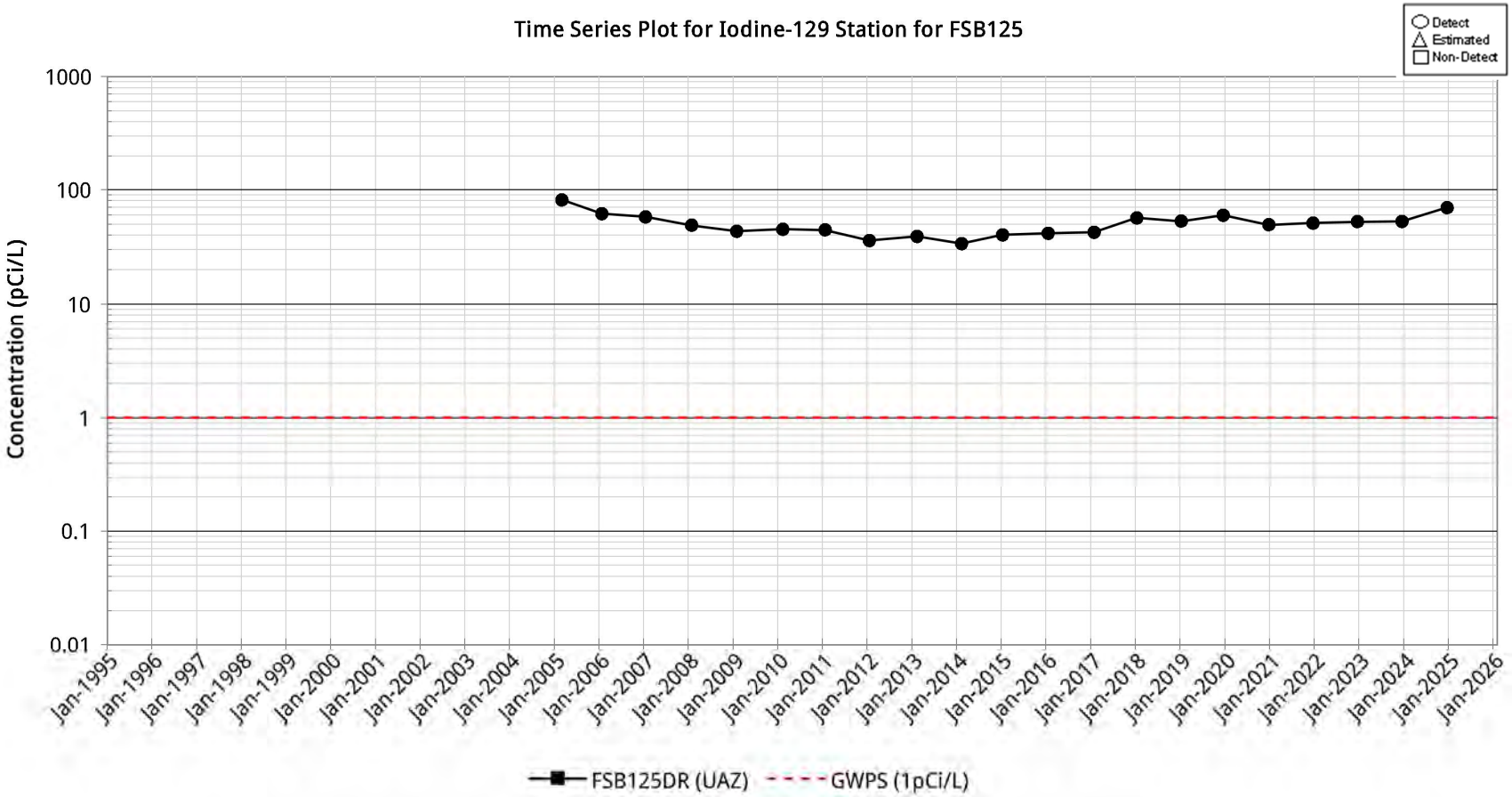
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB124D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB125
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-2023
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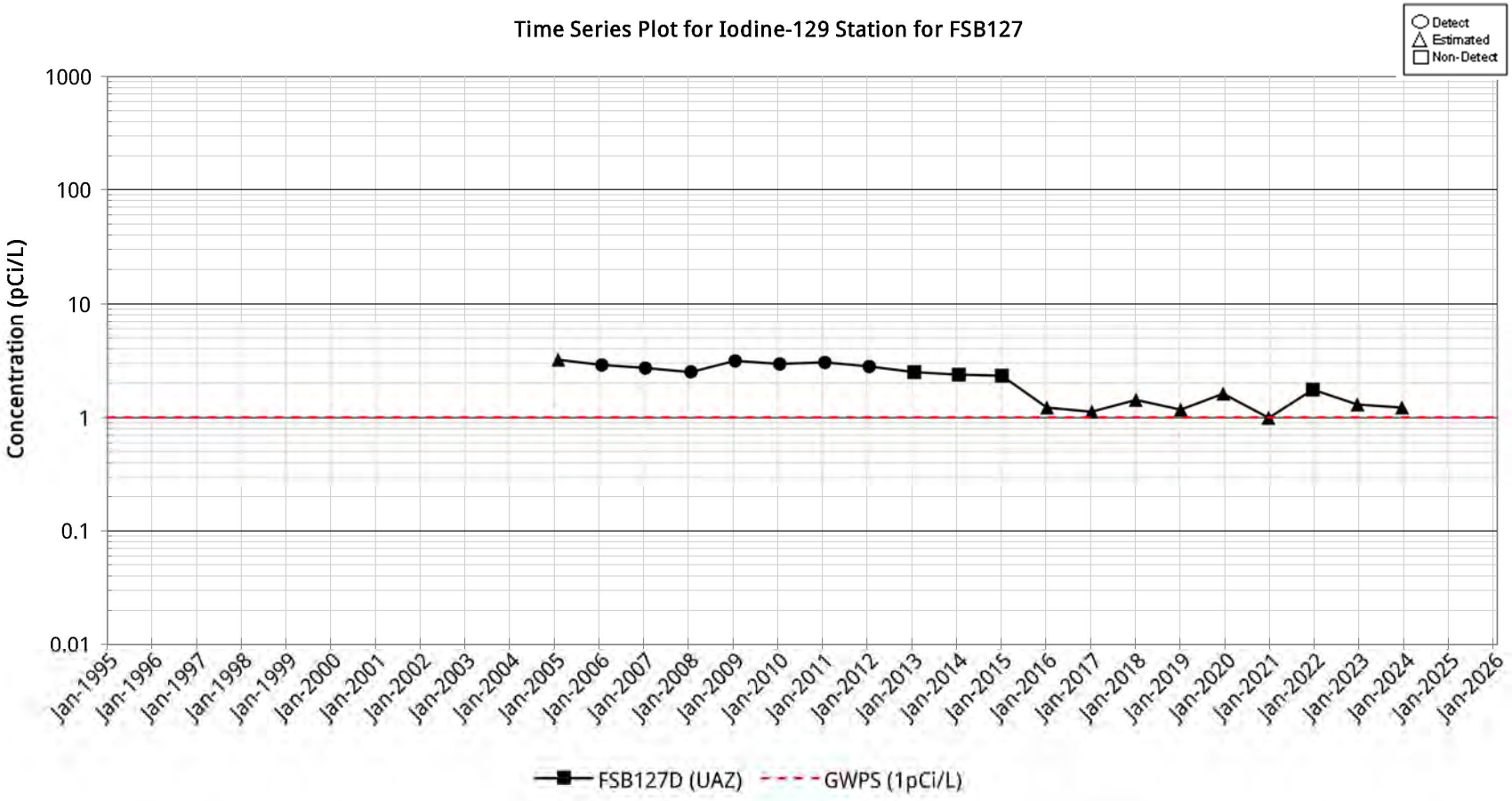
Jan-2025
Jan-2026
FSB125DR (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB127
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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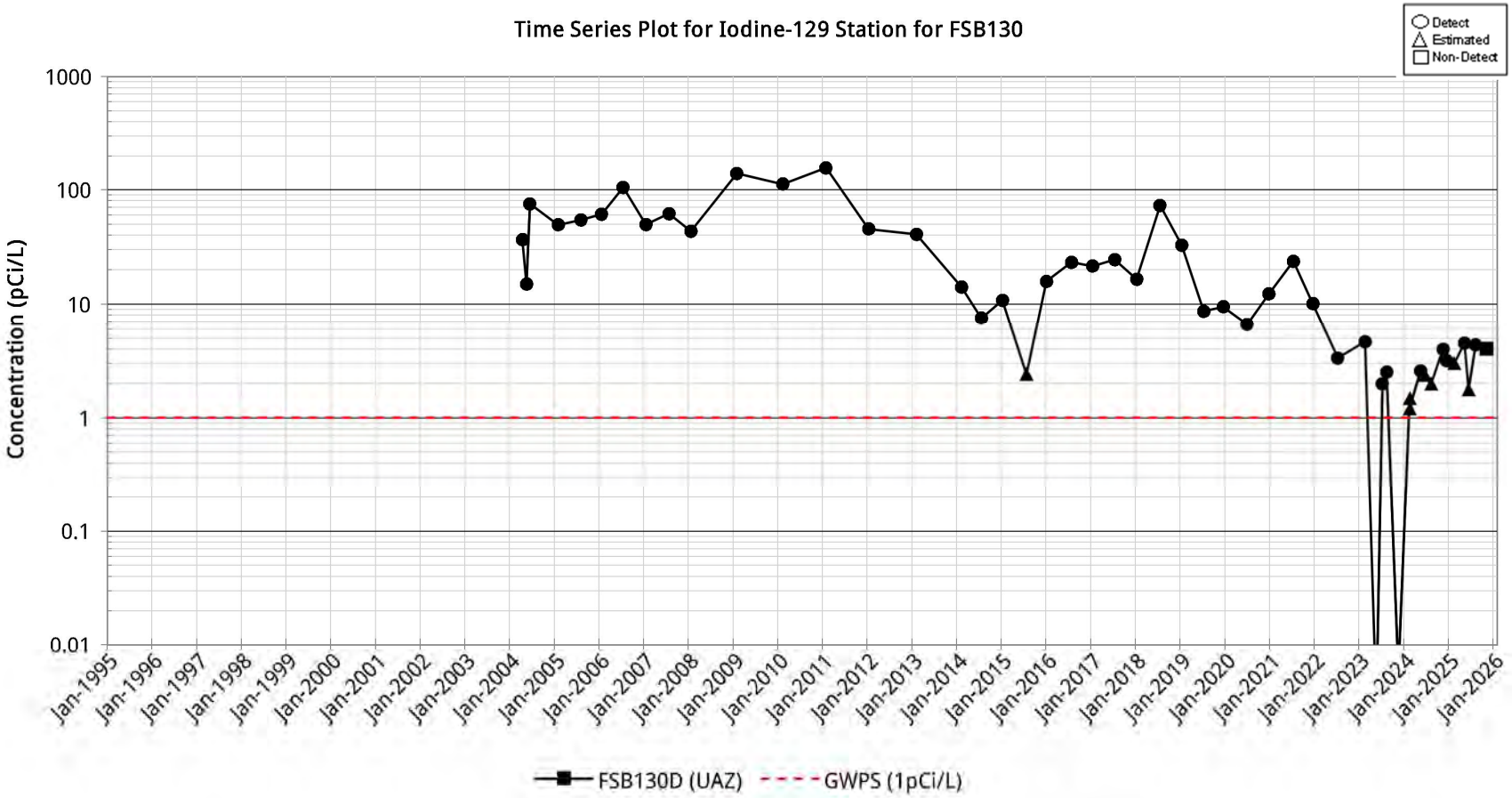
Jan-2025
Jan-2026
FSB127D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB130
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-1998
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Jan-2023
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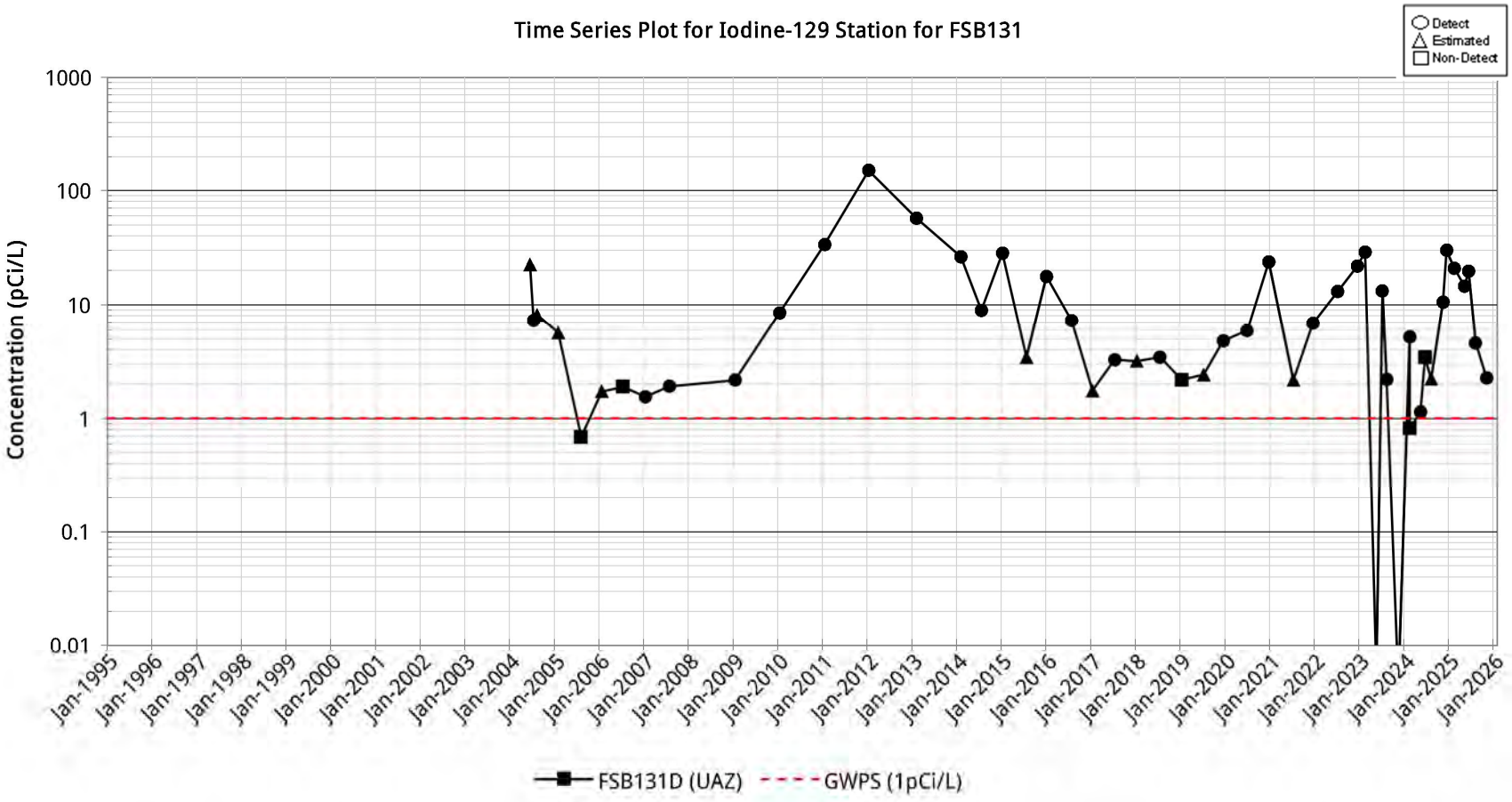
Jan-2025
Jan-2026
FSB130D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB131
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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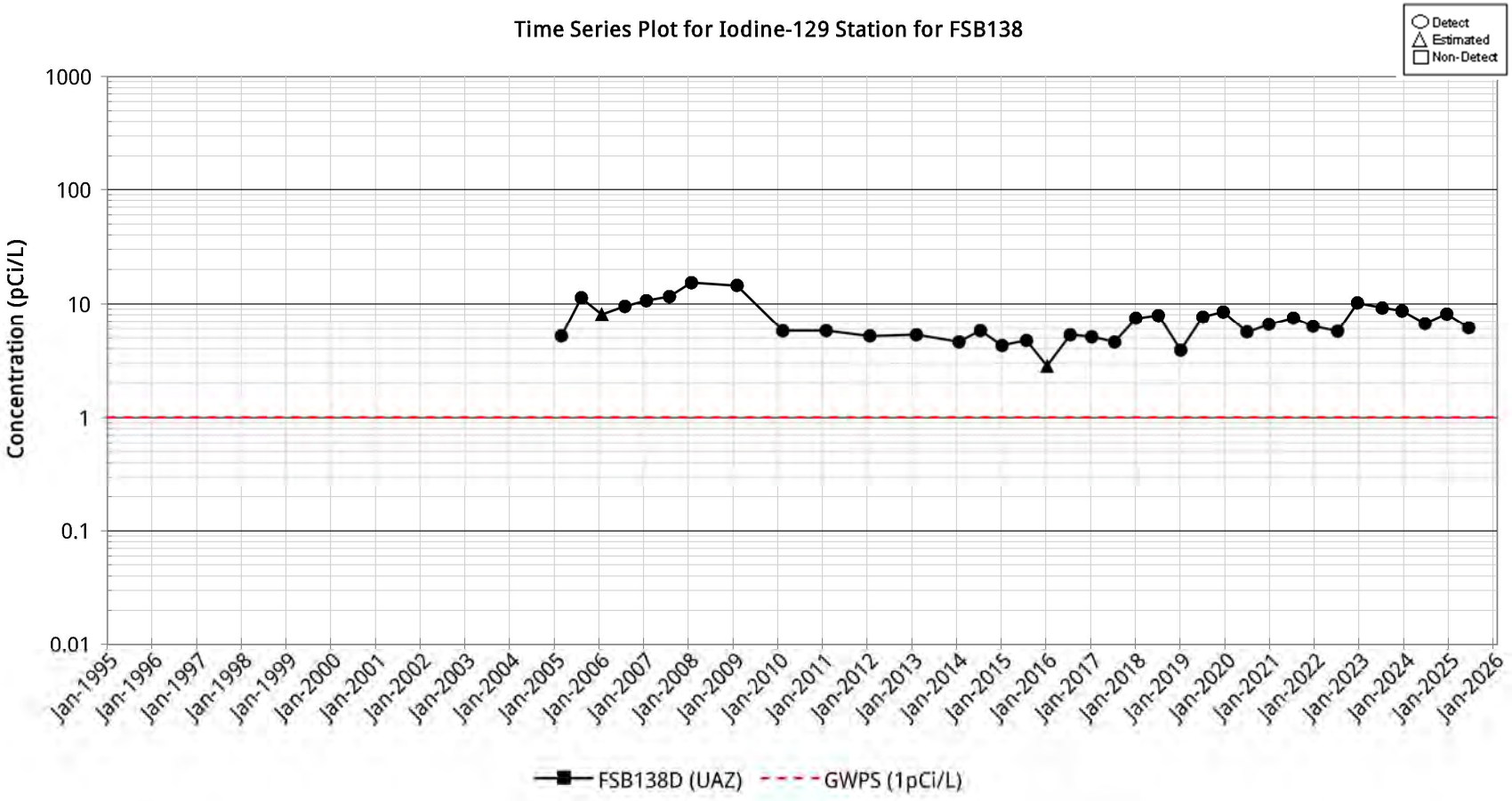
Jan-2025
Jan-2026
FSB131D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSB138
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
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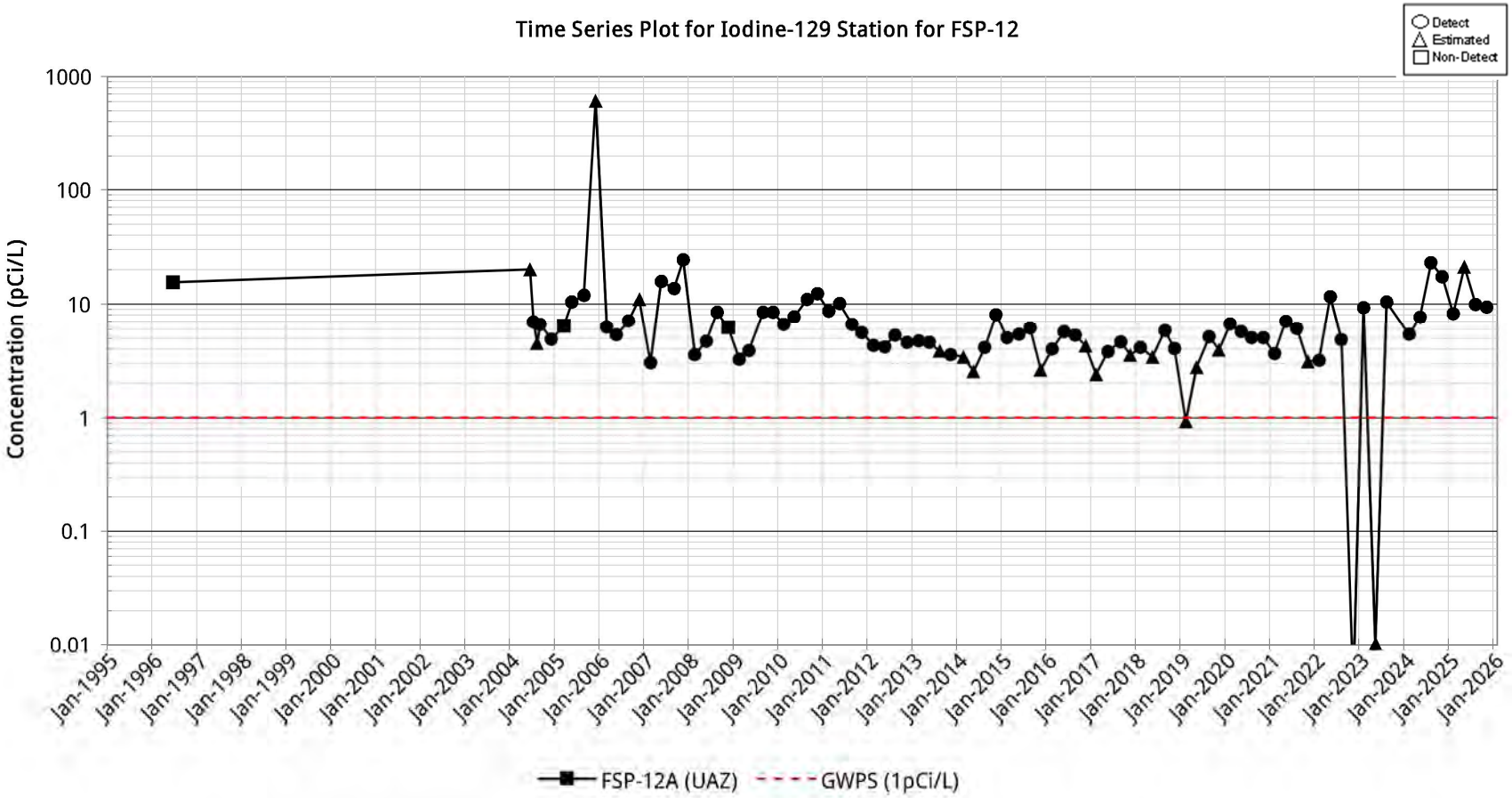
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB138D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for FSP-12
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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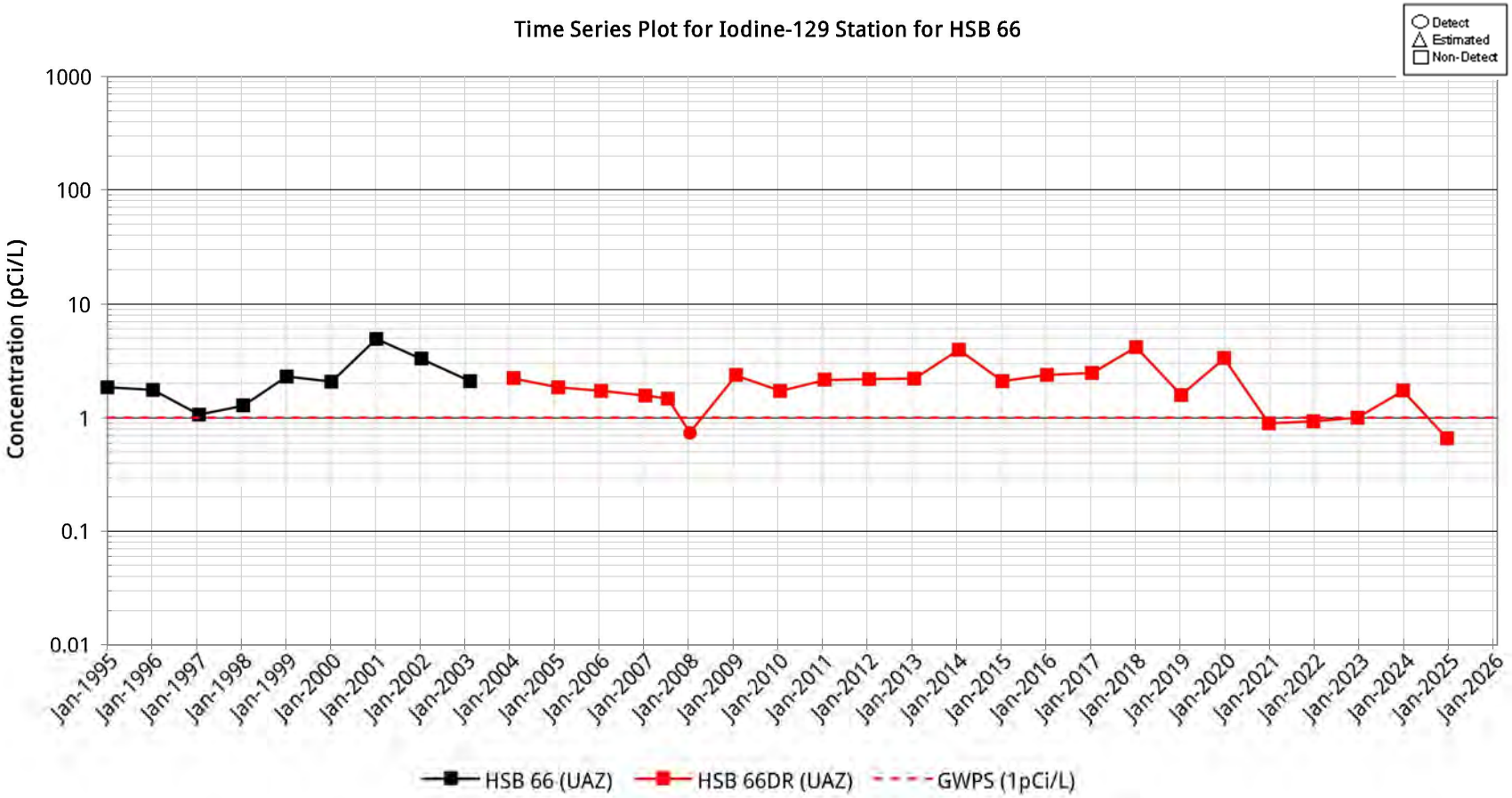
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSP-12A (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2010
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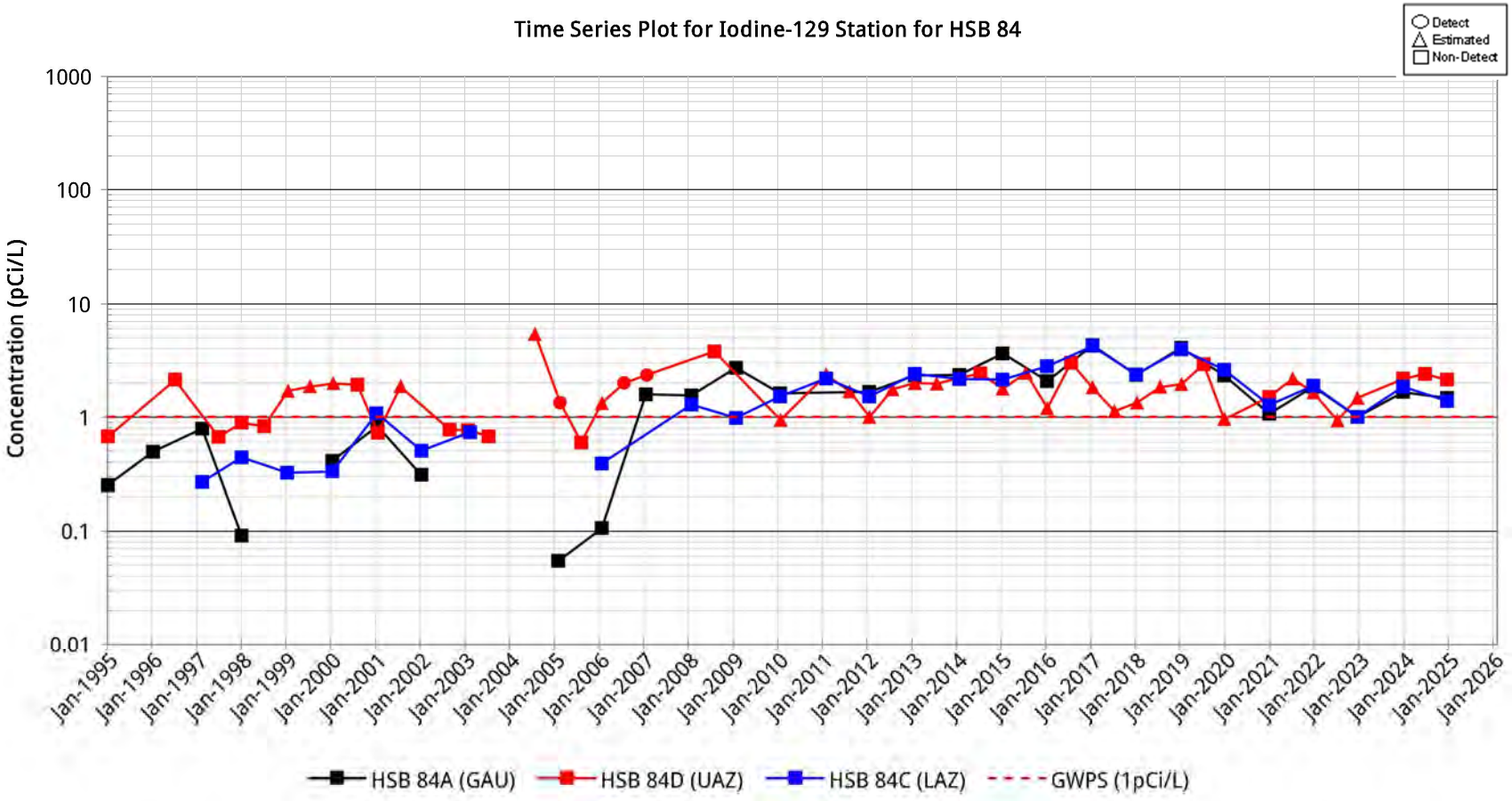
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 66 (UAZ)
HSB 66DR (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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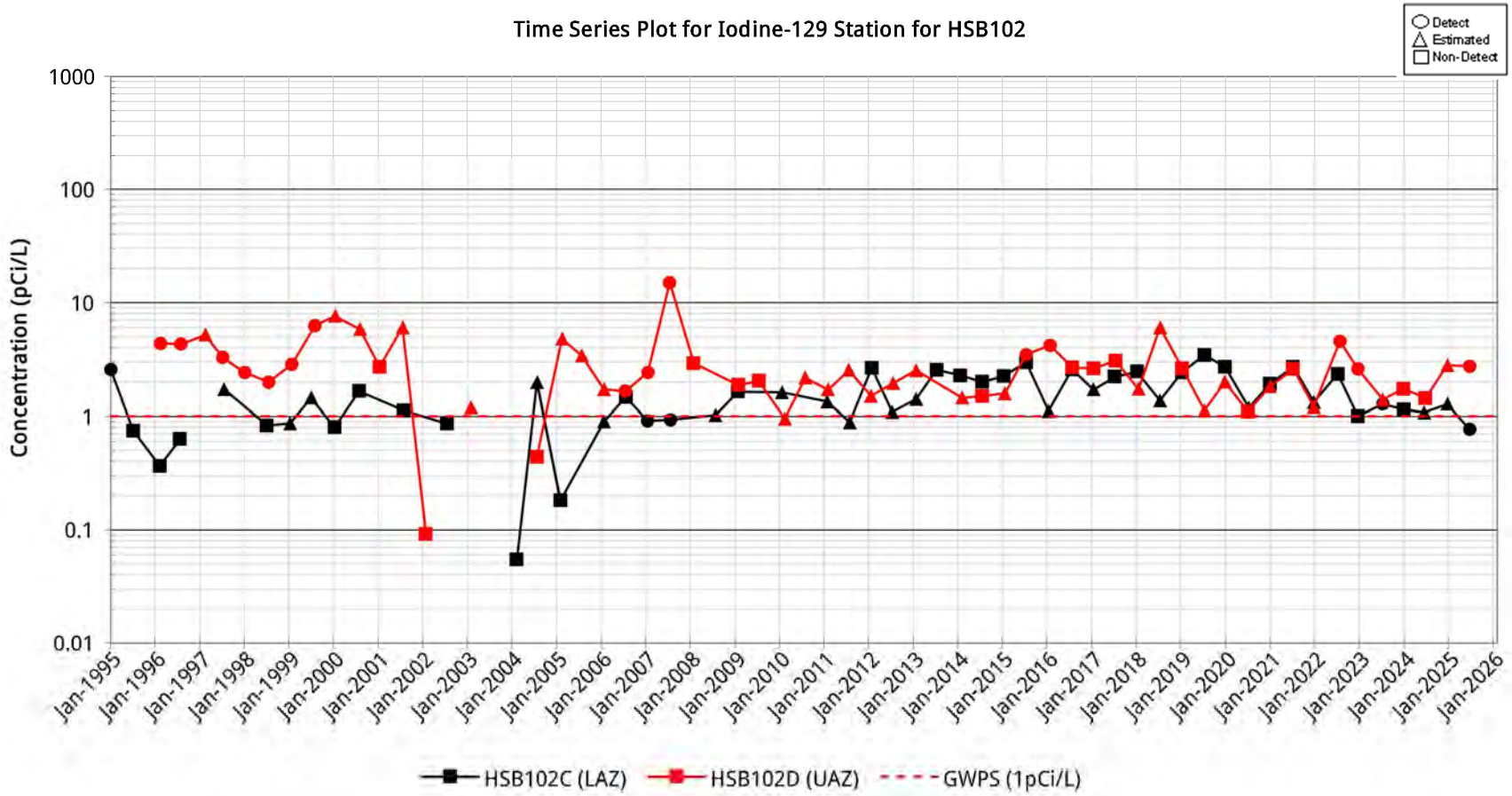
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB102
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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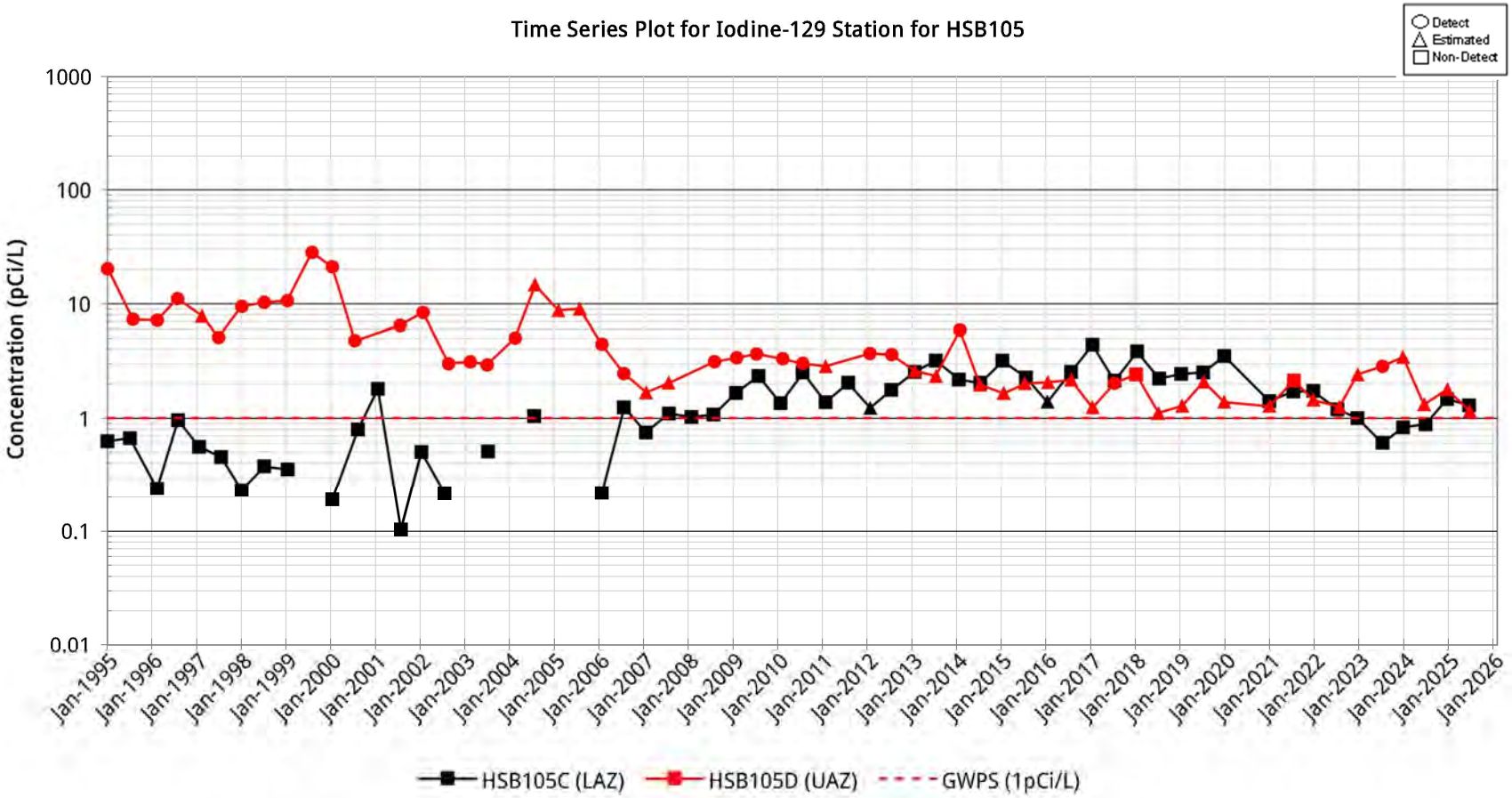
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB105
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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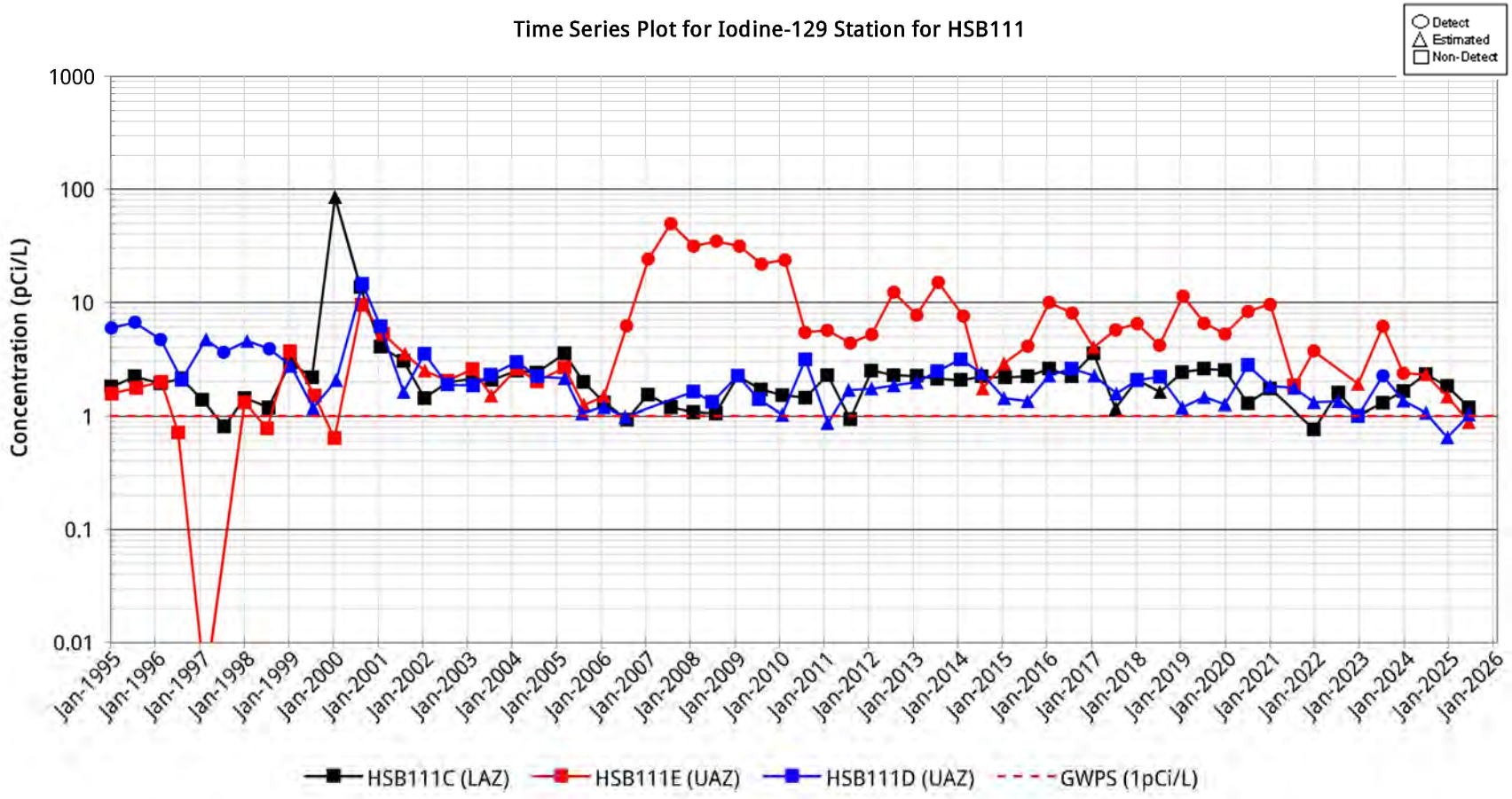
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB111
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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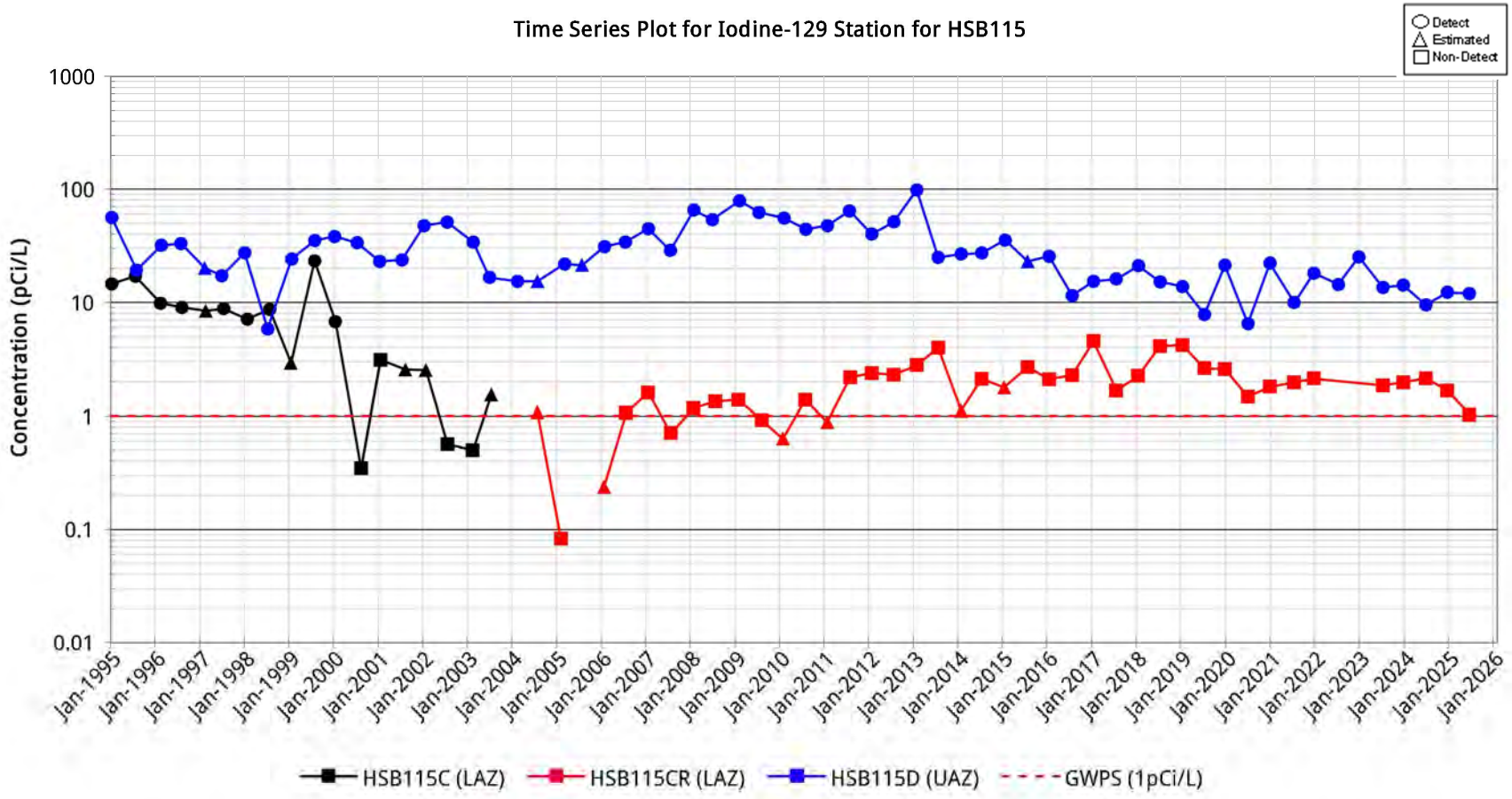
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB115
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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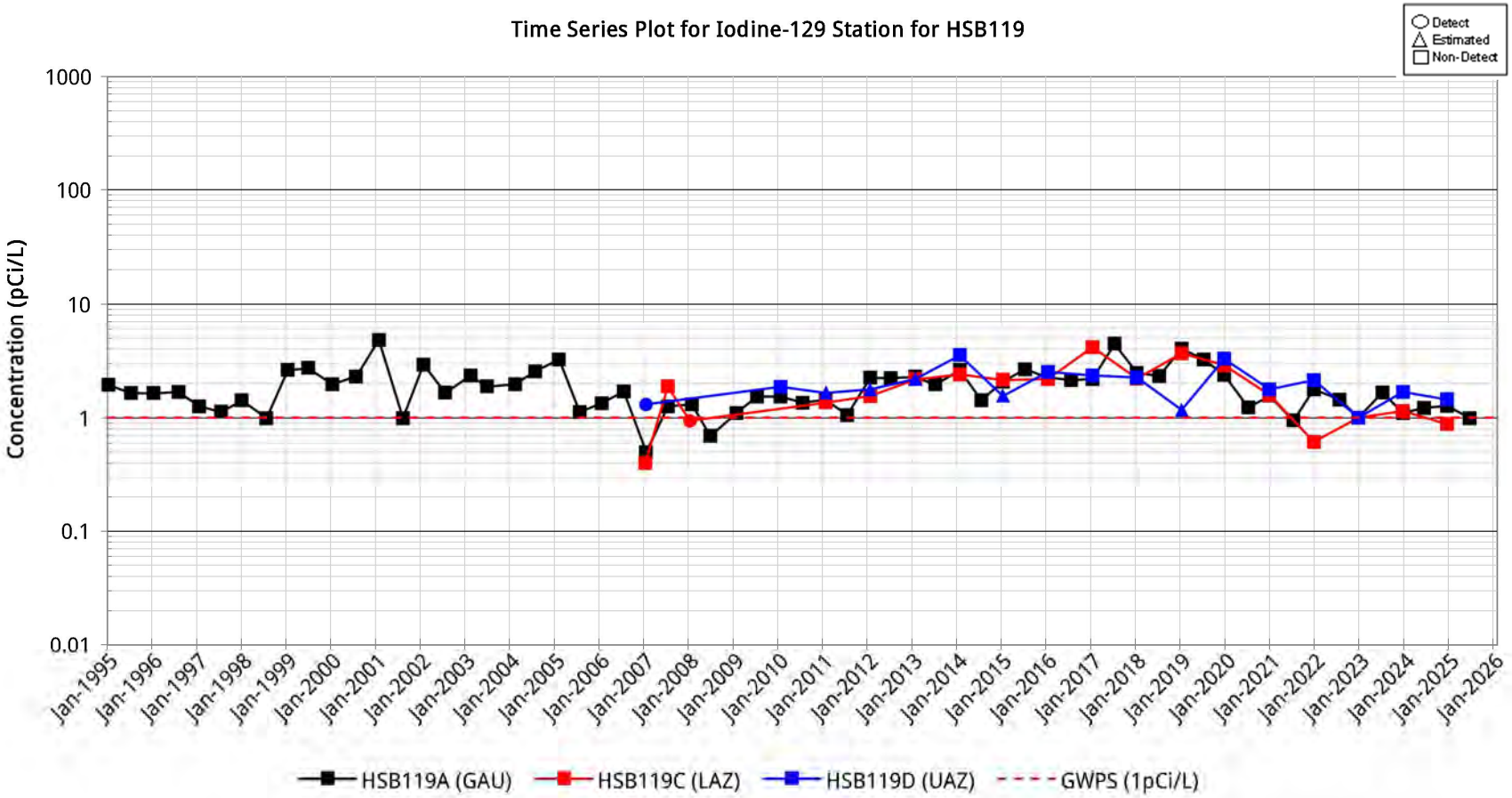
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB115C (LAZ)
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB119
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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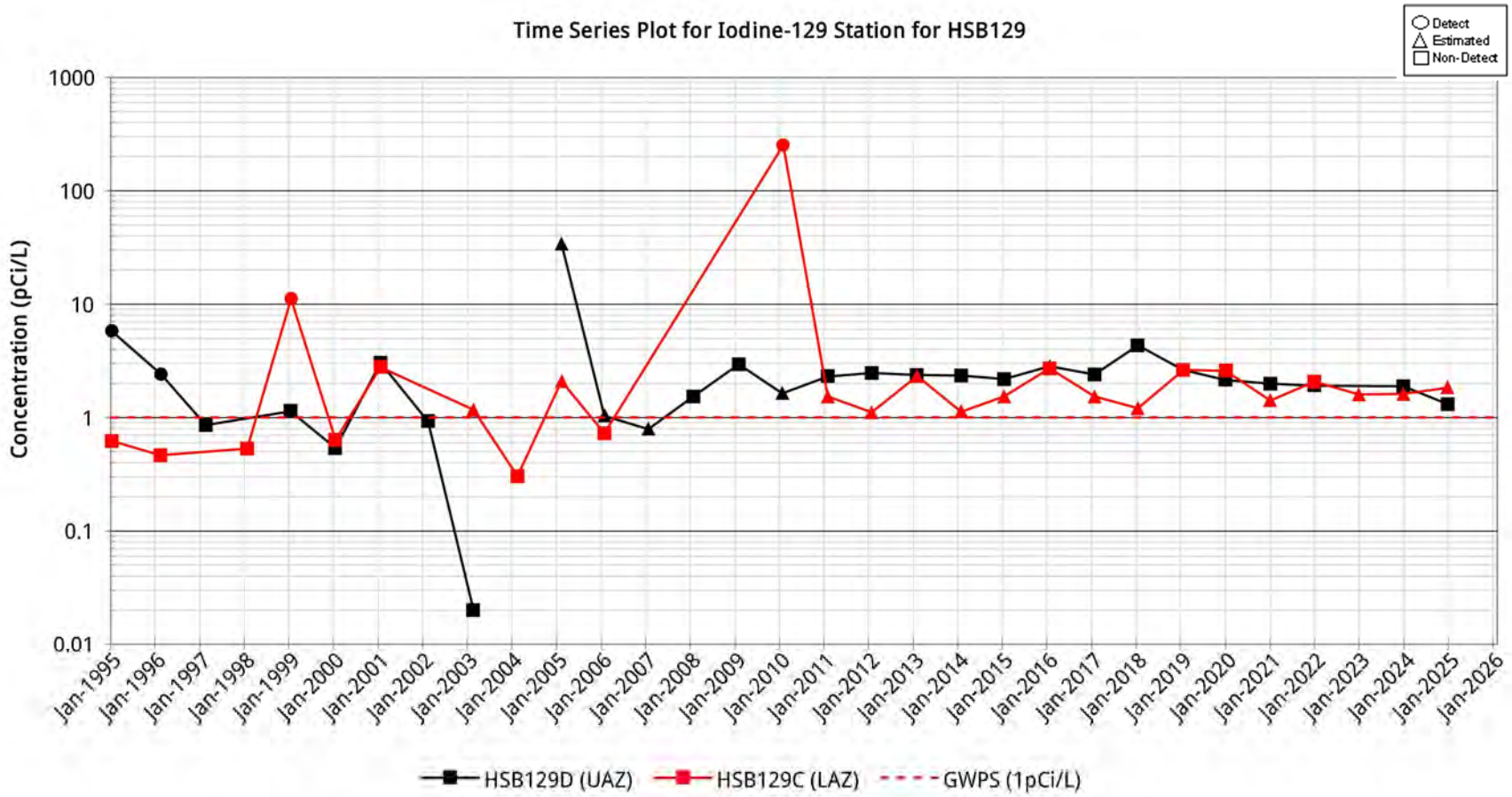
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB129
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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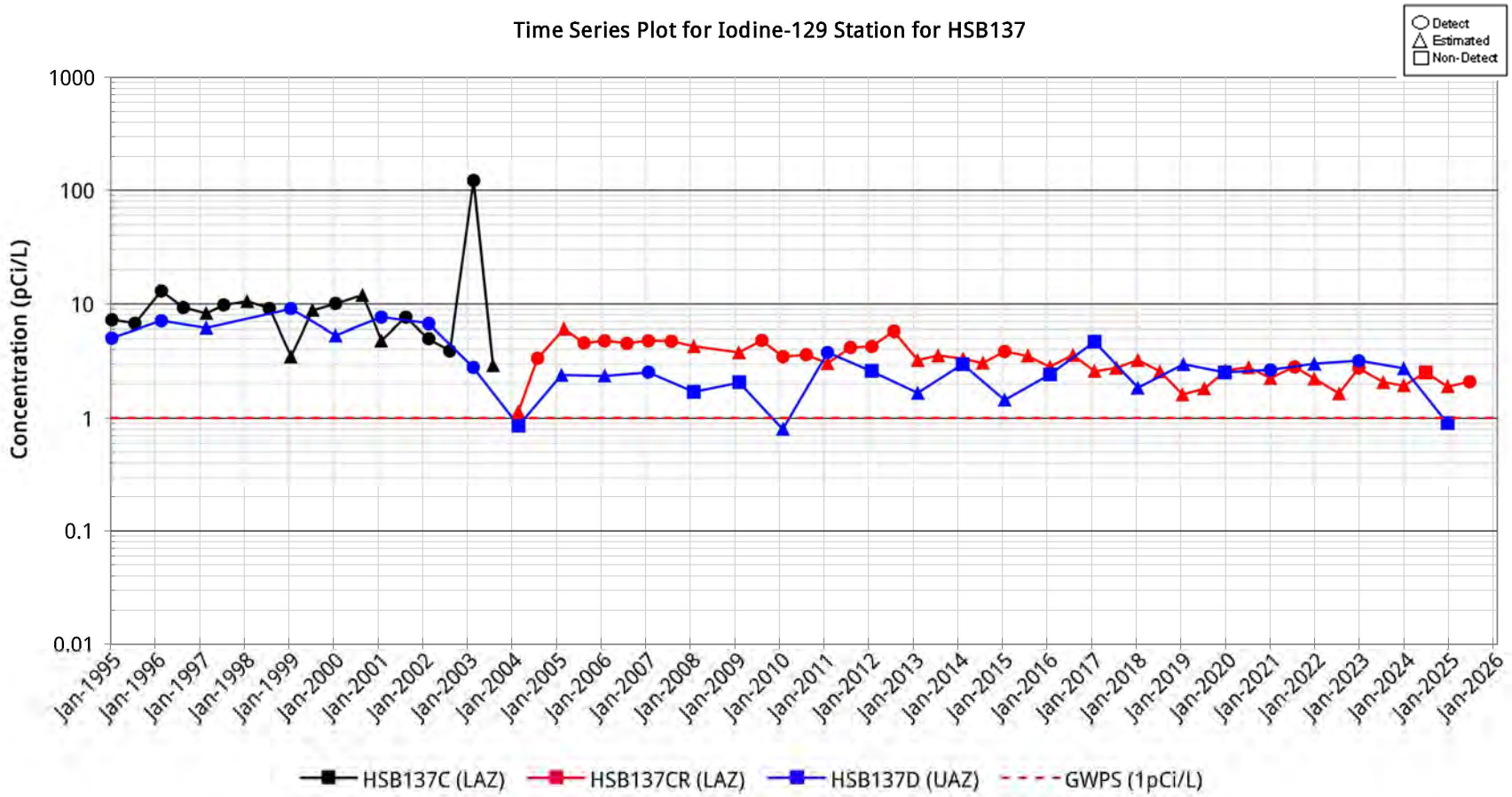
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (1pCi/L)


Time Series Plot for Iodine-129 Station for HSB137
Detect
Estimated
Non-Detect
Concentration (pCi/L)
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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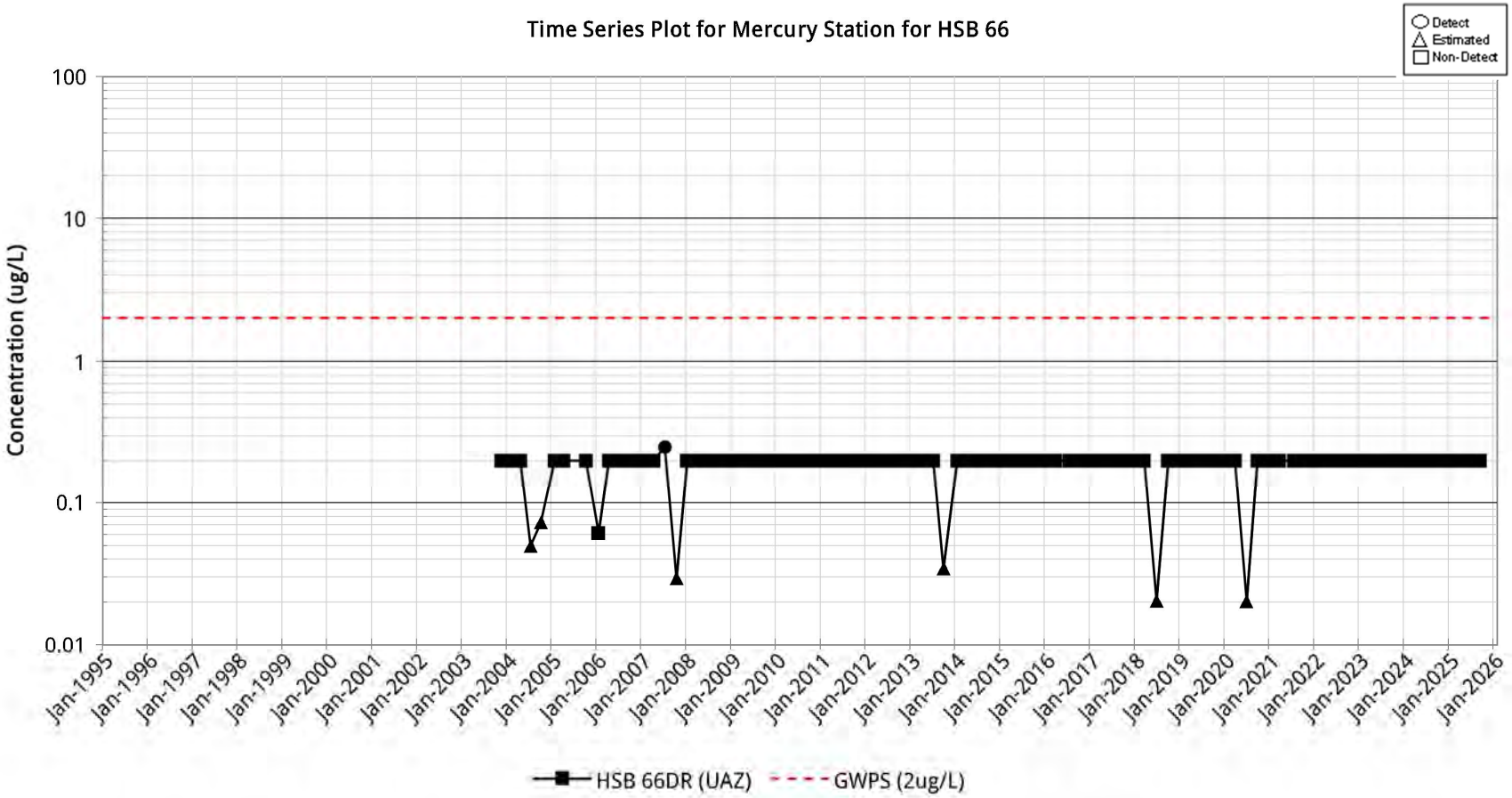
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB137C (LAZ)
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (1pCi/L)


Time Series Plot for Mercury Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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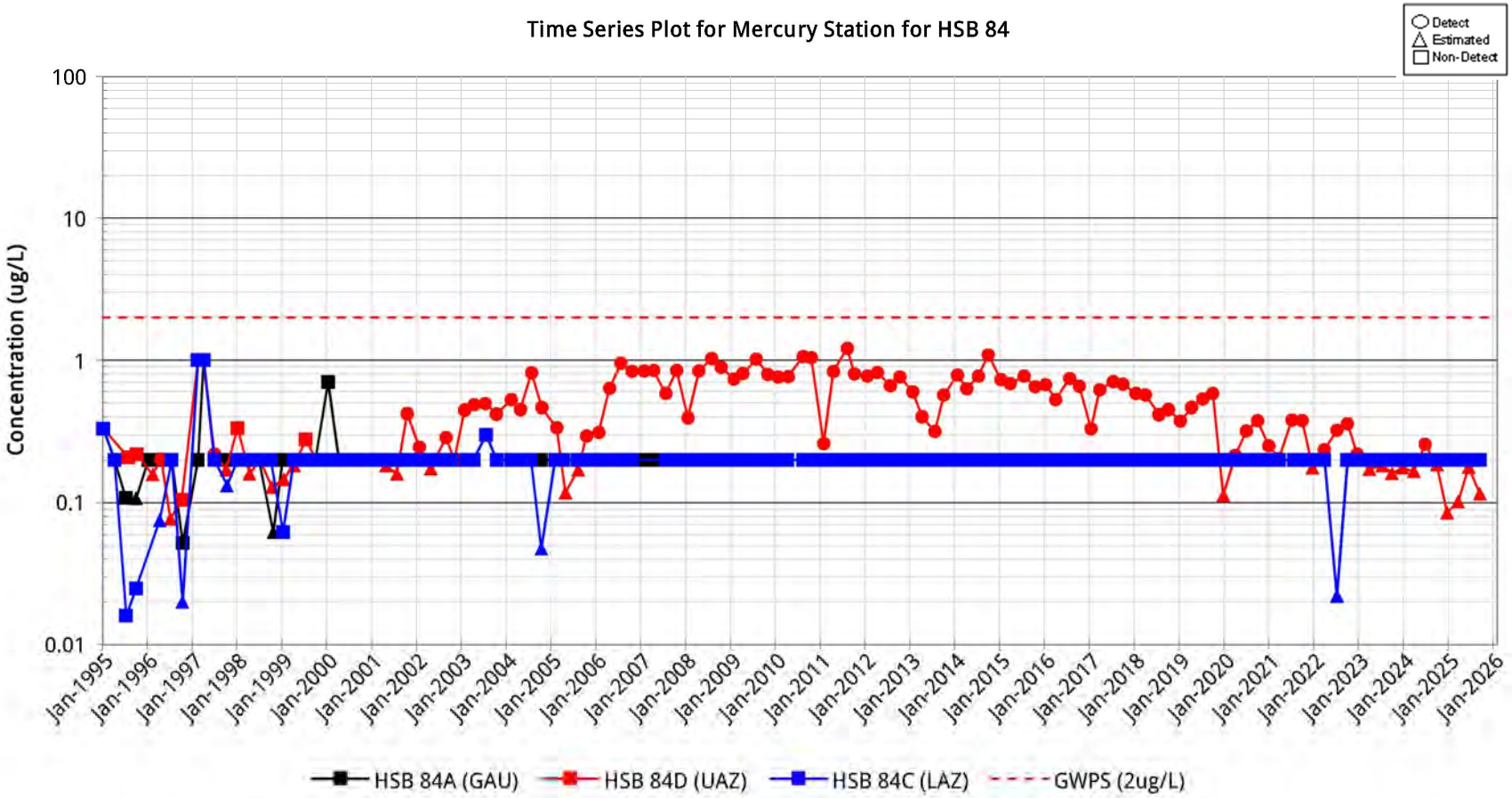
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 66DR (UAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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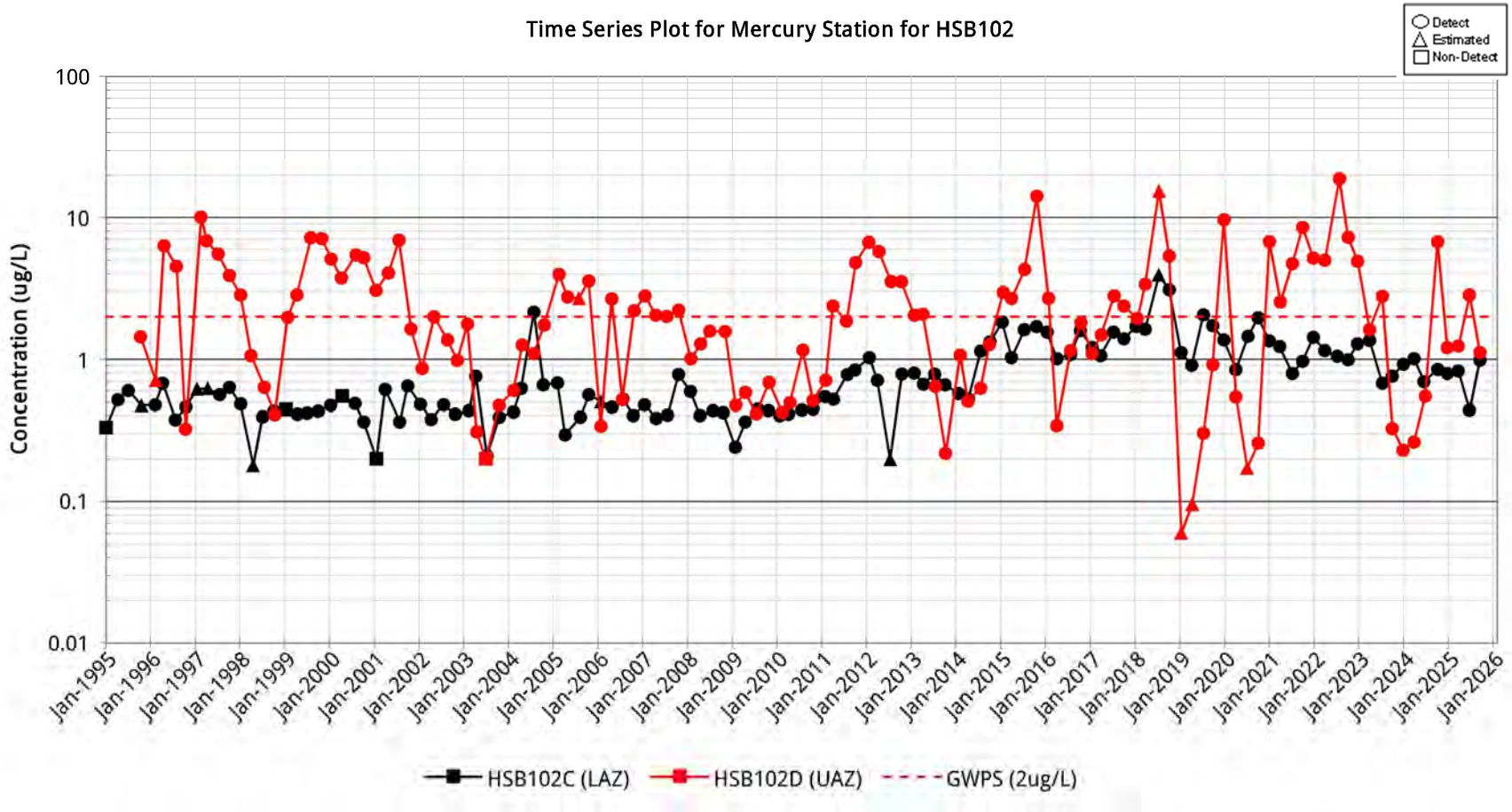
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB102
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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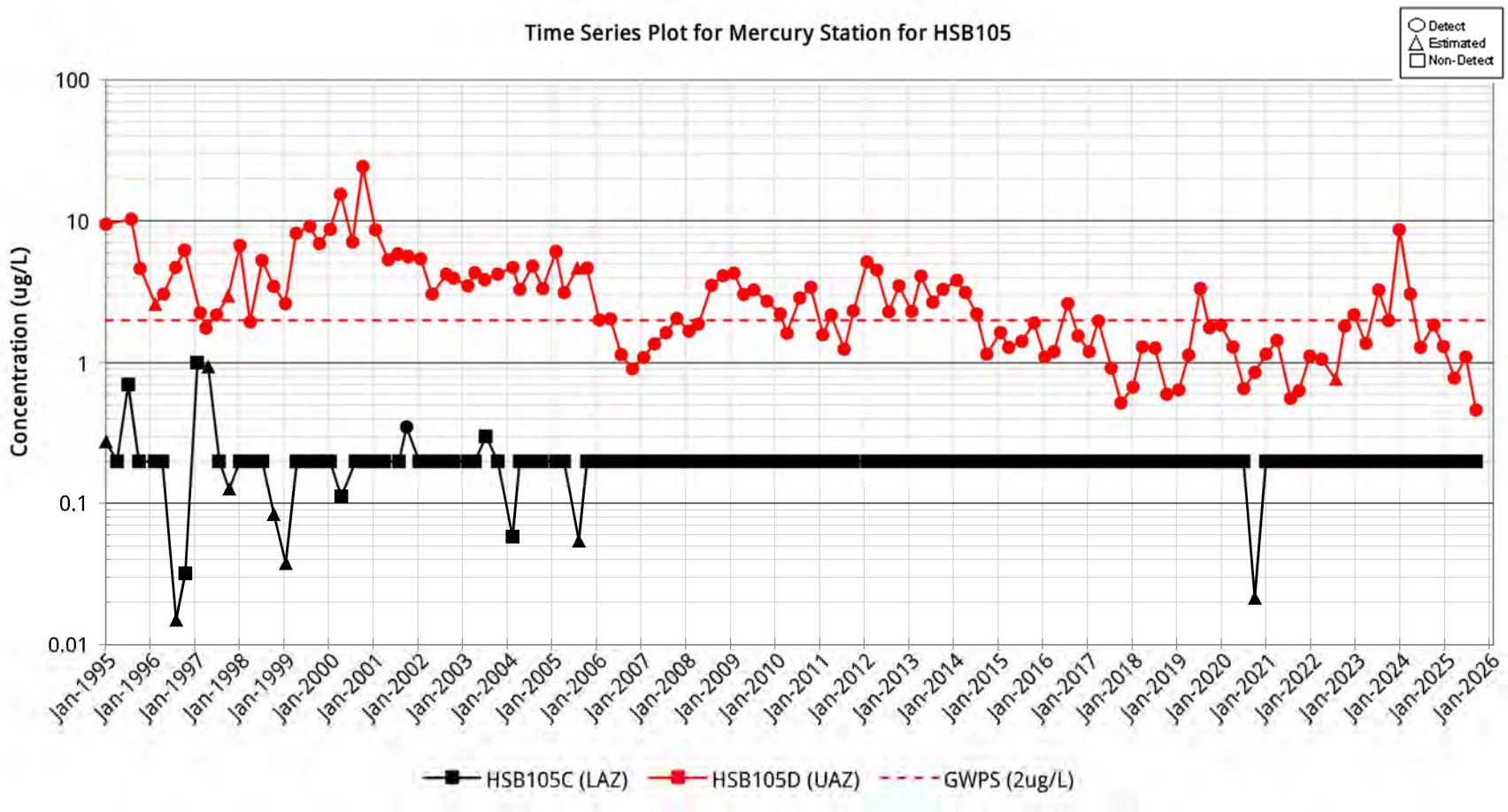
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB105
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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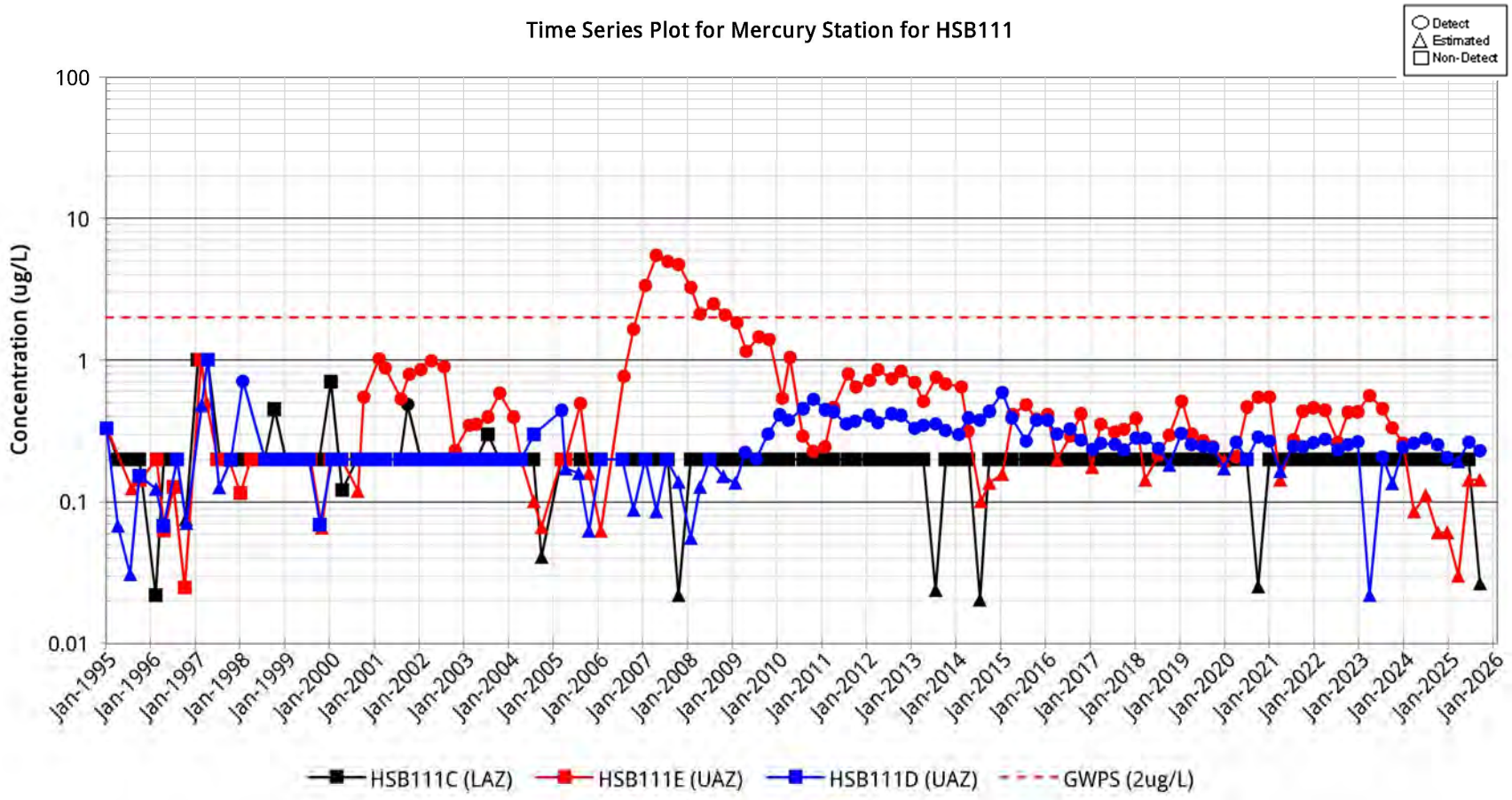
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB111
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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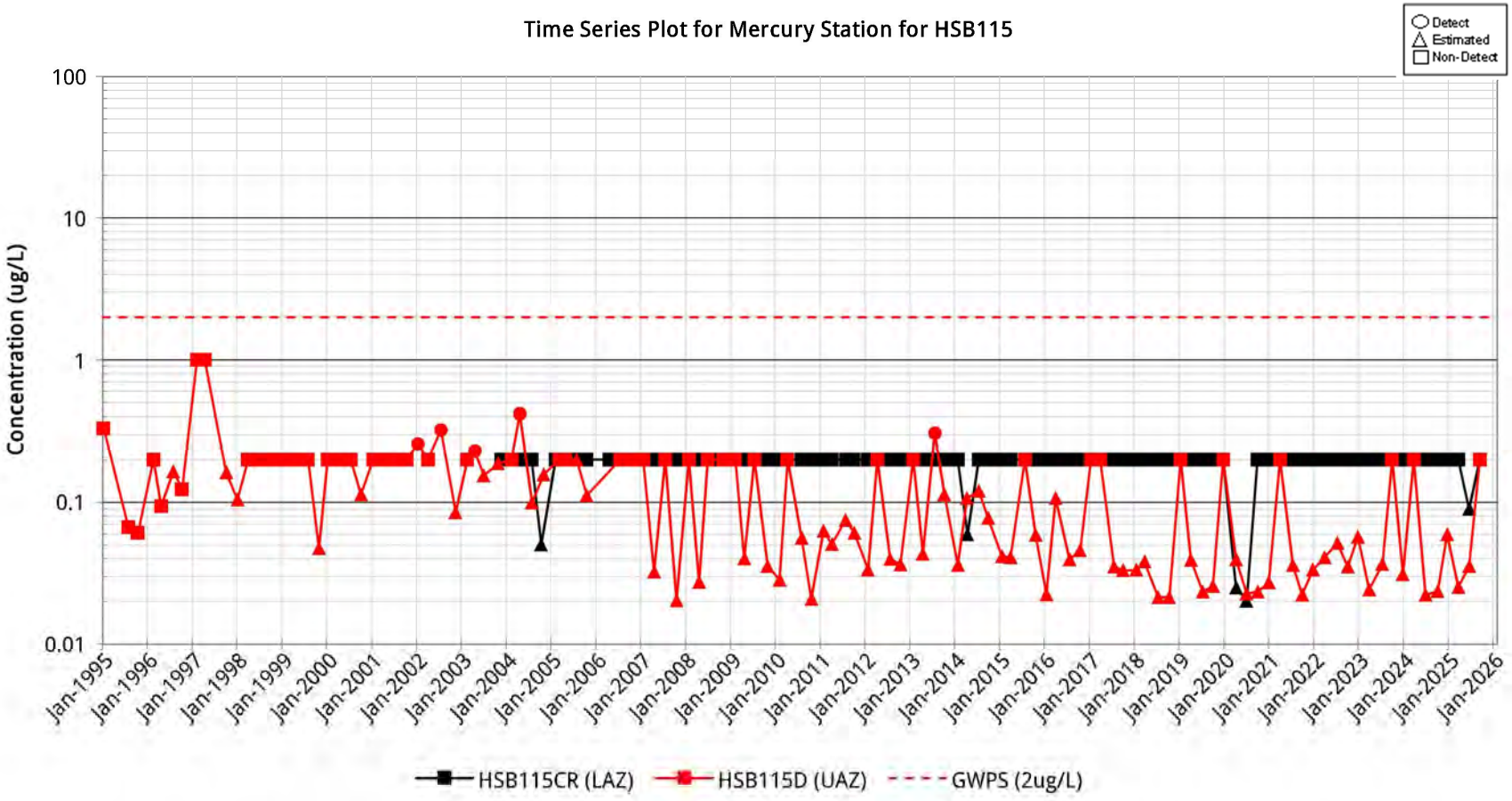
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB115
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2020
Jan-2021
Jan-2022
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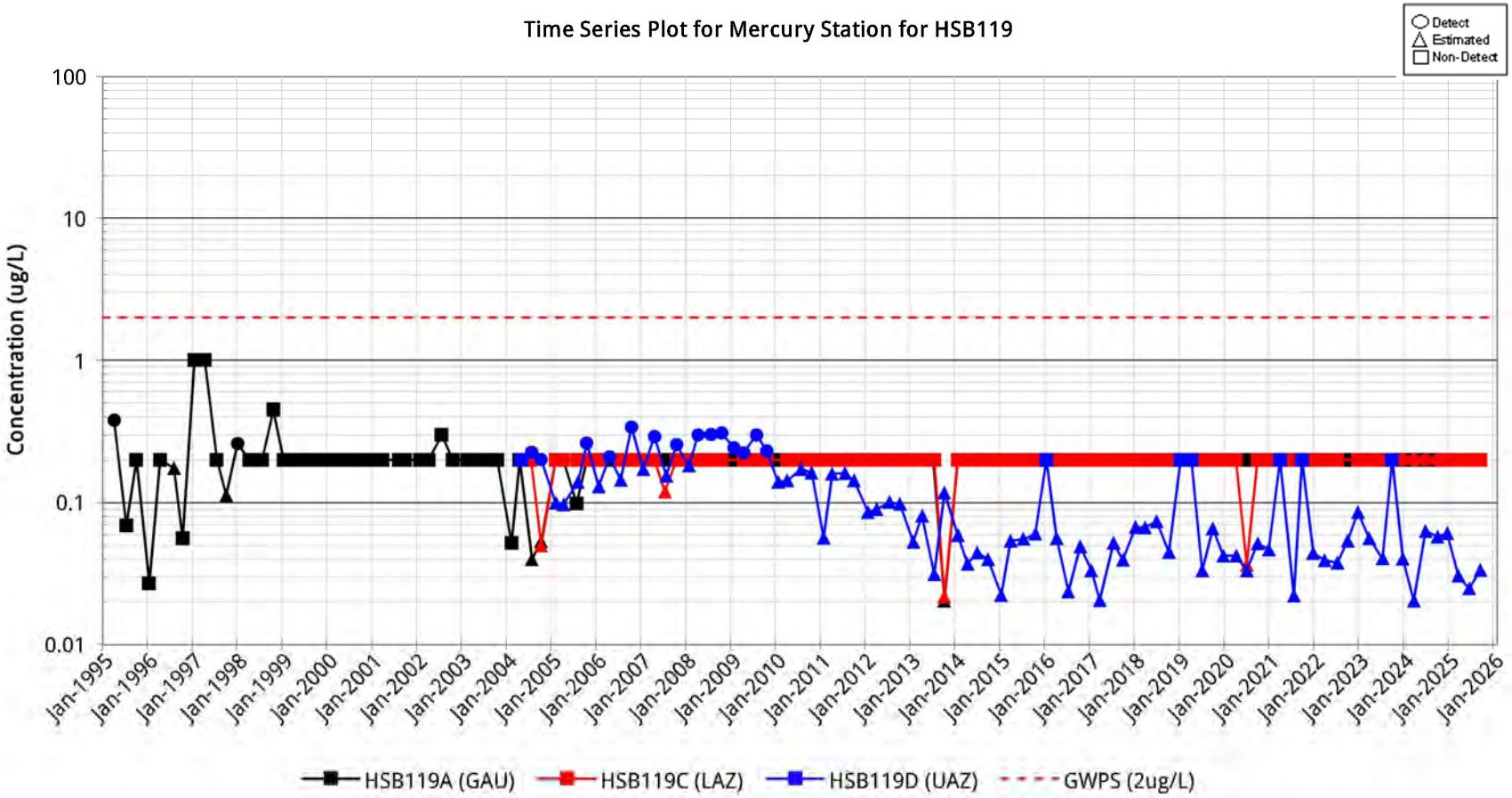
Jan-2024
Jan-2025
Jan-2026
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB119
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
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Jan-1997
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Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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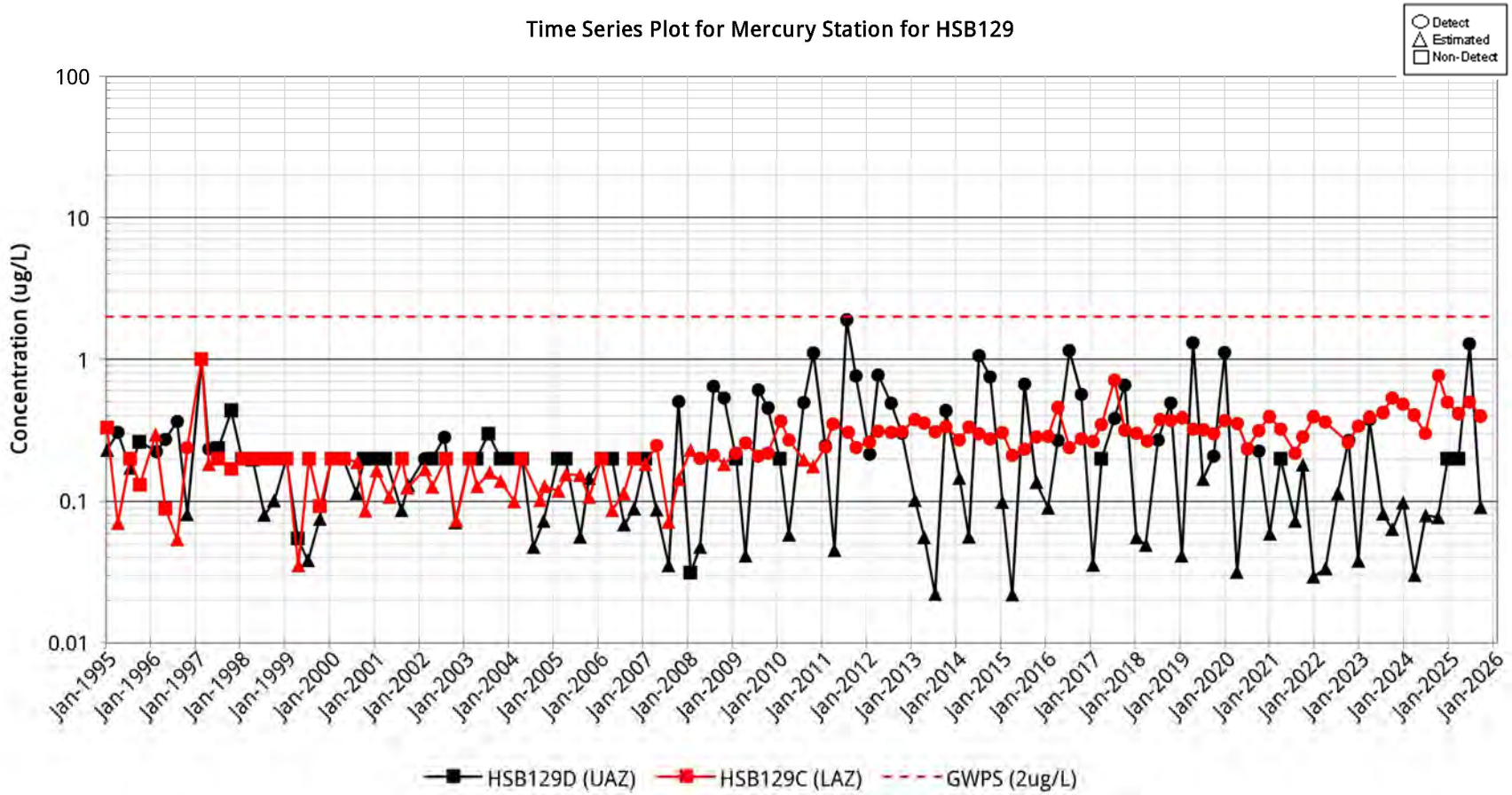
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB129
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2020
Jan-2021
Jan-2022
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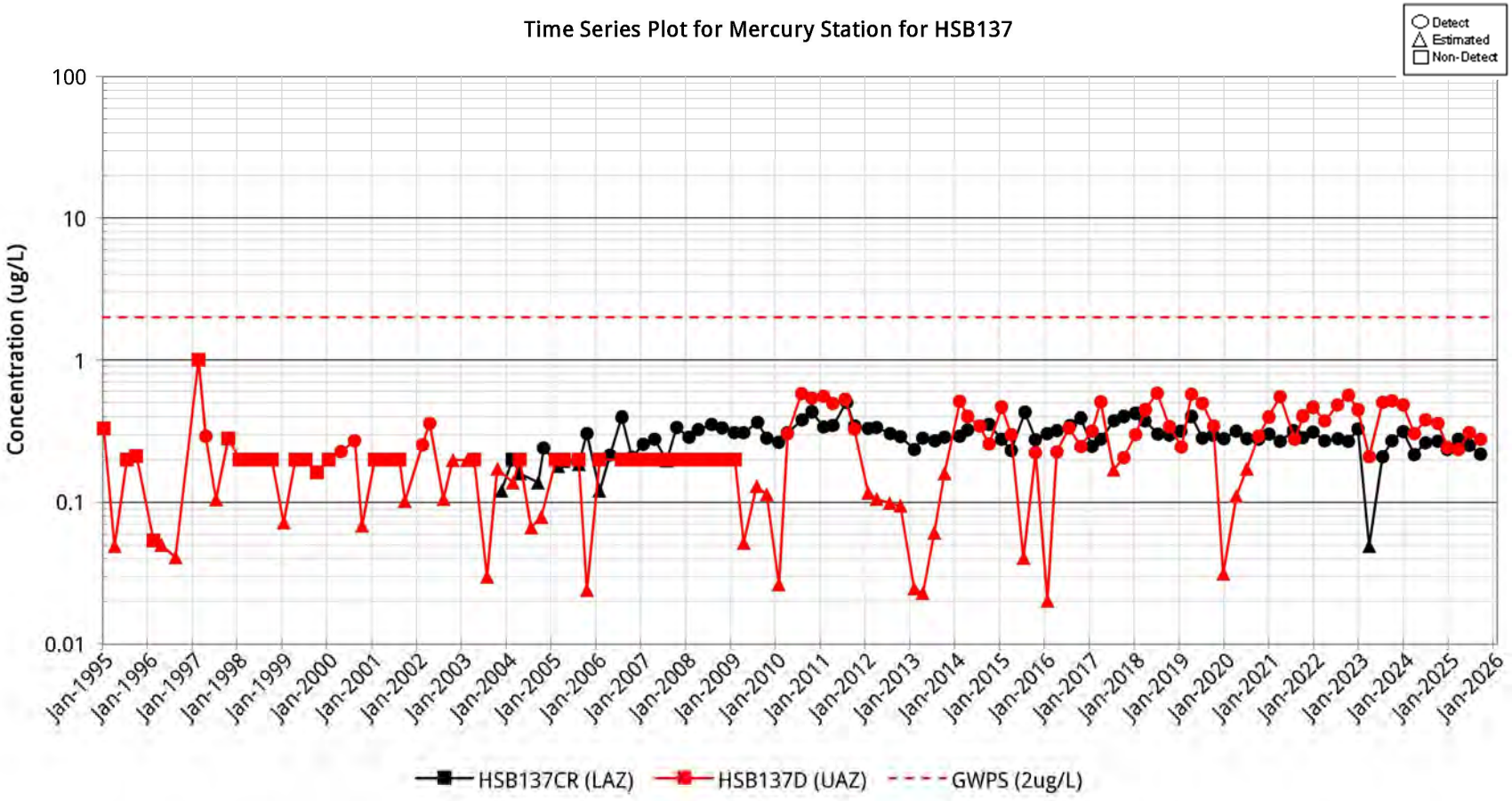
Jan-2024
Jan-2025
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (2ug/L)


Time Series Plot for Mercury Station for HSB137
Detect
Estimated
Non-Detect
Concentration (ug/L)
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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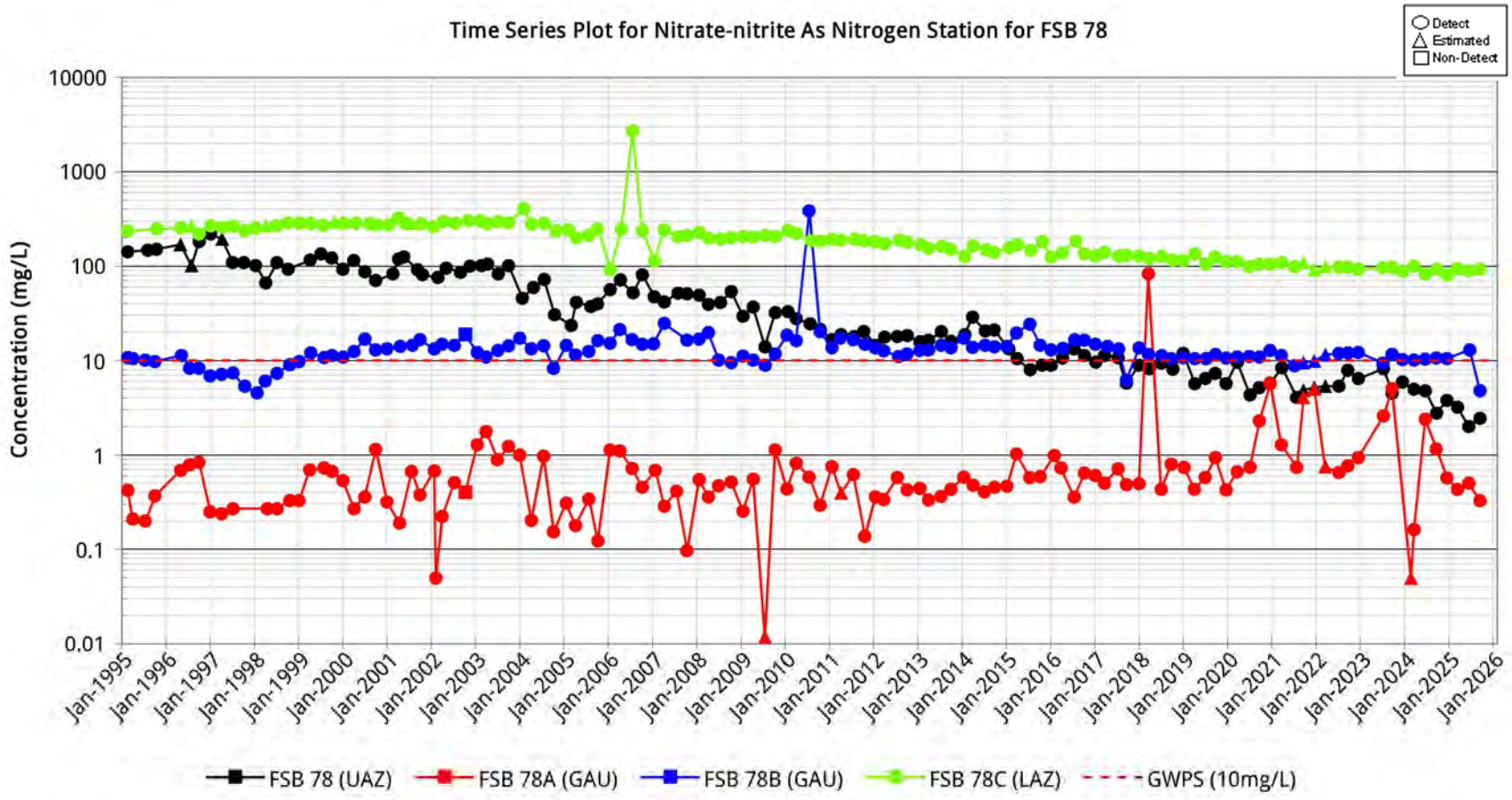
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (2ug/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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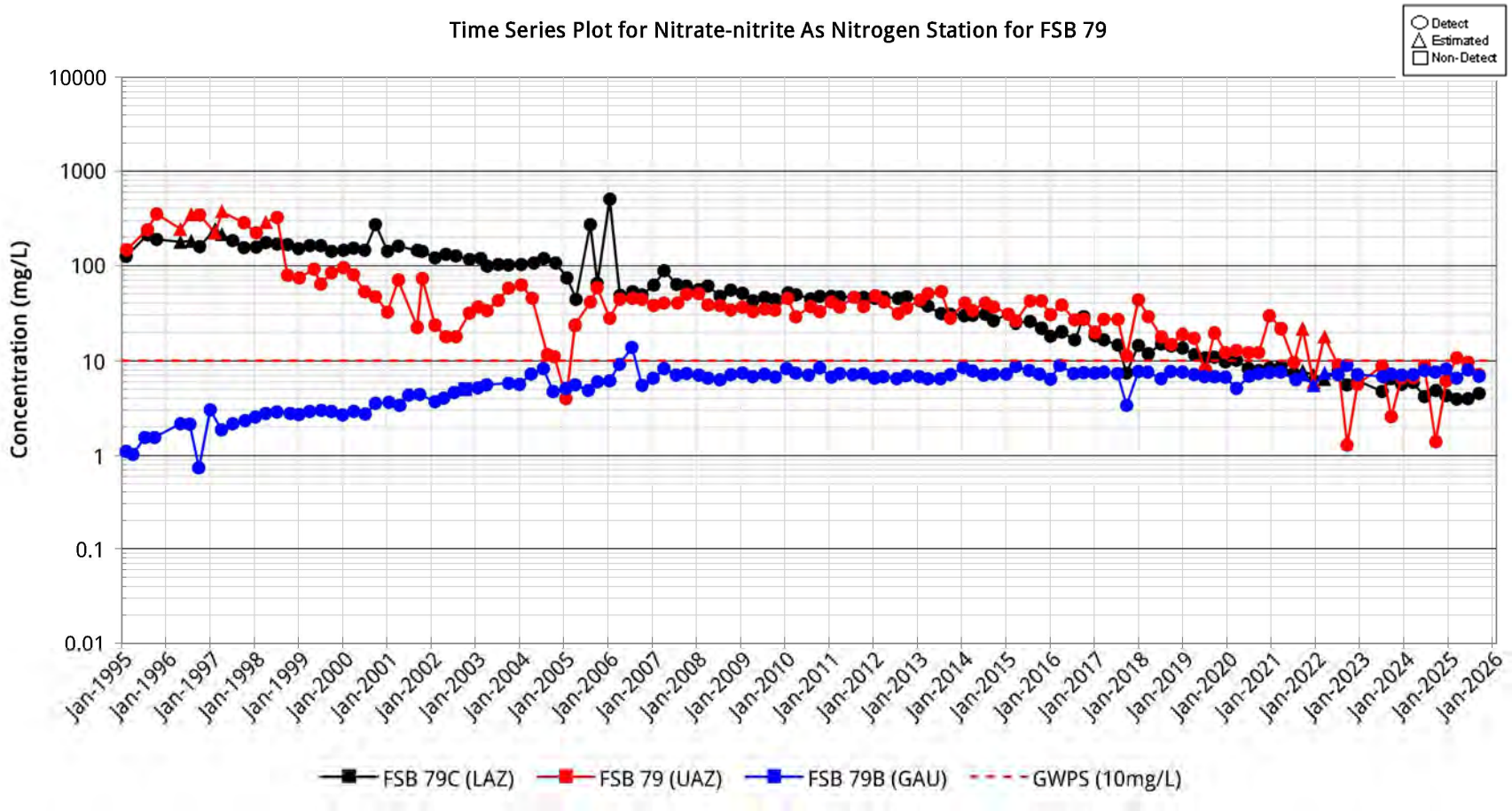
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2012
Jan-2013
Jan-2014
Jan-2015
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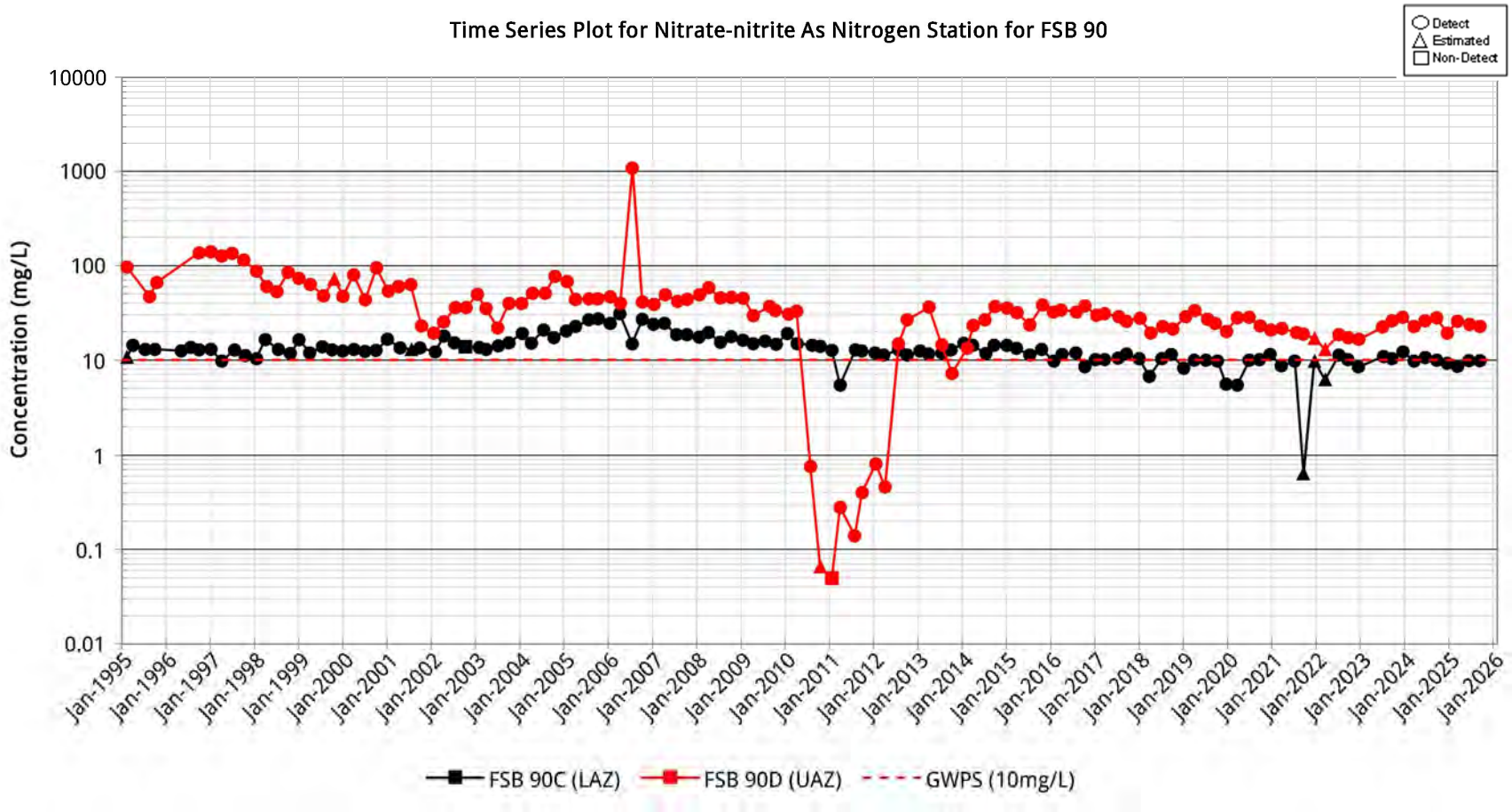
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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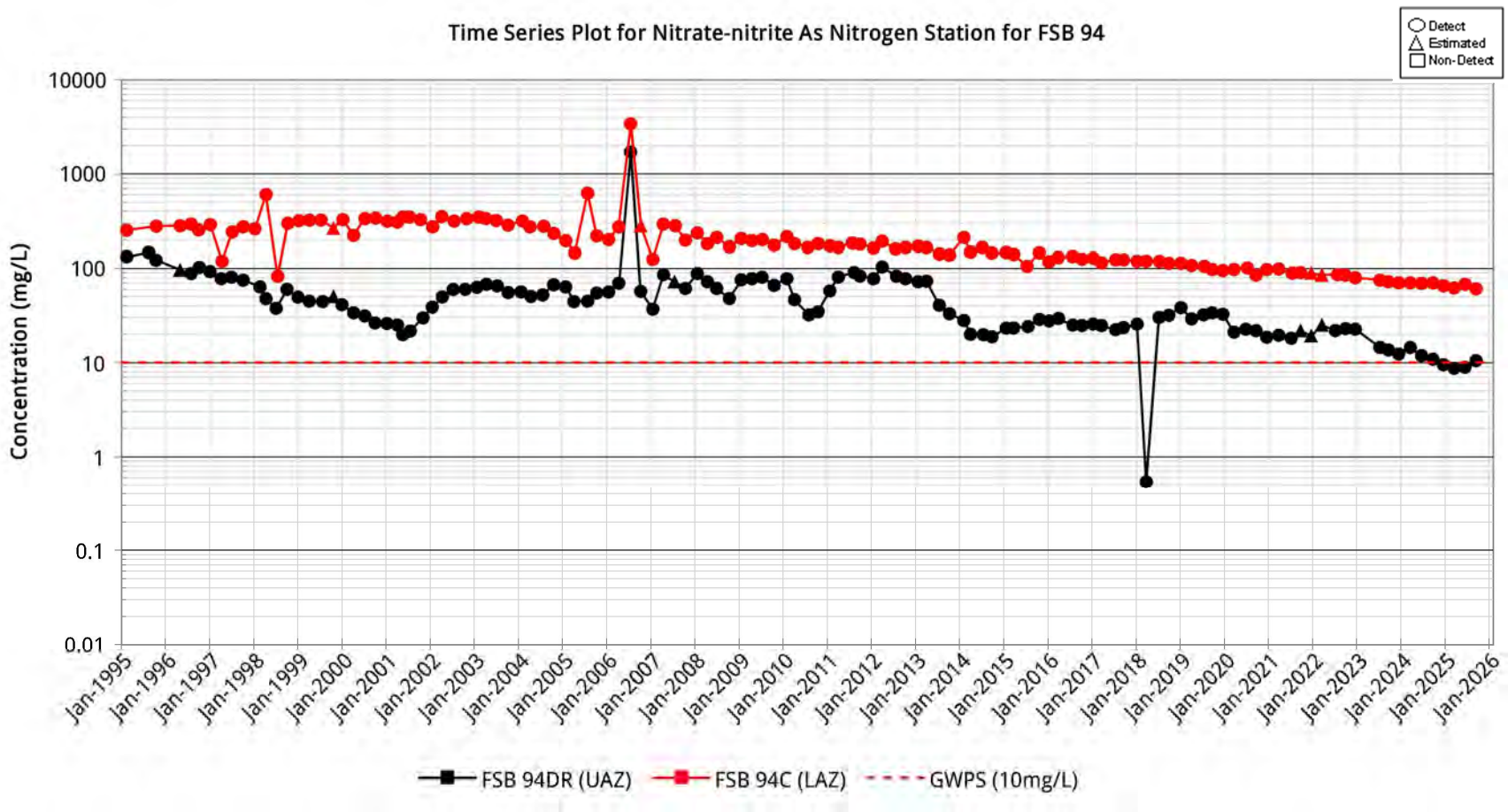
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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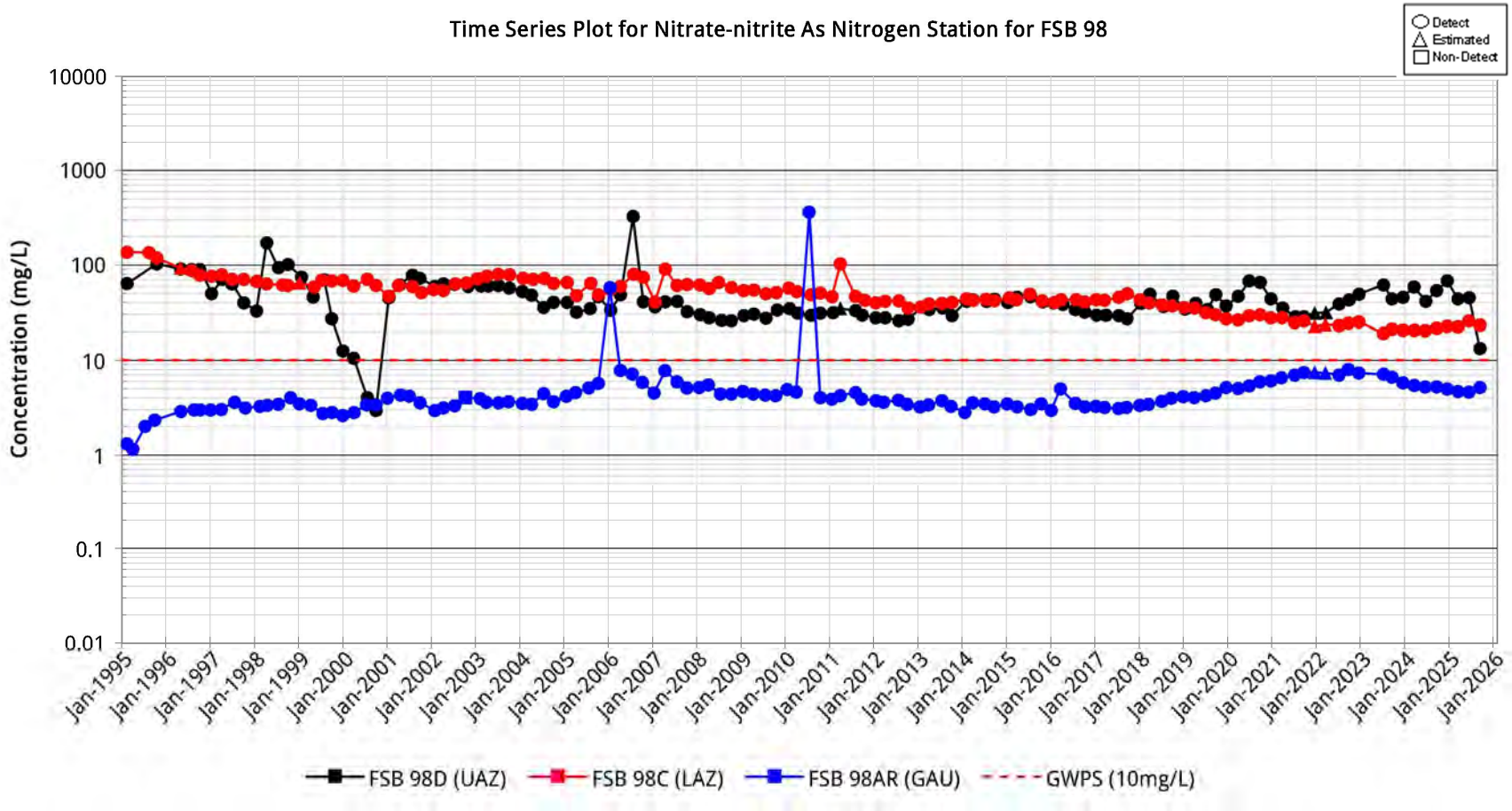
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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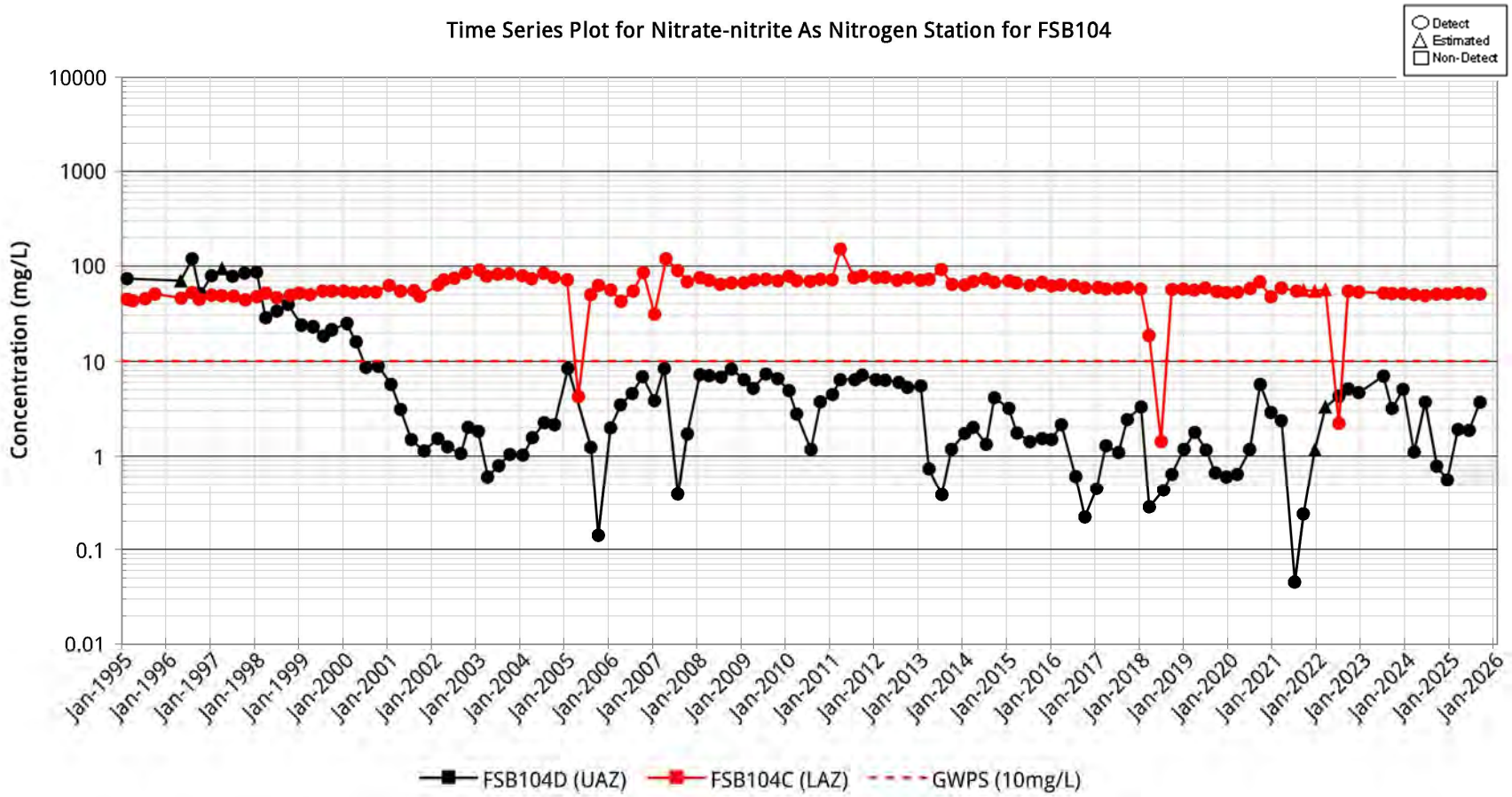
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB104
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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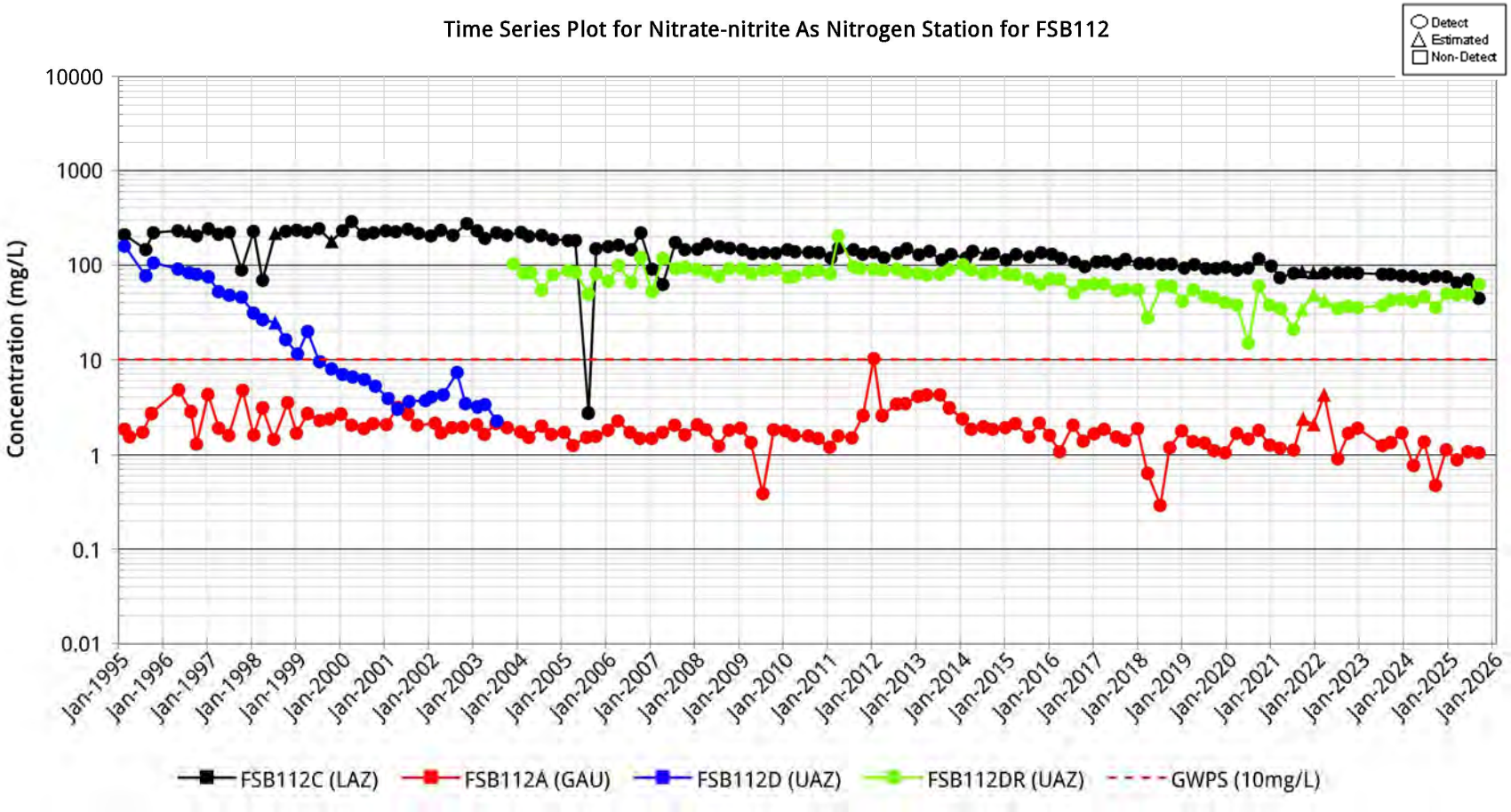
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB112
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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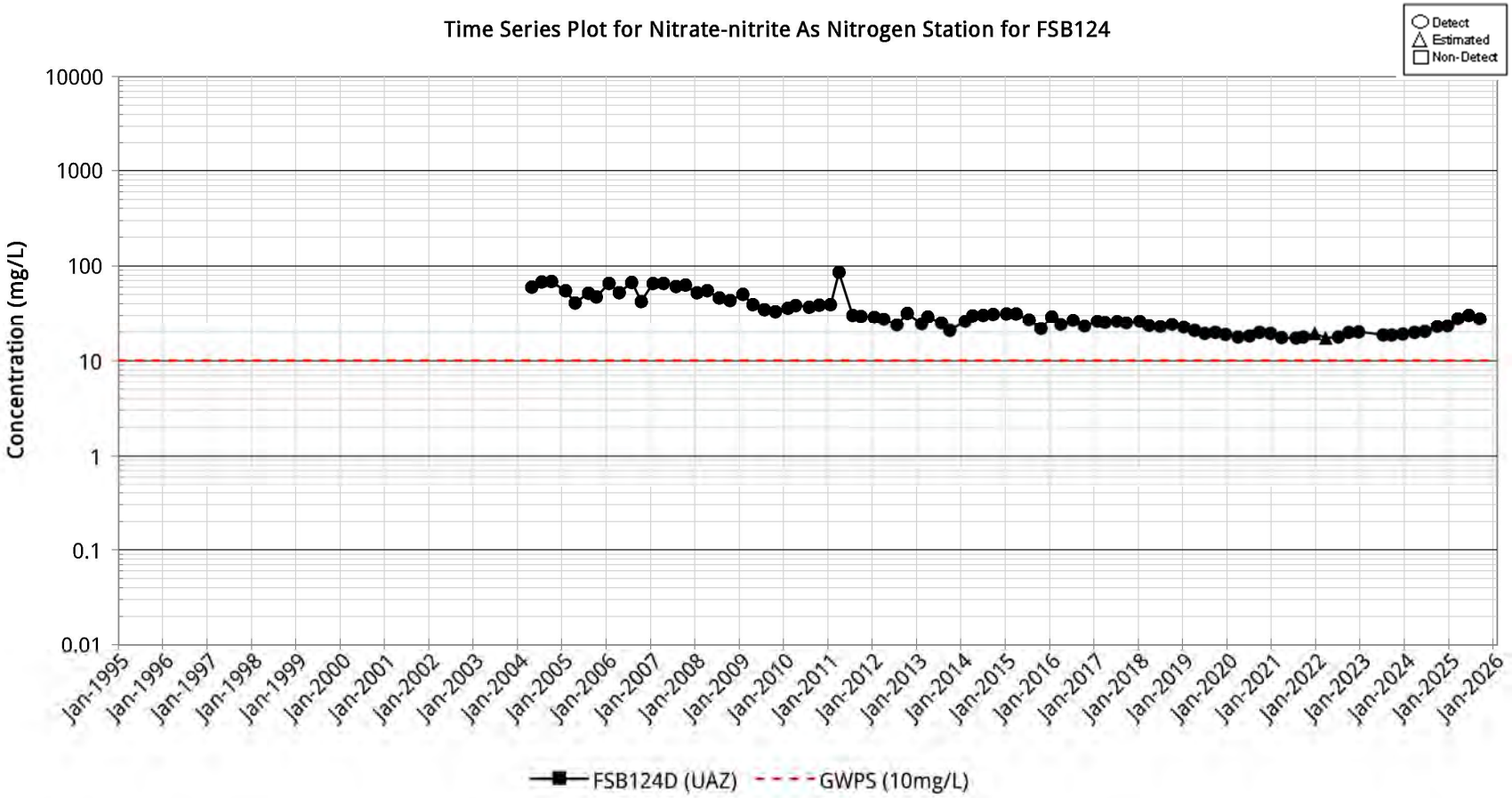
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB112C (LAZ)
FSB112A (GAU)
FSB112D (UAZ)
FSB112DR (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB124
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2020
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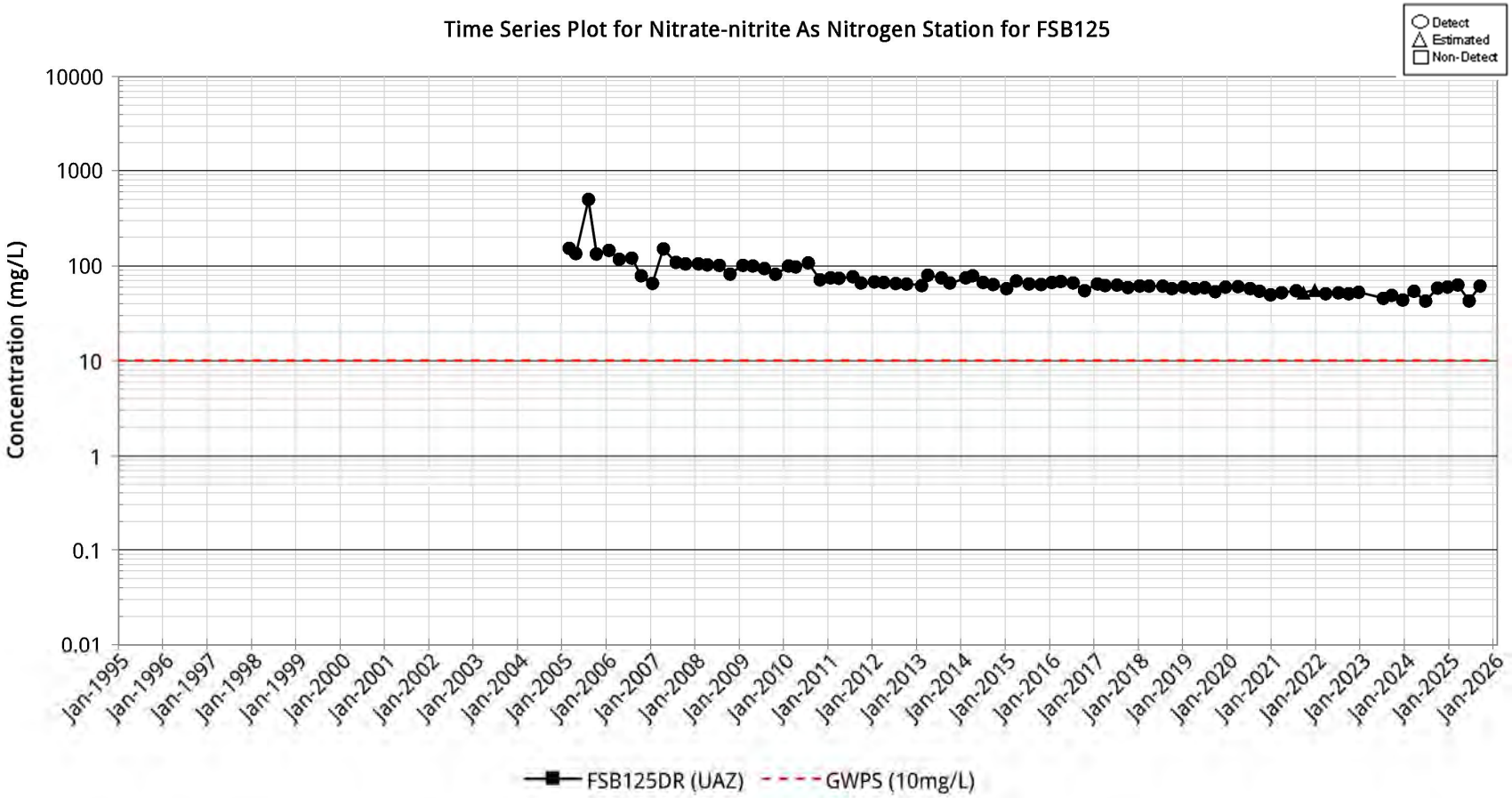
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB124D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB125
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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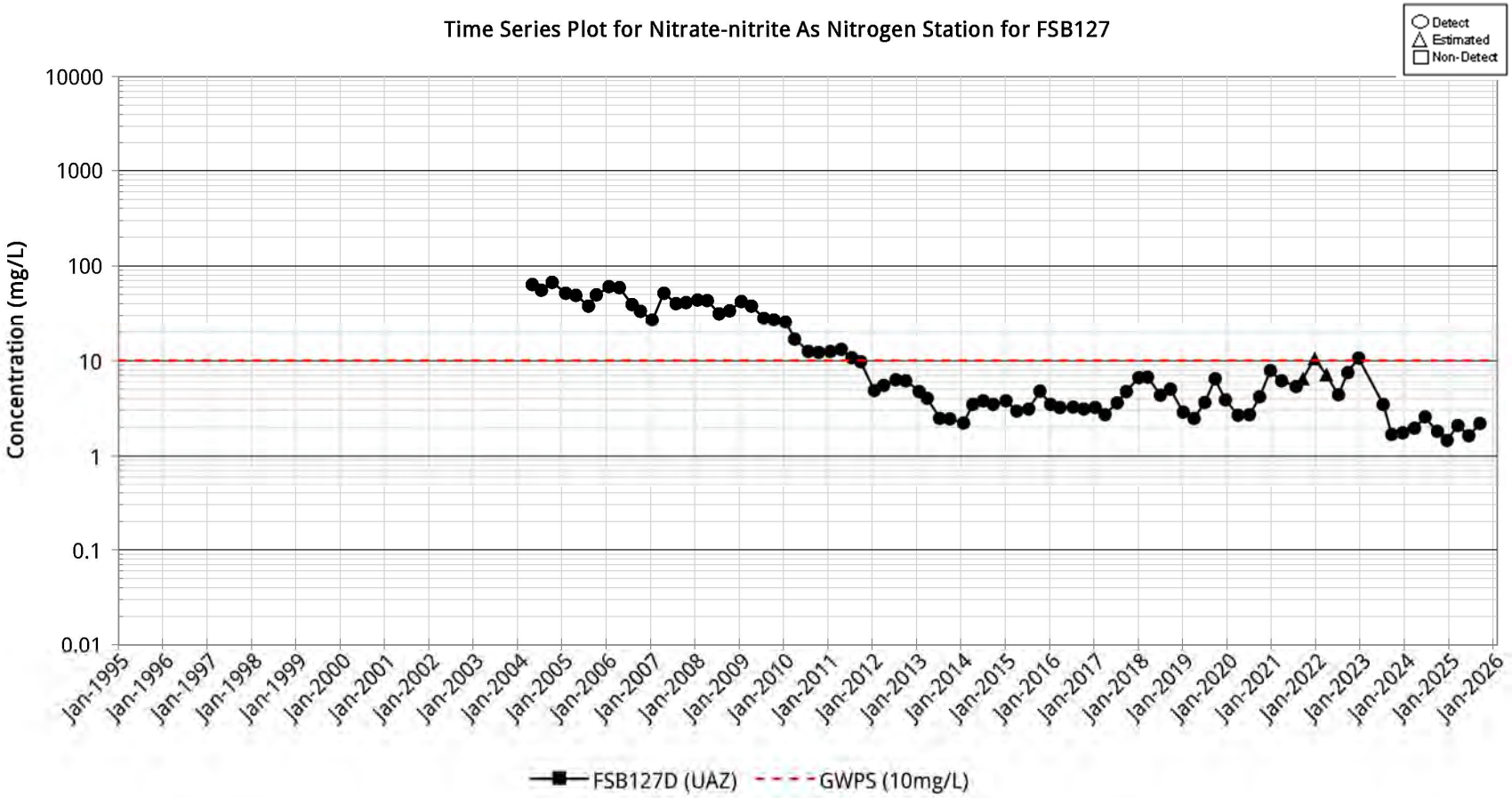
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB125DR (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB127
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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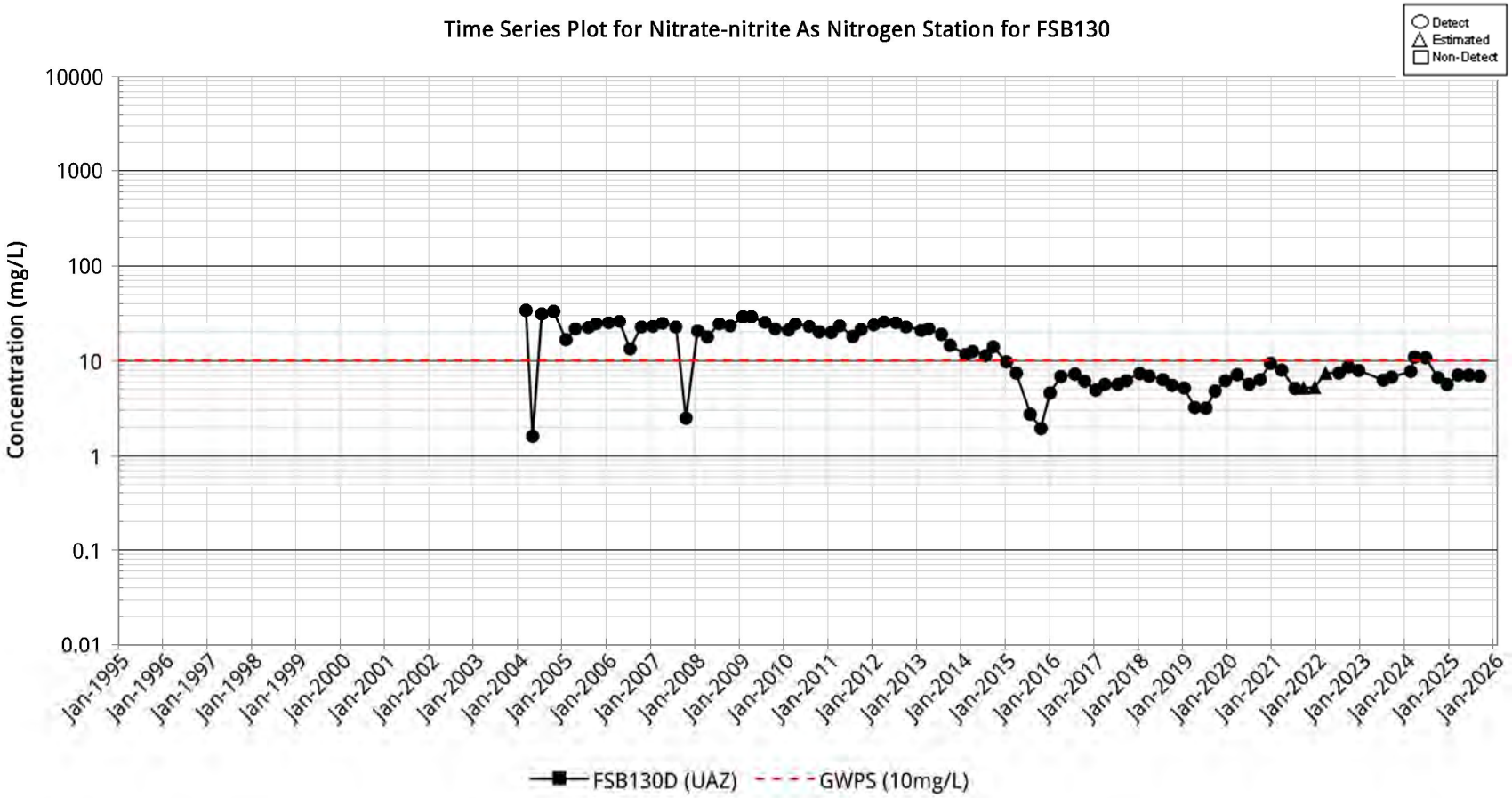
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB127D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB130
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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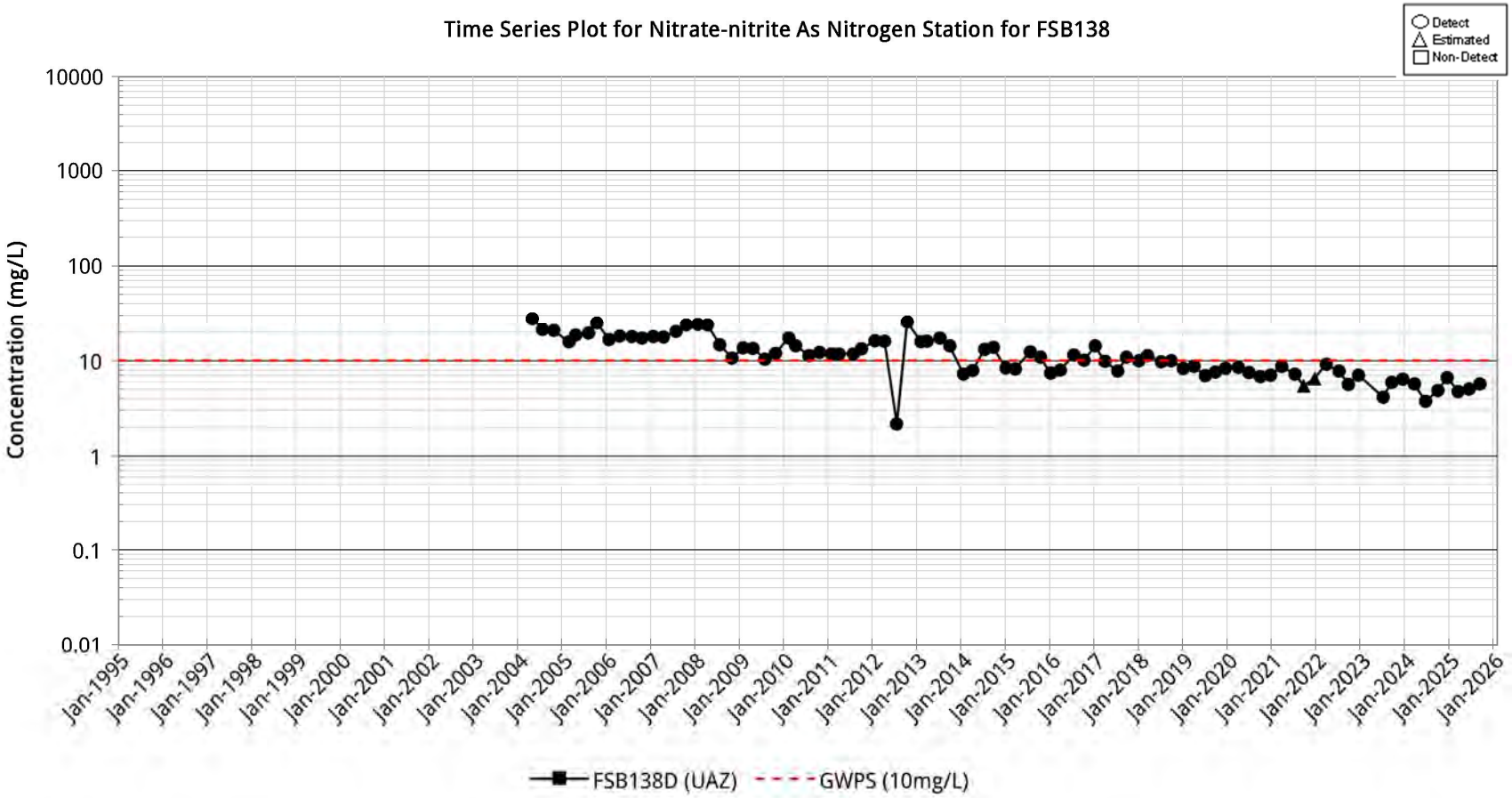
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB130D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for FSB138
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2004
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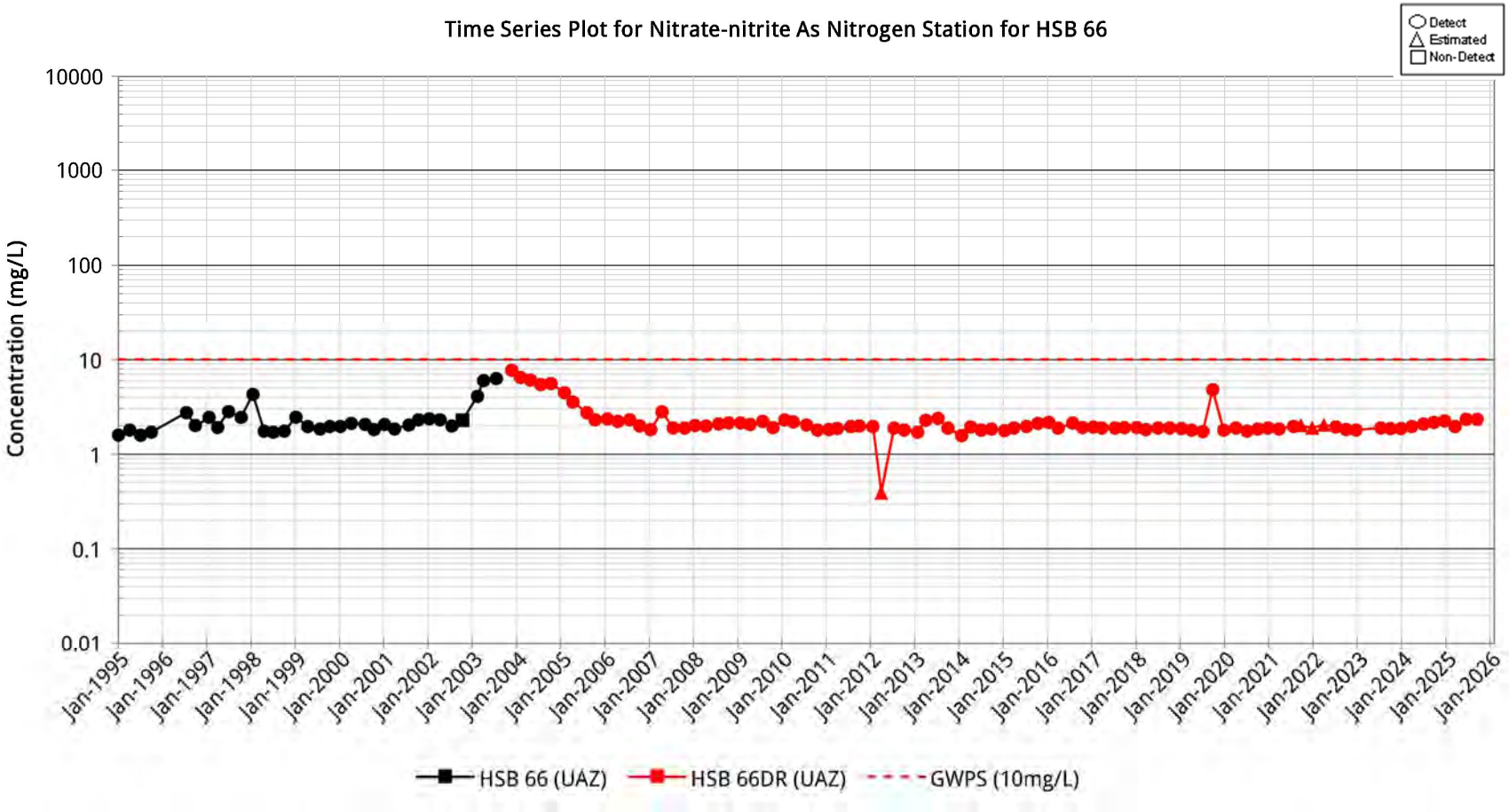
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB138D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2020
Jan-2021
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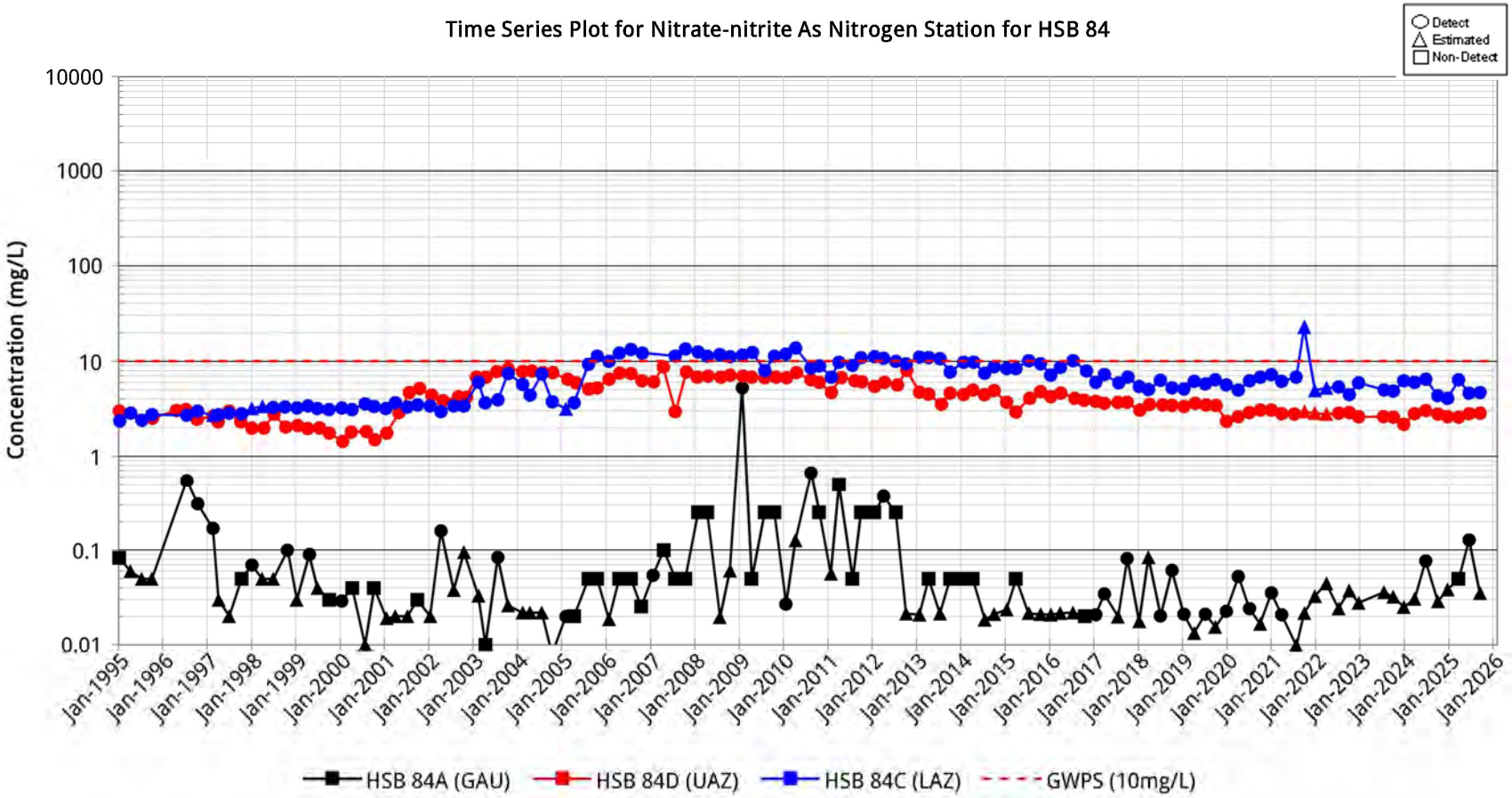
Jan-2024
Jan-2025
Jan-2026
HSB 66 (UAZ)
HSB 66DR (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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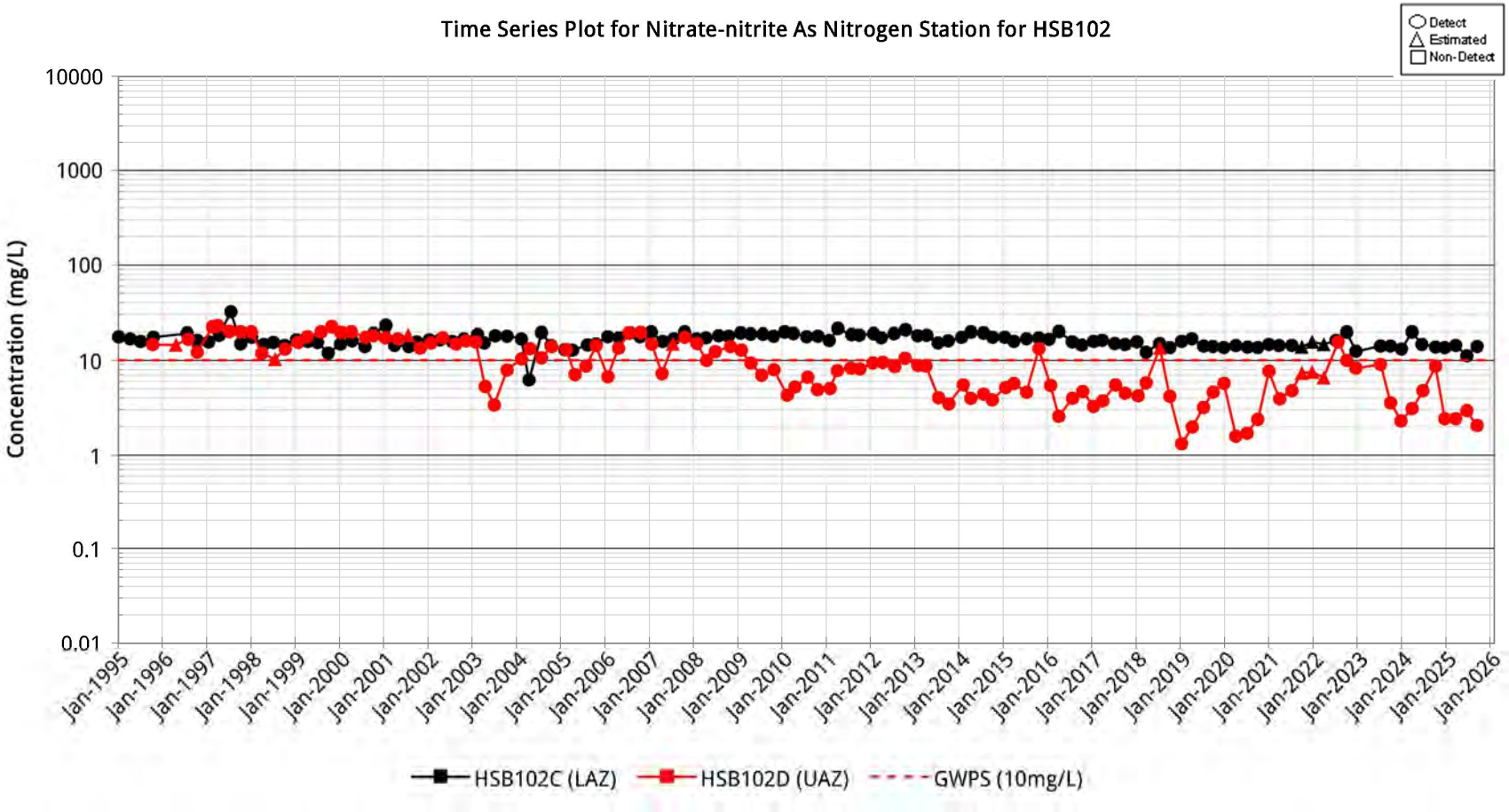
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB102
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2020
Jan-2021
Jan-2022
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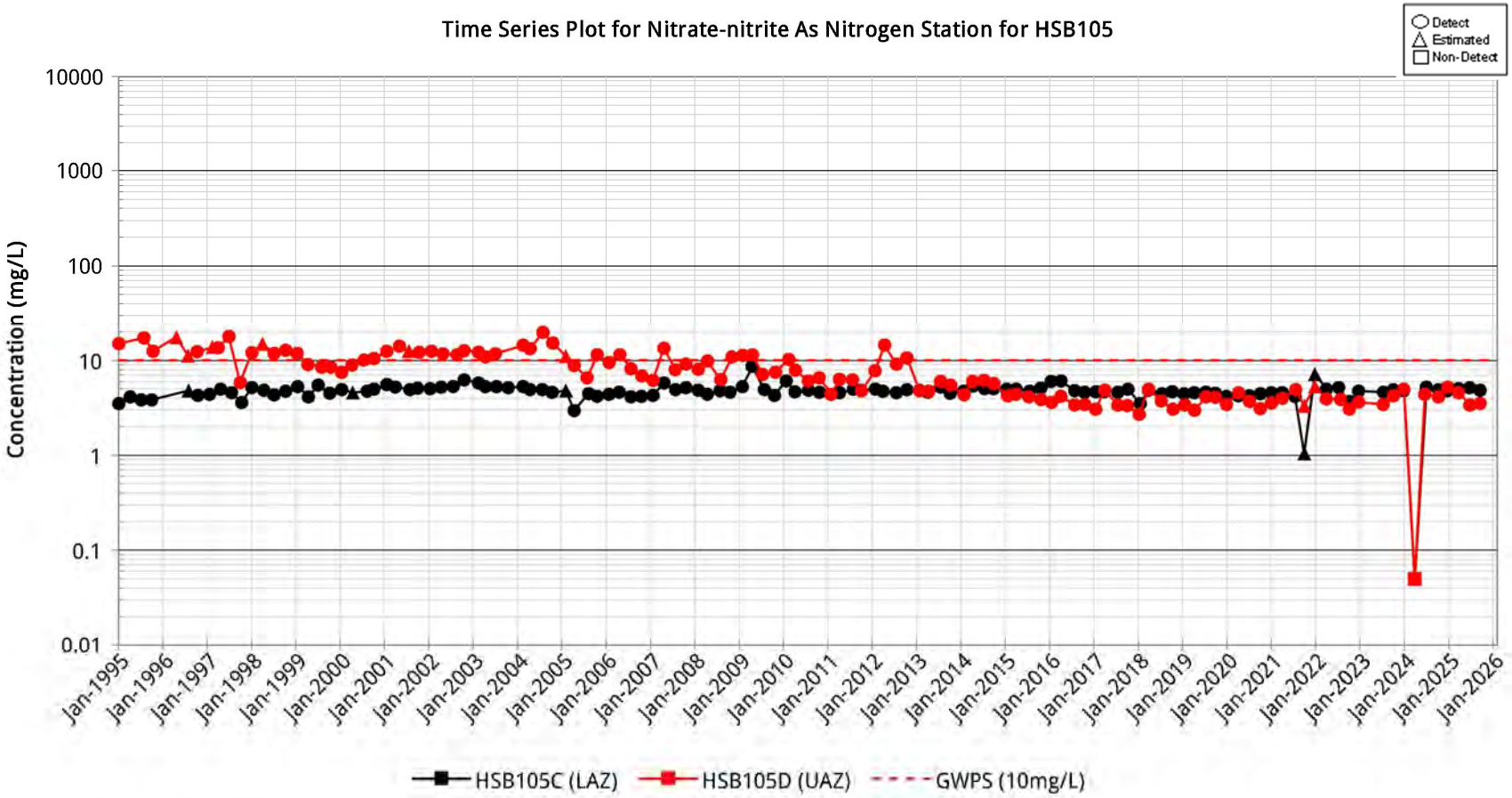
Jan-2024
Jan-2025
Jan-2026
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB105
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-1999
Jan-2000
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Jan-2021
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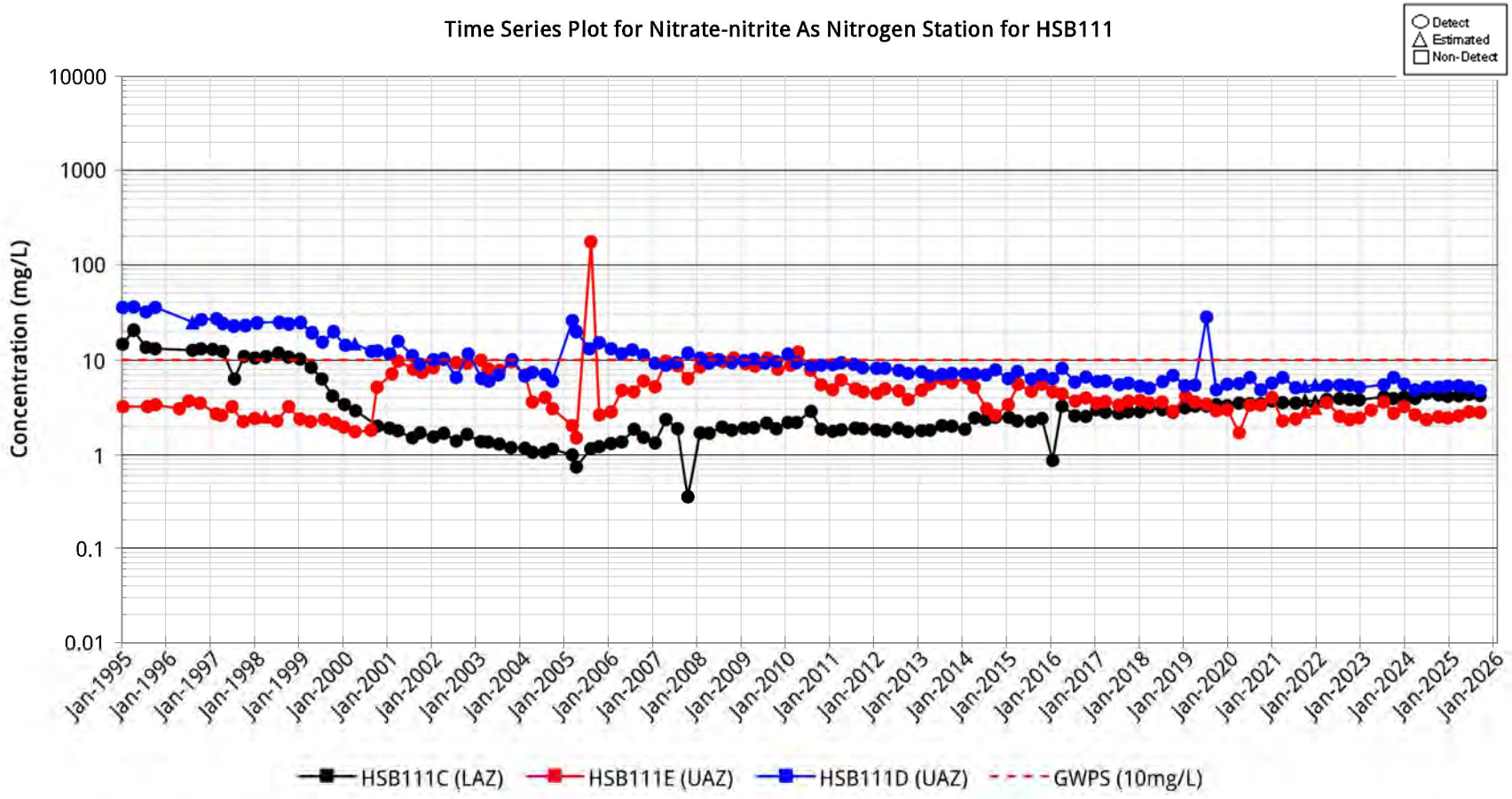
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB111
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2021
Jan-2022
Jan-2023
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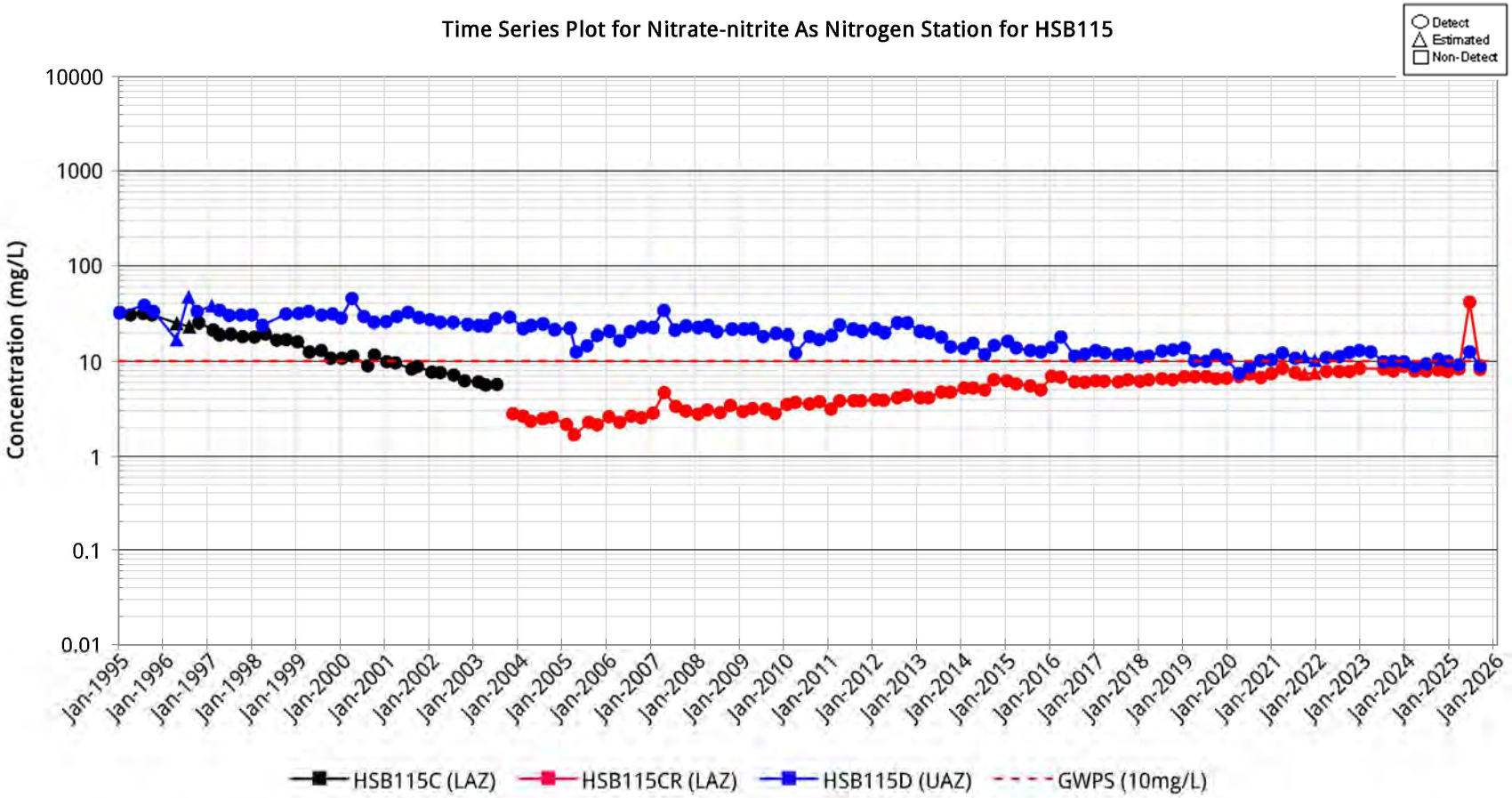
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB115
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-2021
Jan-2022
Jan-2023
Jan-2024
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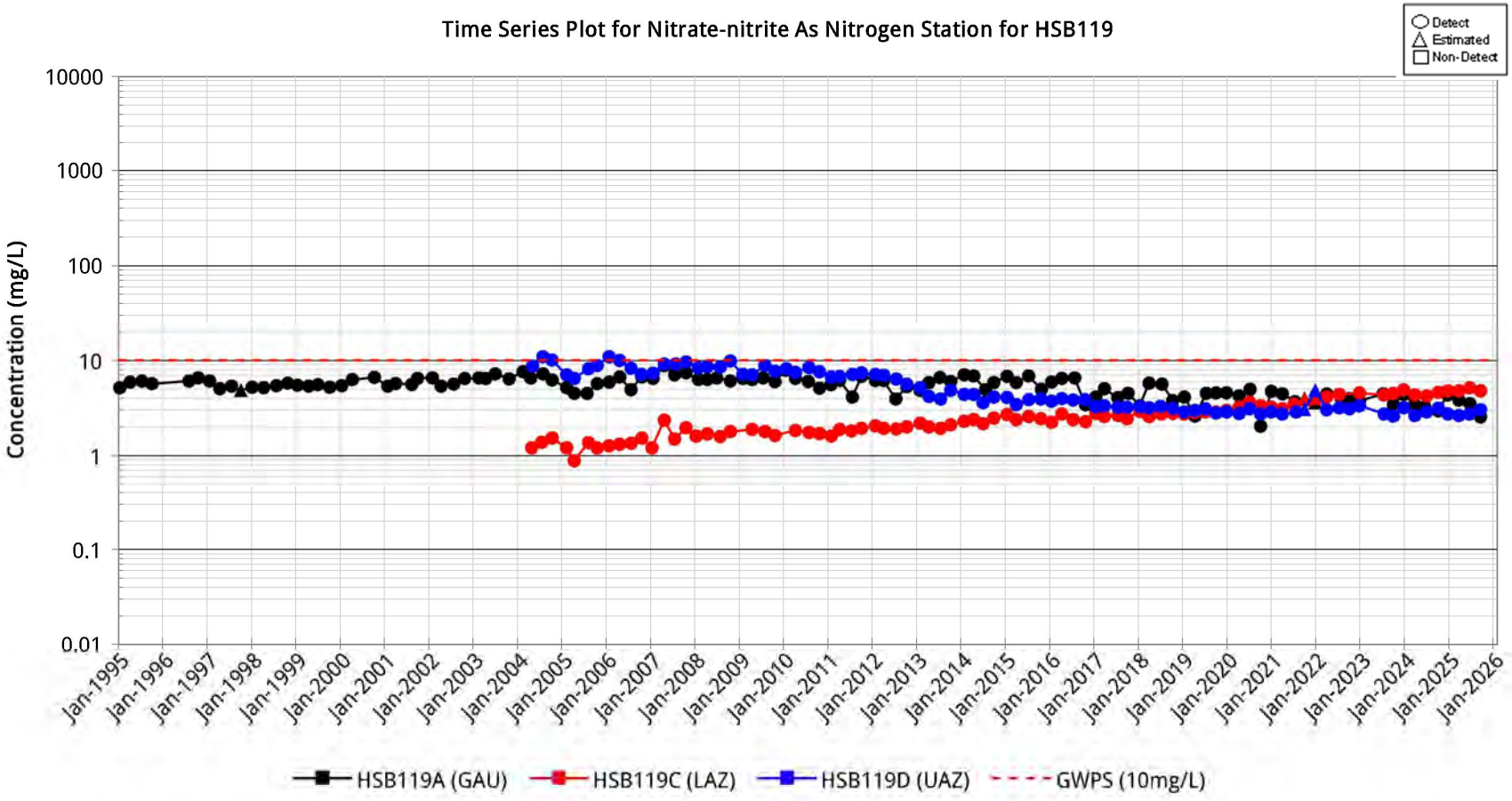
Jan-2026
HSB115C (LAZ)
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB119
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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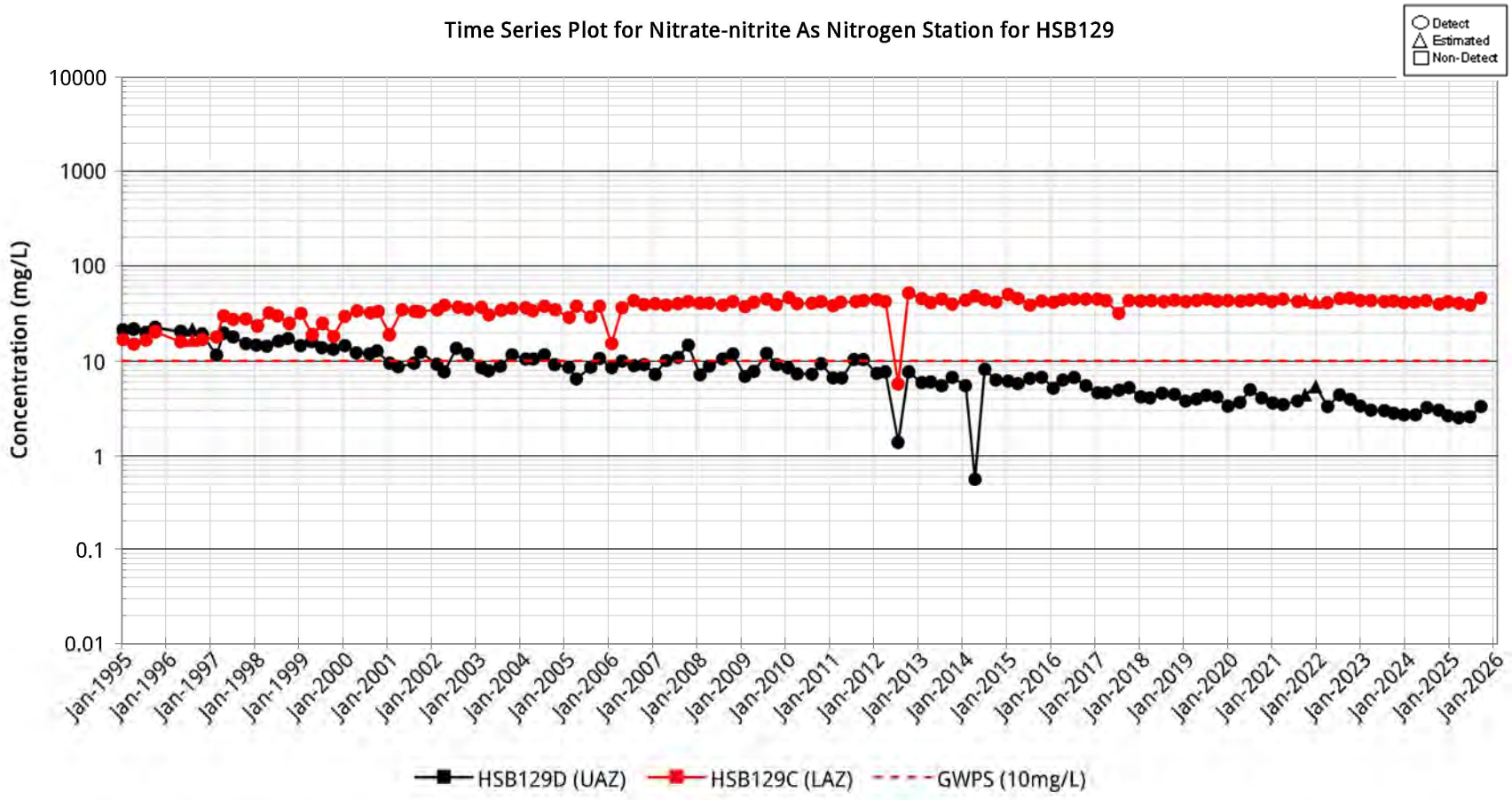
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB129
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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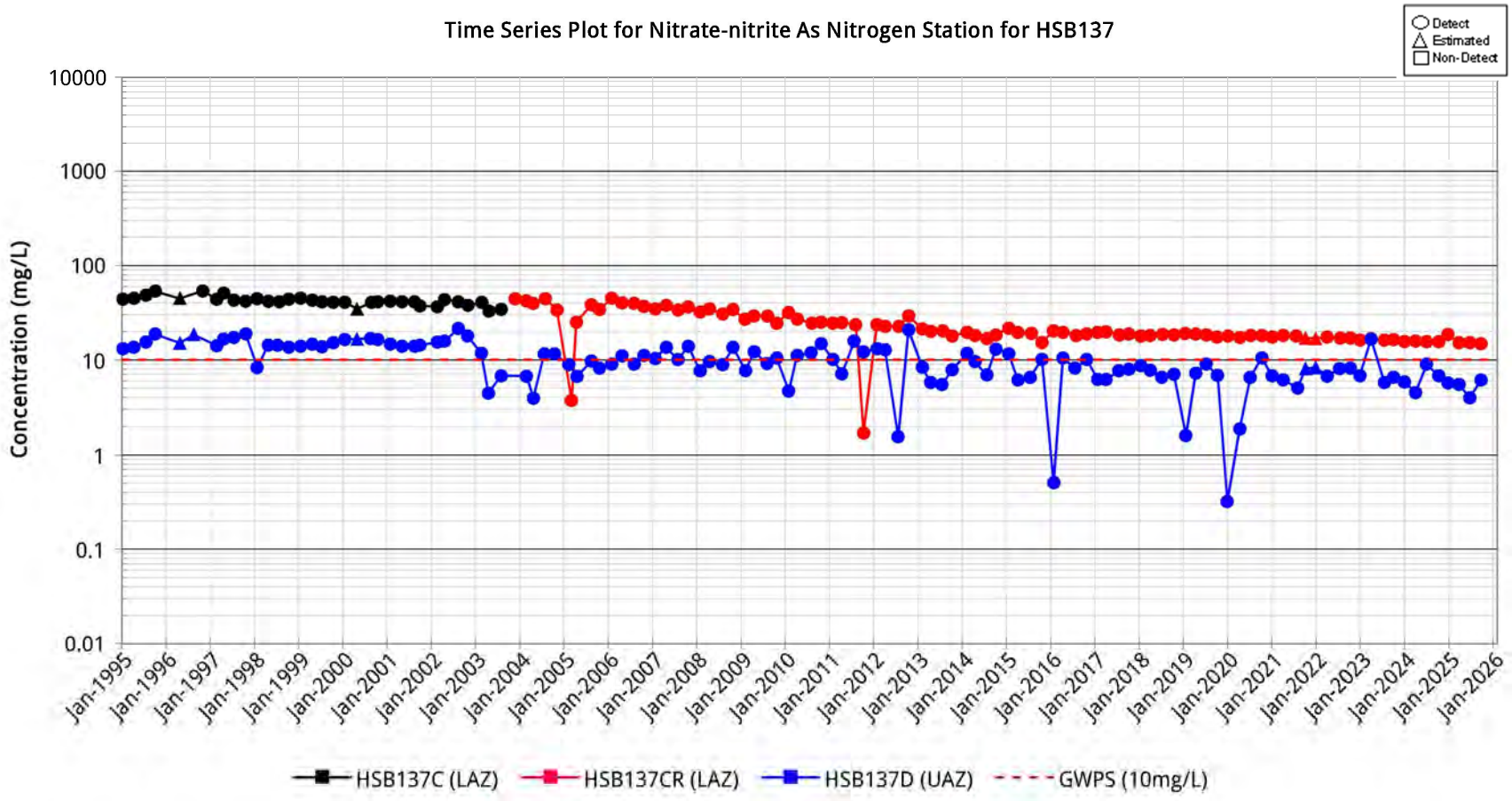
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (10mg/L)


Time Series Plot for Nitrate-nitrite As Nitrogen Station for HSB137
Detect
Estimated
Non-Detect
Concentration (mg/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2022
Jan-2023
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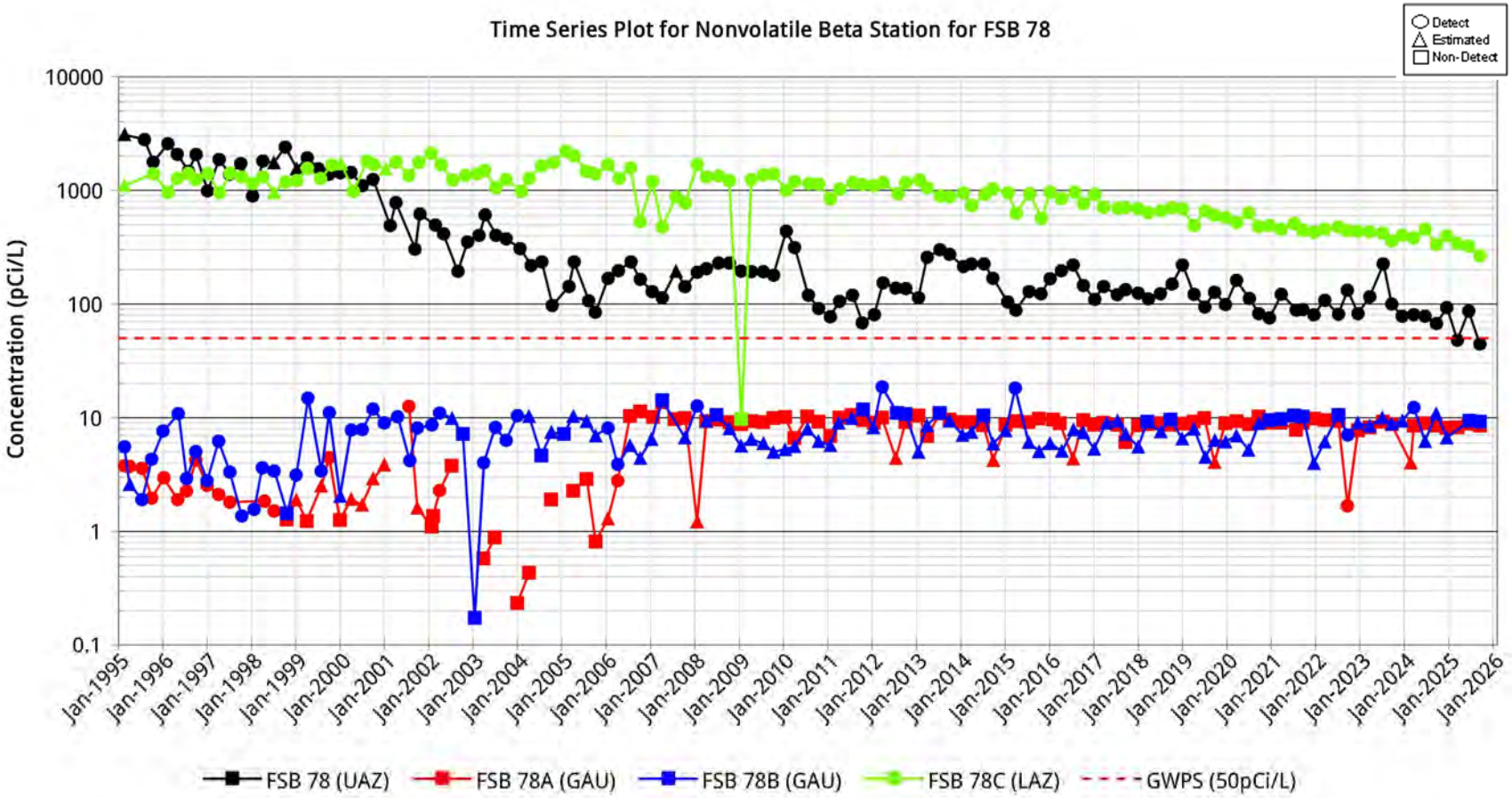
Jan-2026
HSB137C (LAZ)
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (10mg/L)


Time Series Plot for Nonvolatile Beta Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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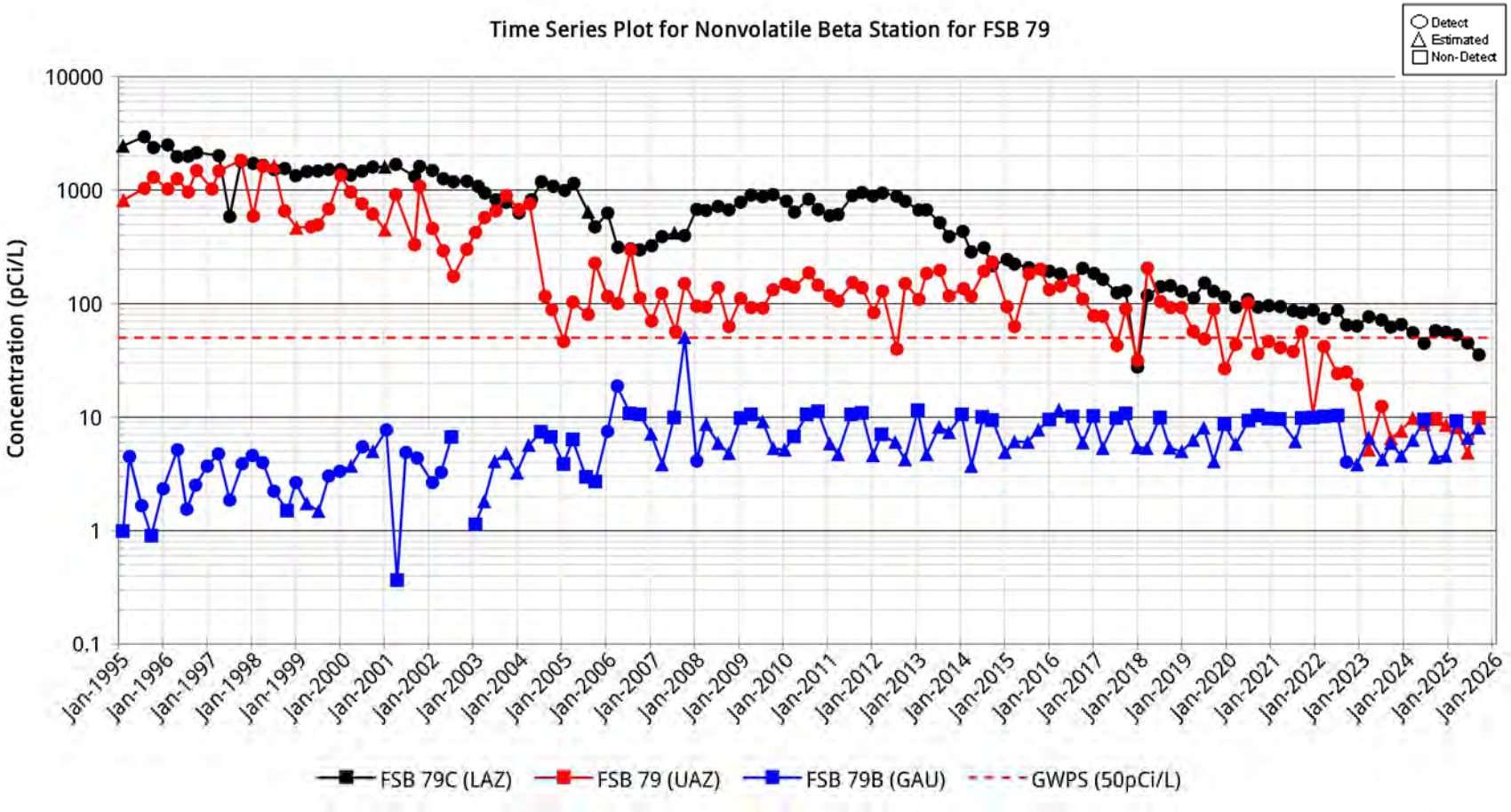
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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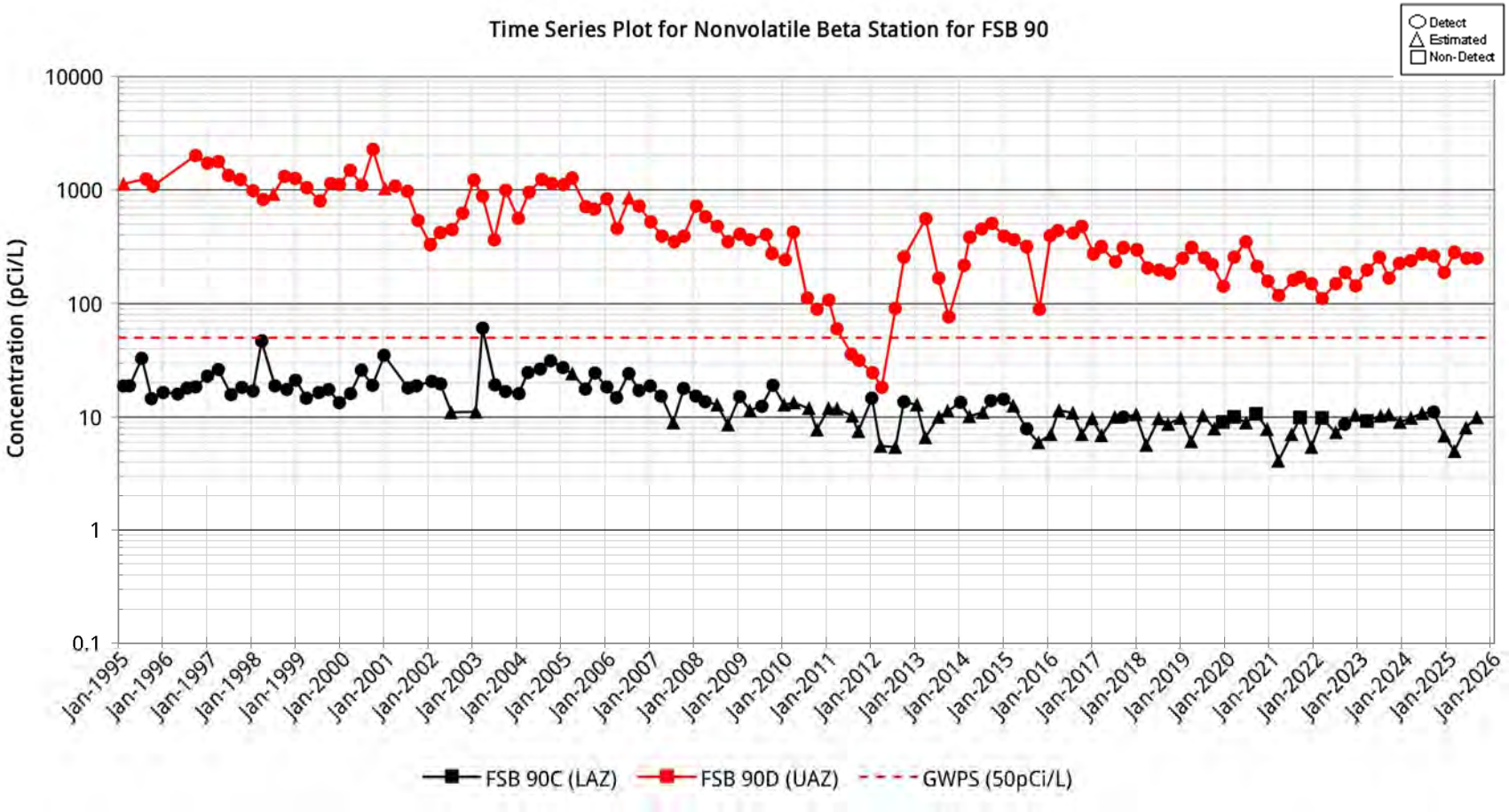
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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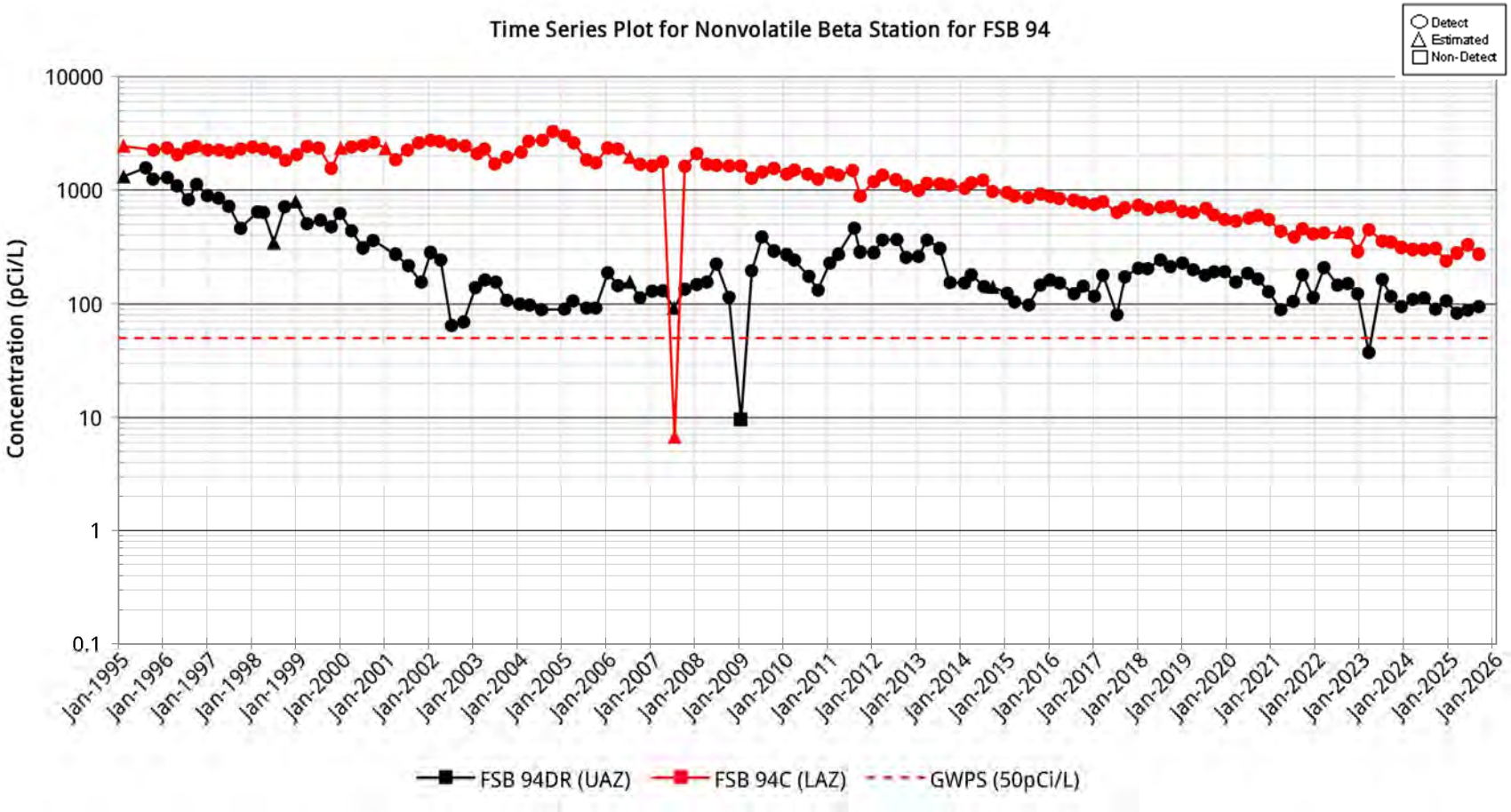
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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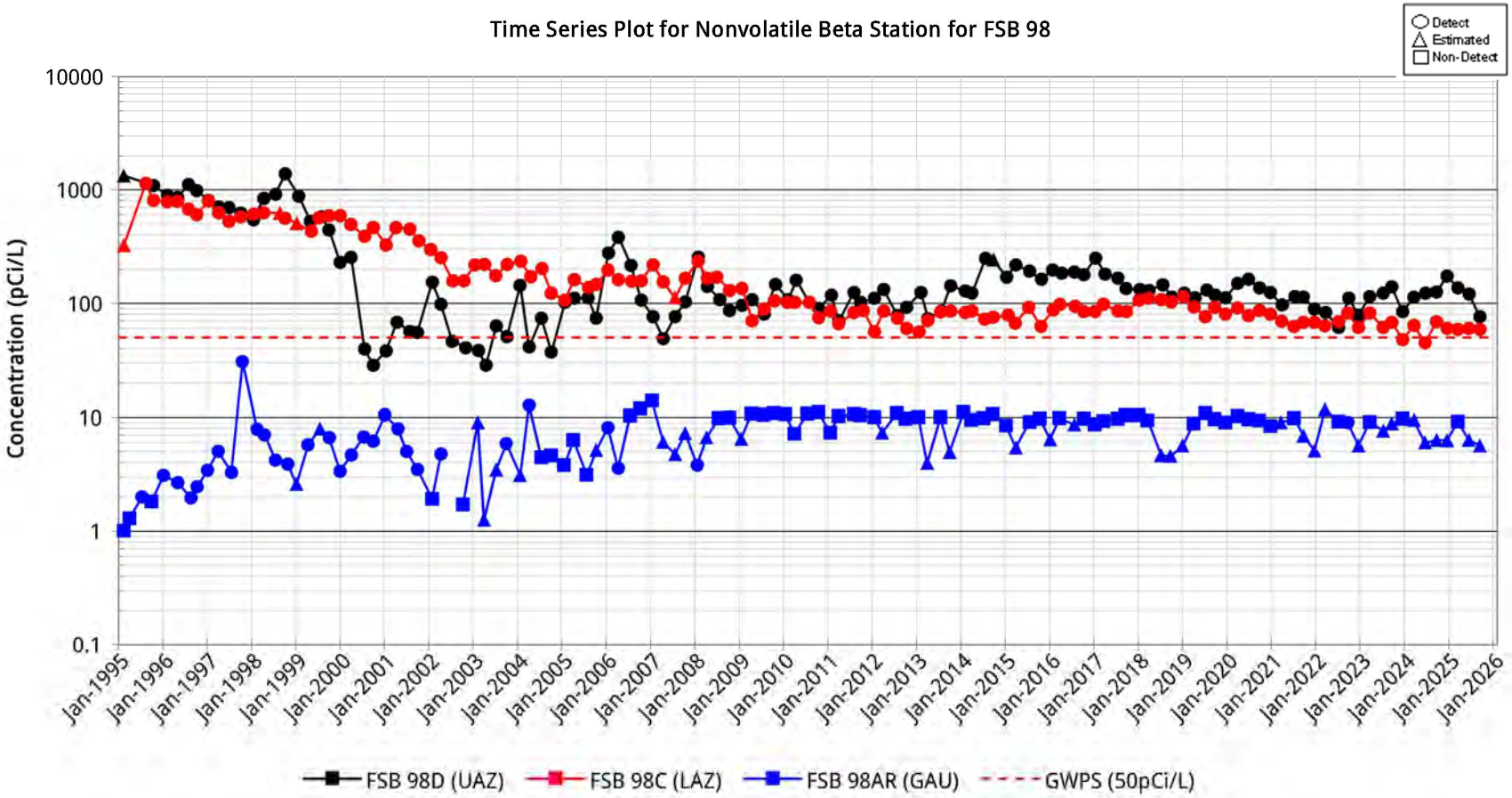
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2023
Jan-2024
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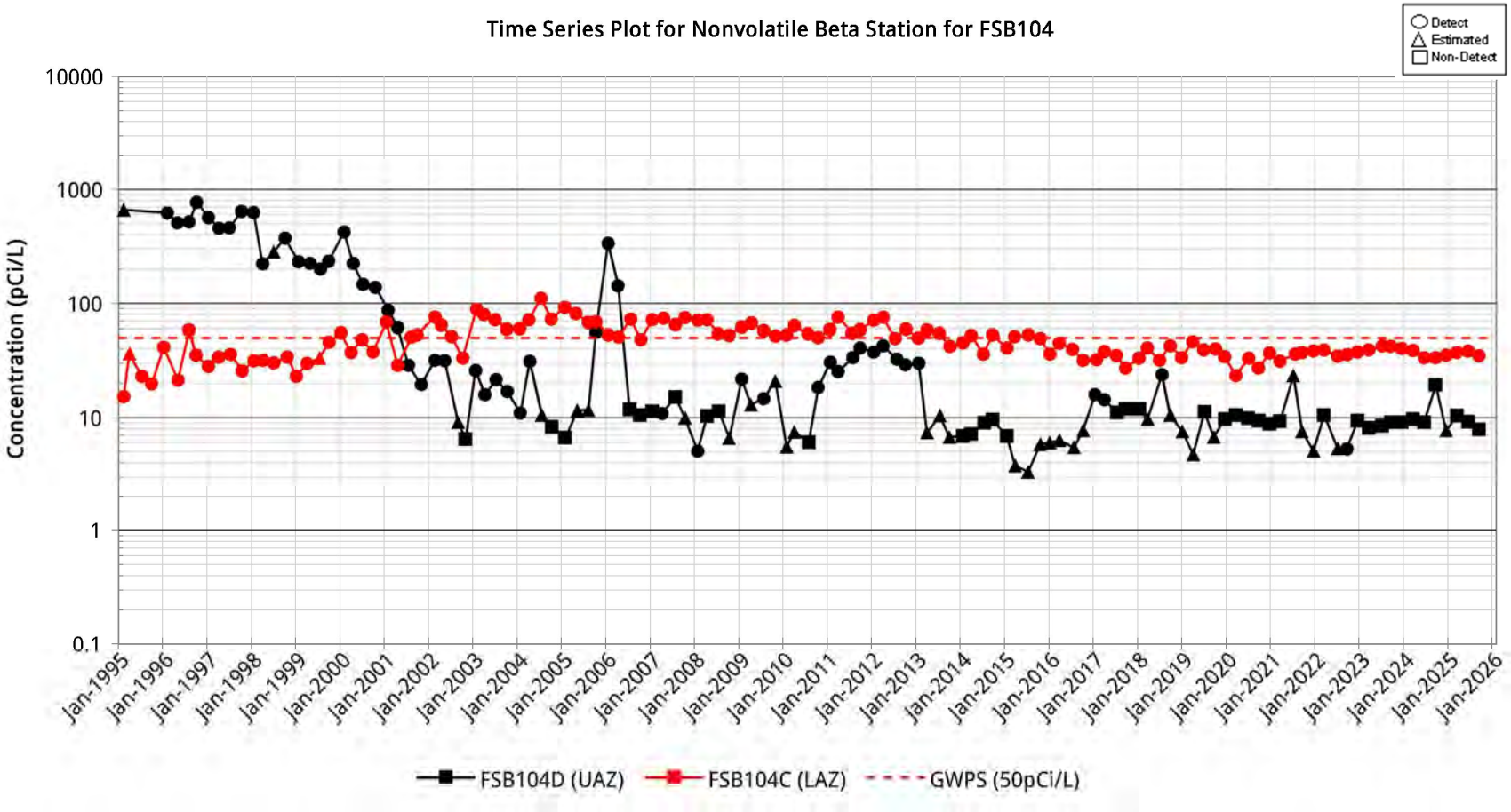
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB104
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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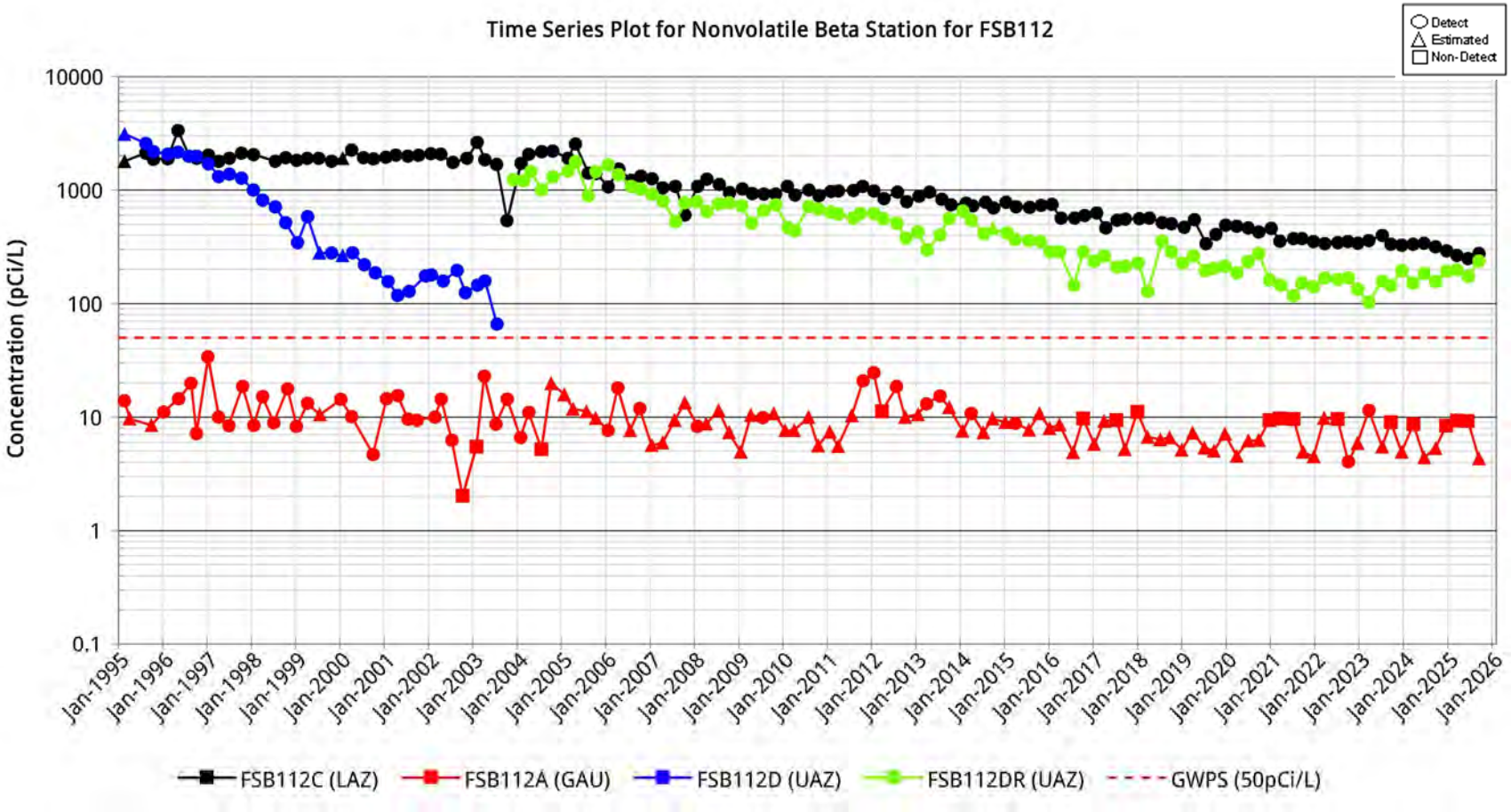
Jan-2024
Jan-2025
Jan-2026
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB112
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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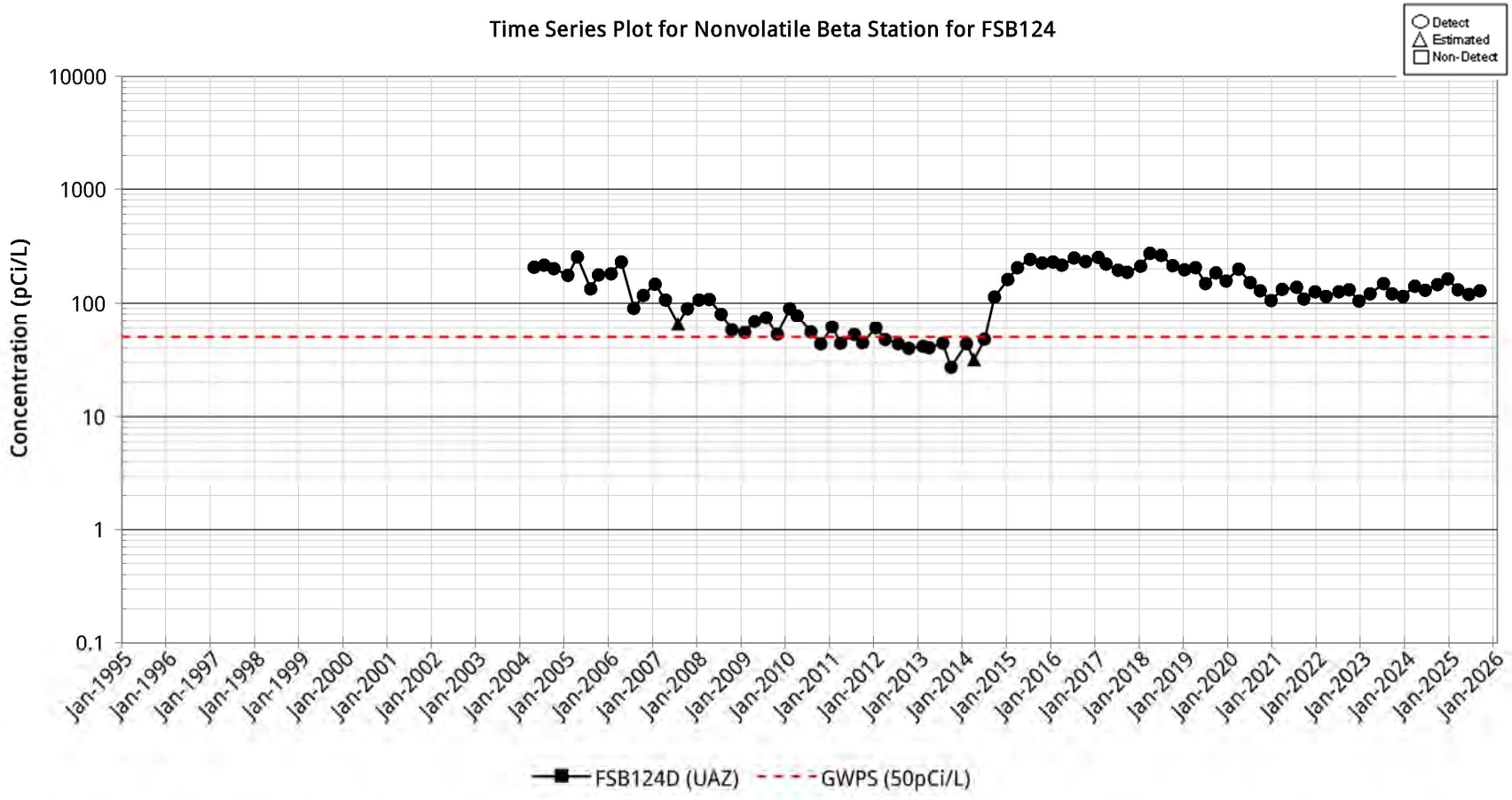
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB112C (LAZ)
FSB112A (GAU)
FSB112D (UAZ)
FSB112DR (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB124
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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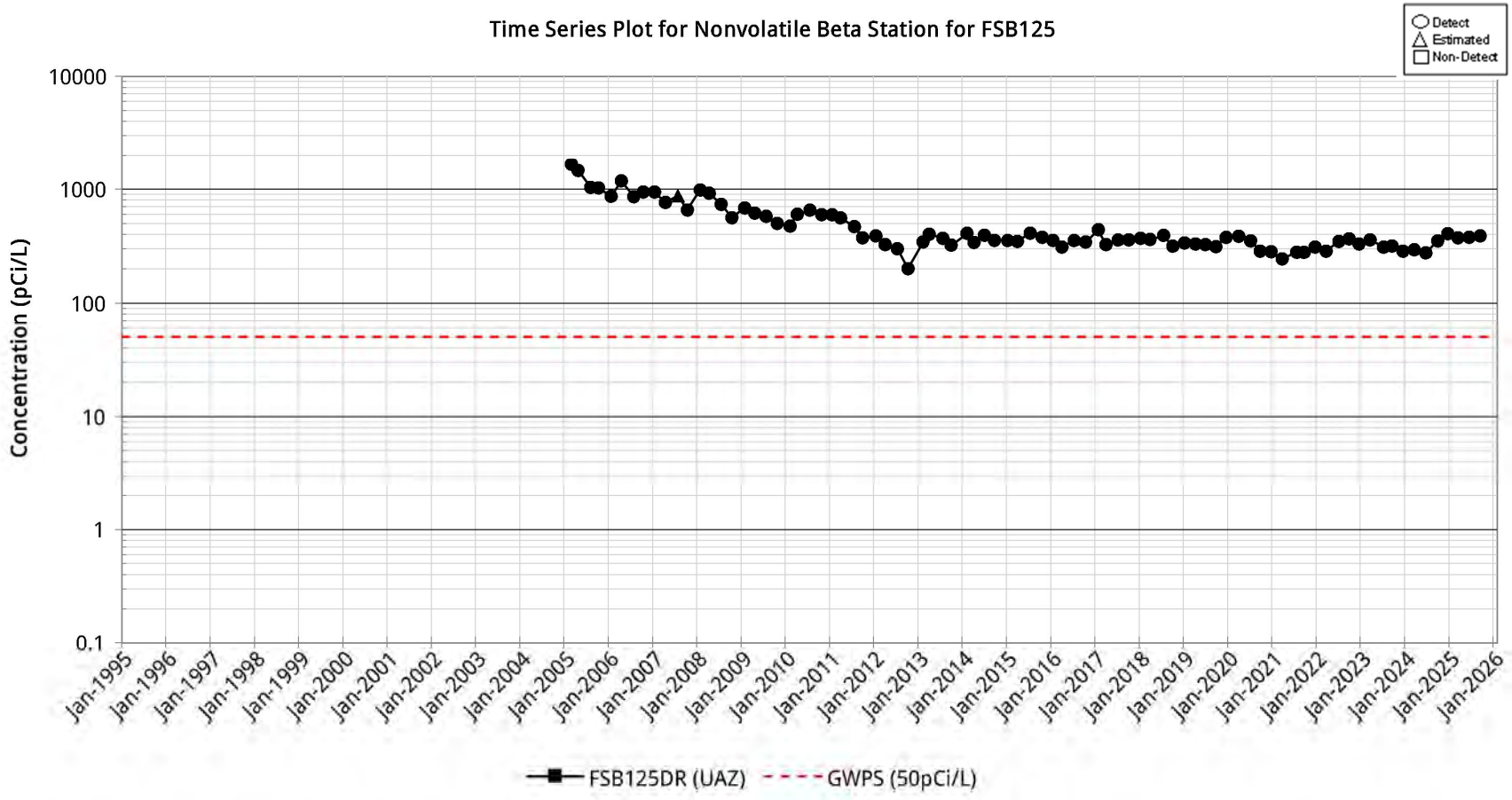
Jan-2026
FSB124D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB125
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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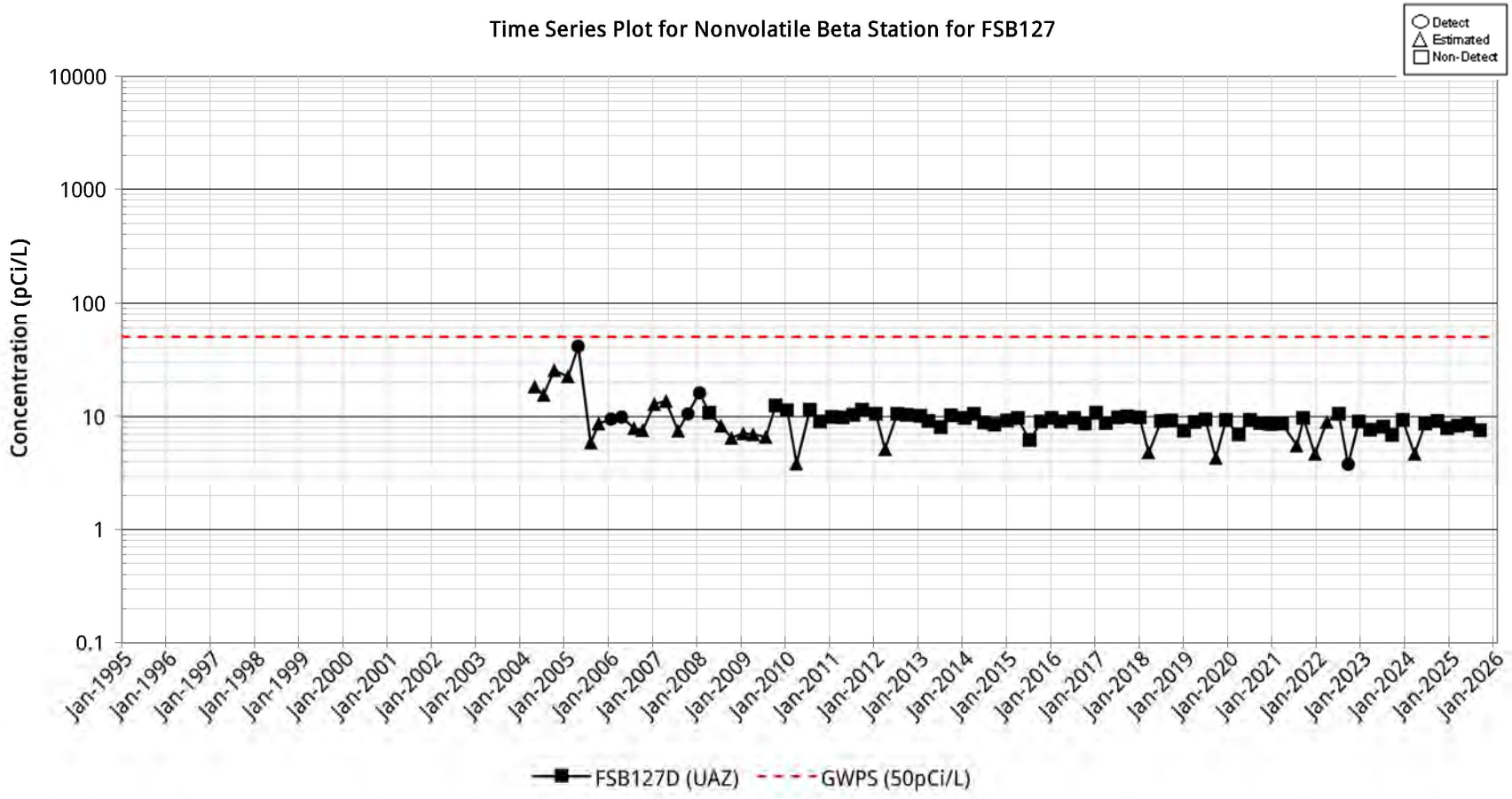
Jan-2025
Jan-2026
FSB125DR (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB127
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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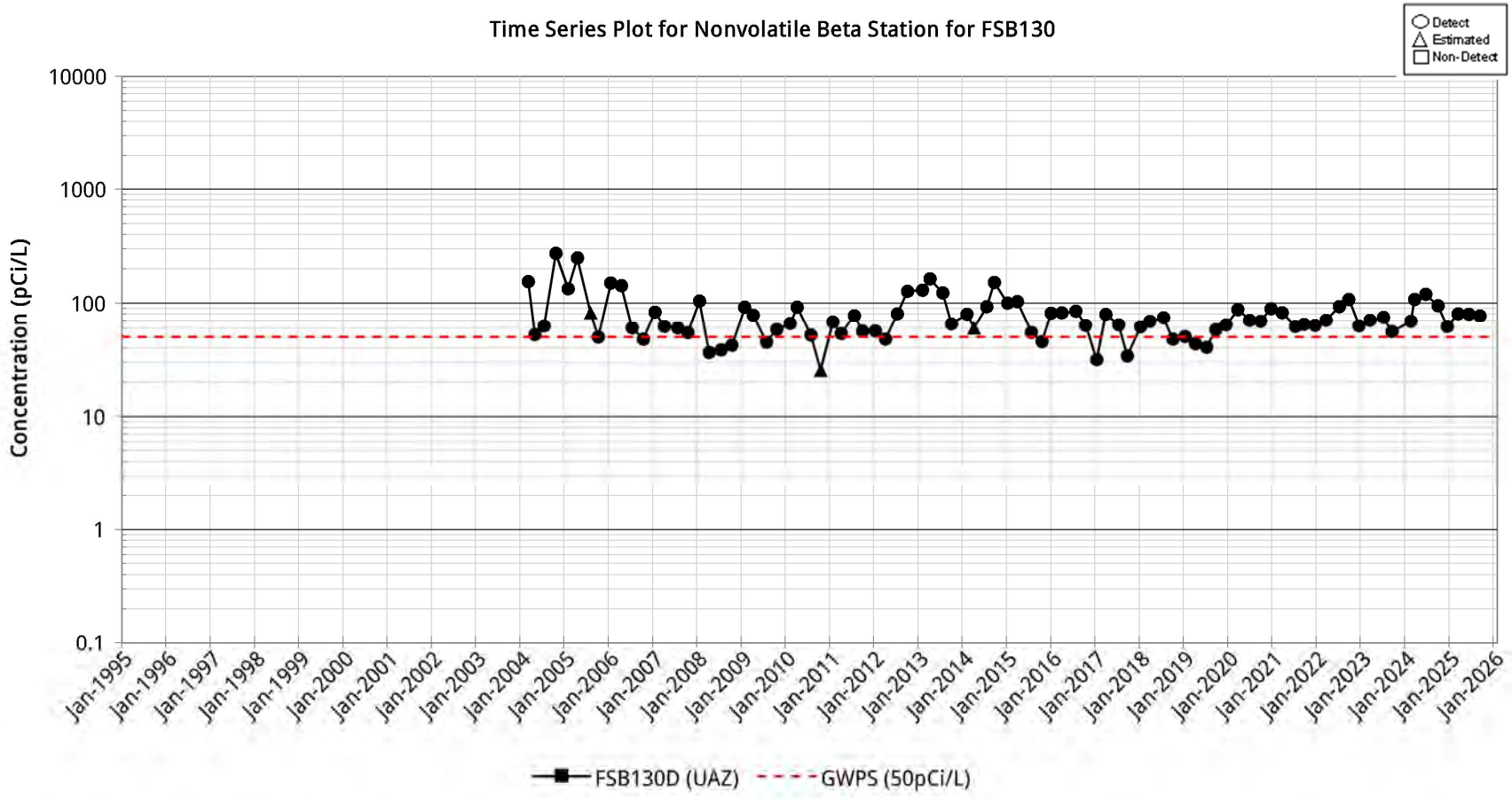
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB127D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB130
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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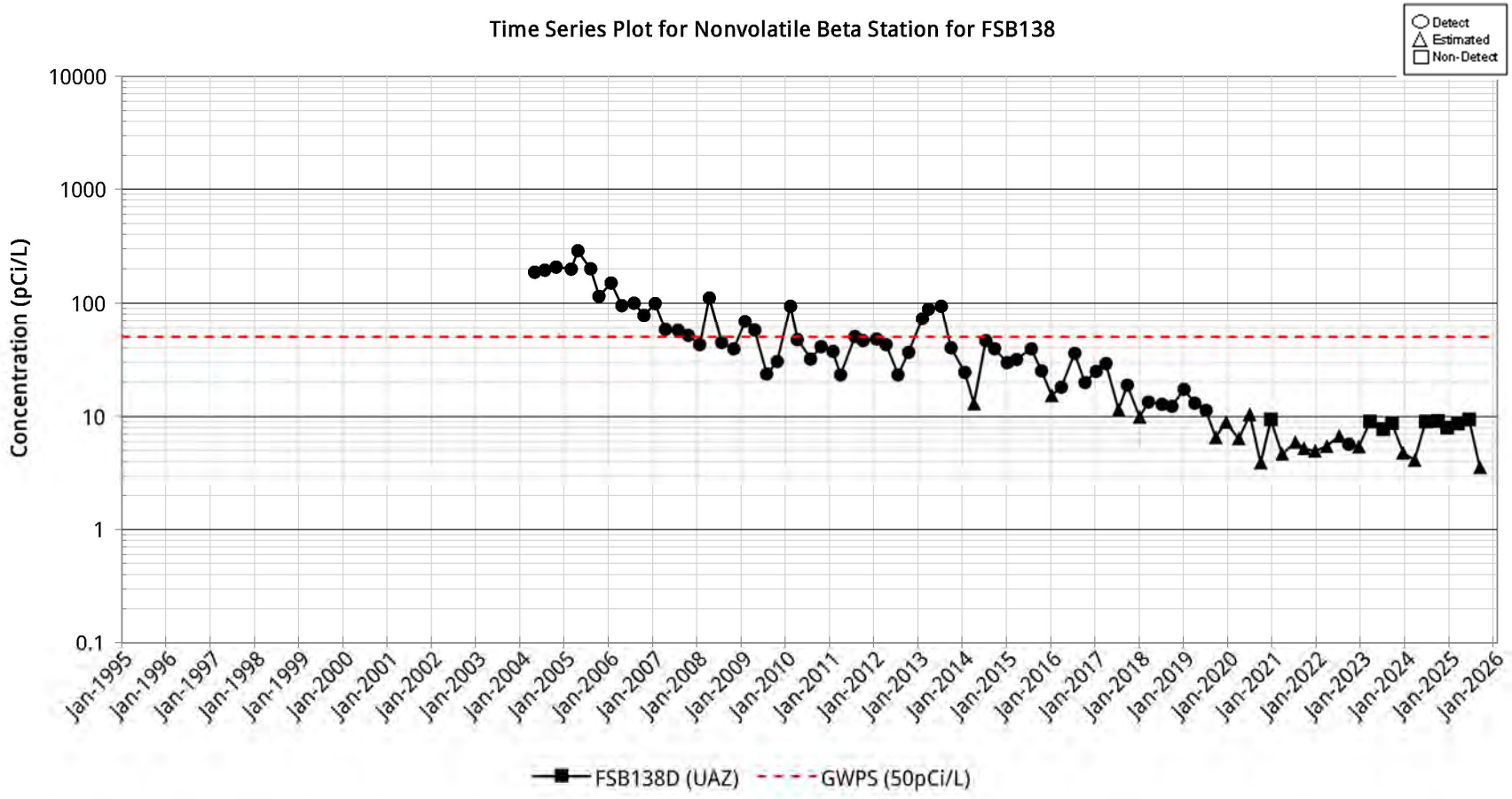
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB130D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for FSB138
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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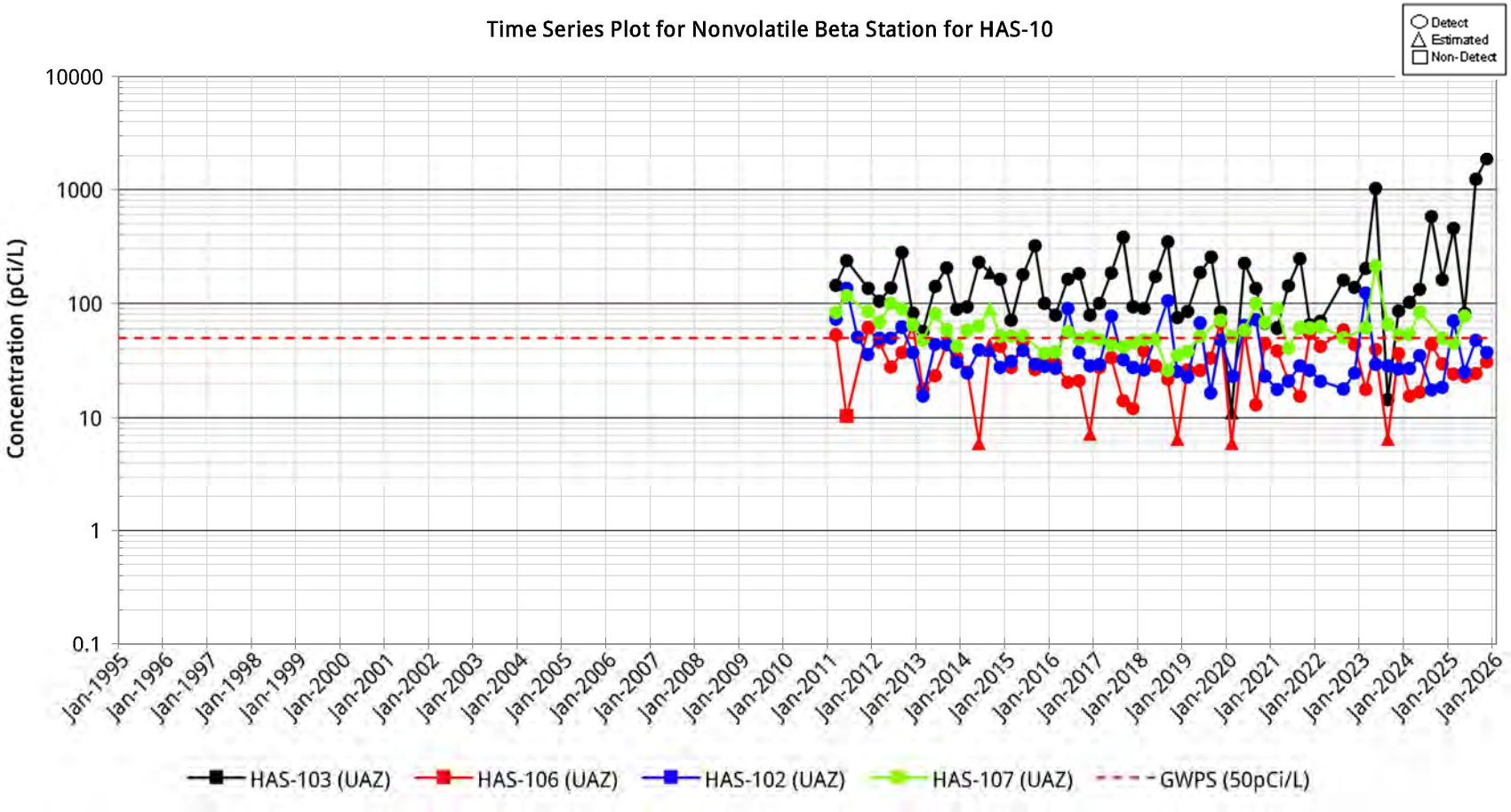
Jan-2024
Jan-2025
Jan-2026
FSB138D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HAS-10
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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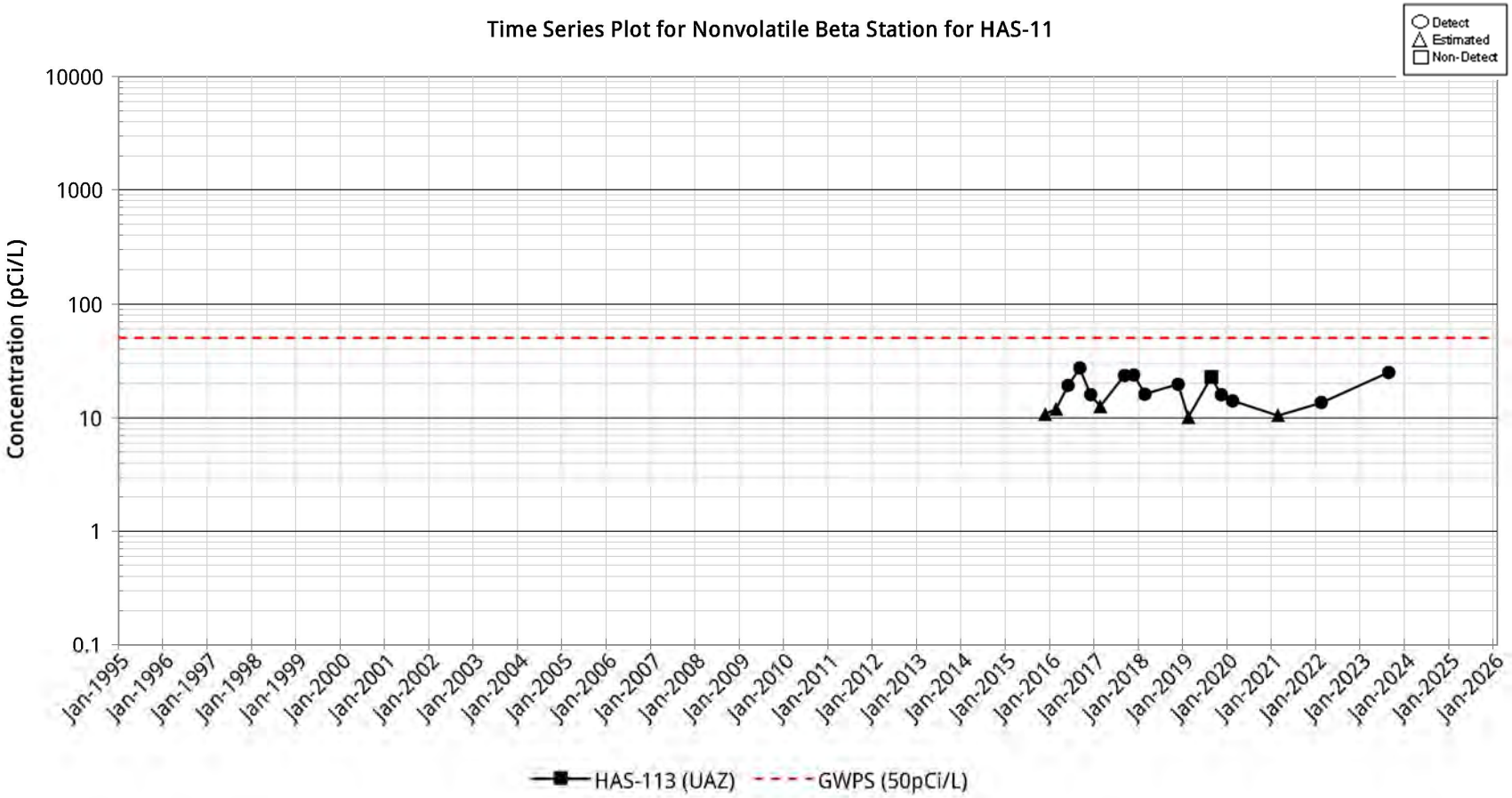
Jan-2026
HAS-103 (UAZ)
HAS-106 (UAZ)
HAS-102 (UAZ)
HAS-107 (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HAS-11
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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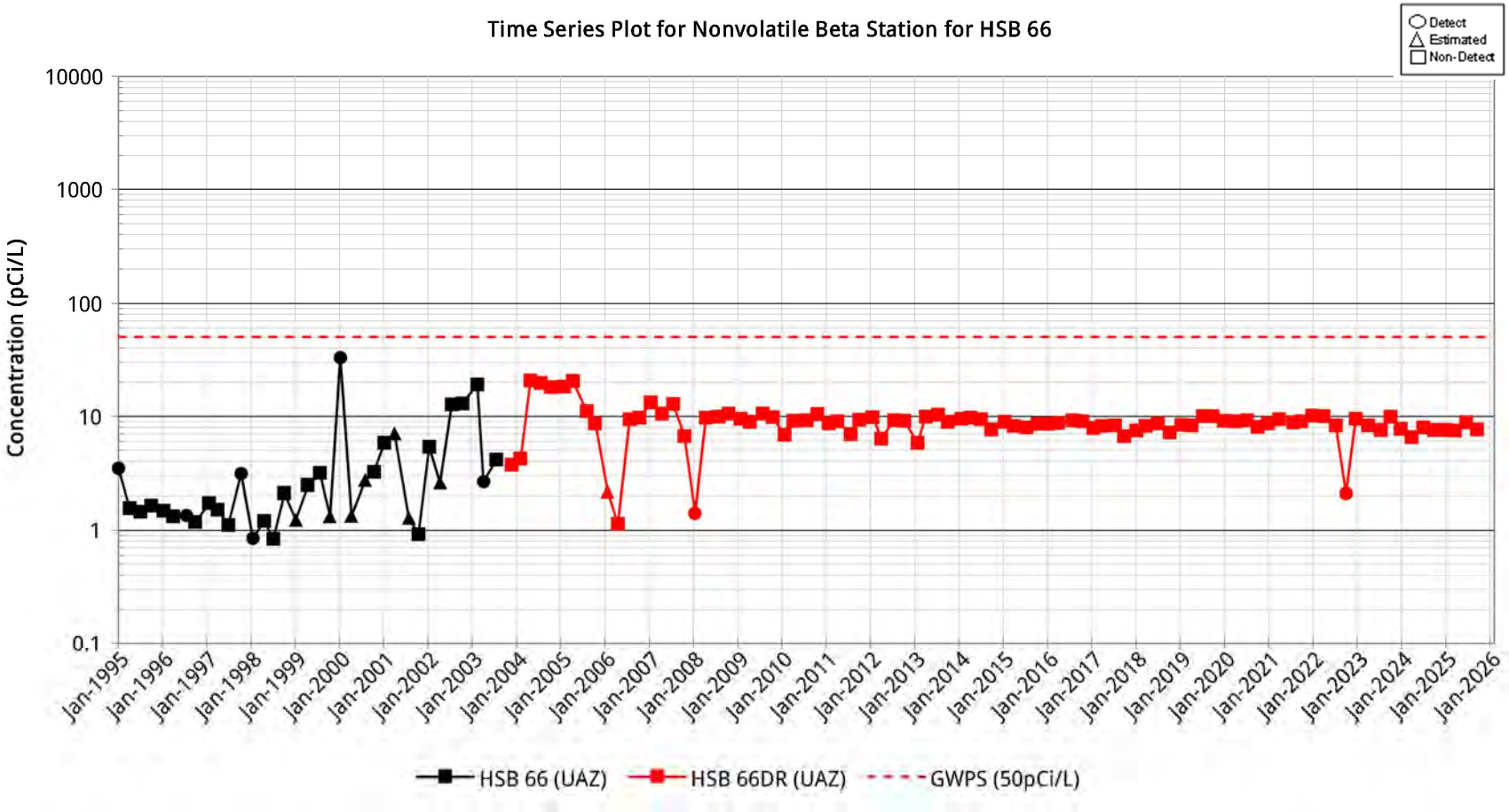
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HAS-113 (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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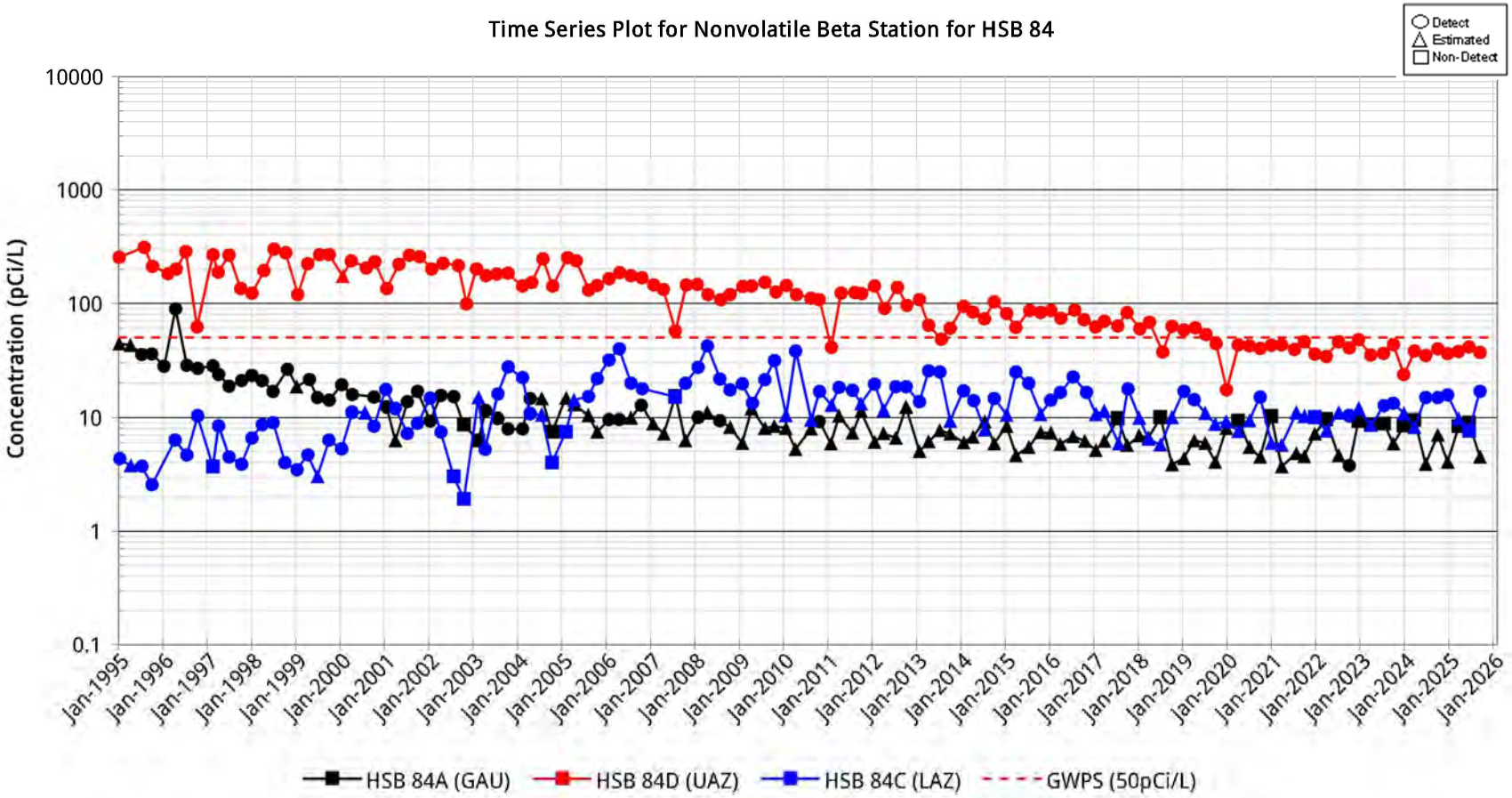
Jan-2025
Jan-2026
HSB 66 (UAZ)
HSB 66DR (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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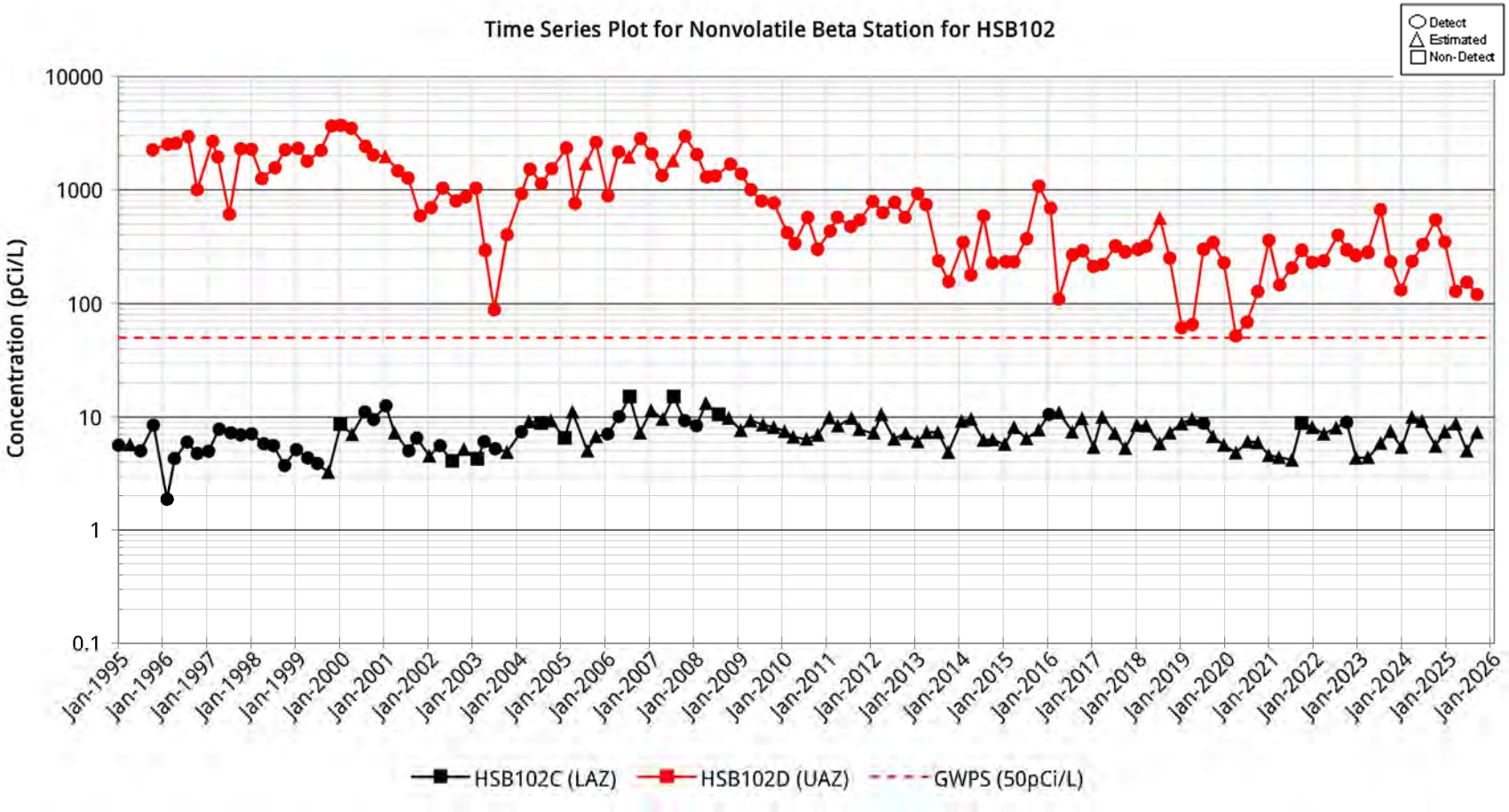
Jan-2026
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB102
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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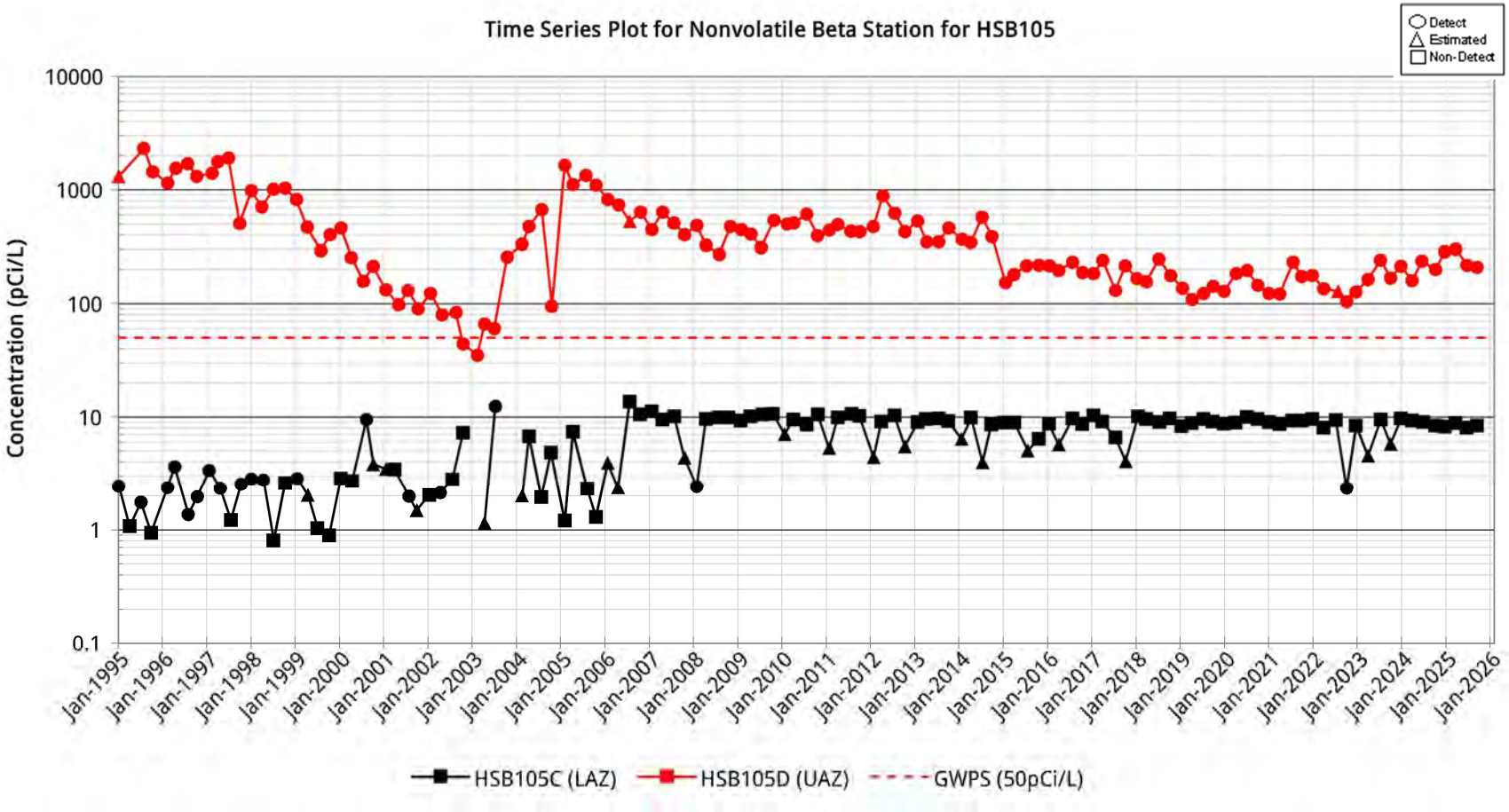
Jan-2024
Jan-2025
Jan-2026
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB105
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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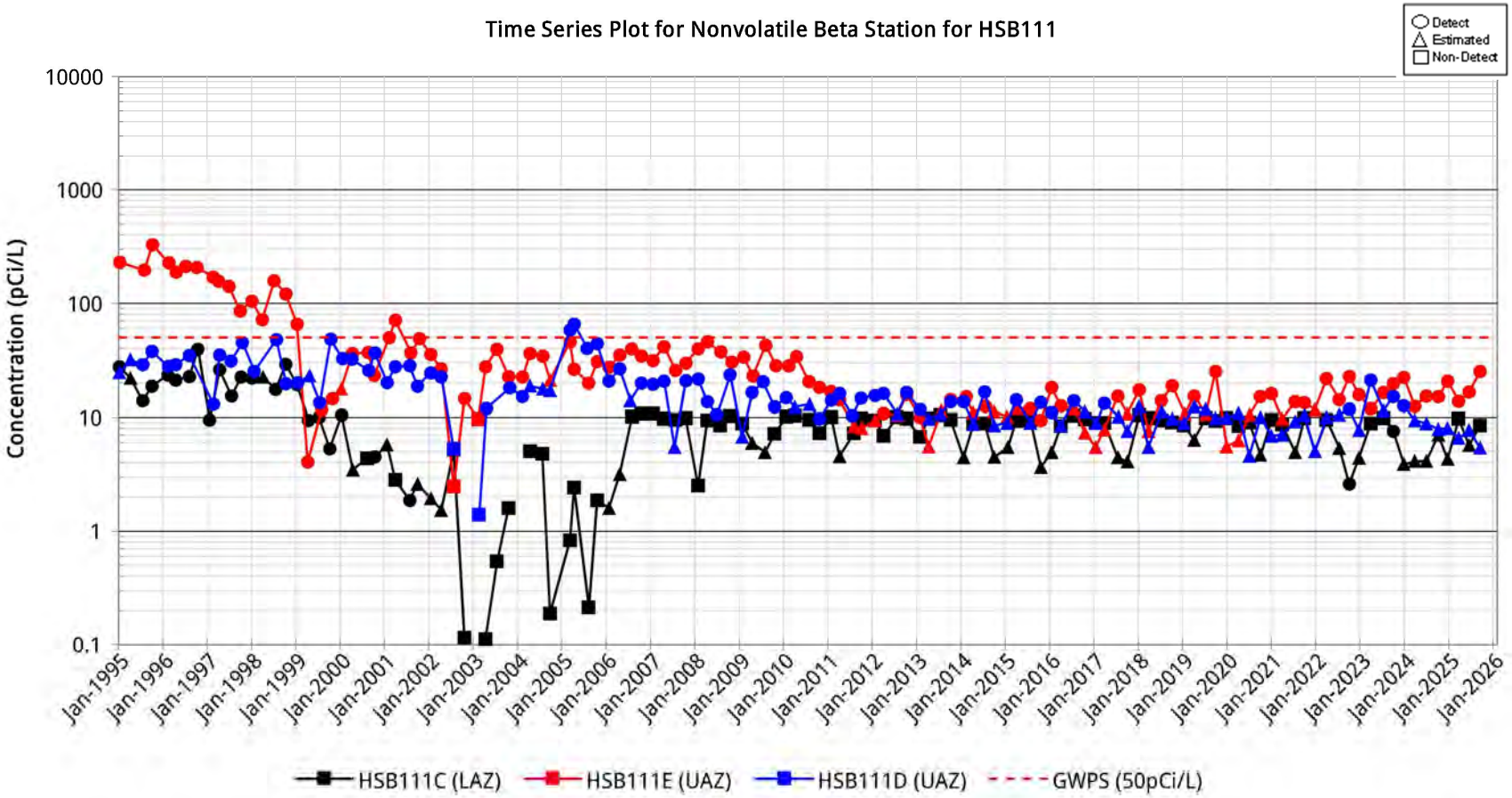
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB111
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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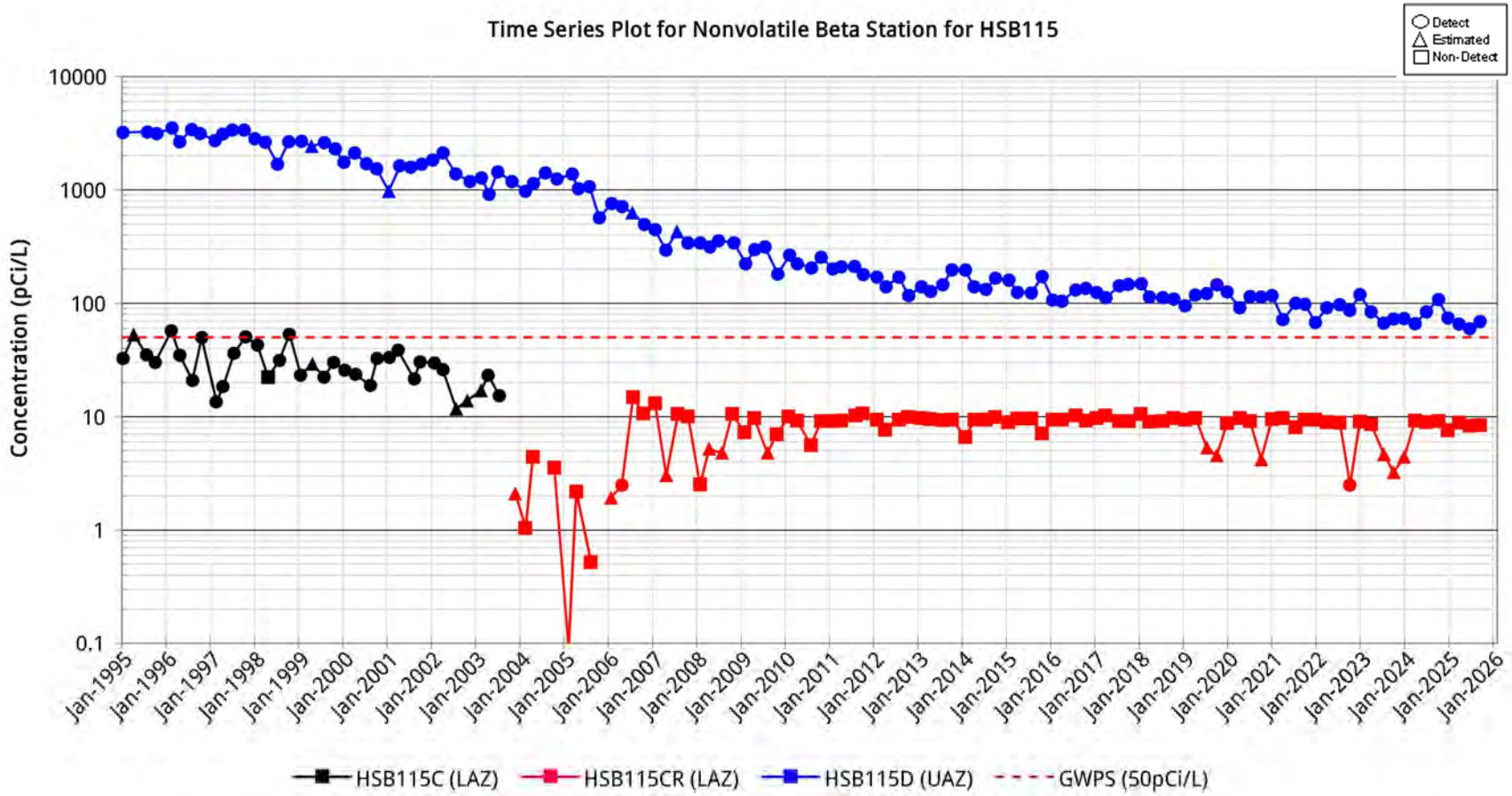
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB115
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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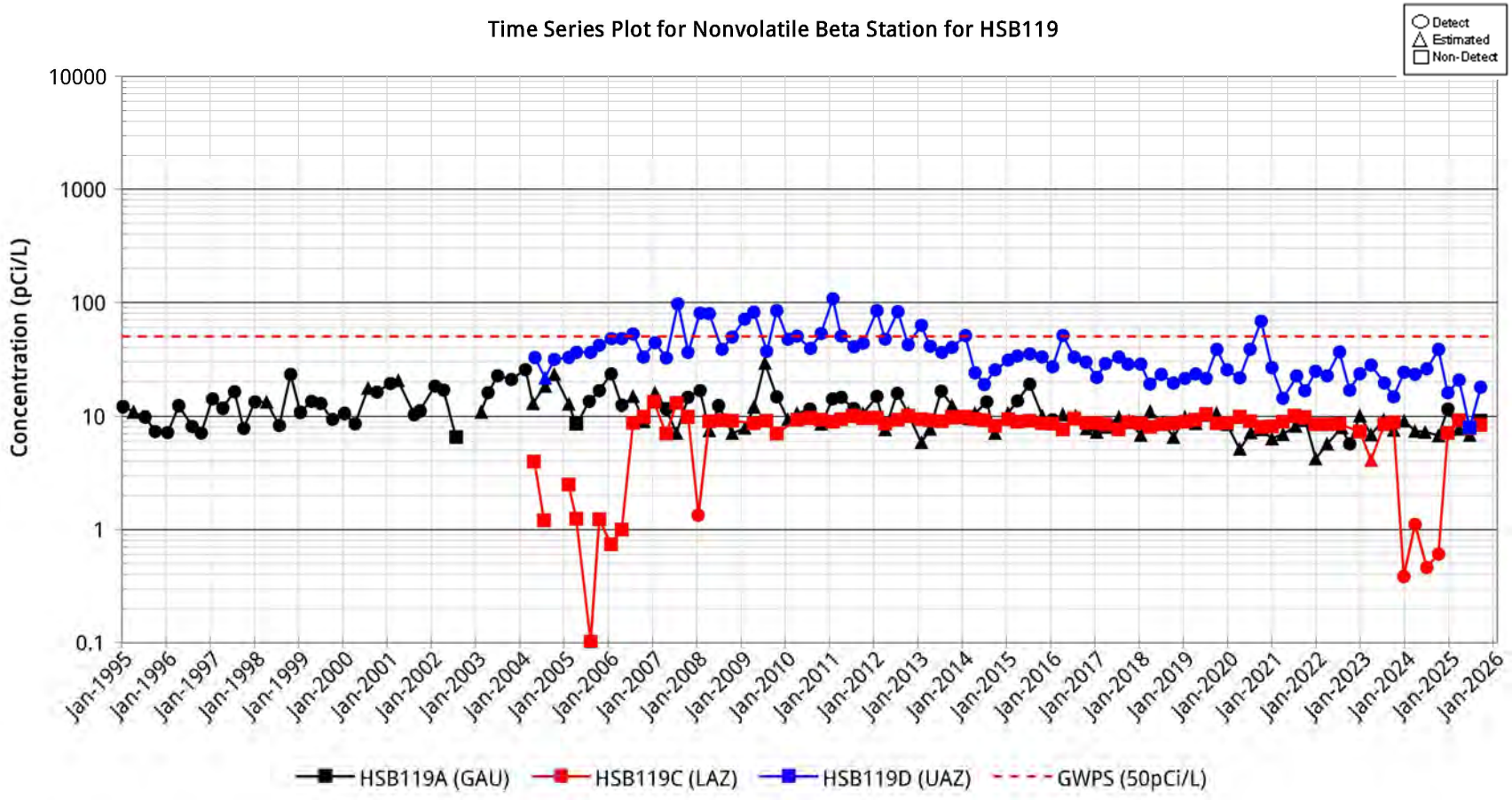
Jan-2026
HSB115C (LAZ)
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB119
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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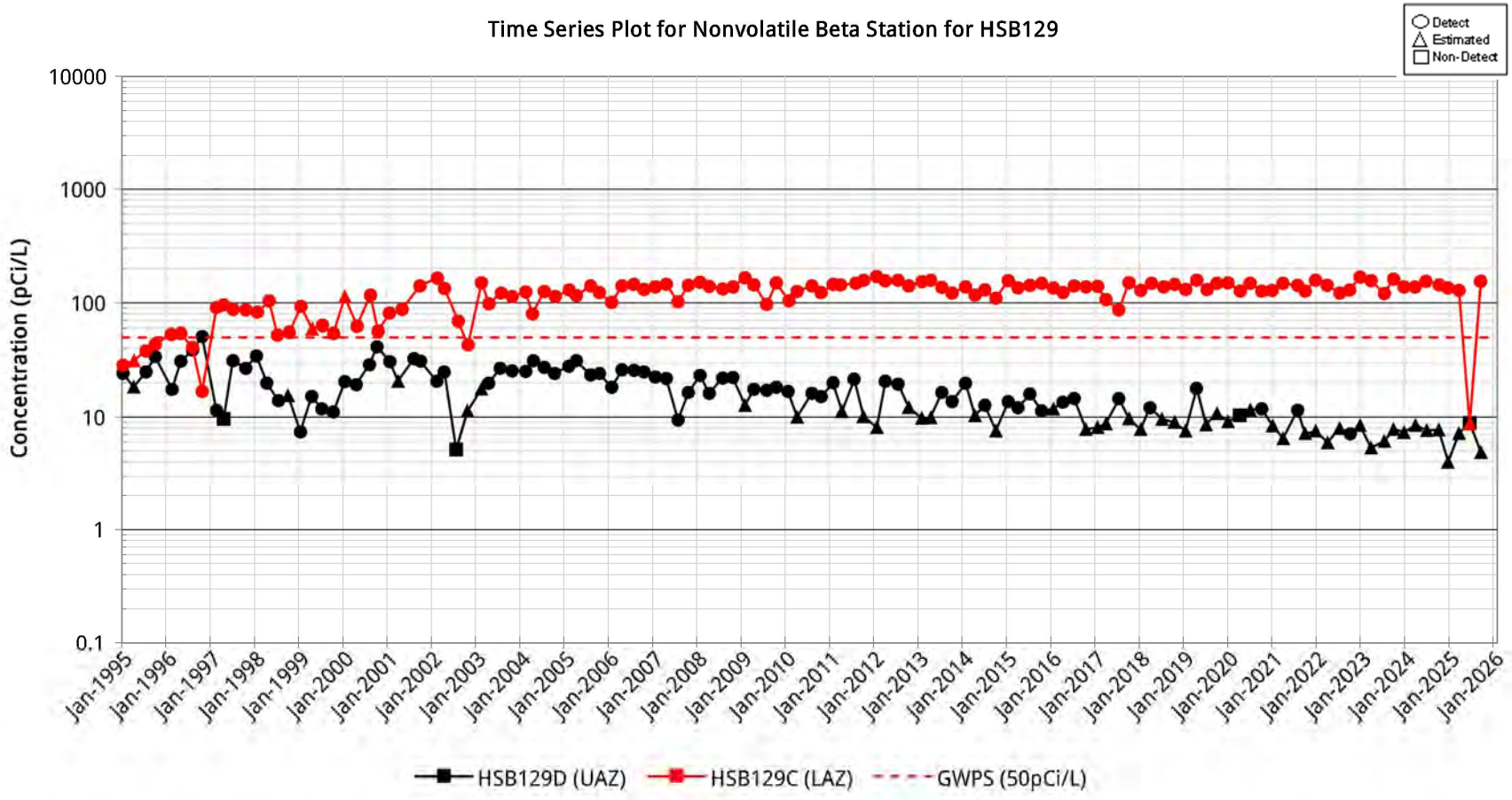
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB129
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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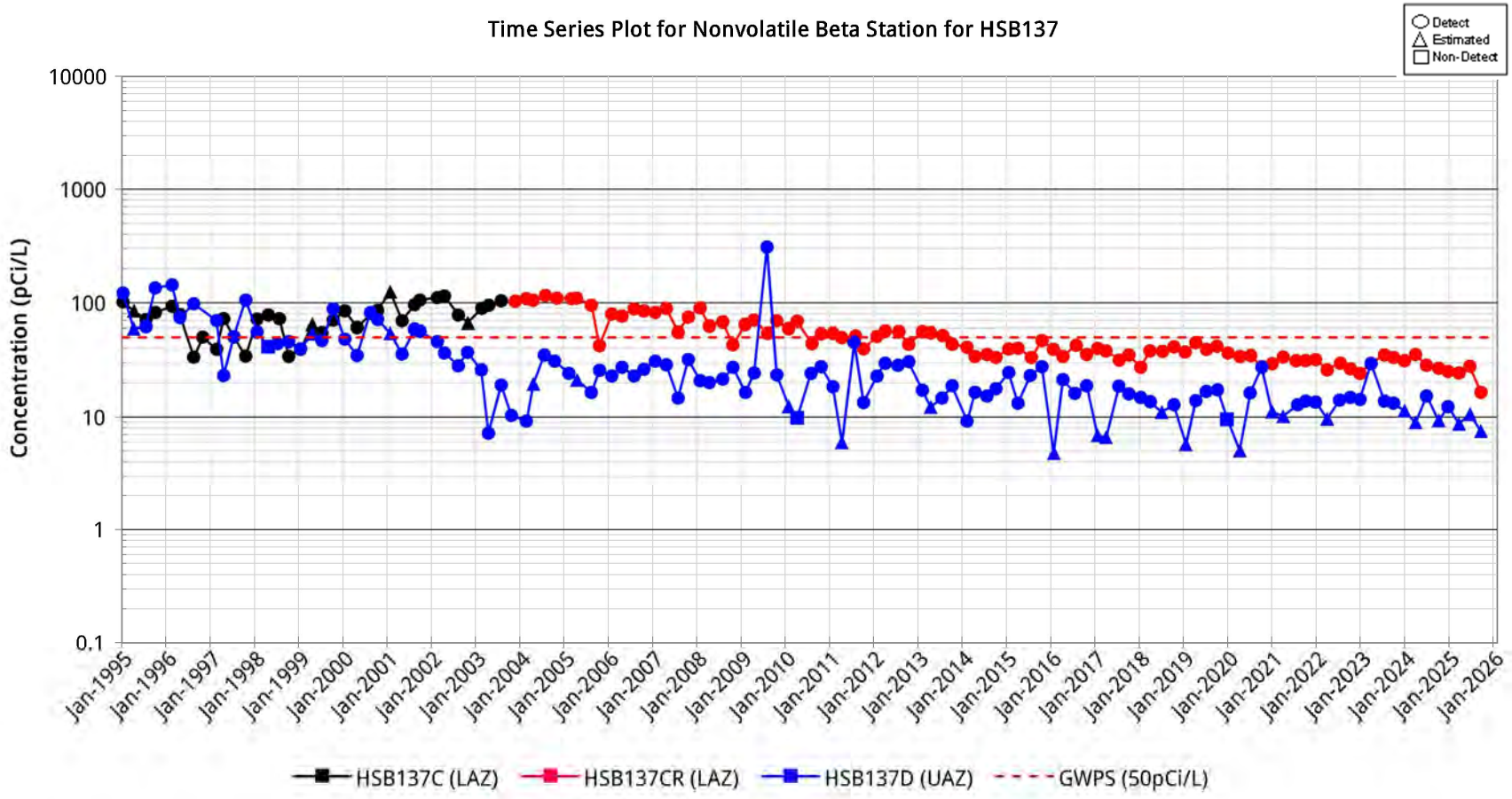
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (50pCi/L)


Time Series Plot for Nonvolatile Beta Station for HSB137
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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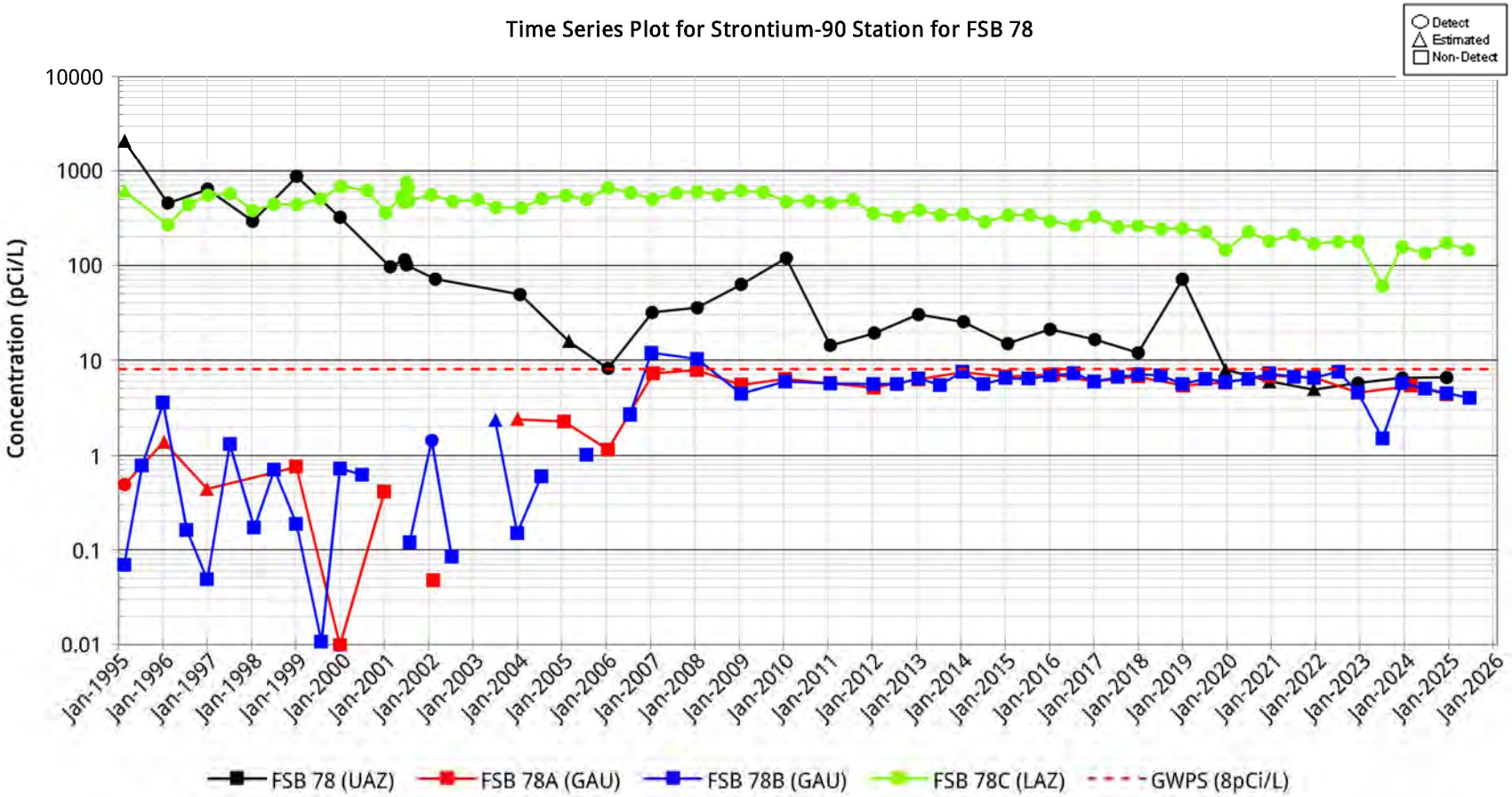
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB137C (LAZ)
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (50pCi/L)


Time Series Plot for Strontium-90 Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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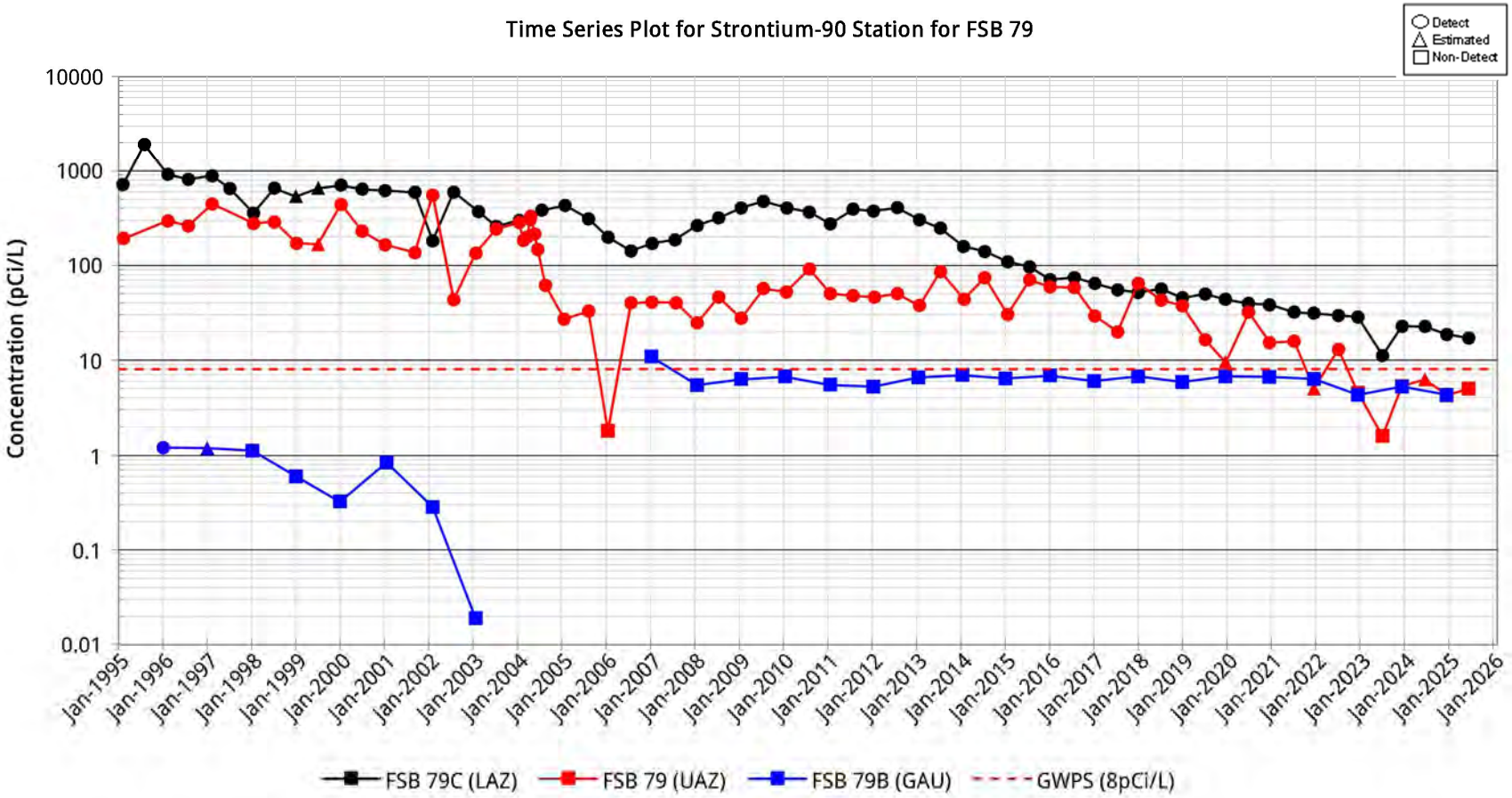
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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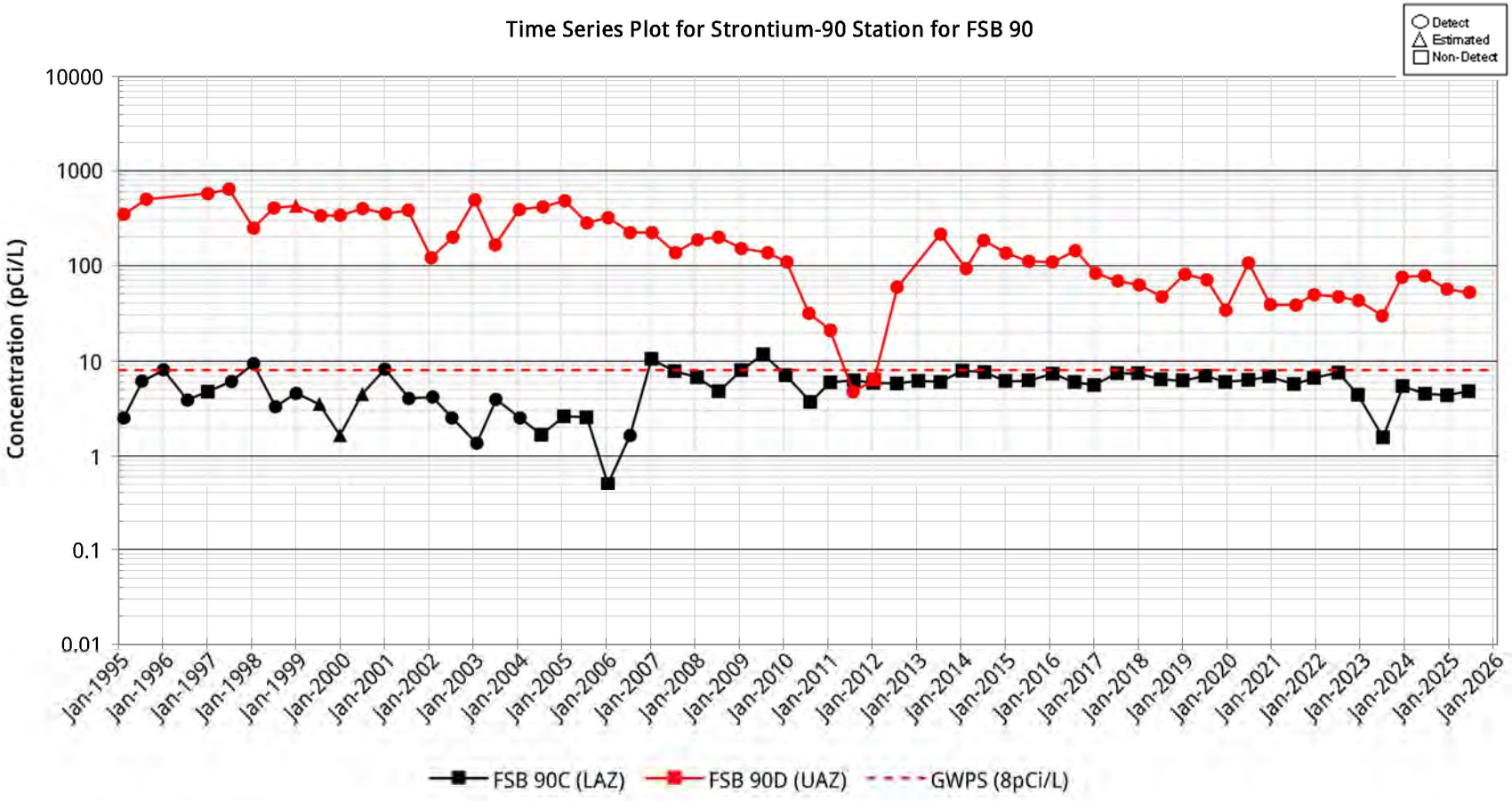
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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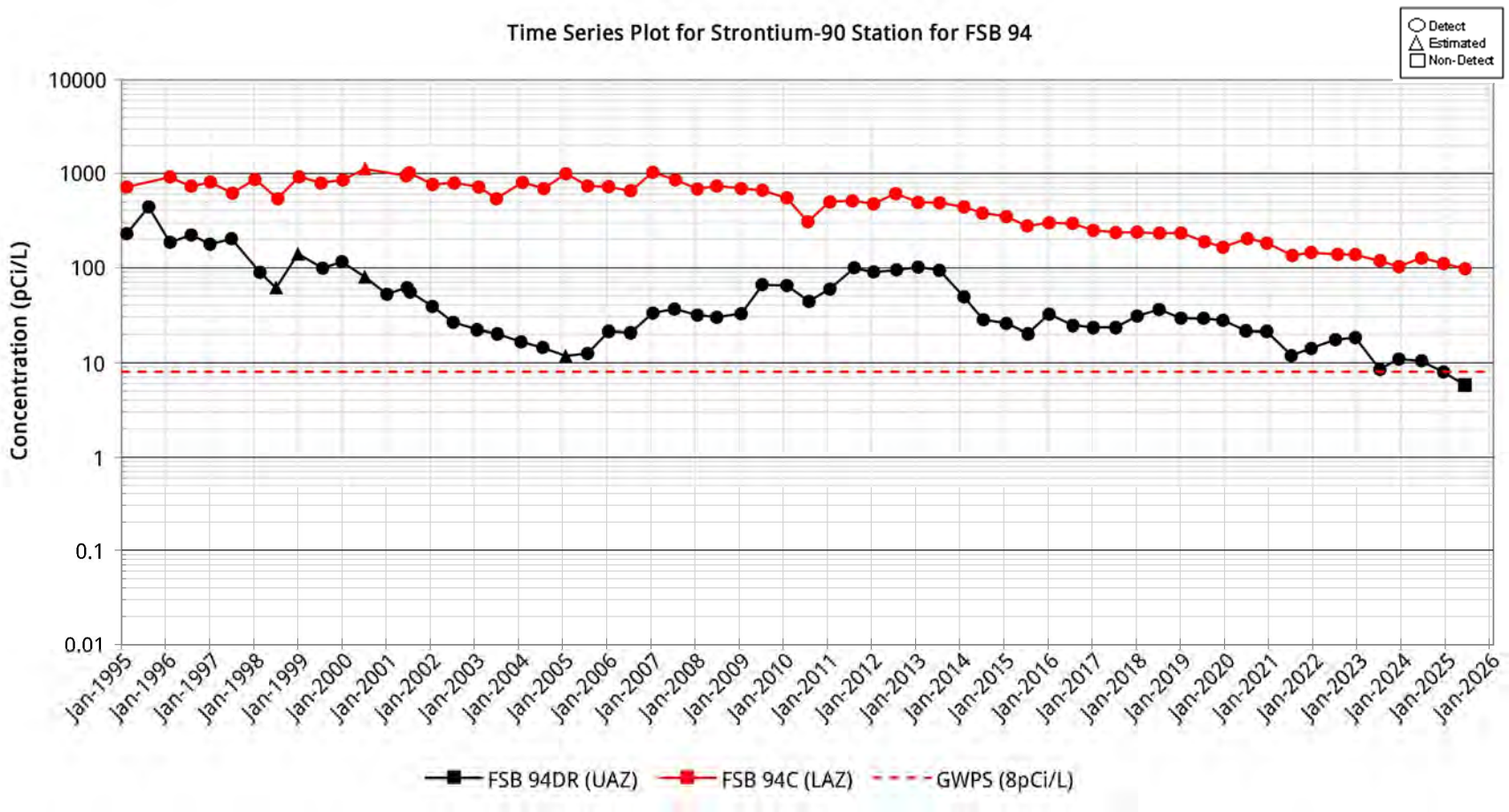
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2021
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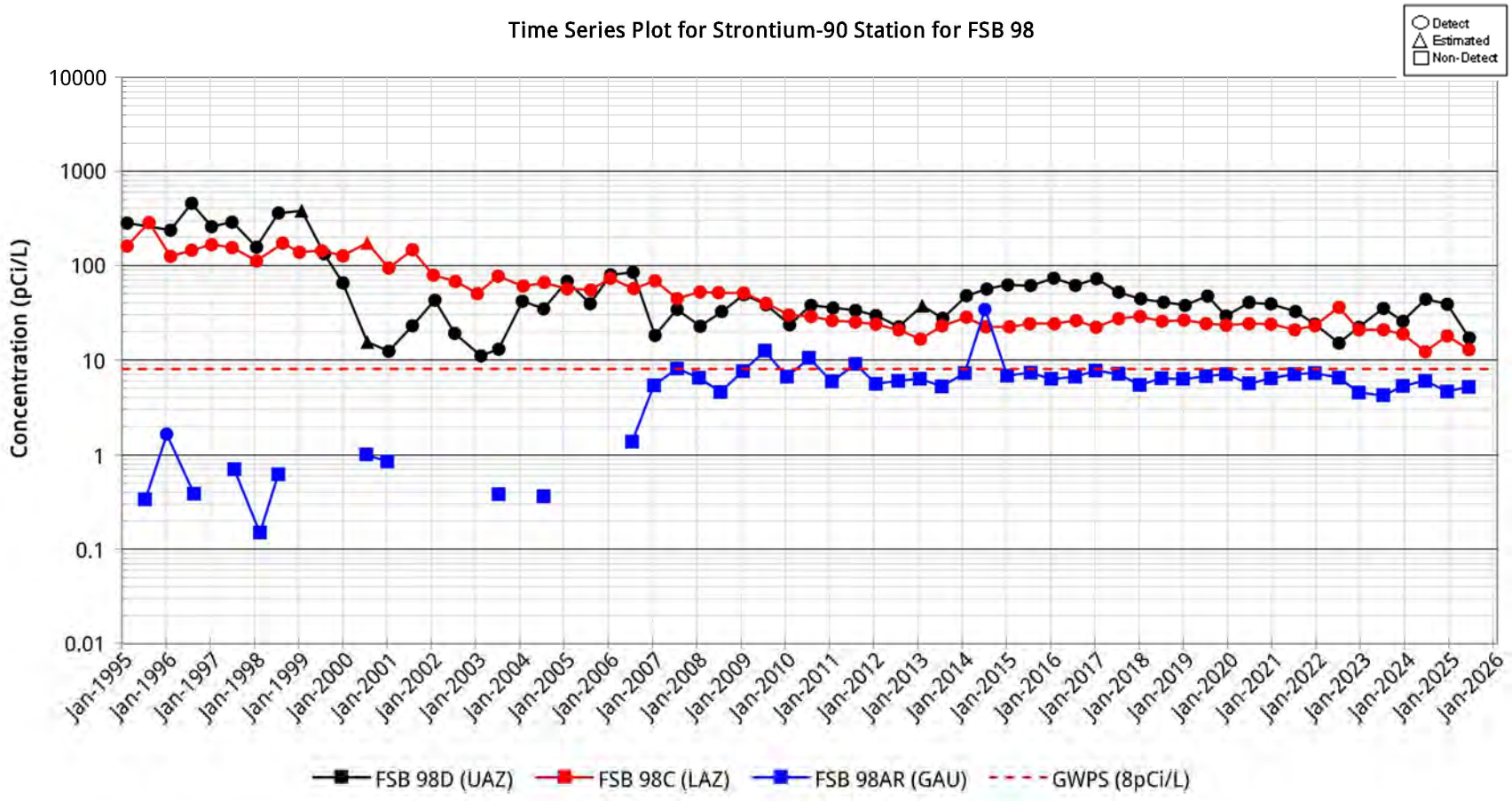
Jan-2024
Jan-2025
Jan-2026
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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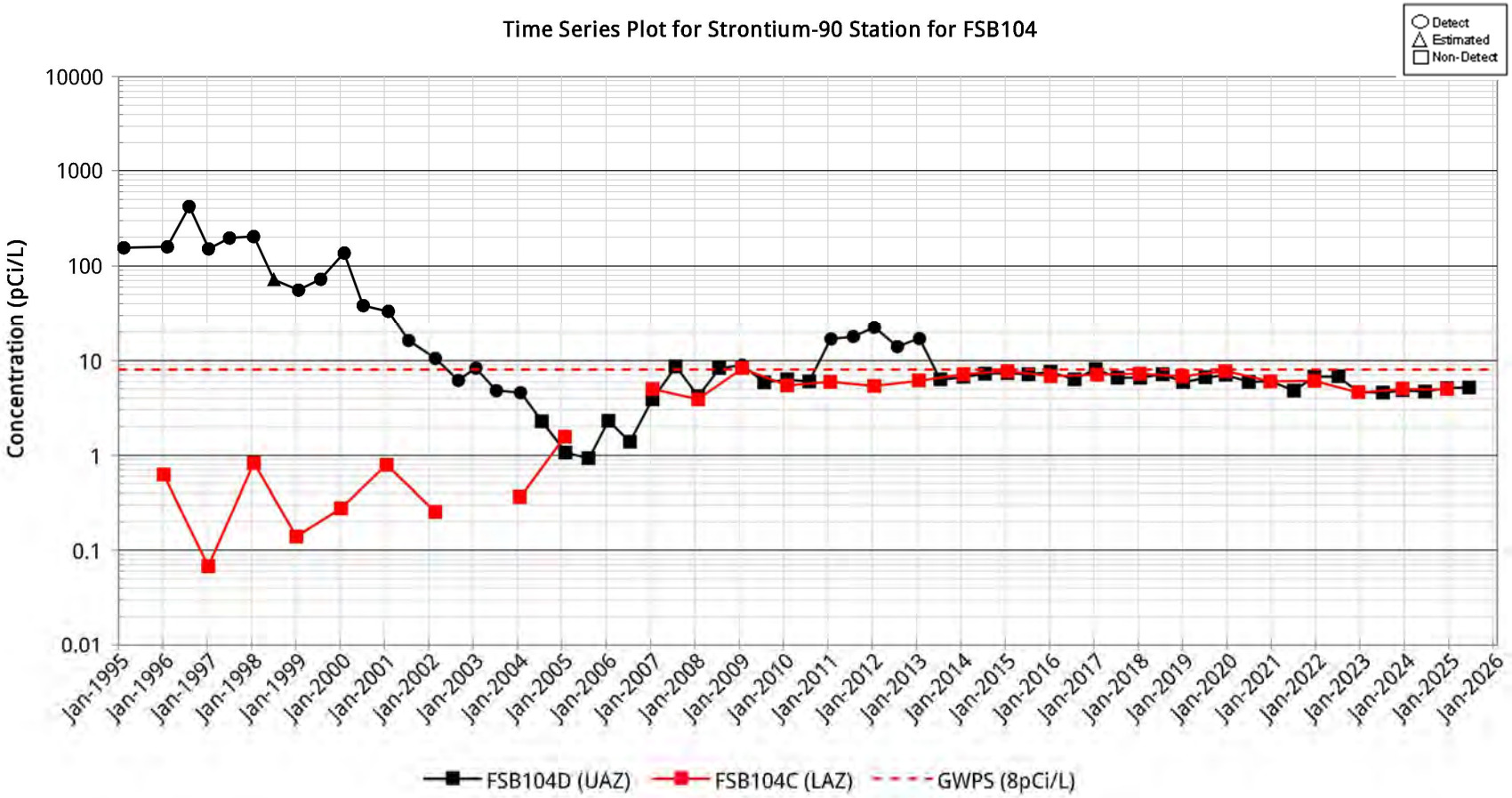
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB104
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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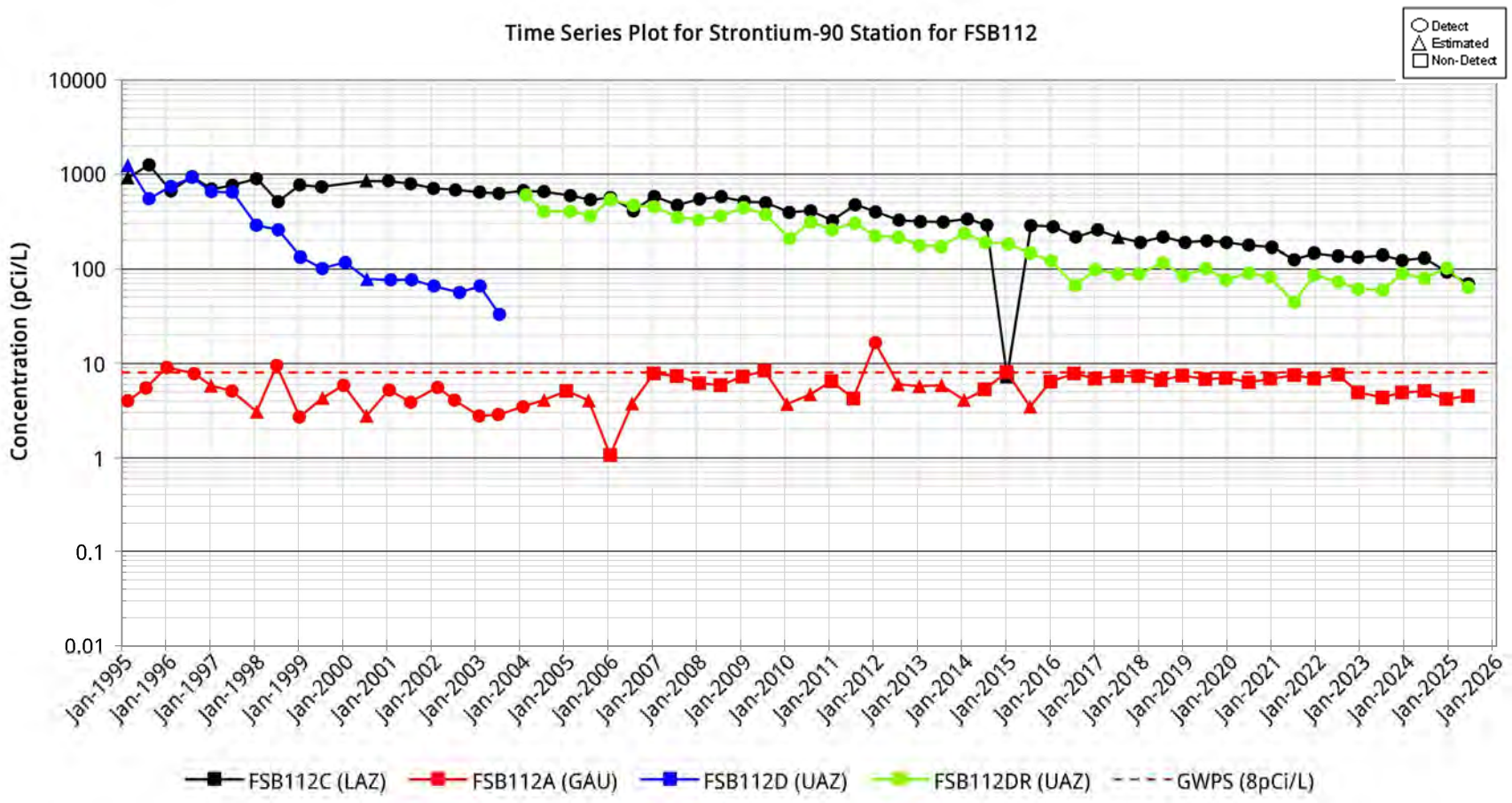
Jan-2024
Jan-2025
Jan-2026
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB112
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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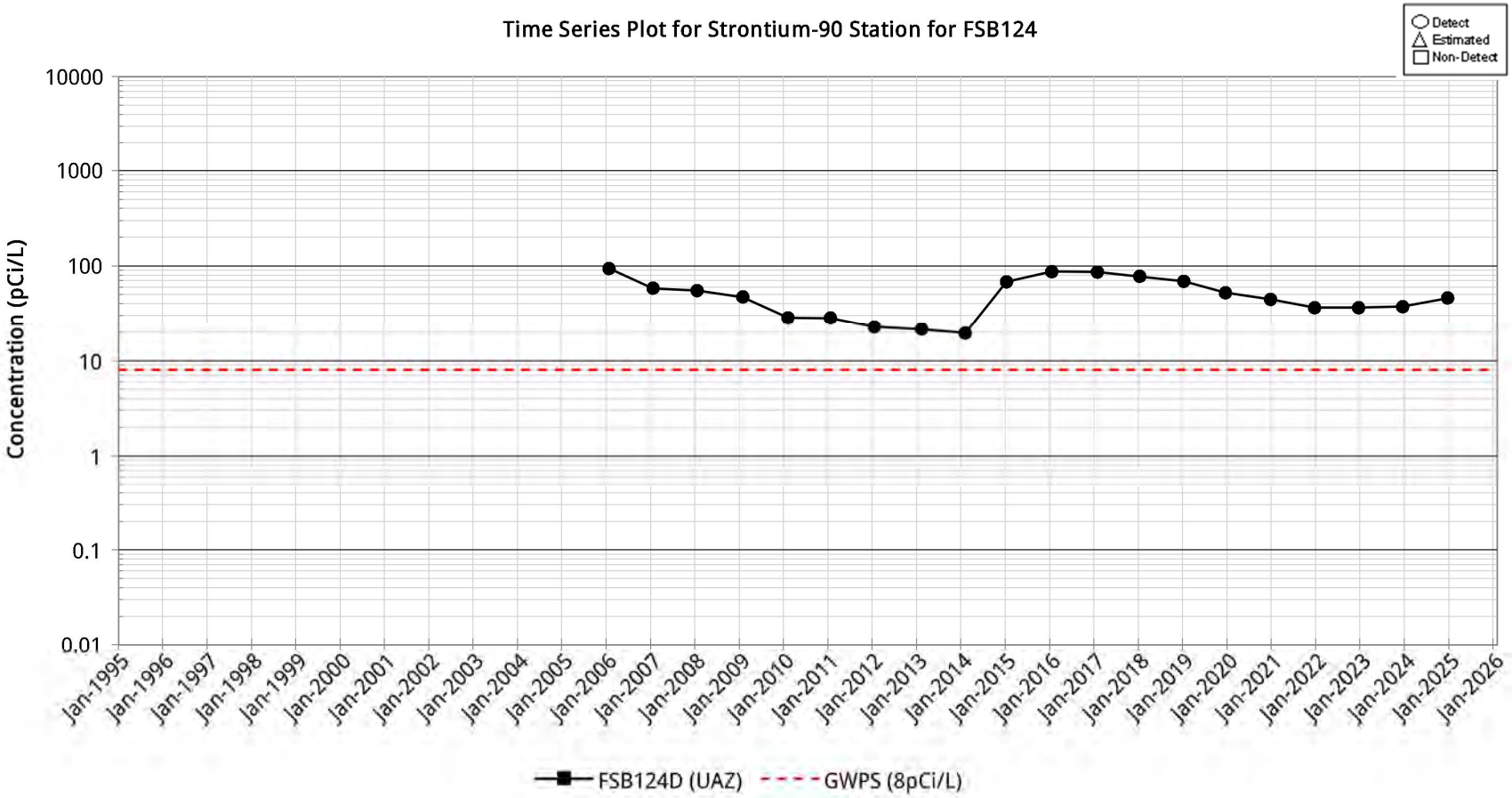
Jan-2025
Jan-2026
FSB112C (LAZ)
FSB112A (GAU)
FSB112D (UAZ)
FSB112DR (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB124
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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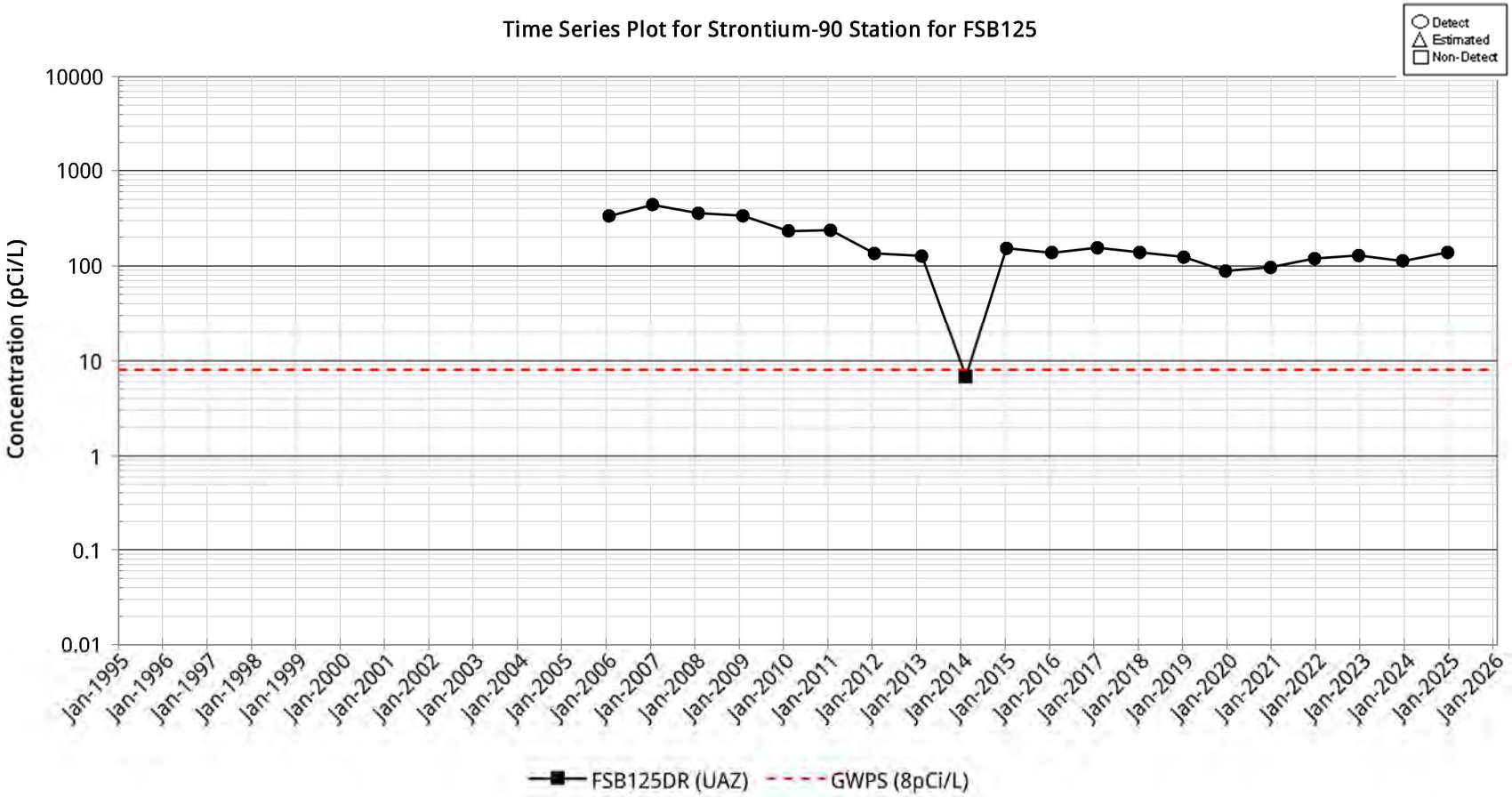
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB124D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB125
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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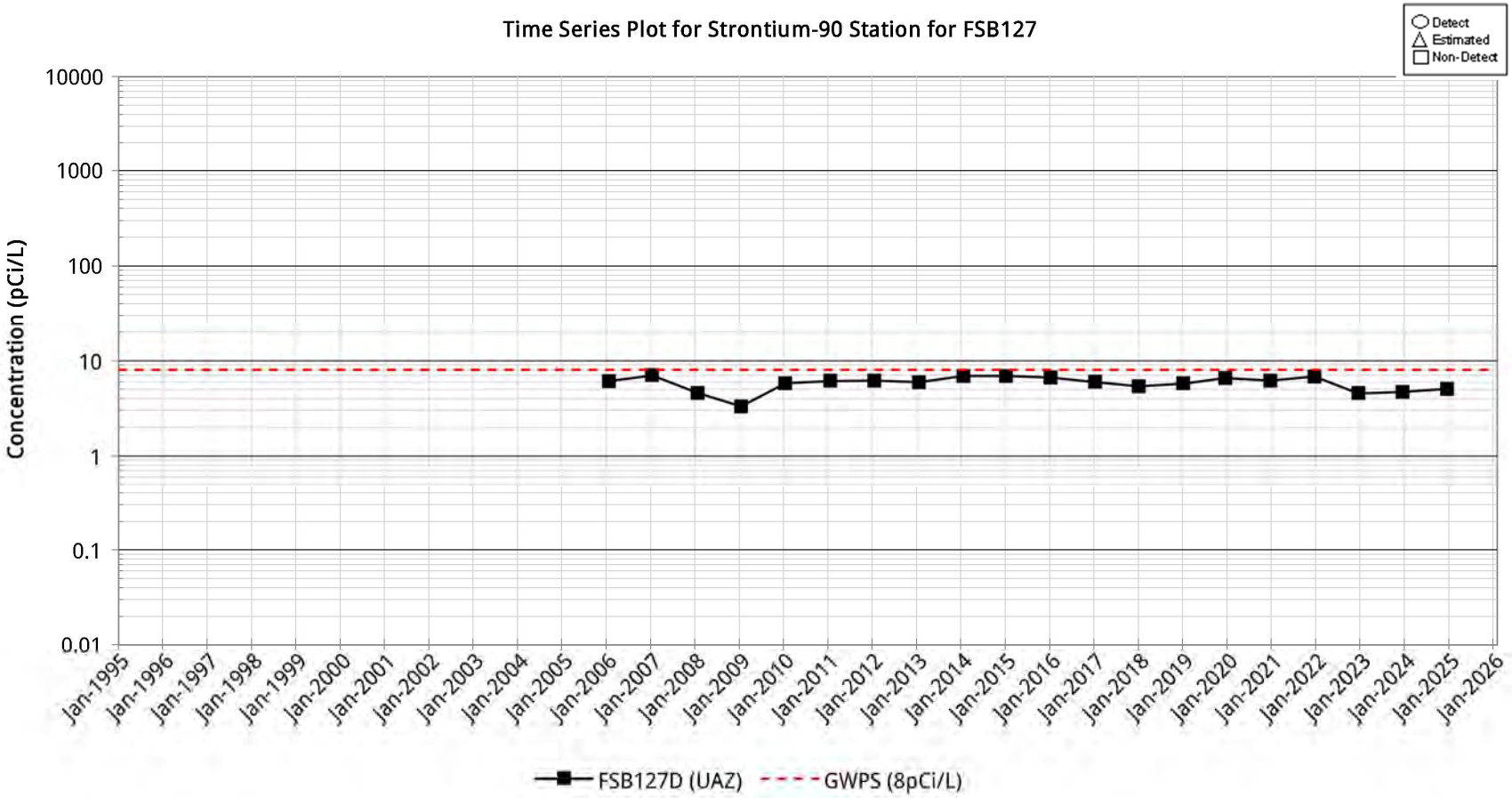
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB125DR (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB127
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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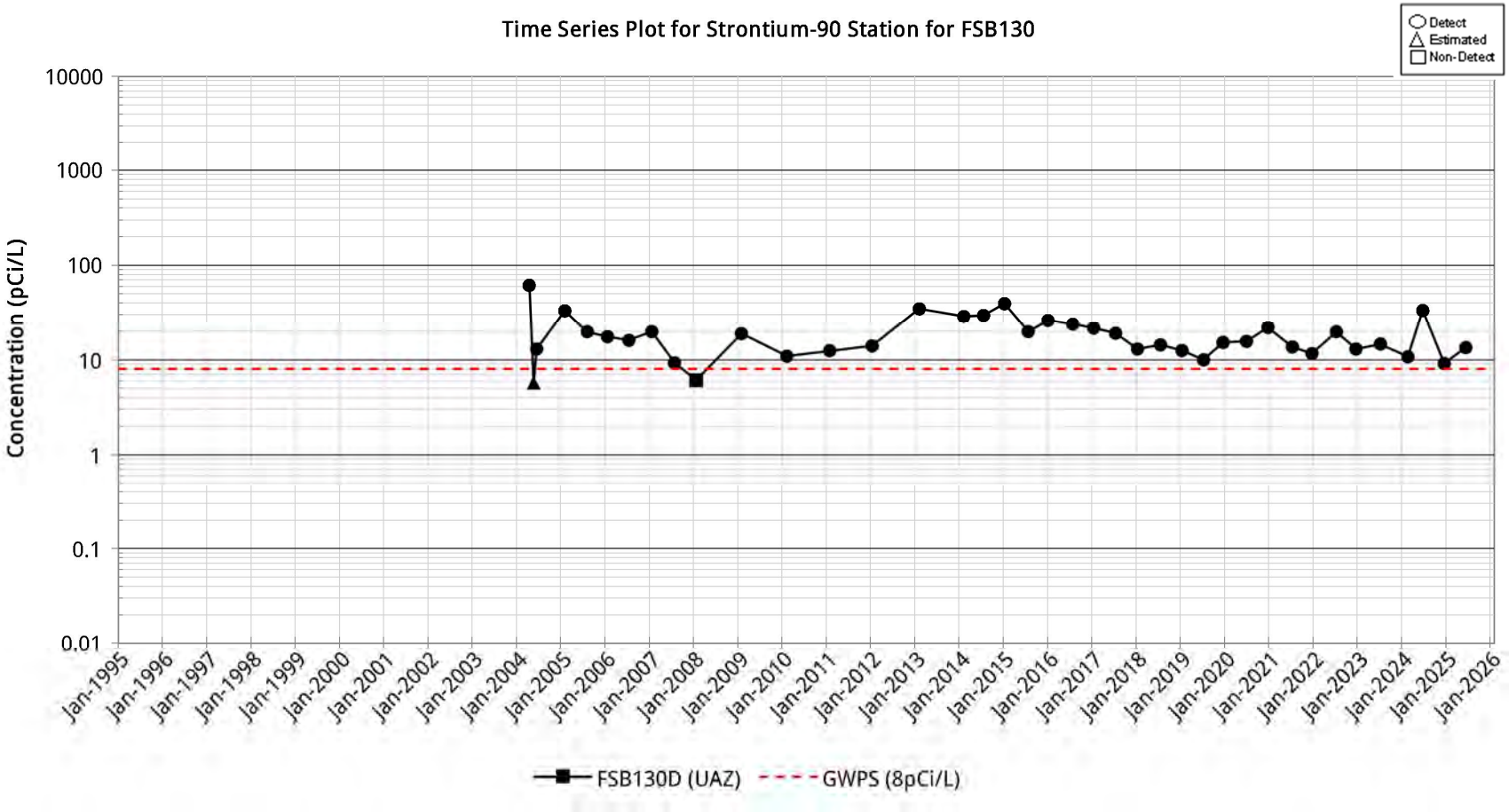
Jan-2026
FSB127D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB130
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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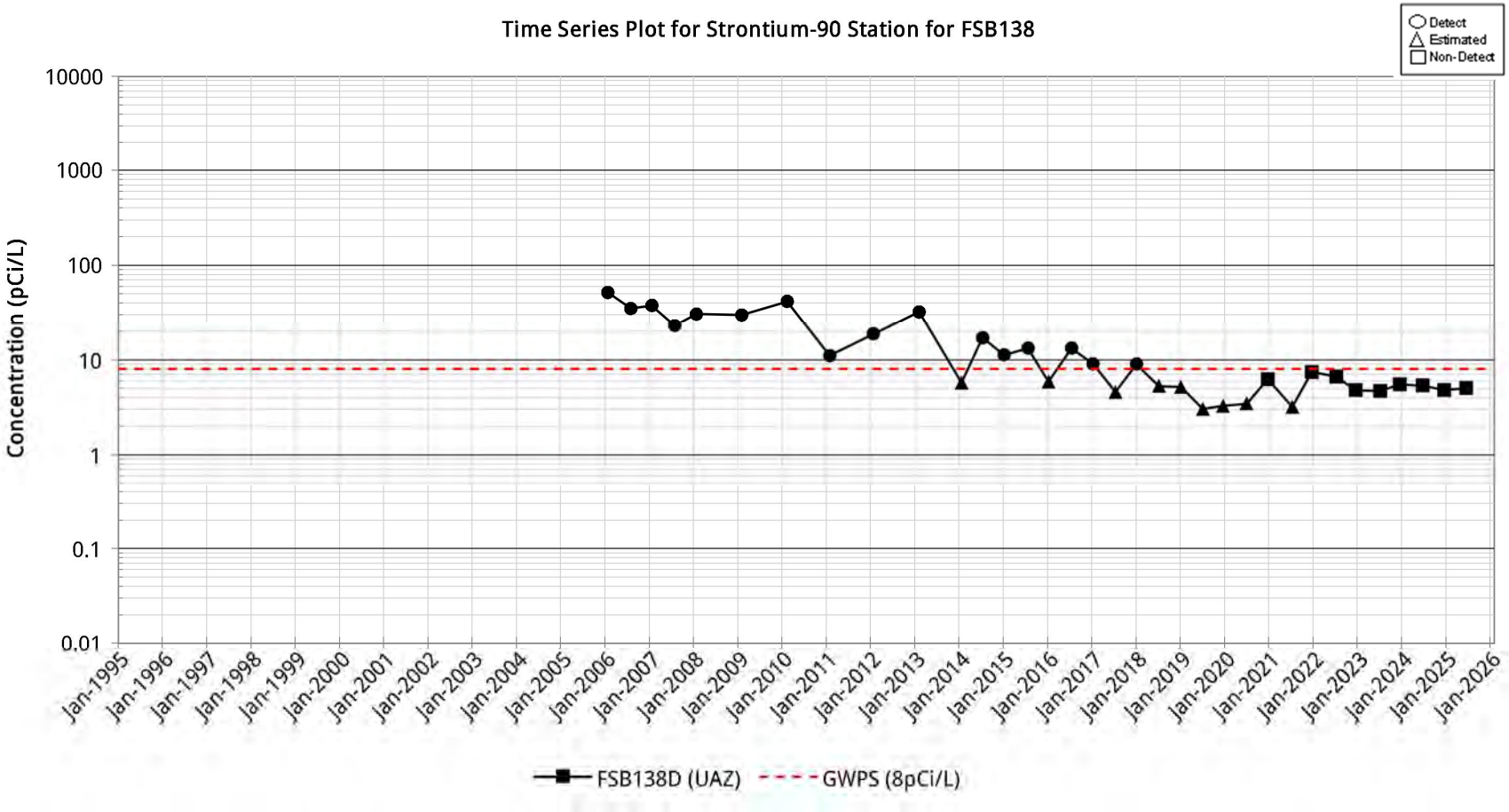
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB130D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for FSB138
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
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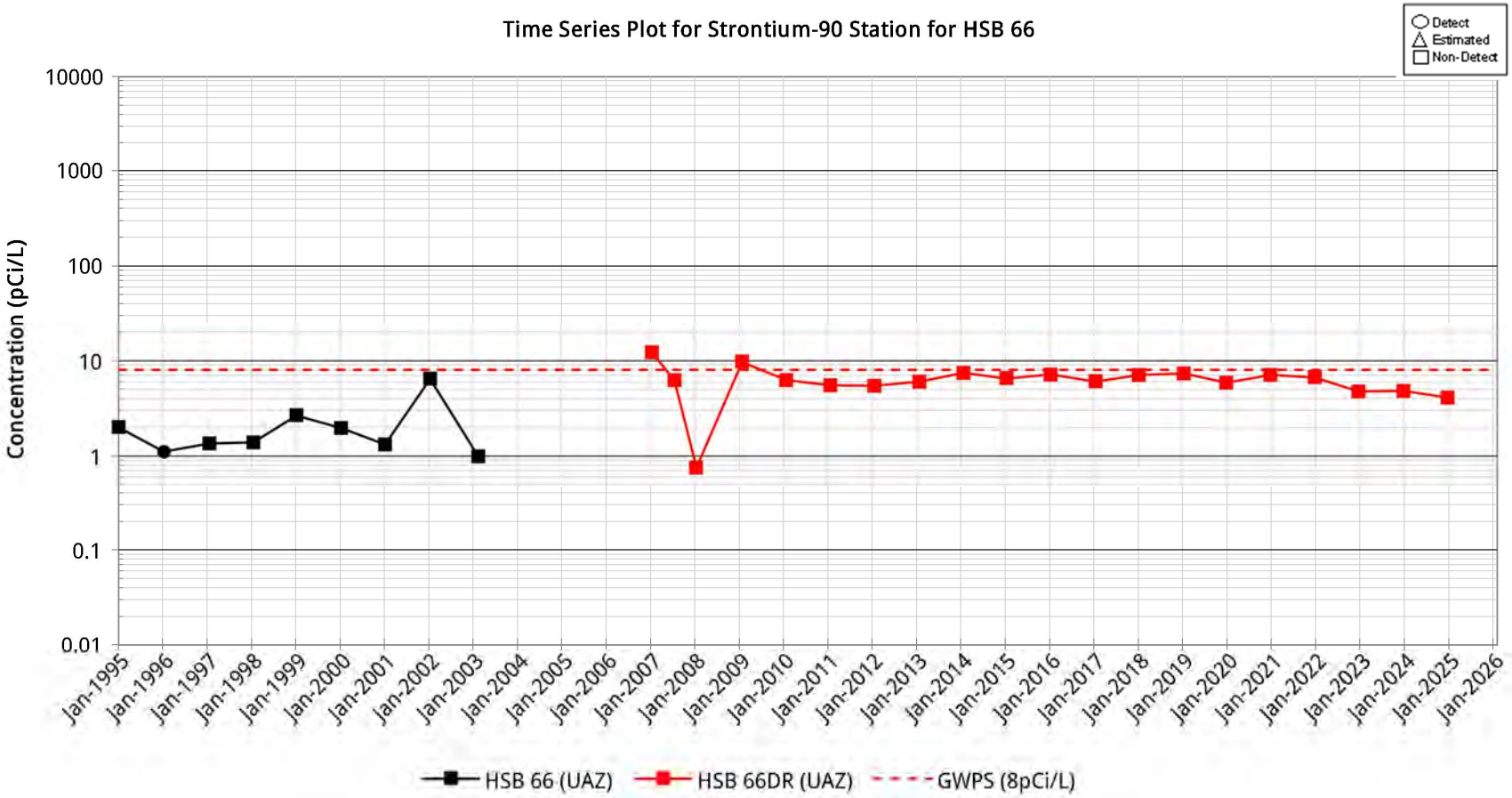
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB138D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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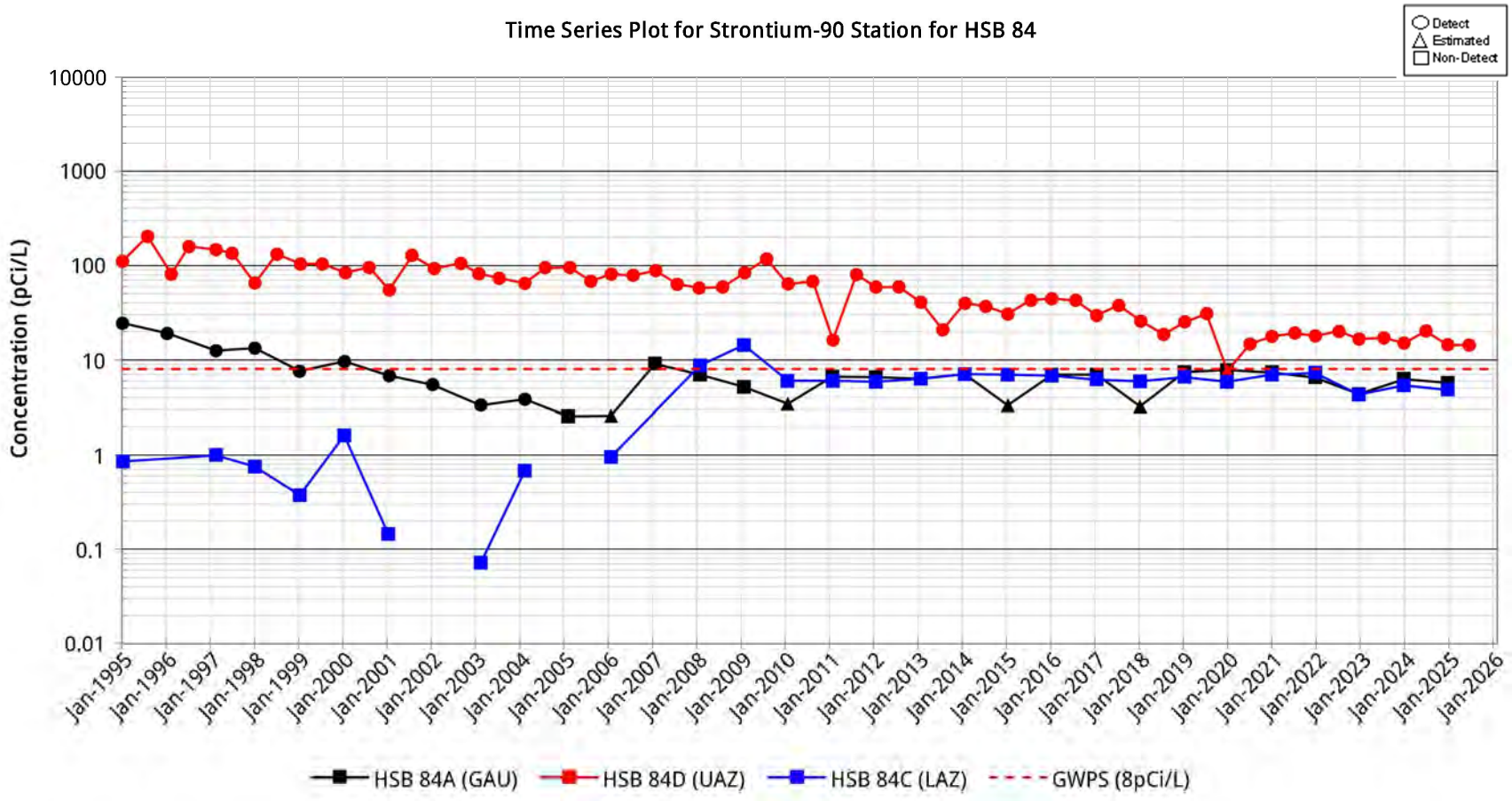
Jan-2025
Jan-2026
HSB 66 (UAZ)
HSB 66DR (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
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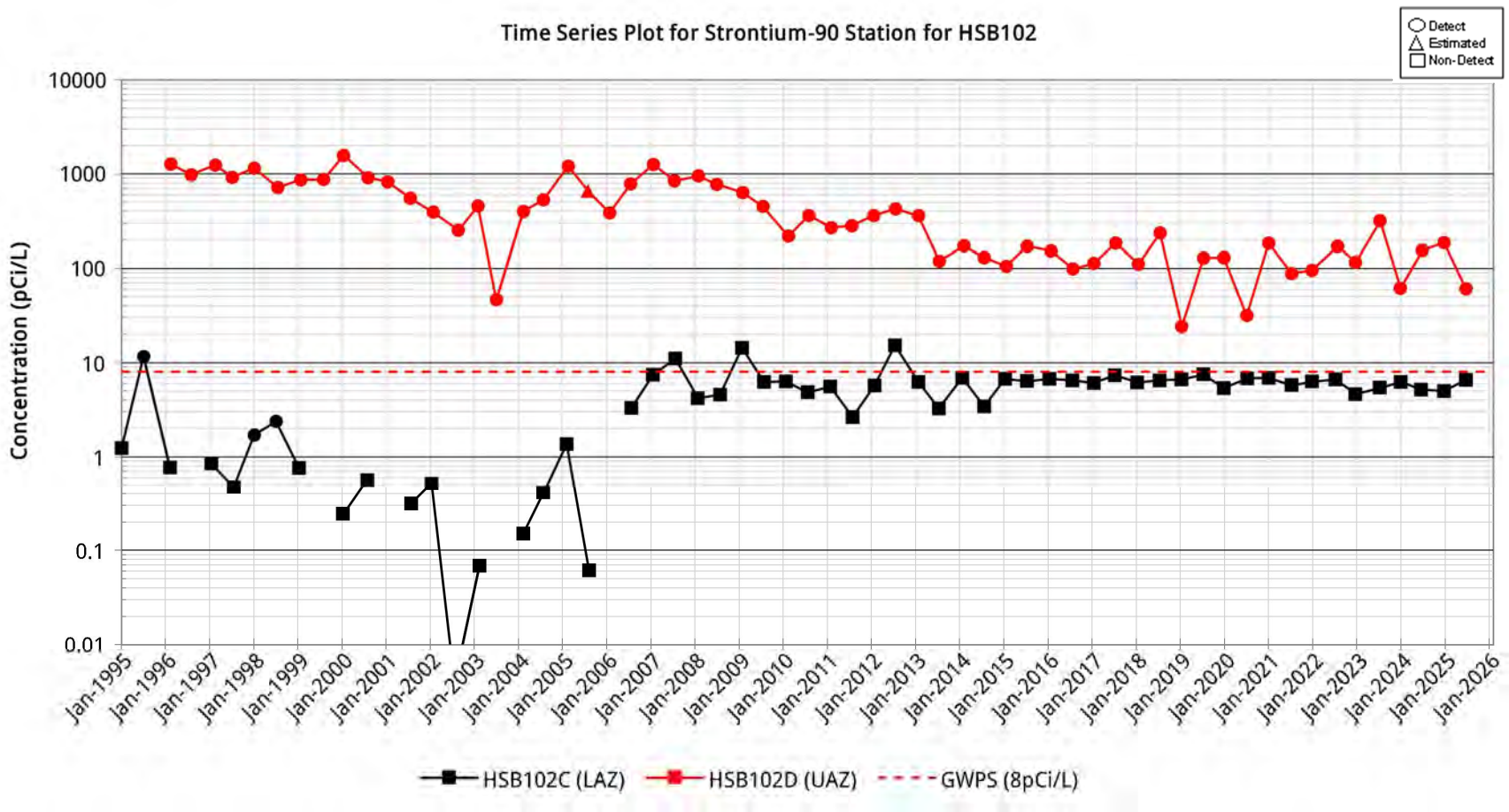
Jan-2026
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB102
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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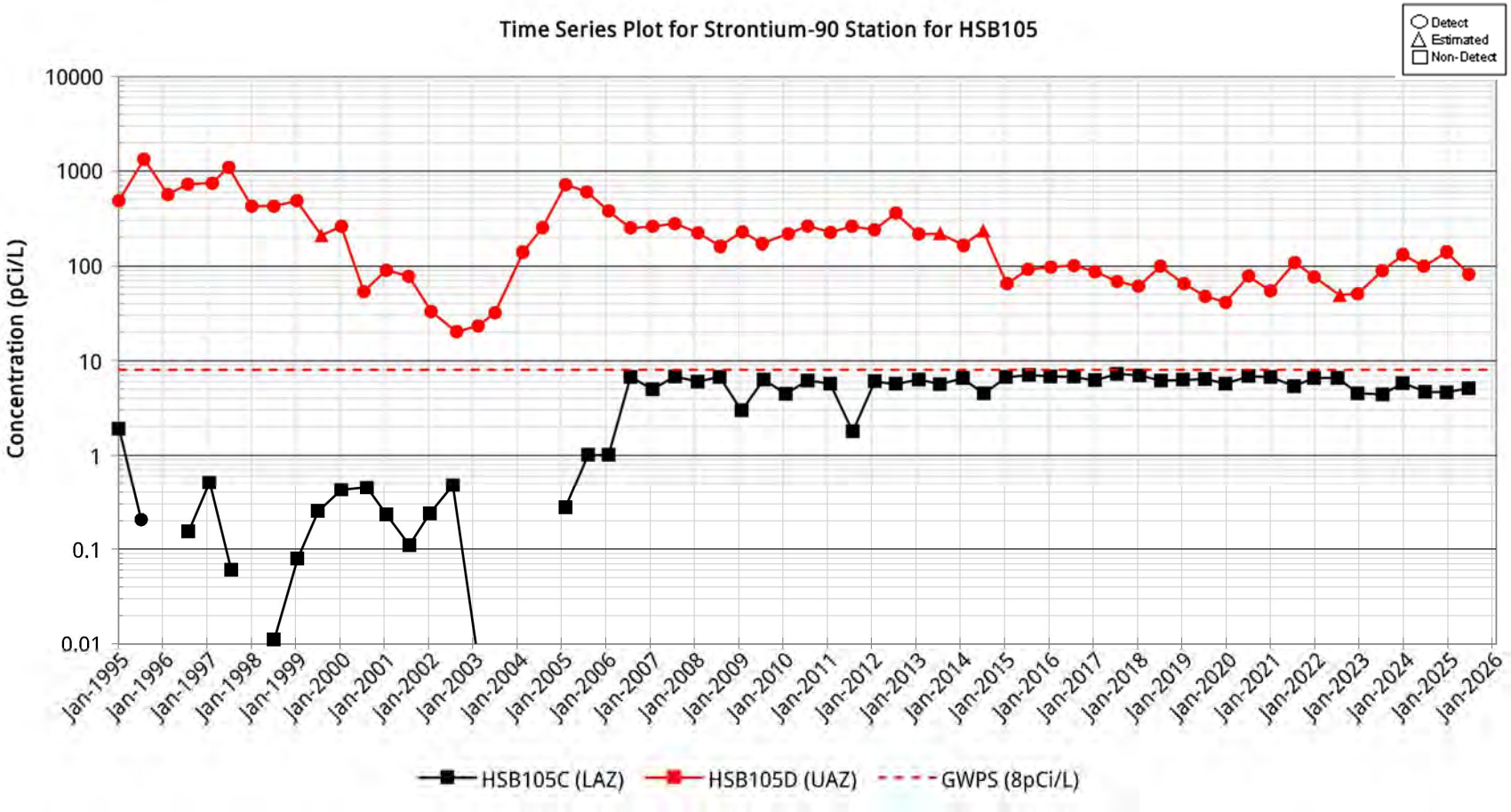
Jan-2024
Jan-2025
Jan-2026
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB105
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
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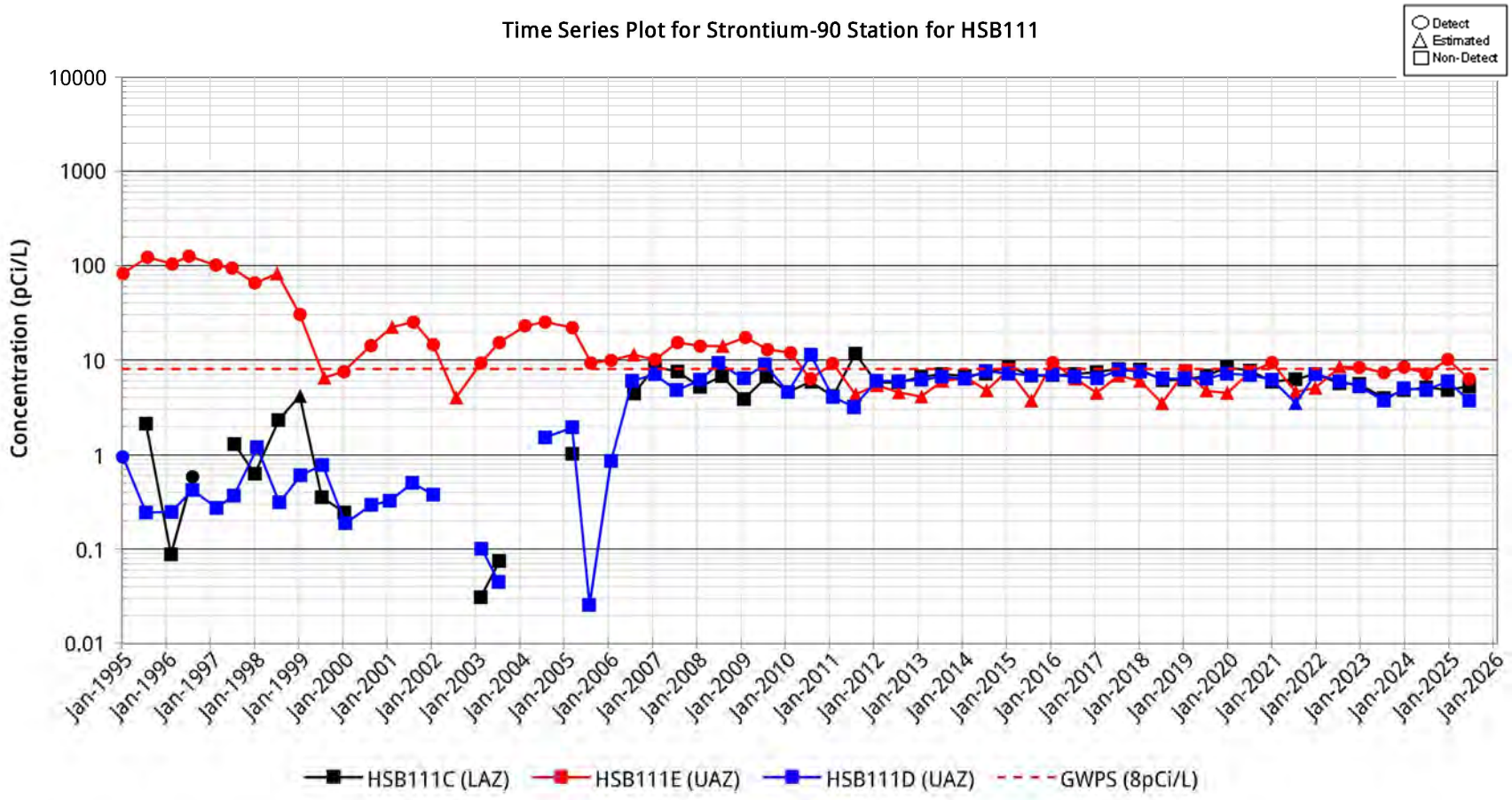
Jan-2024
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB111
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
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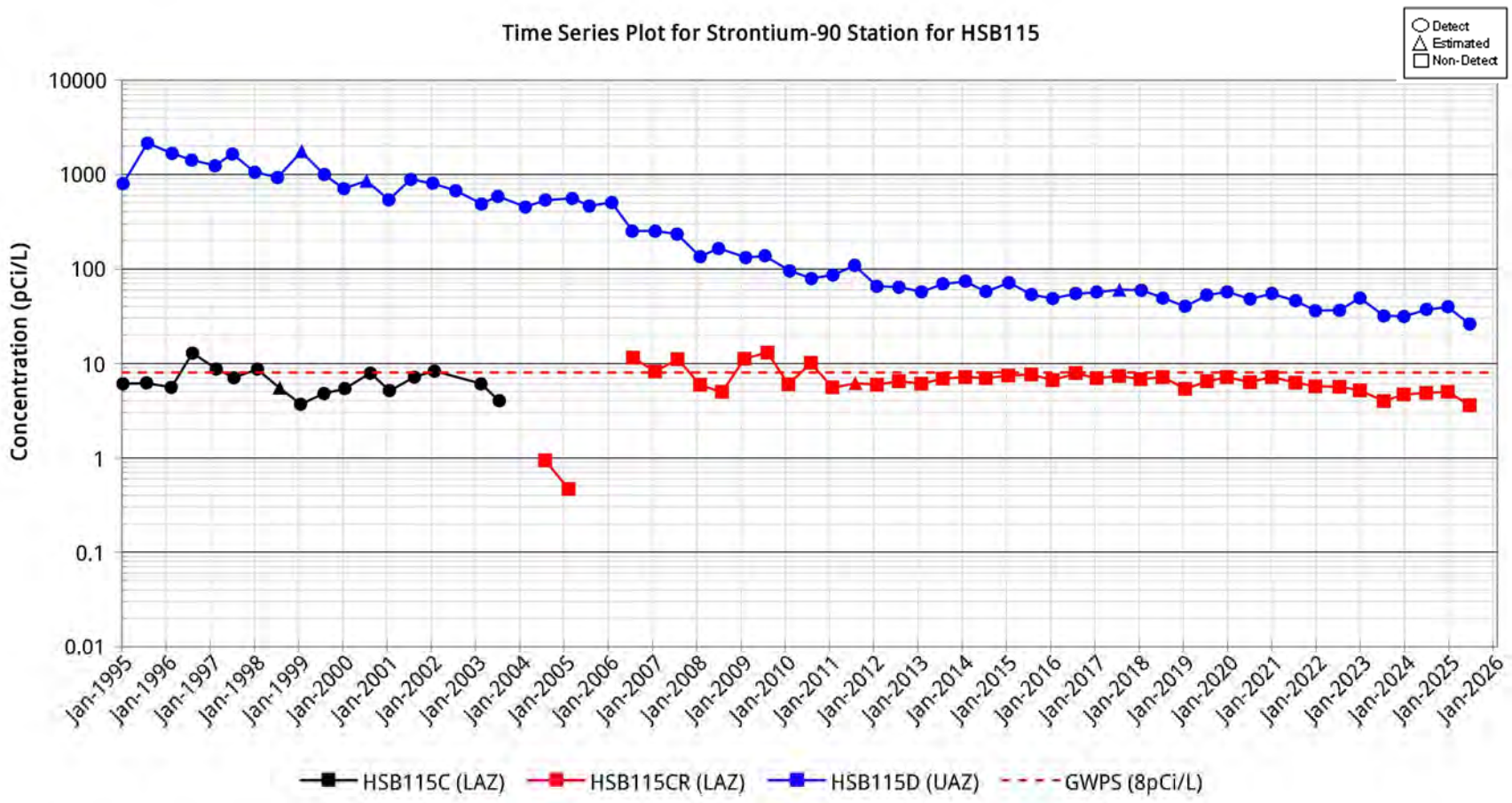
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB115
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
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Jan-2023
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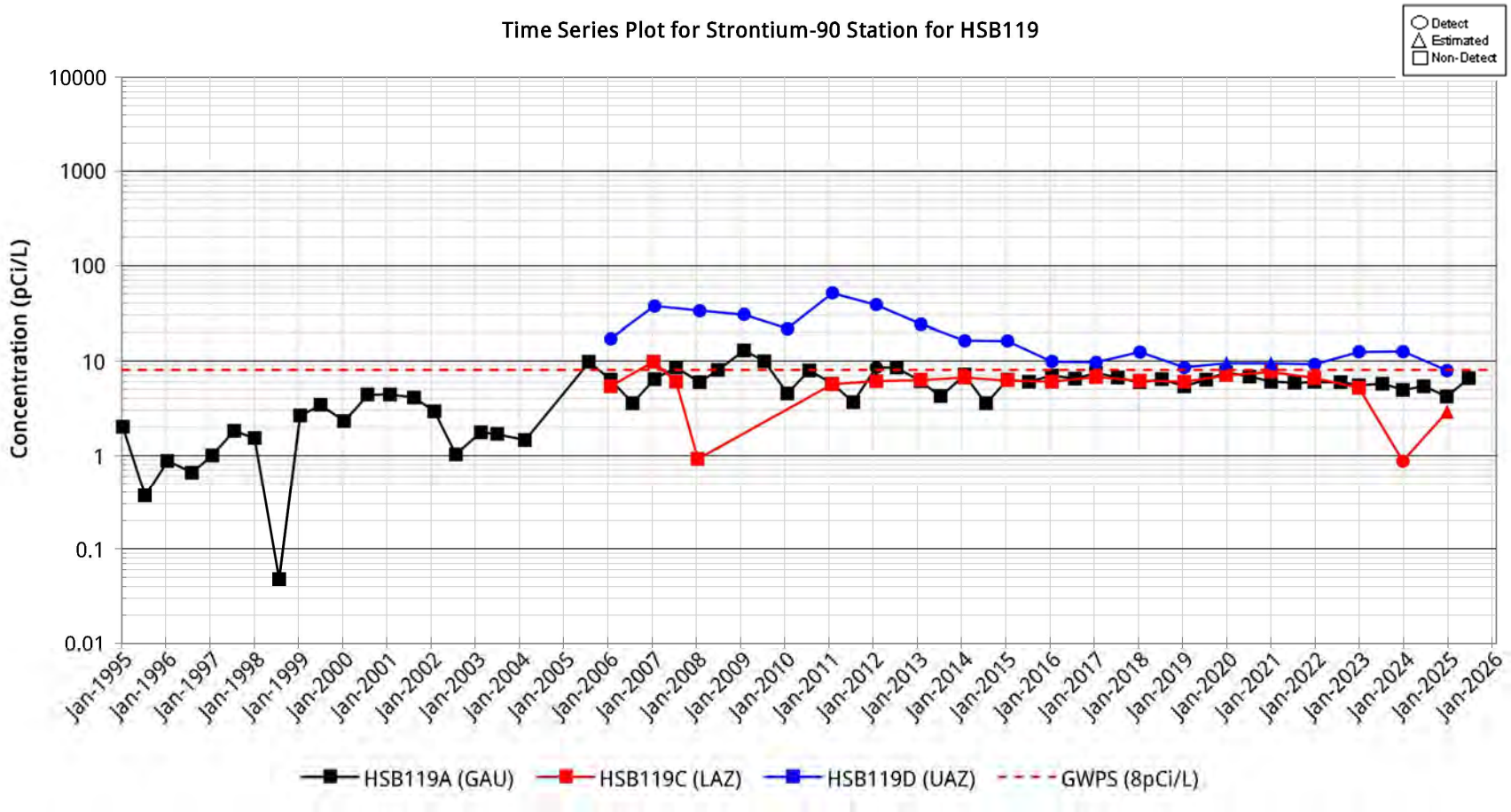
Jan-2025
Jan-2026
HSB115C (LAZ)
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB119
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
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Jan-2023
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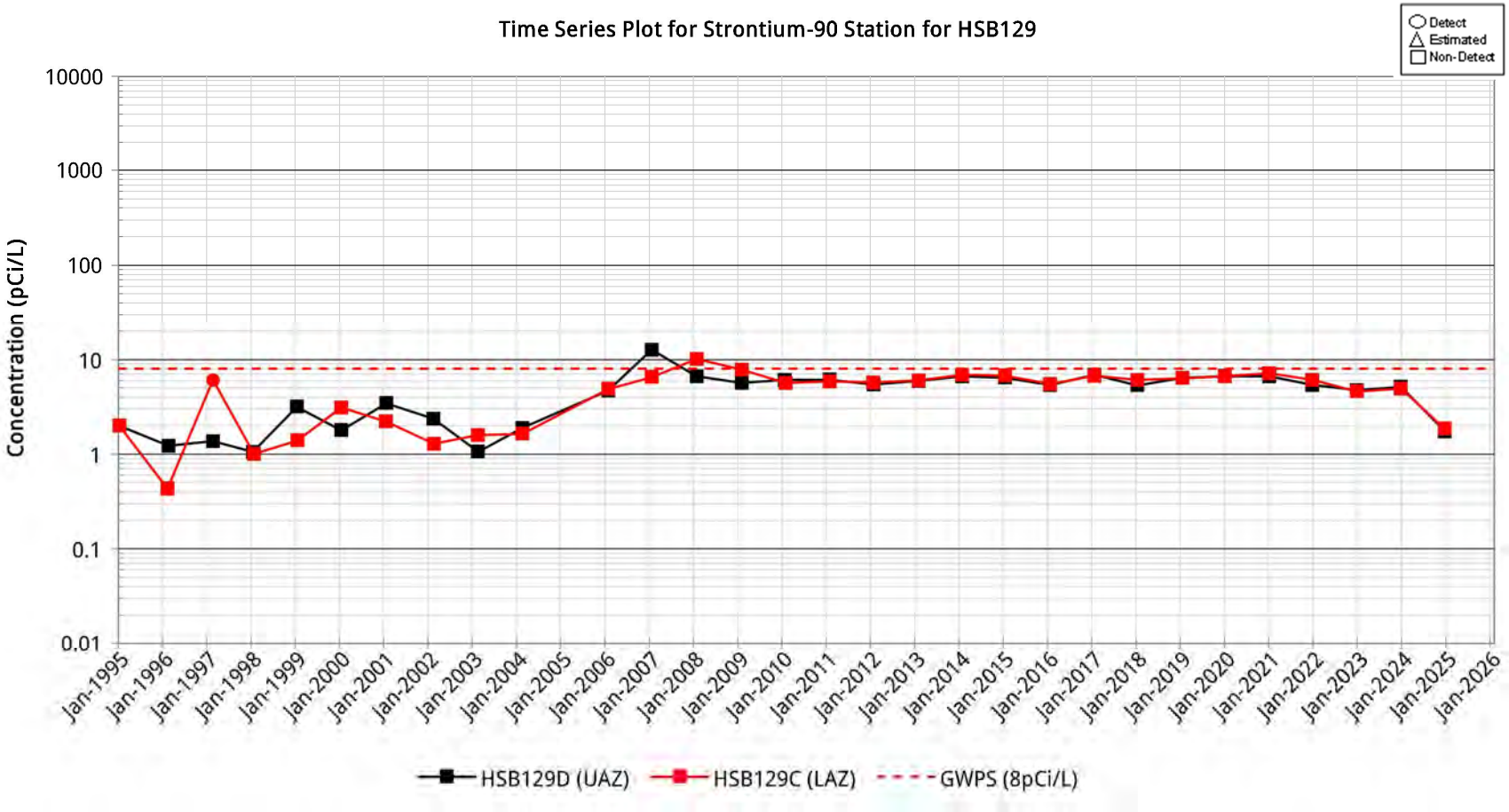
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB129
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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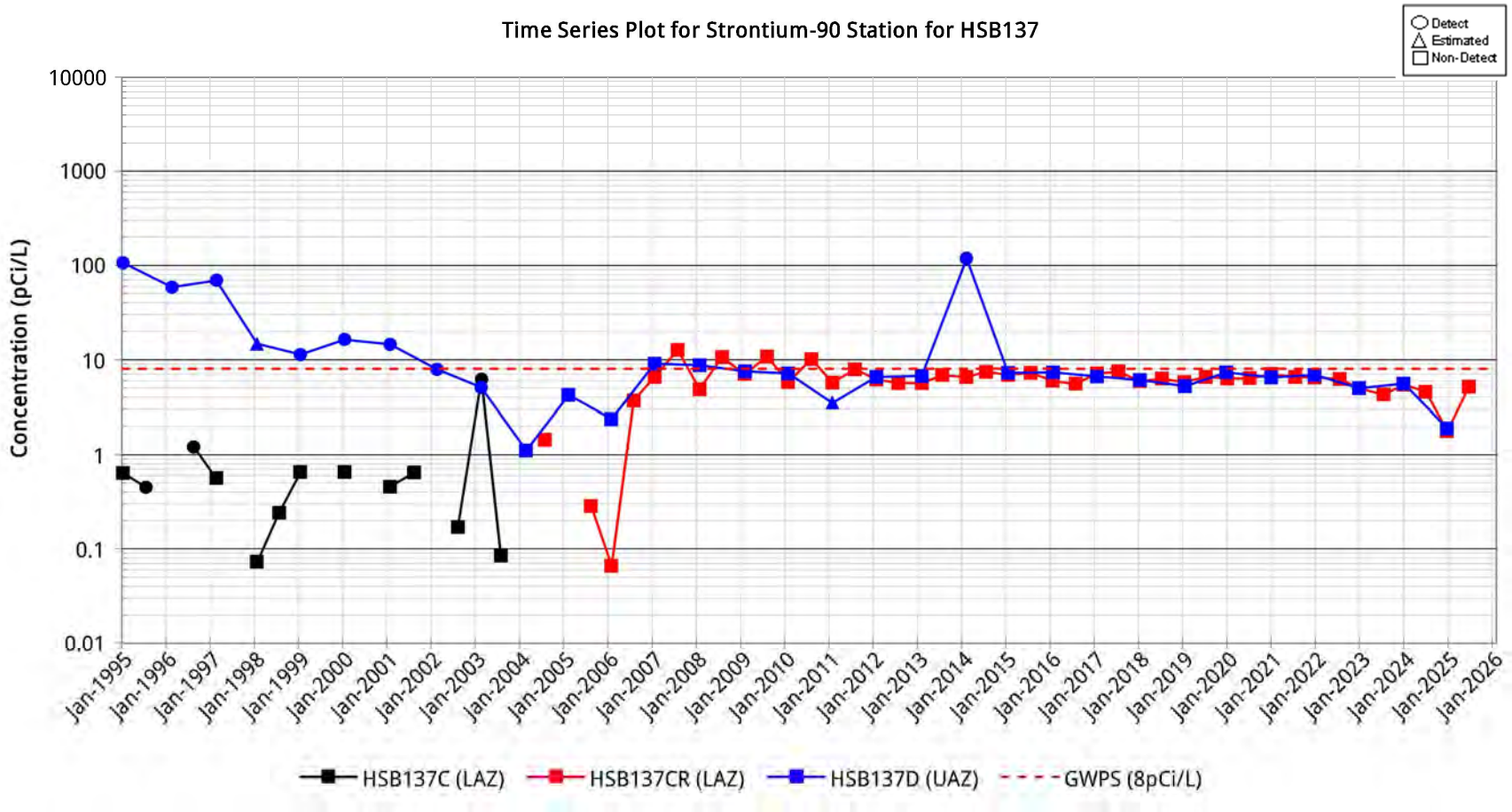
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (8pCi/L)


Time Series Plot for Strontium-90 Station for HSB137
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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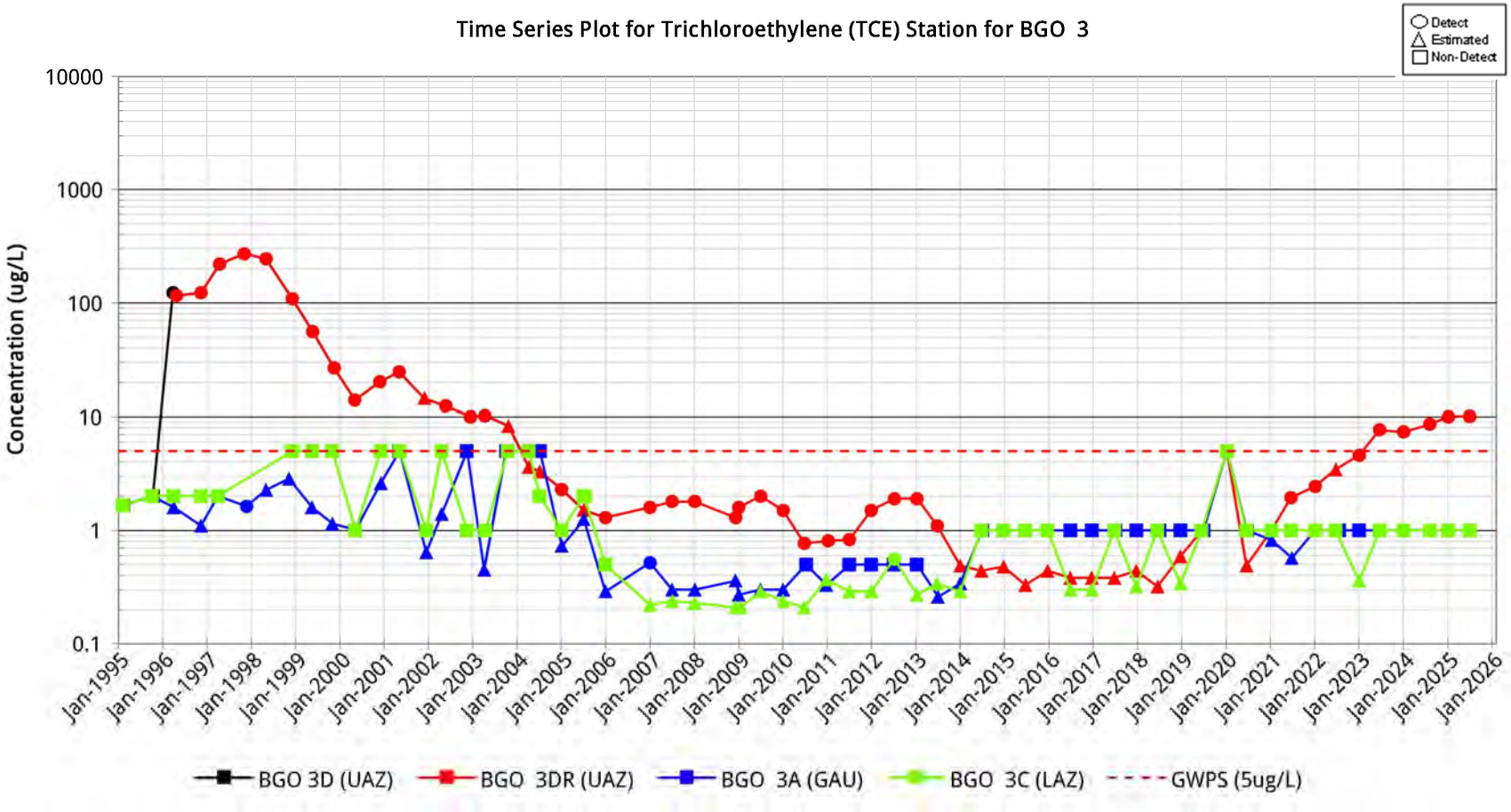
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB137C (LAZ)
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (8pCi/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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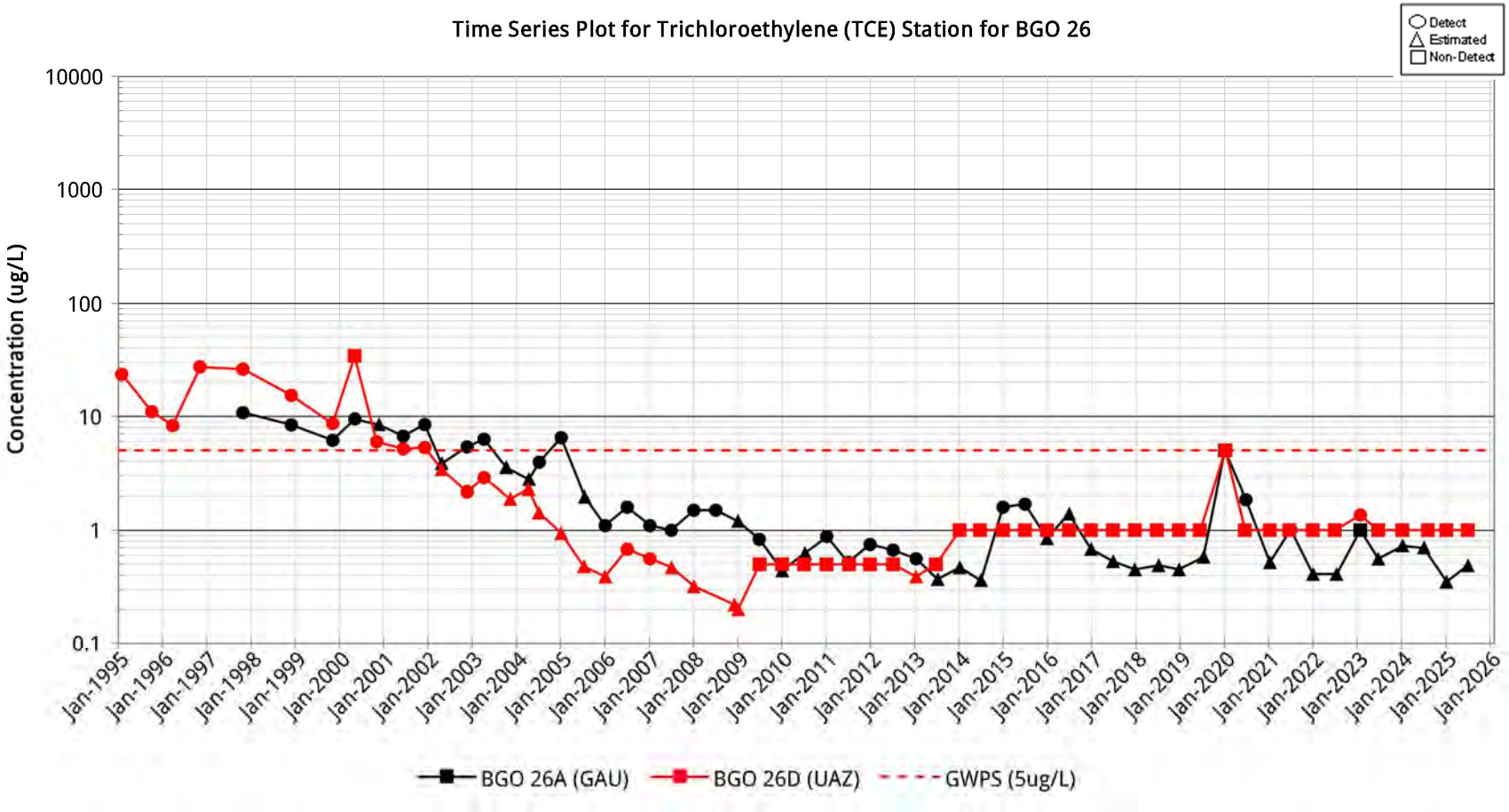
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 3D (UAZ)
BGO 3DR (UAZ)
BGO 3A (GAU)
BGO 3C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 26
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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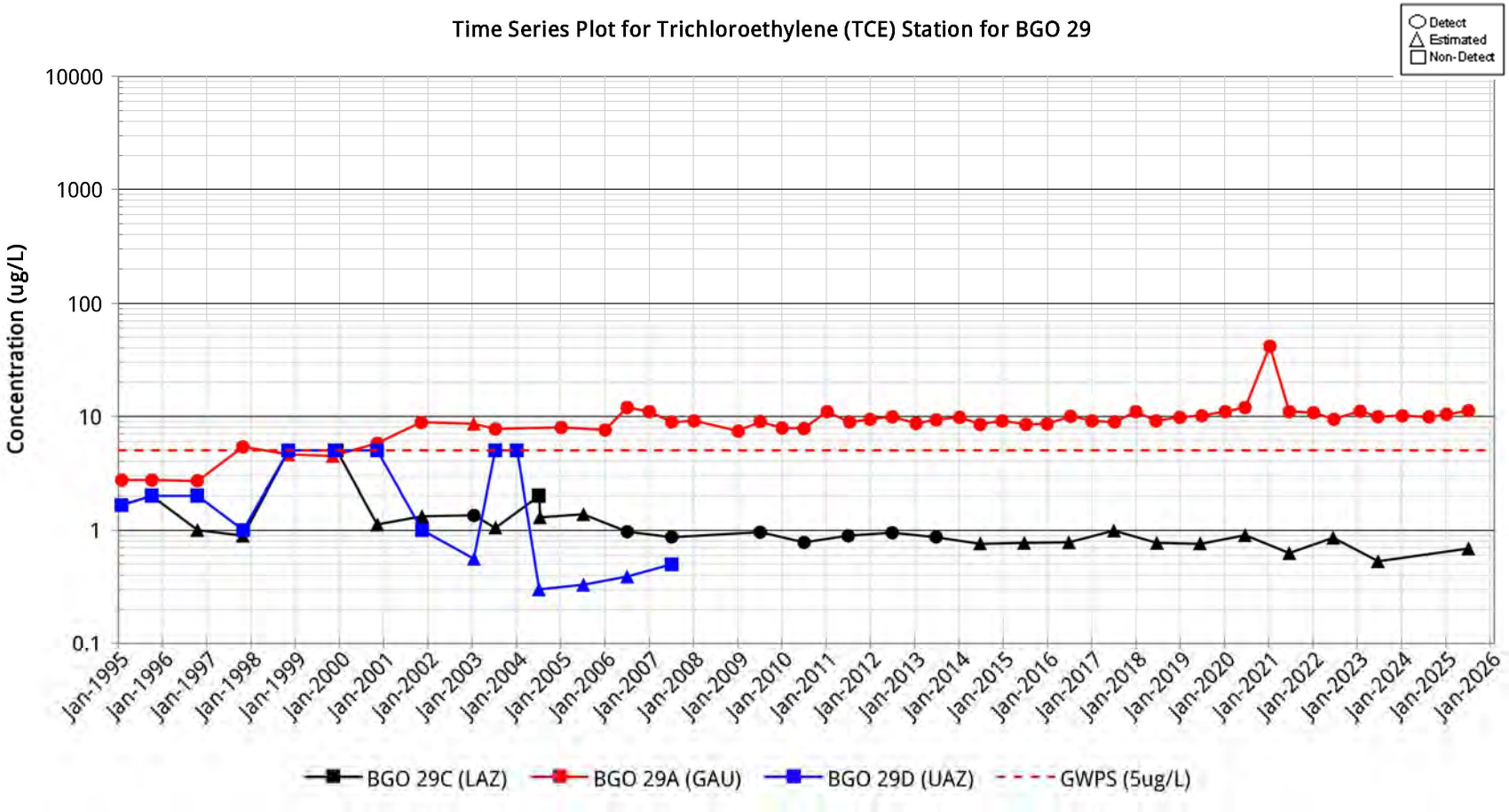
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 26A (GAU)
BGO 26D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 29
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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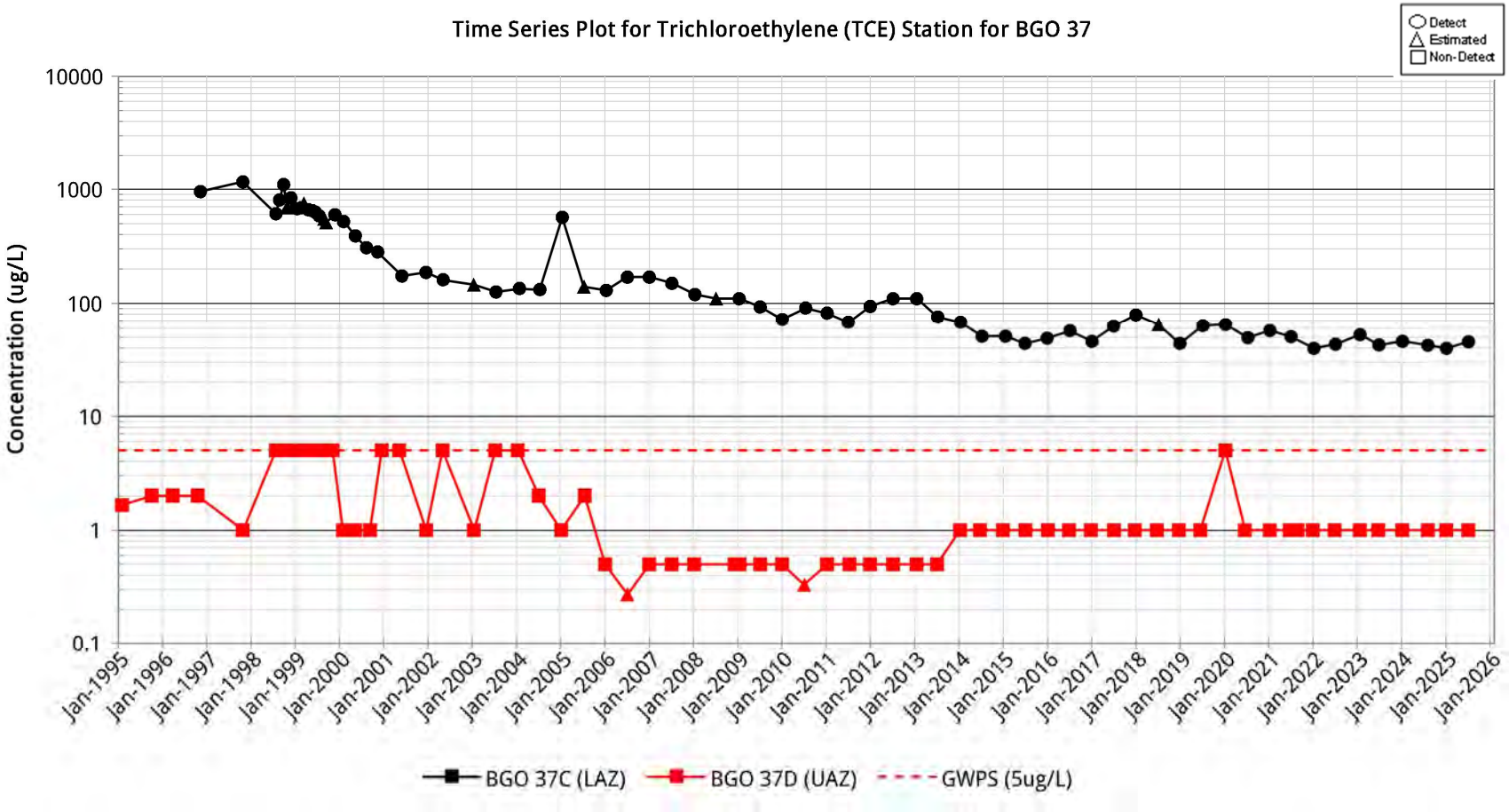
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 29C (LAZ)
BGO 29A (GAU)
BGO 29D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 37
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2020
Jan-2021
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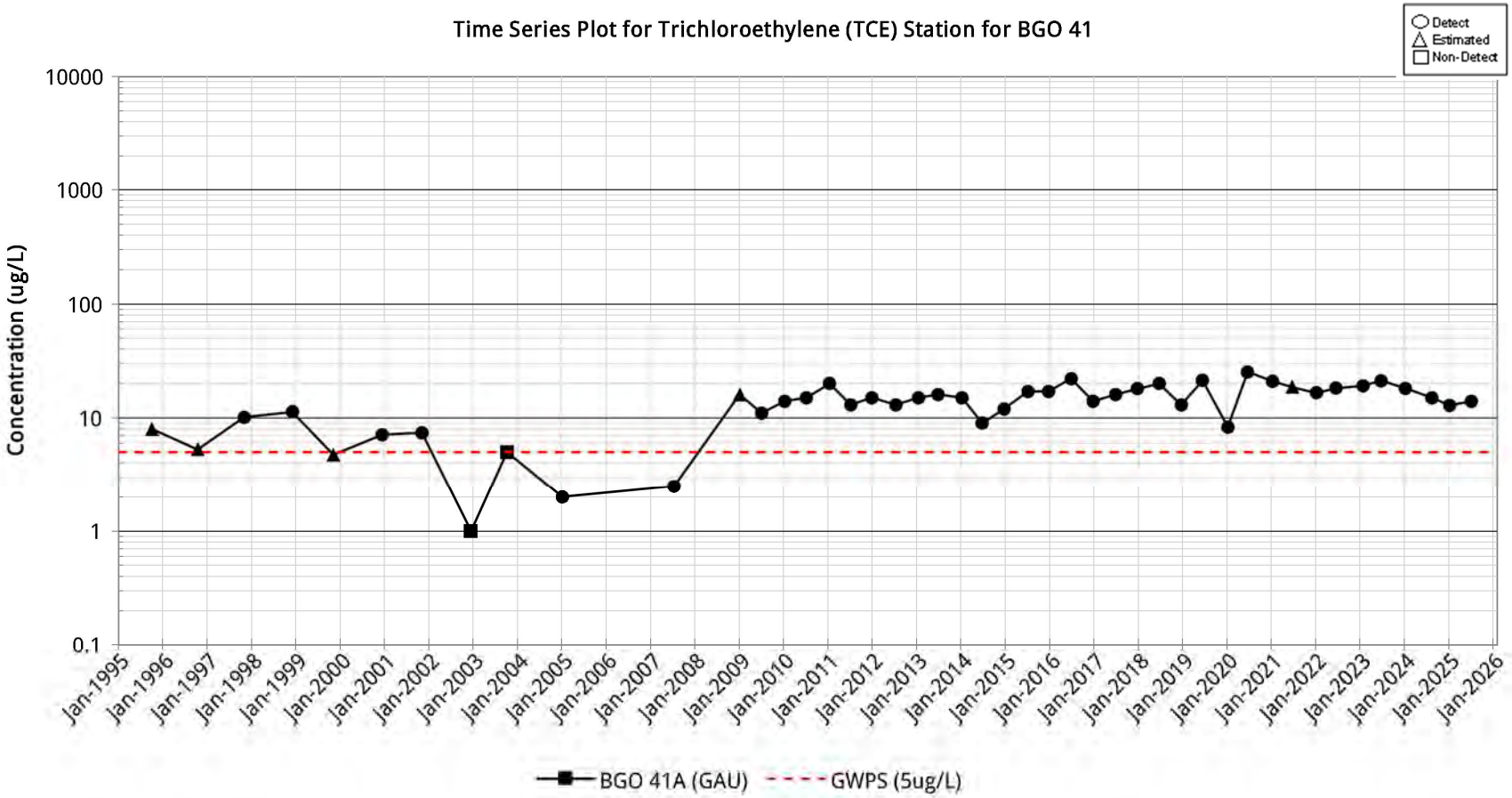
Jan-2024
Jan-2025
Jan-2026
BGO 37C (LAZ)
BGO 37D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 41
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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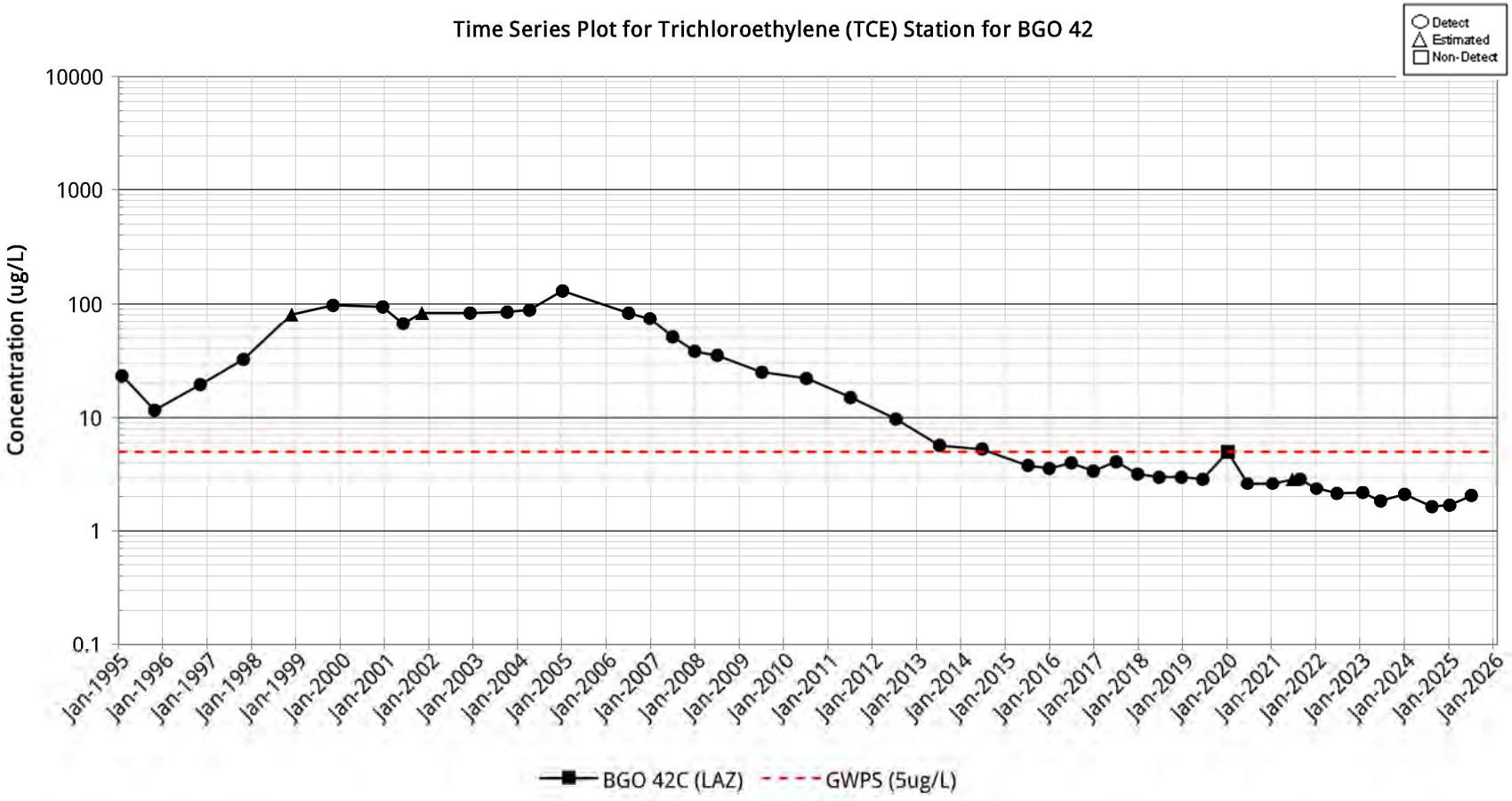
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 41A (GAU)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 42
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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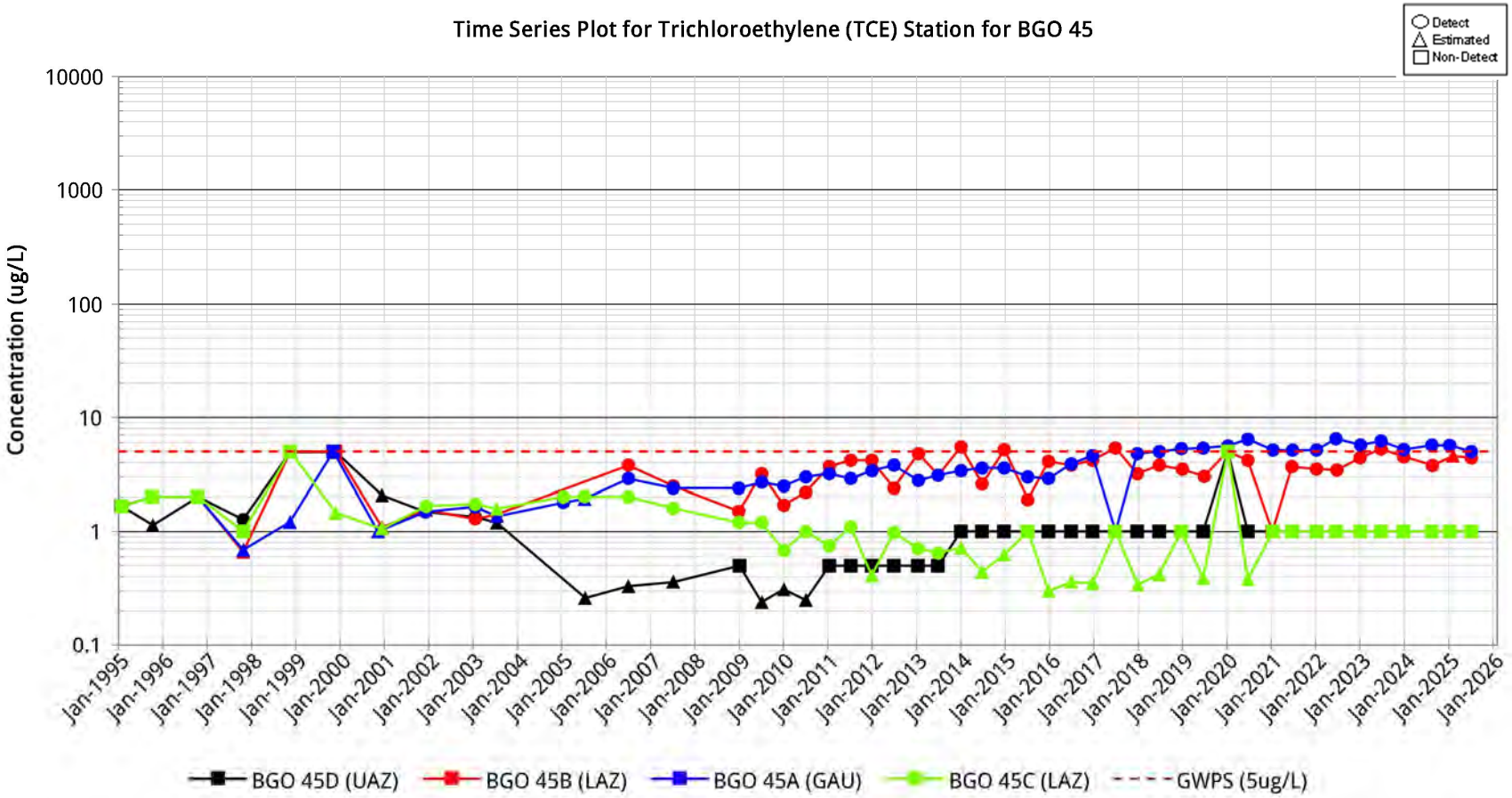
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 42C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 45
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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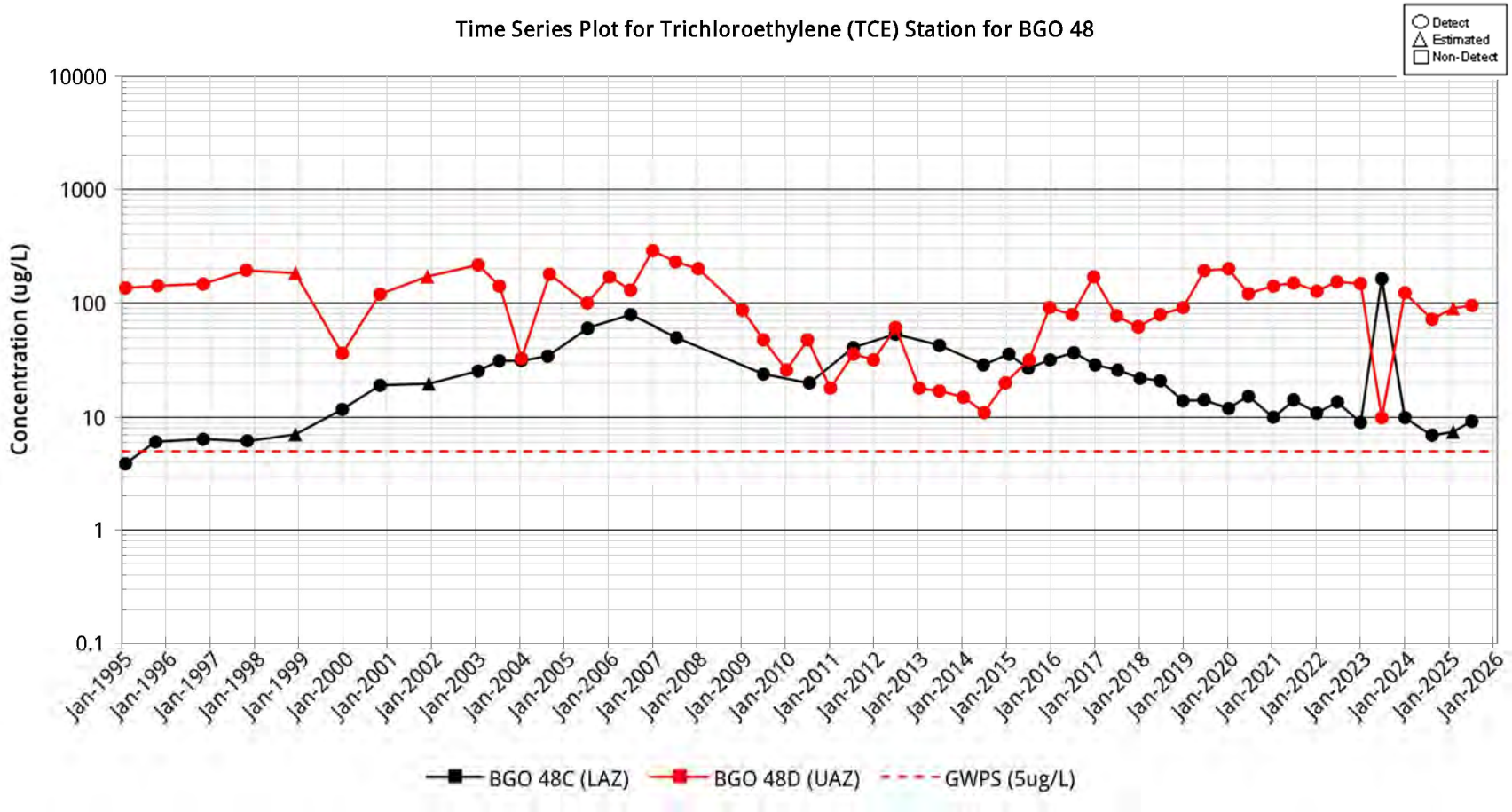
Jan-2024
Jan-2025
Jan-2026
BGO 45D (UAZ)
BGO 45B (LAZ)
BGO 45A (GAU)
BGO 45C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 48
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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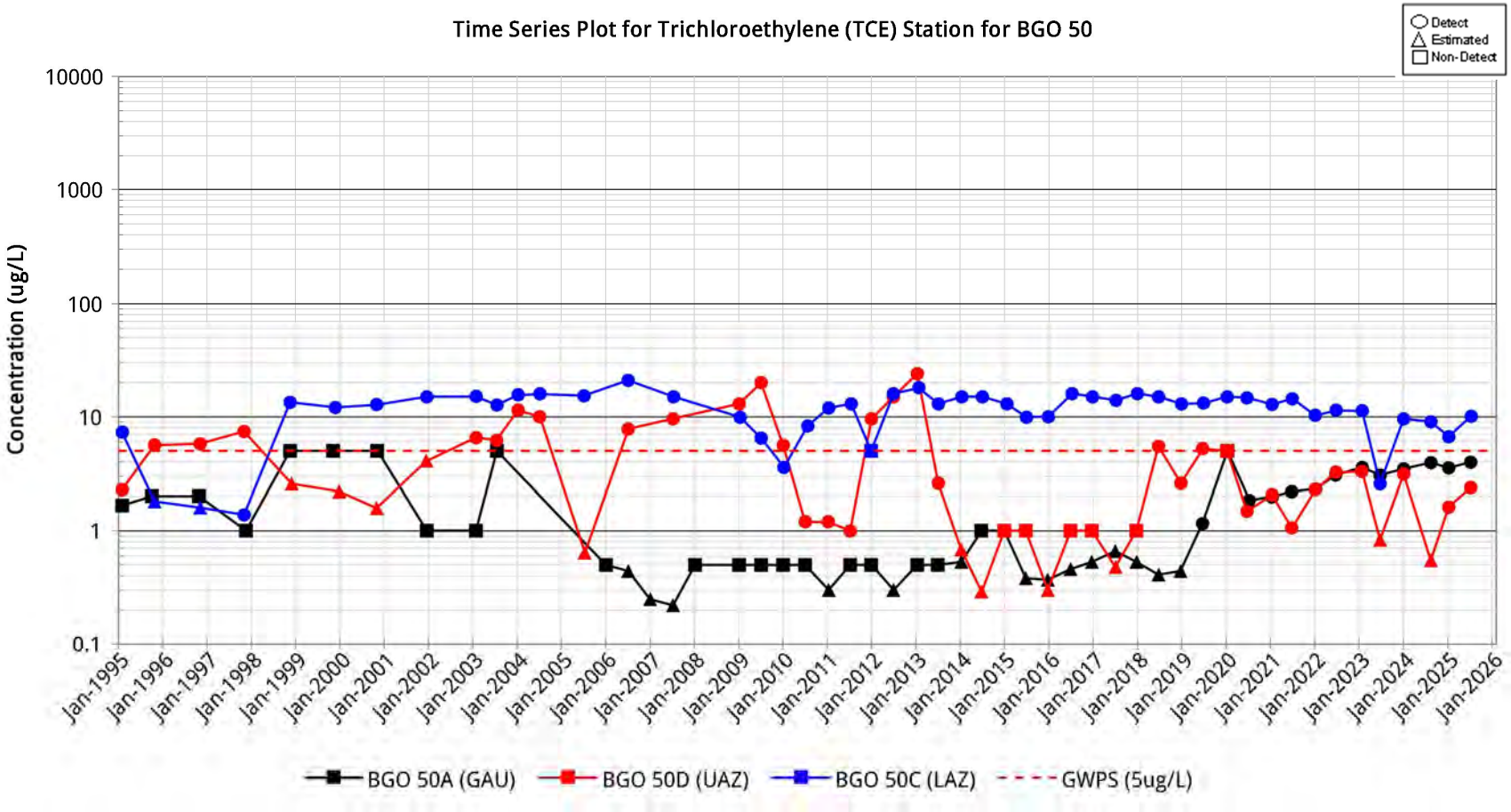
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 48C (LAZ)
BGO 48D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 50
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2002
Jan-2003
Jan-2004
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Jan-2007
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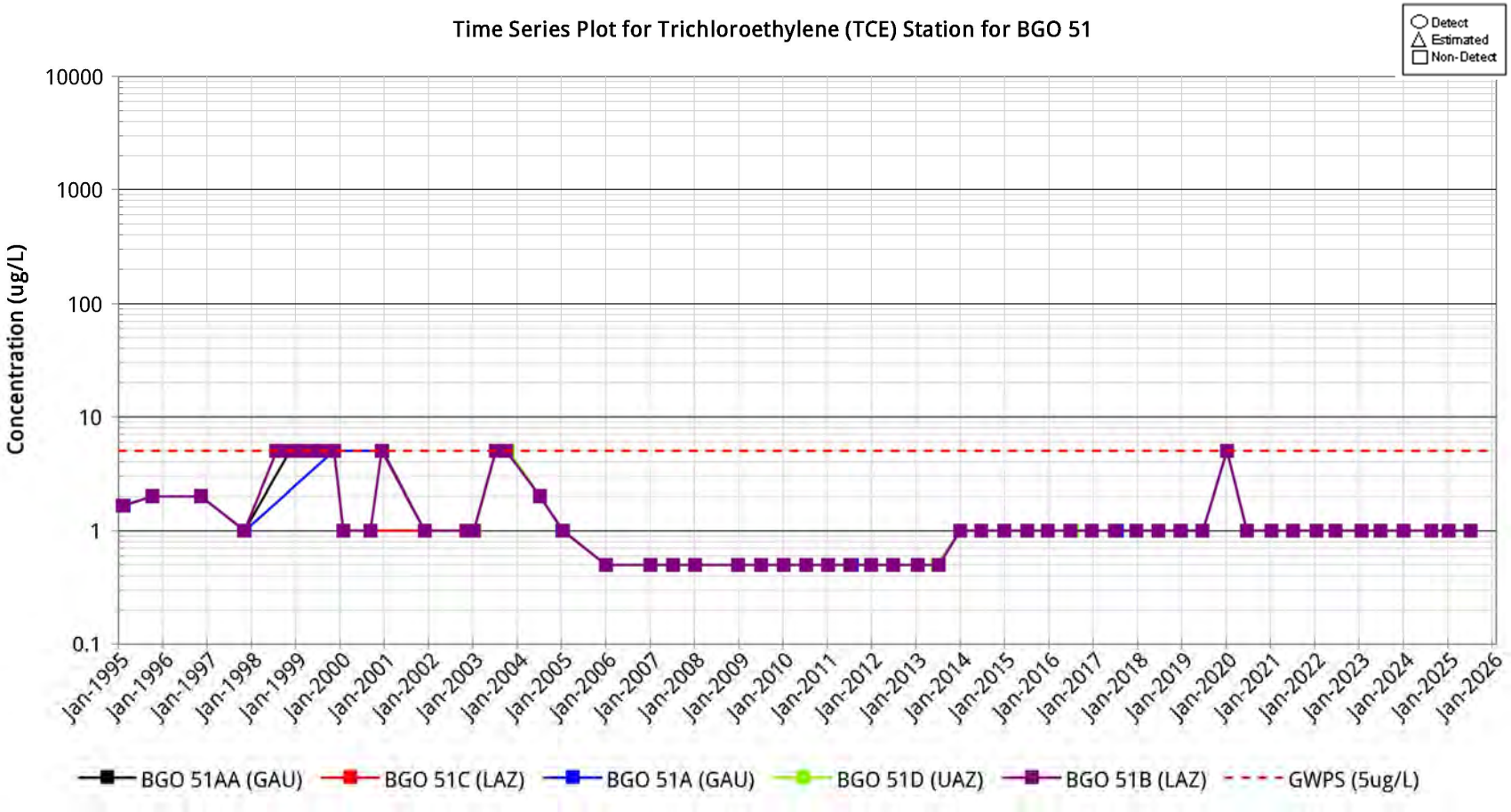
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 50A (GAU)
BGO 50D (UAZ)
BGO 50C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGO 51
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2002
Jan-2003
Jan-2004
Jan-2005
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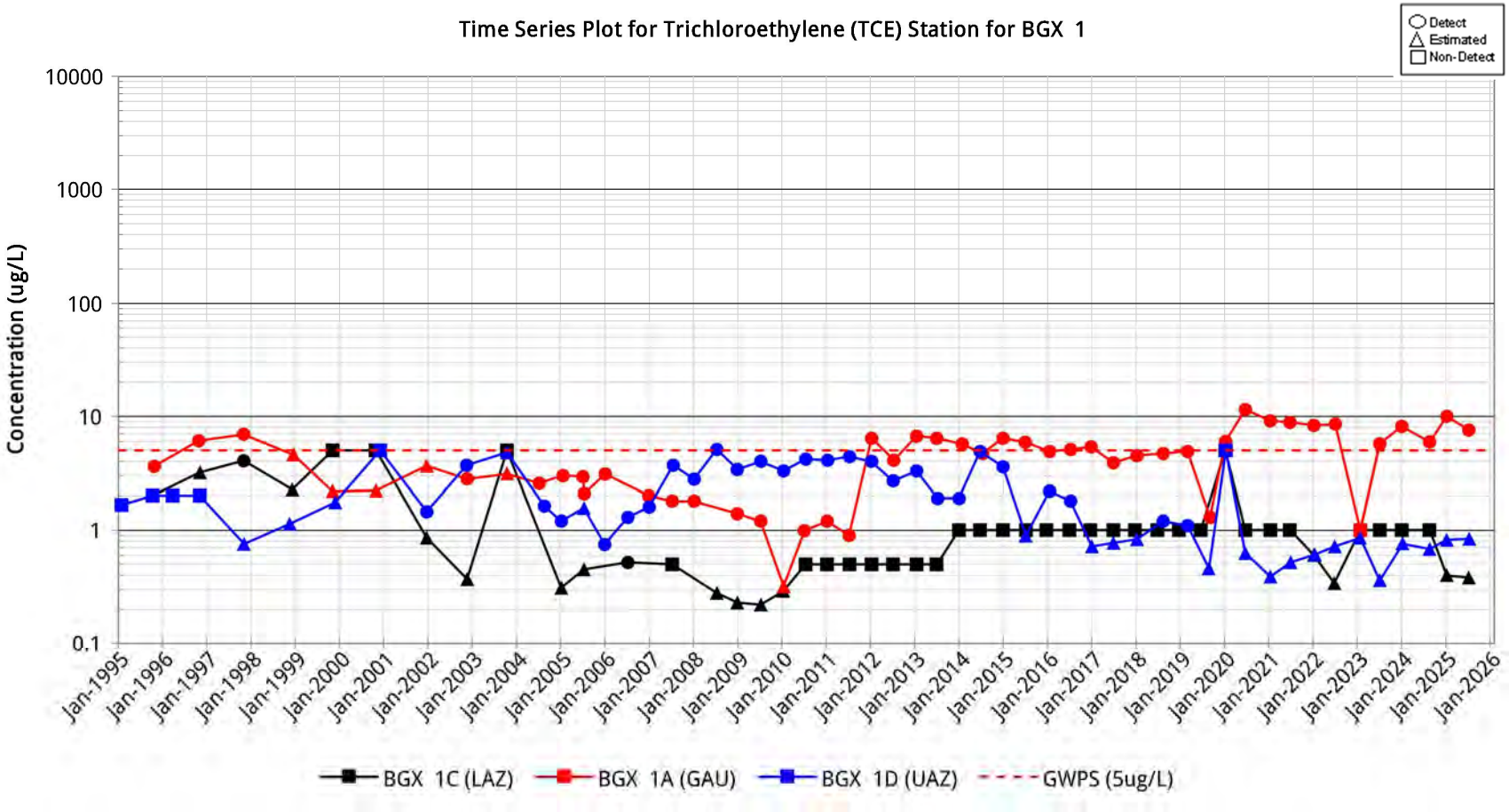
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 51AA (GAU)
BGO 51C (LAZ)
BGO 51A (GAU)
BGO 51D (UAZ)
BGO 51B (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGX 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2023
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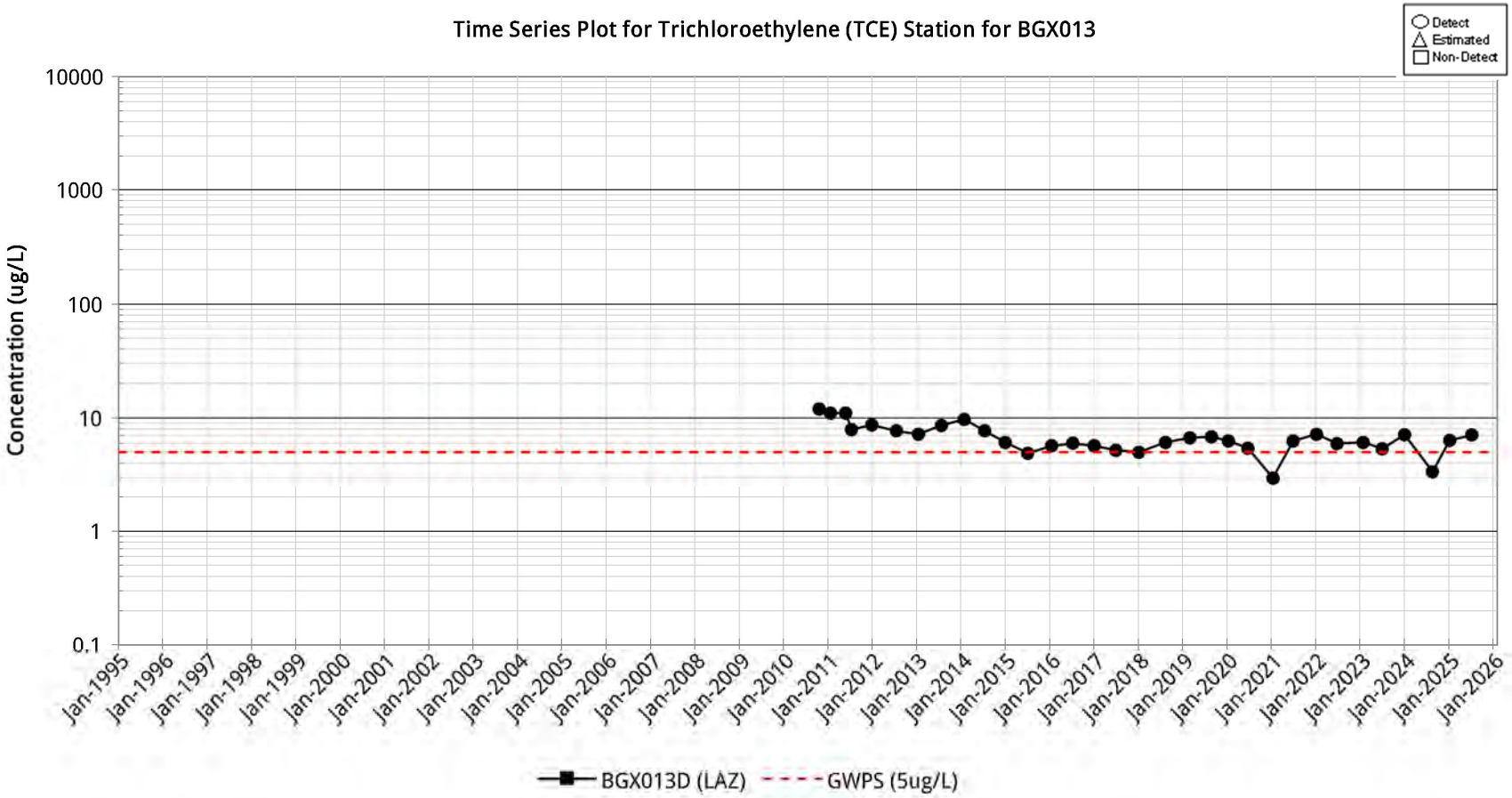
Jan-2025
Jan-2026
BGX 1C (LAZ)
BGX 1A (GAU)
BGX 1D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BGX013
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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Jan-2000
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Jan-2002
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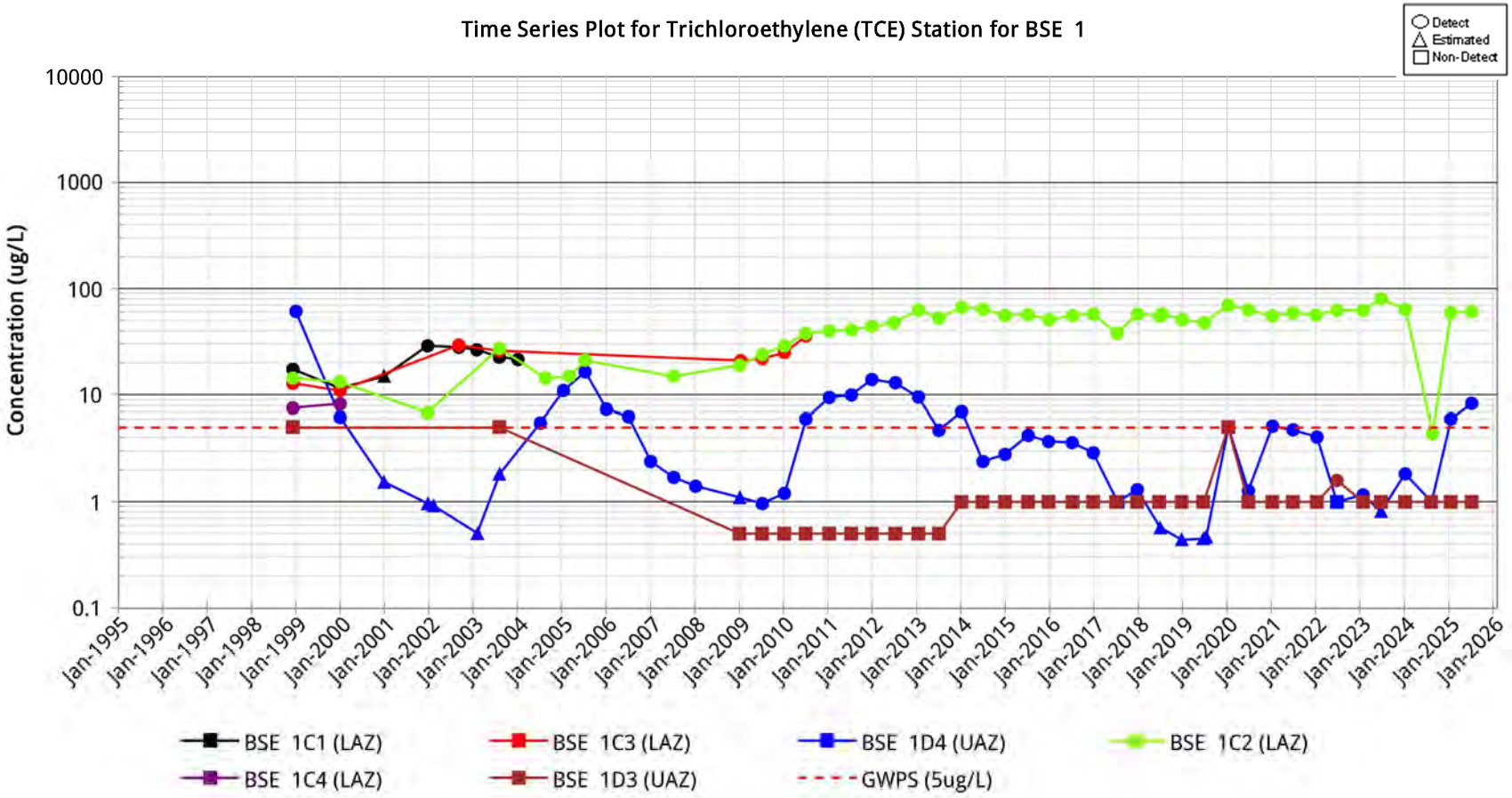
Jan-2026
BGX013D (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BSE 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2002
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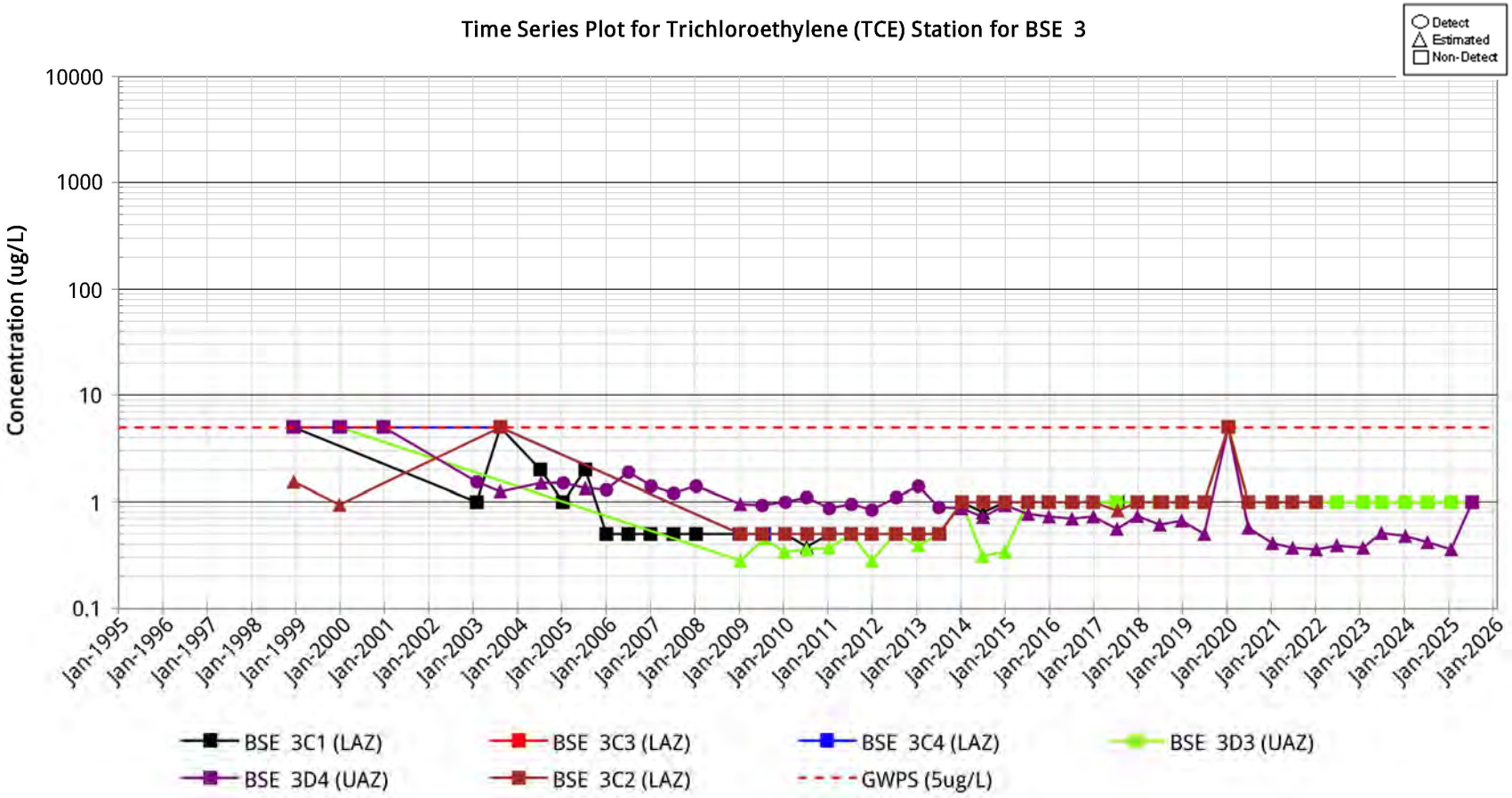
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSE 1C1 (LAZ)
BSE 1C3 (LAZ)
BSE 1D4 (UAZ)
BSE 1C2 (LAZ)
BSE 1C4 (LAZ)
BSE 1D3 (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BSE 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2002
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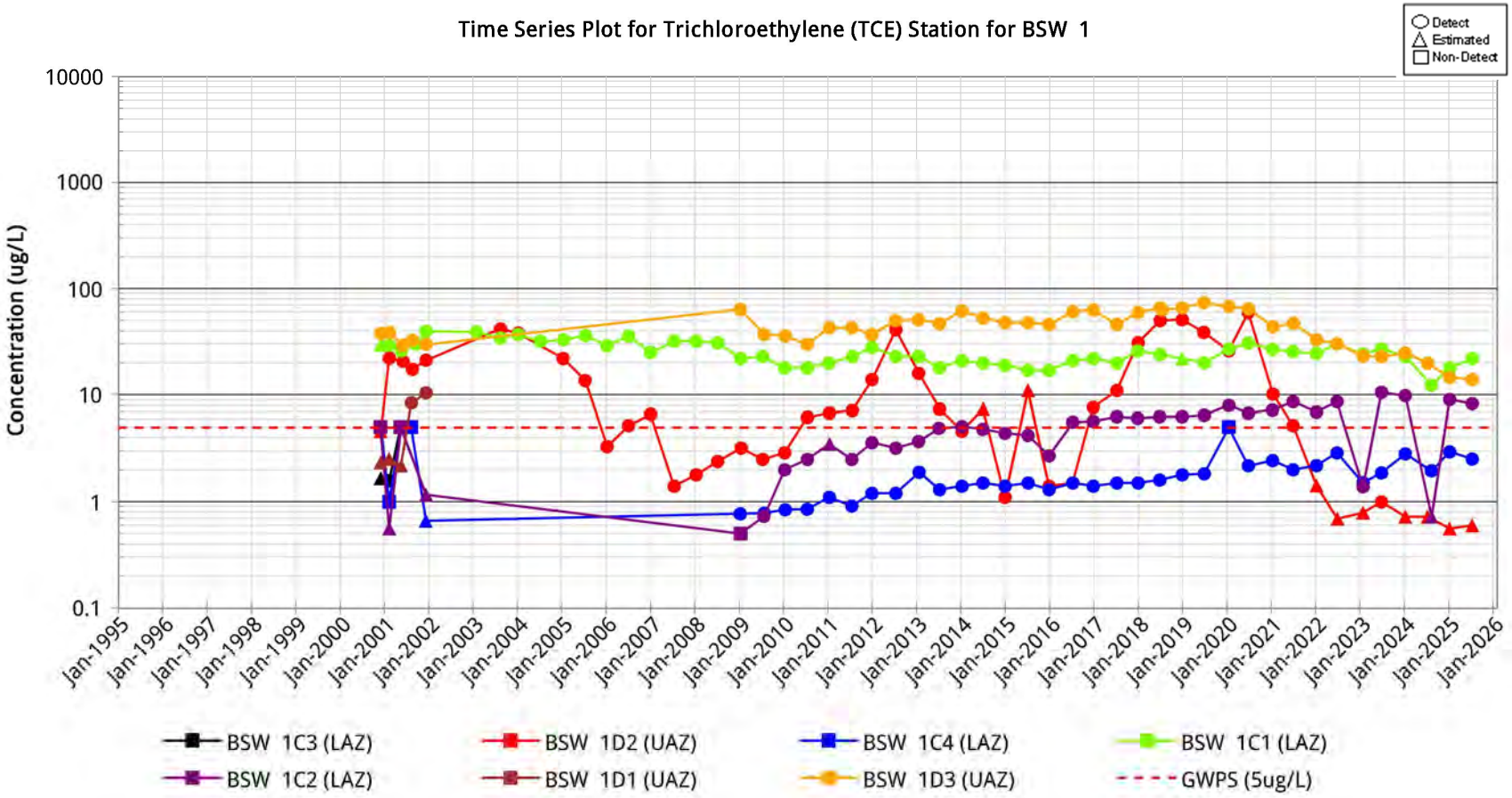
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSE 3C1 (LAZ)
BSE 3C3 (LAZ)
BSE 3C4 (LAZ)
BSE 3D3 (UAZ)
BSE 3D4 (UAZ)
BSE 3C2 (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BSW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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Jan-2001
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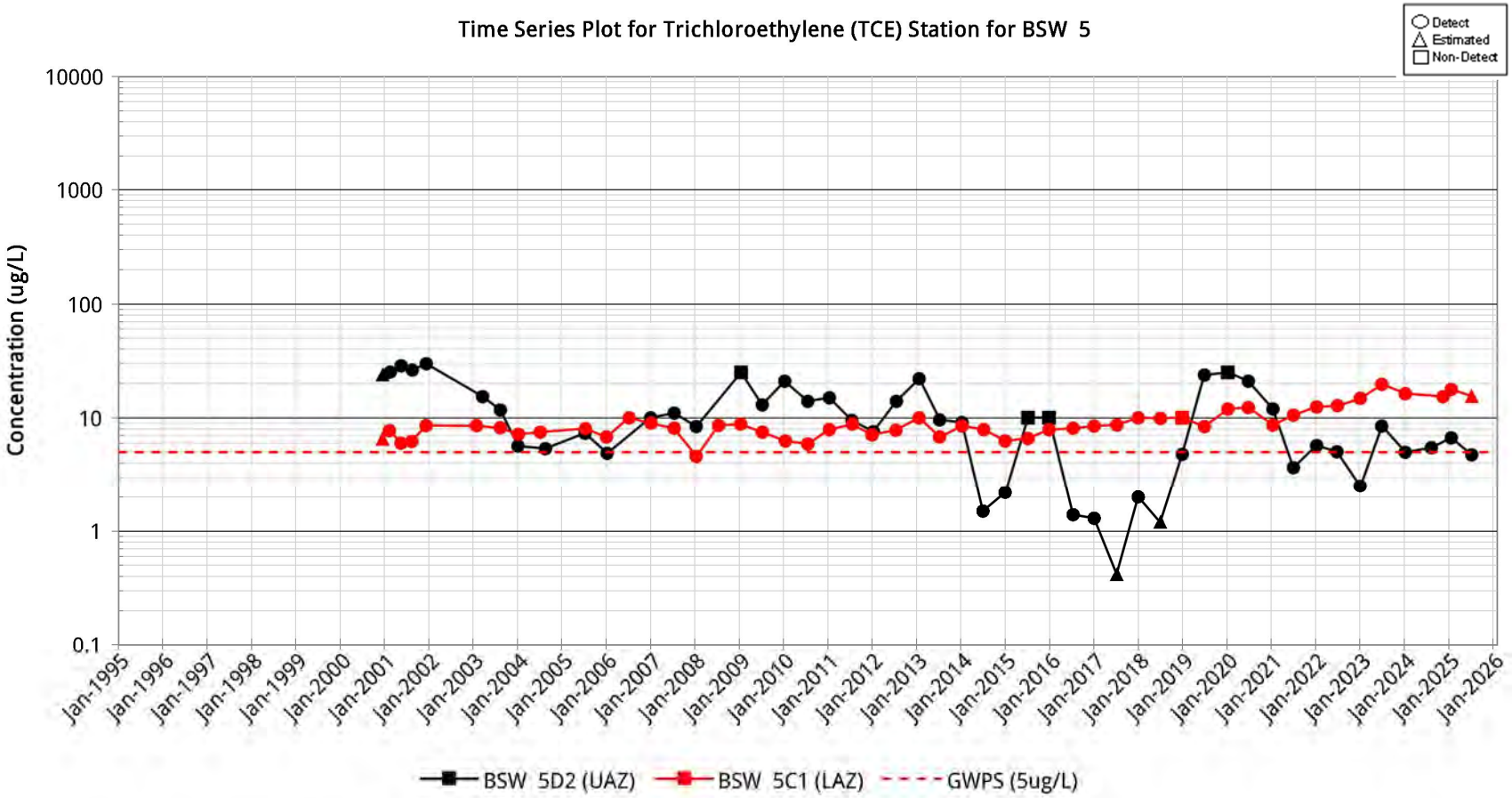
Jan-2024
Jan-2025
Jan-2026
BSW 1C3 (LAZ)
BSW 1D2 (UAZ)
BSW 1C4 (LAZ)
BSW 1C1 (LAZ)
BSW 1C2 (LAZ)
BSW 1D1 (UAZ)
BSW 1D3 (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BSW 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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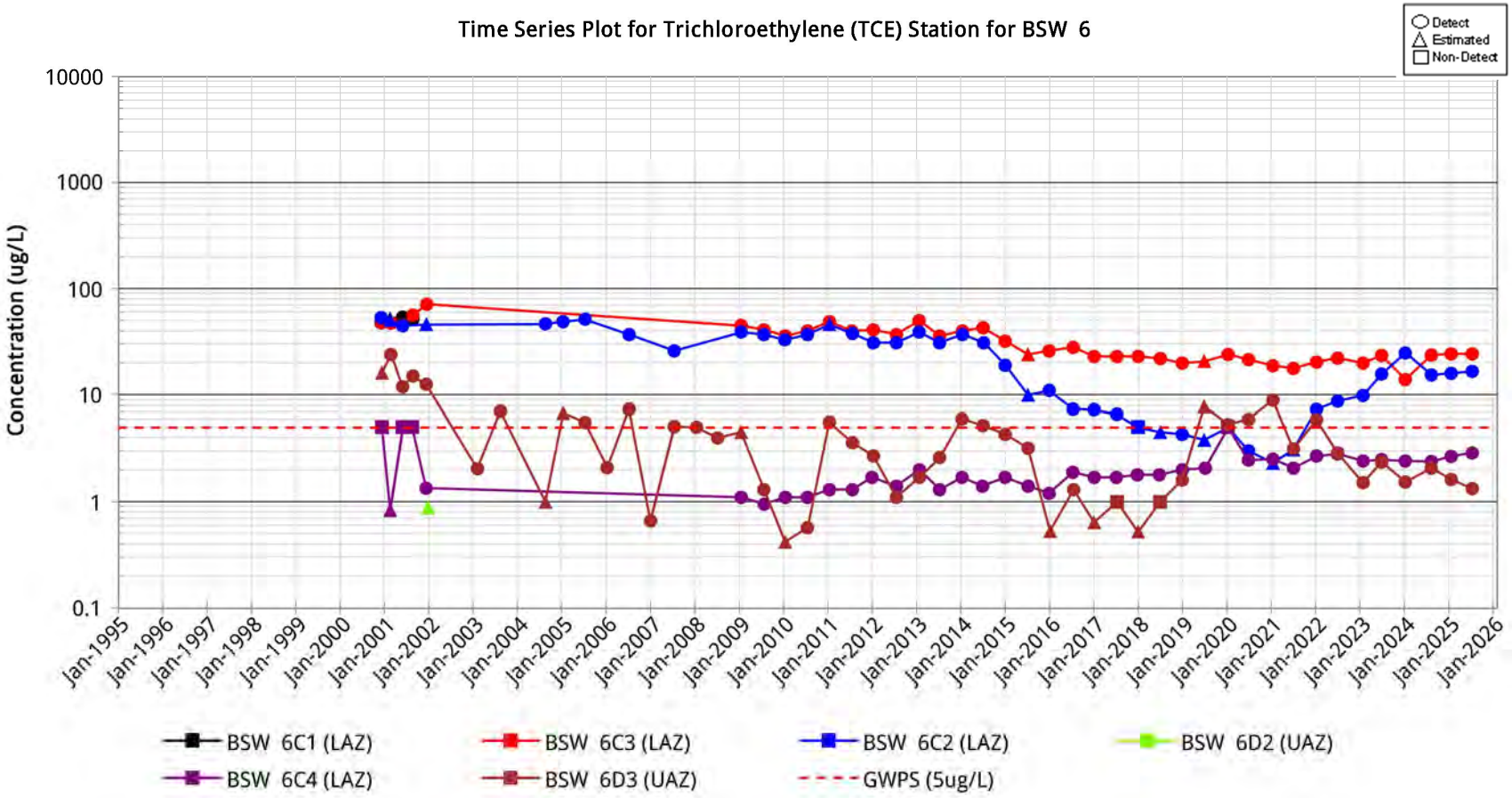
Jan-2024
Jan-2025
Jan-2026
BSW 5D2 (UAZ)
BSW 5C1 (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BSW 6
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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Jan-1999
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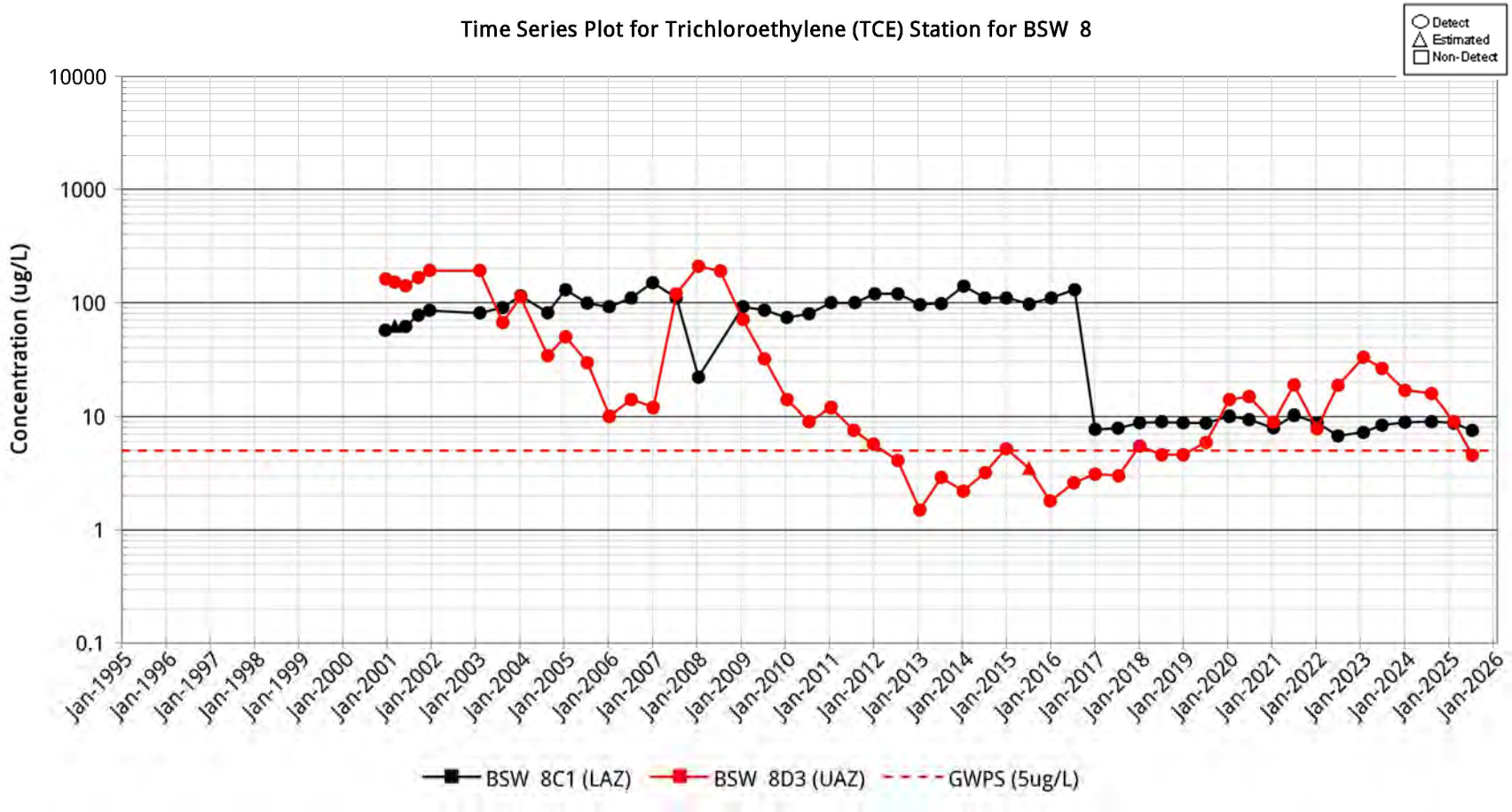
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSW 6C1 (LAZ)
BSW 6C3 (LAZ)
BSW 6C2 (LAZ)
BSW 6D2 (UAZ)
BSW 6C4 (LAZ)
BSW 6D3 (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for BSW 8
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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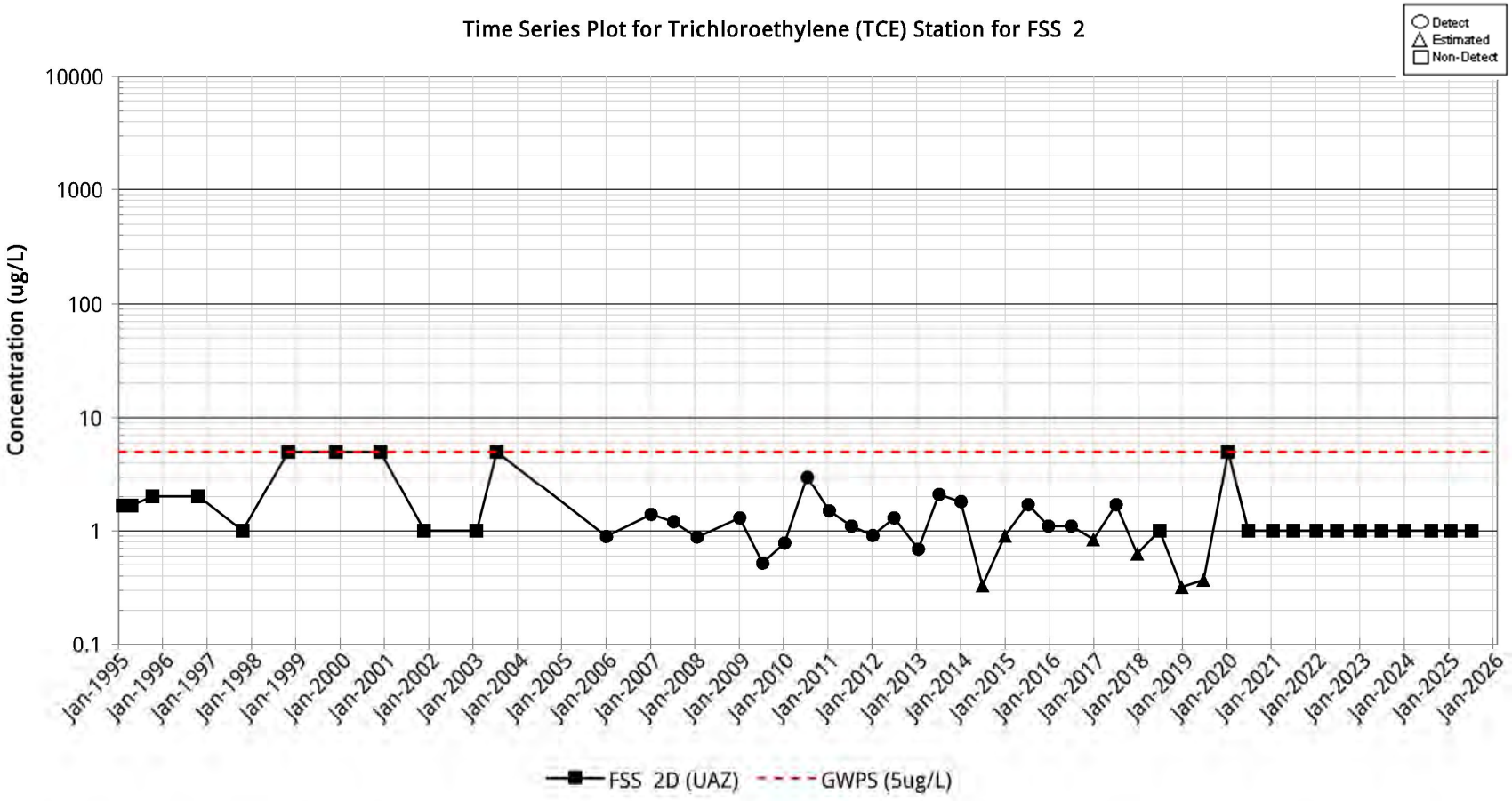
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSW 8C1 (LAZ)
BSW 8D3 (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for FSS 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
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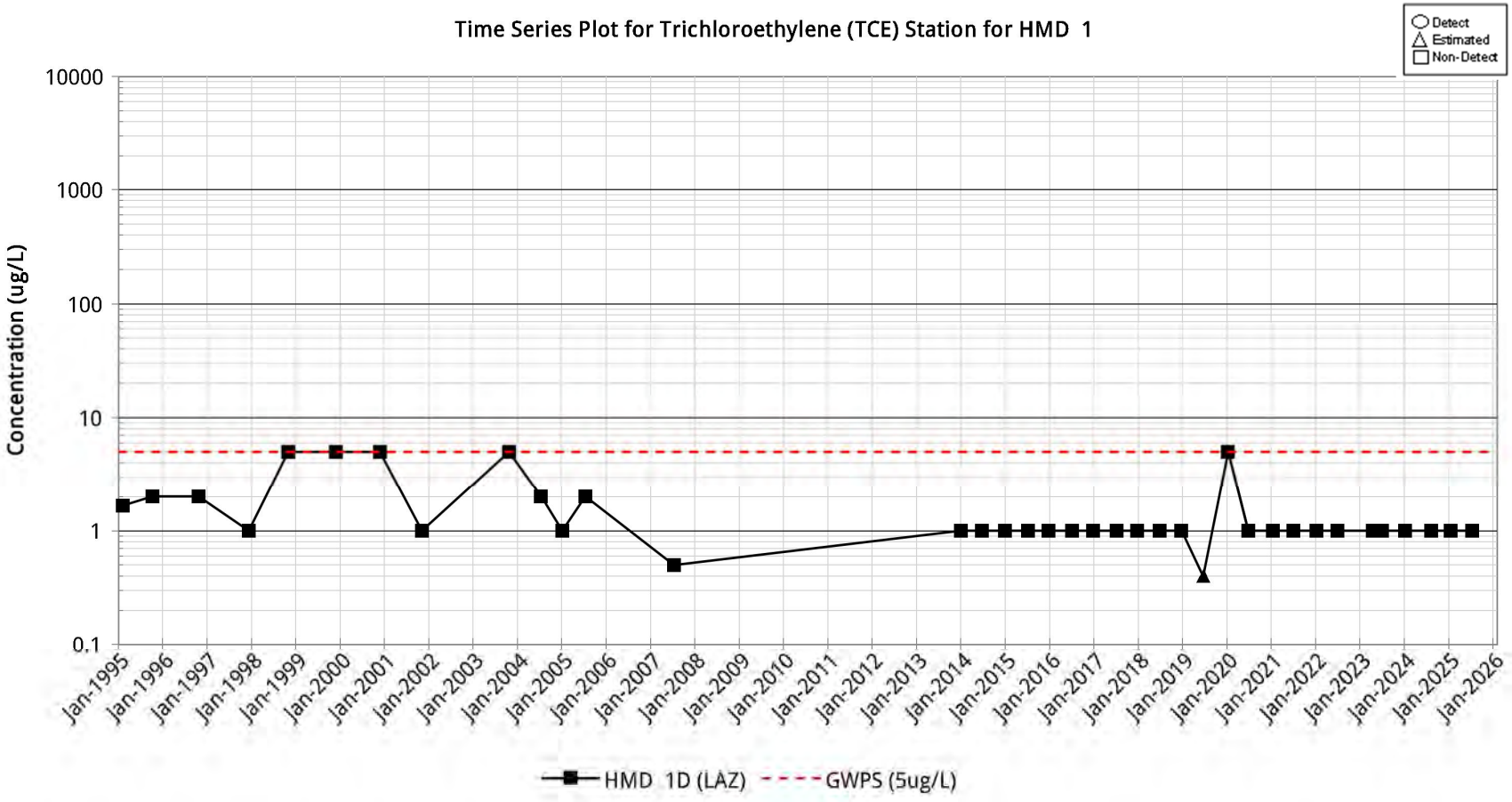
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSS 2D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for HMD 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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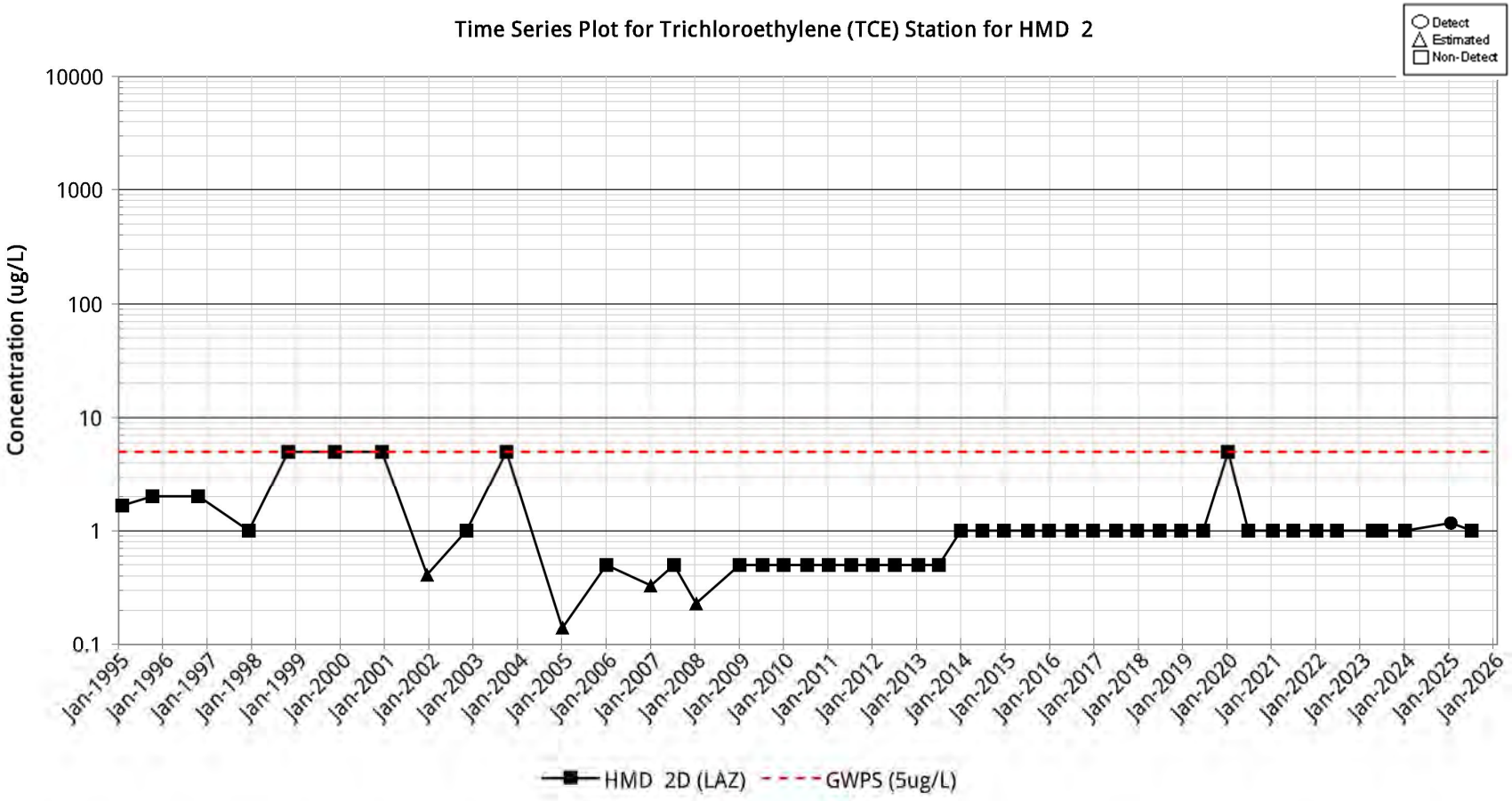
Jan-2026
HMD 1D (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for HMD 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2018
Jan-2019
Jan-2020
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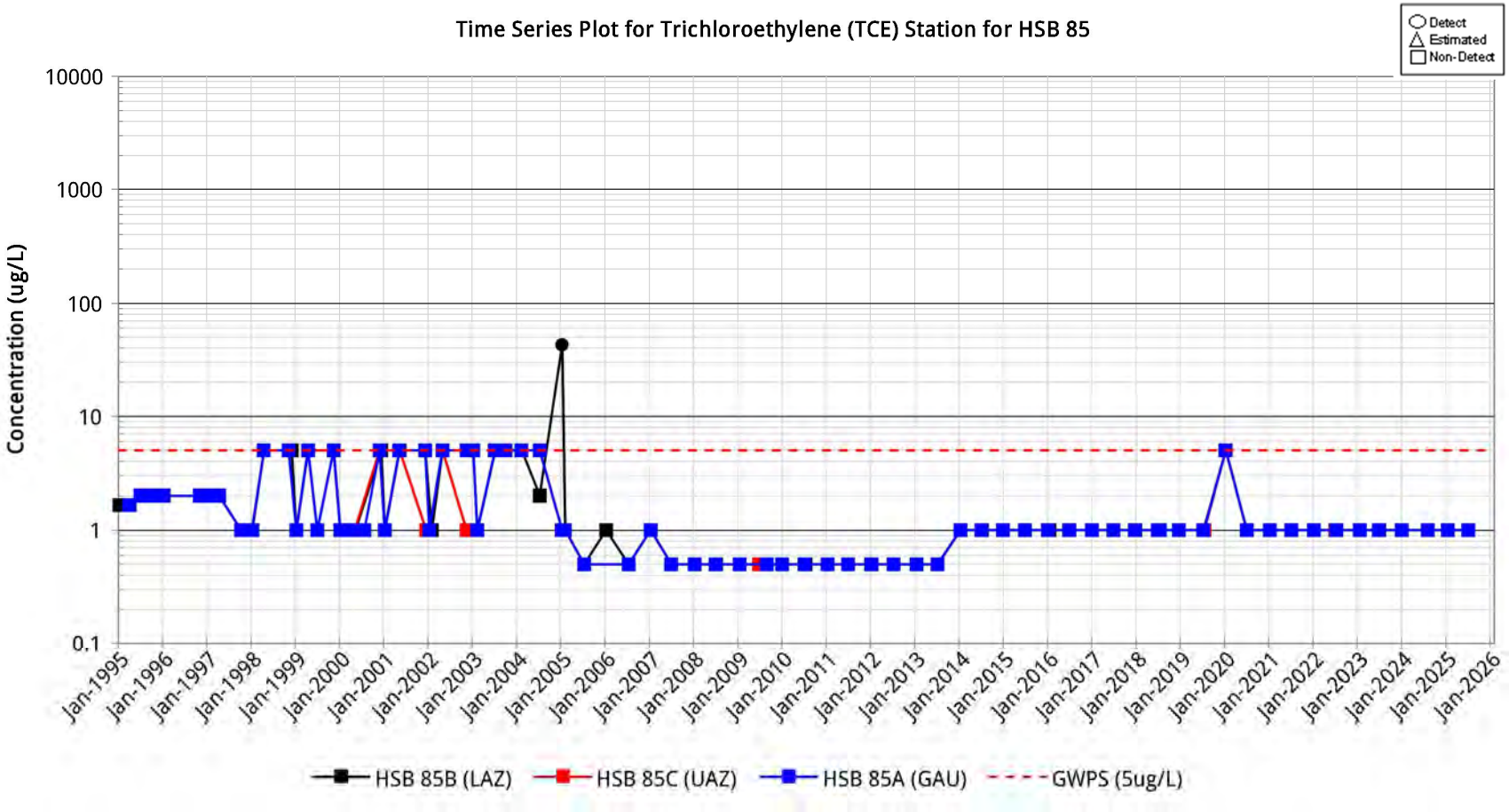
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HMD 2D (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for HSB 85
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2004
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Jan-2021
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Jan-2023
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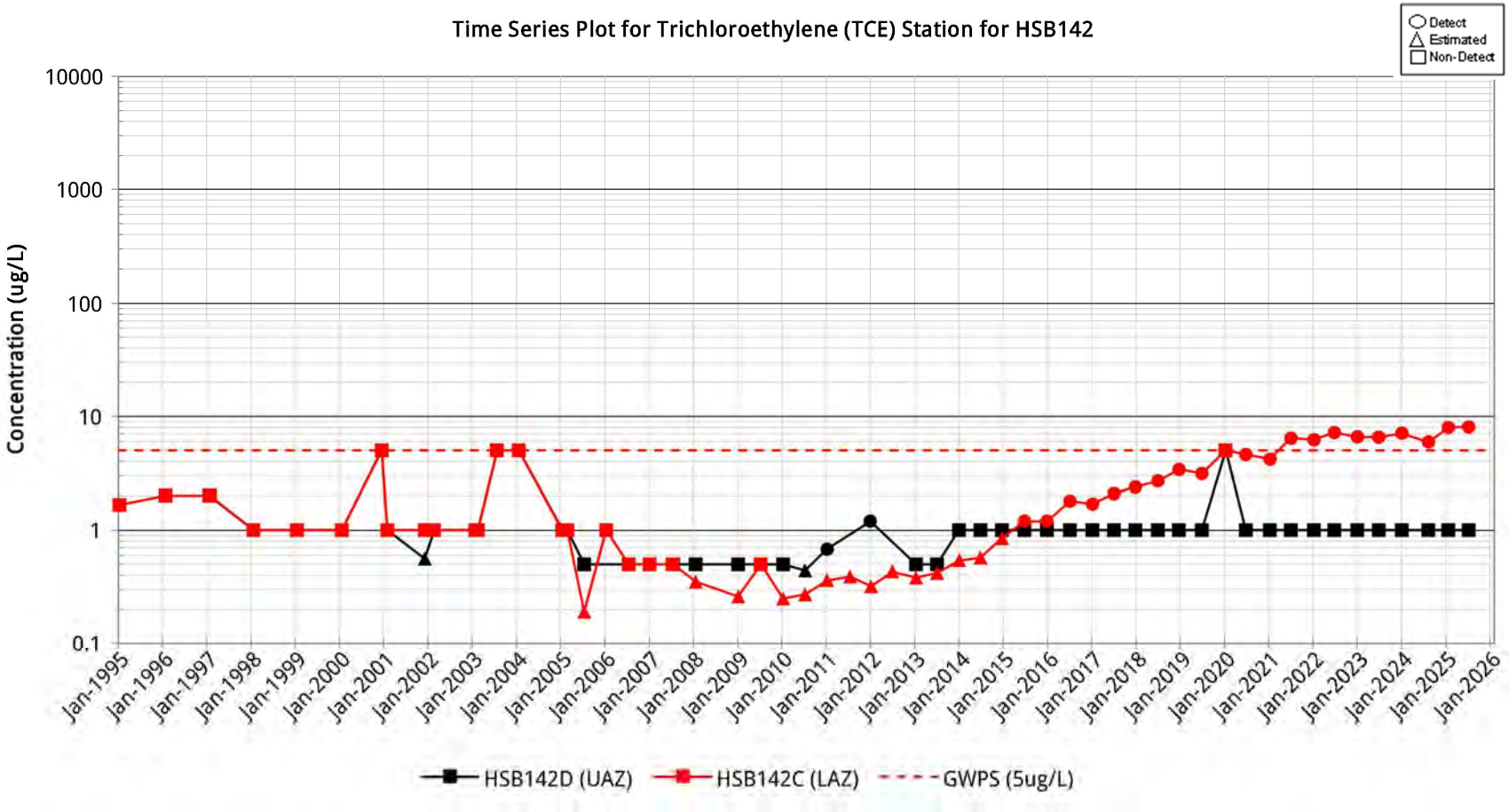
Jan-2026
HSB 85B (LAZ)
HSB 85C (UAZ)
HSB 85A (GAU)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for HSB142
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2021
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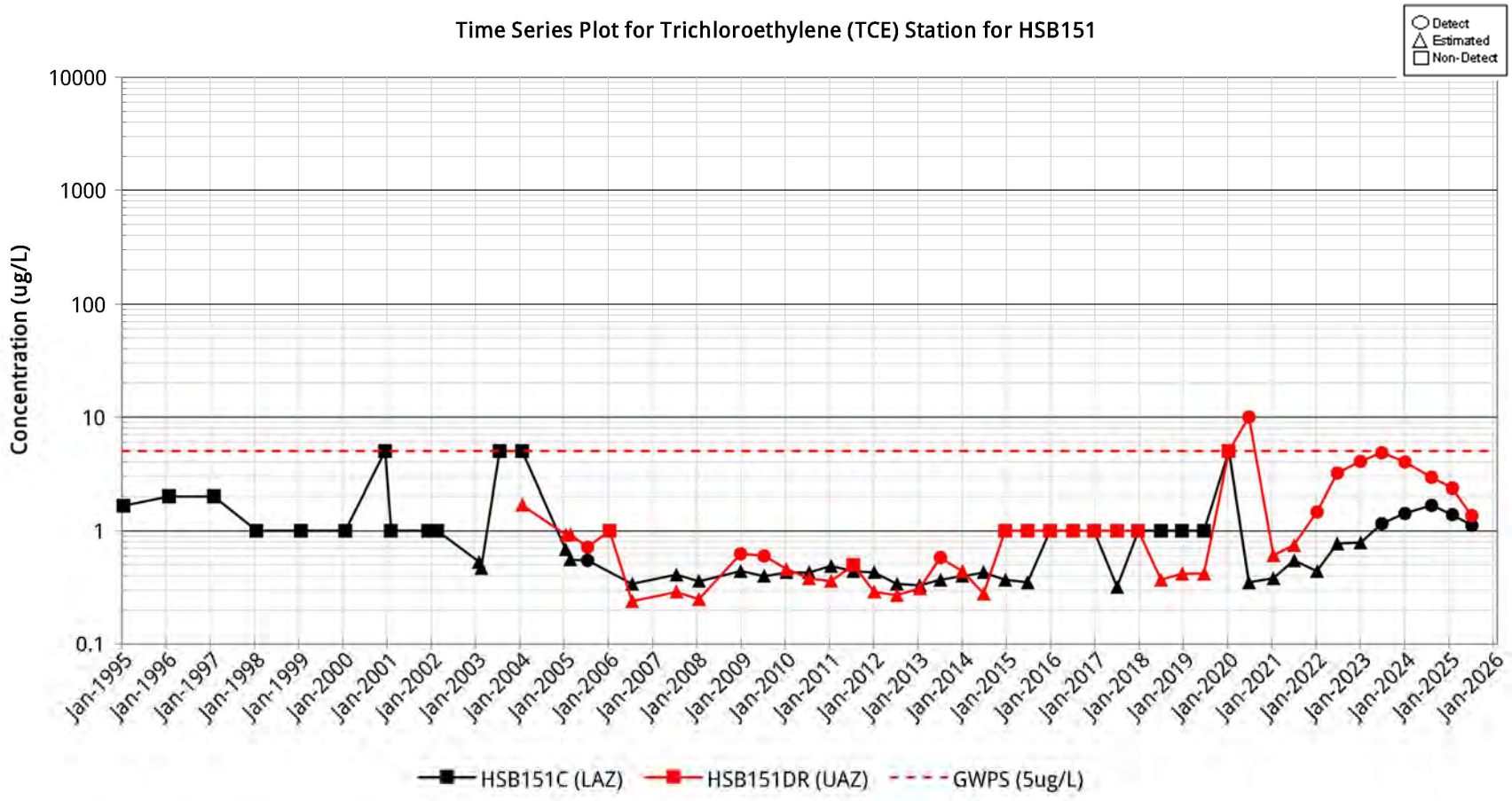
Jan-2025
Jan-2026
HSB142D (UAZ)
HSB142C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for HSB151
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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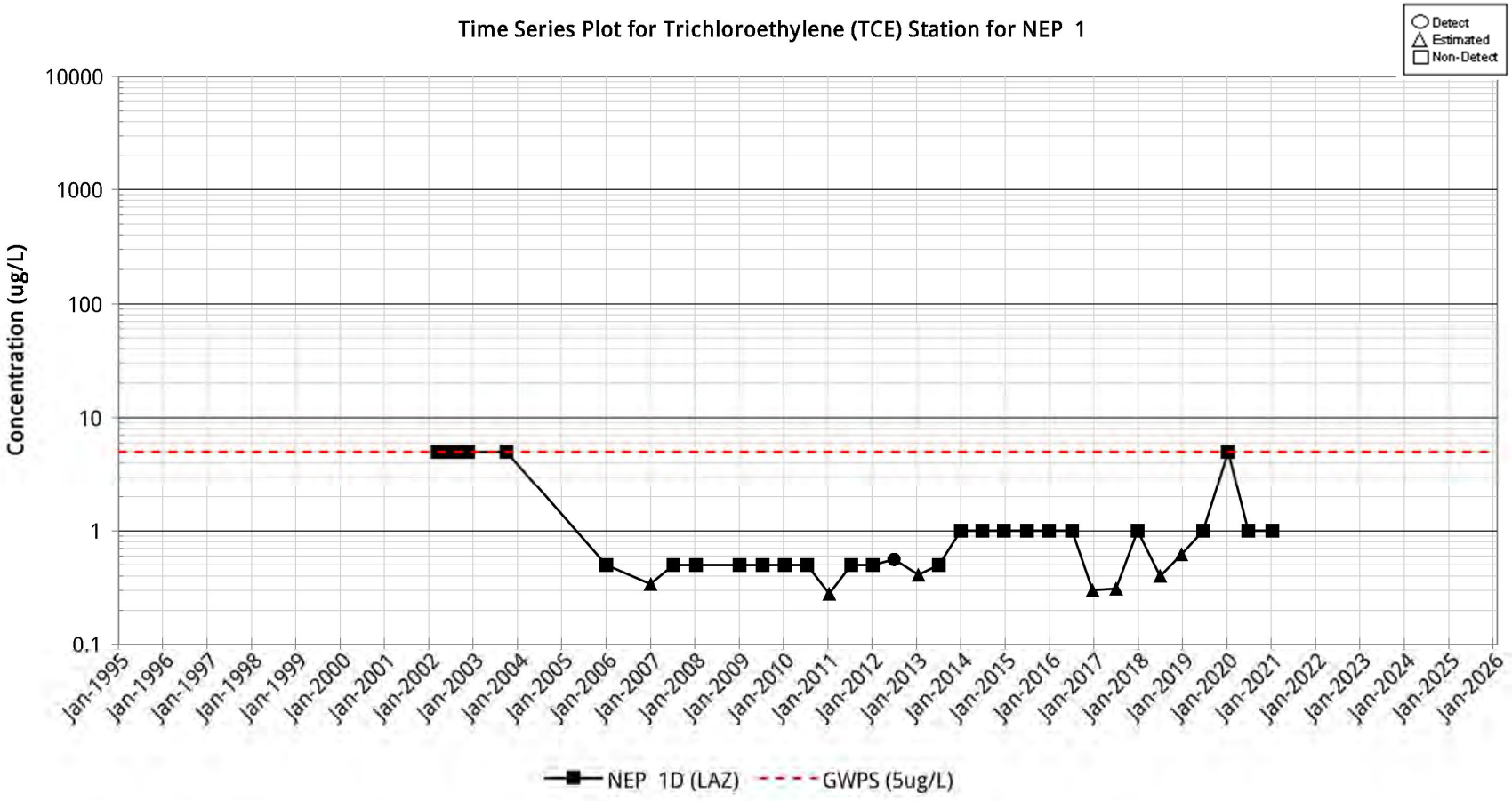
Jan-2025
Jan-2026
HSB151C (LAZ)
HSB151DR (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for NEP 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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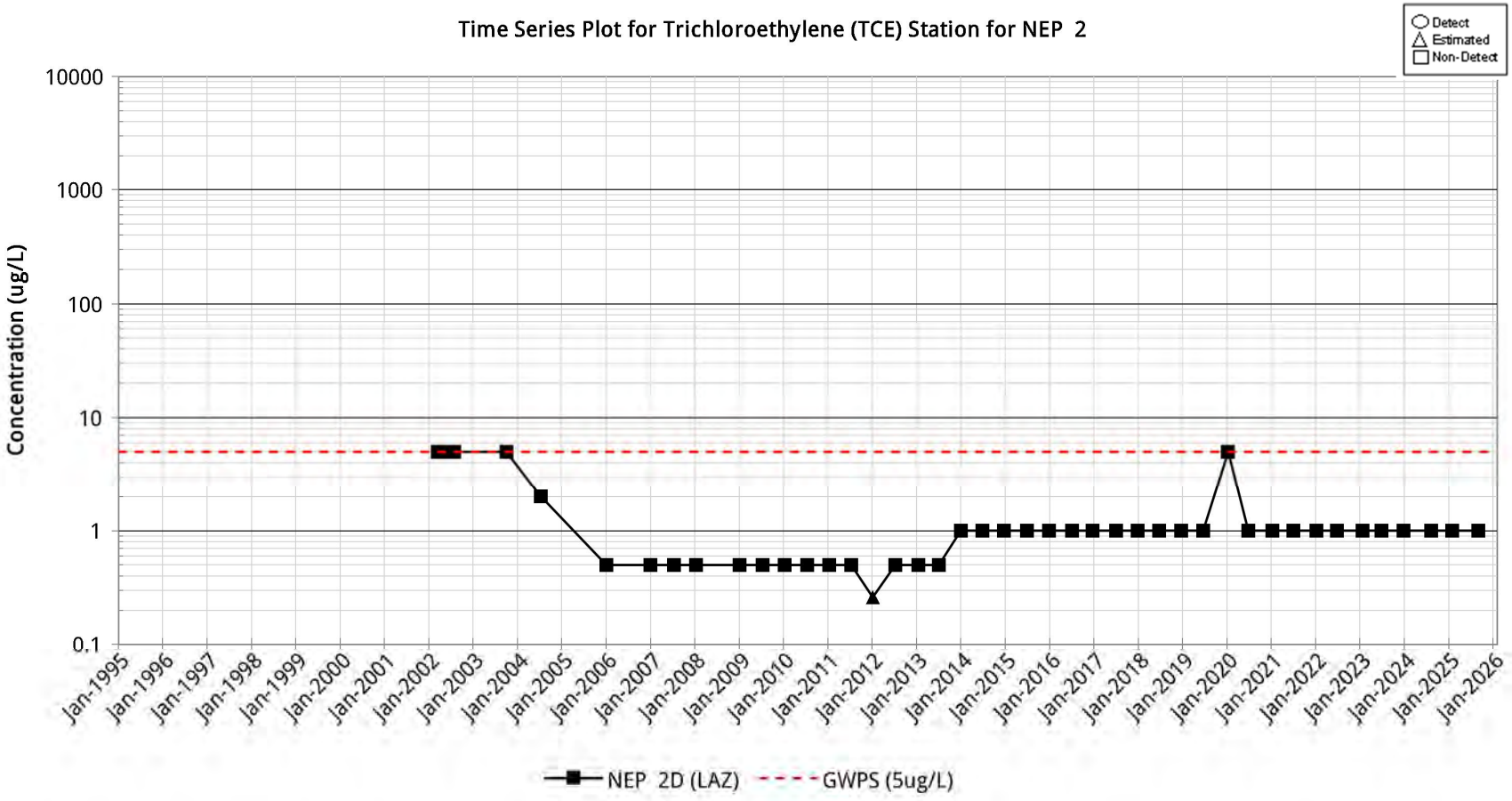
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NEP 1D (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for NEP 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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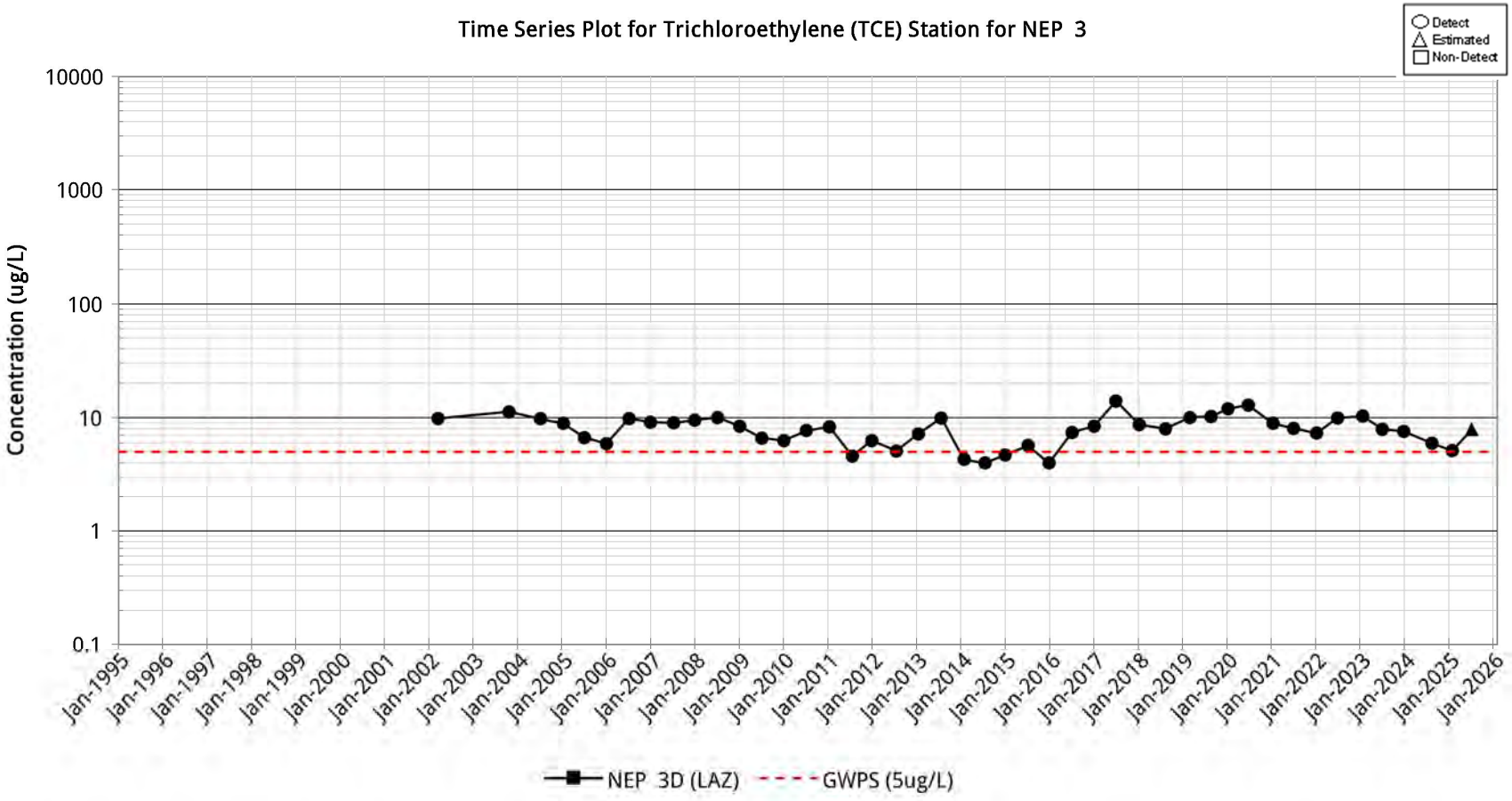
Jan-2025
Jan-2026
NEP 2D (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for NEP 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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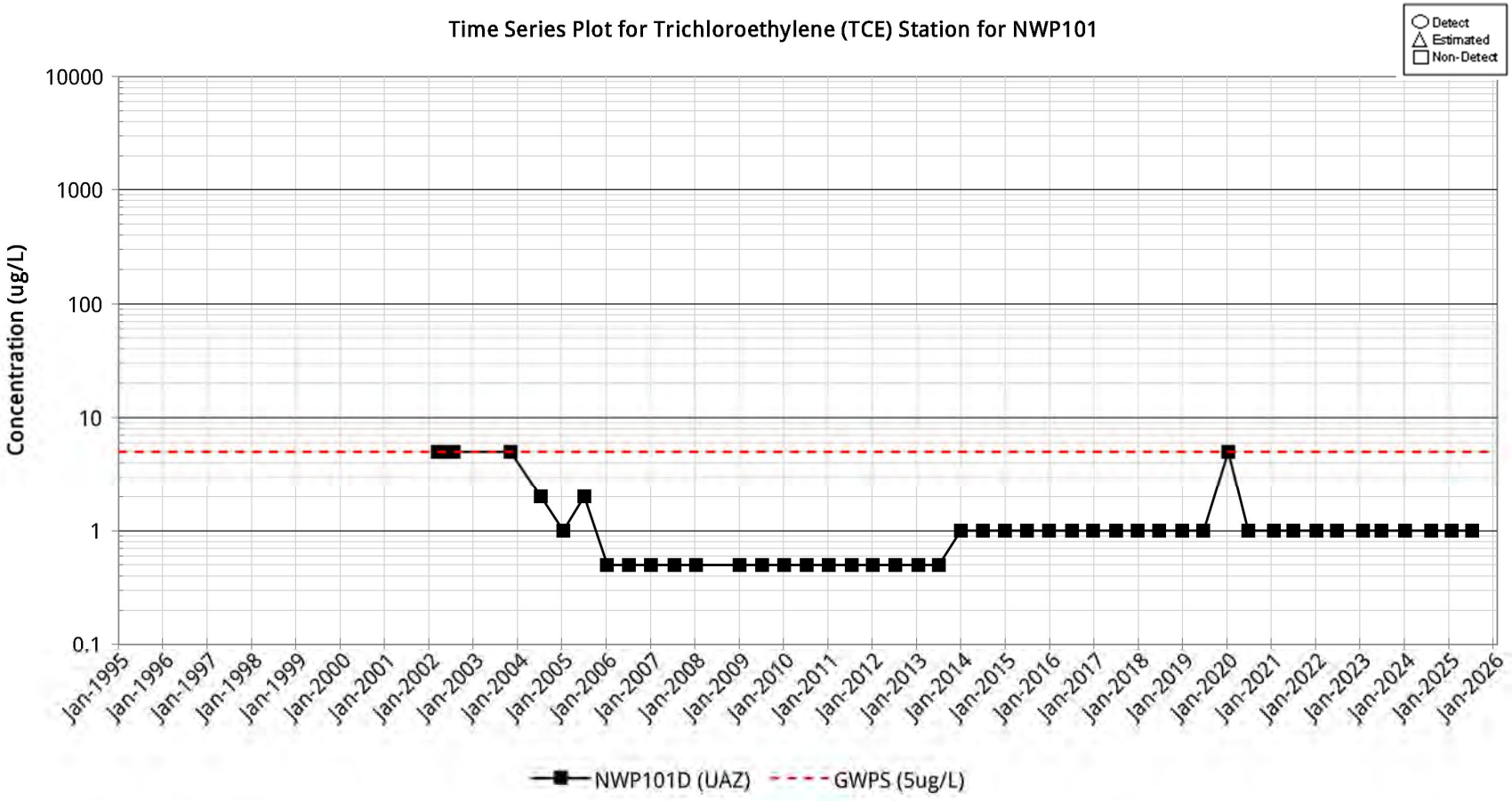
Jan-2026
NEP 3D (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for NWP101
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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Jan-2002
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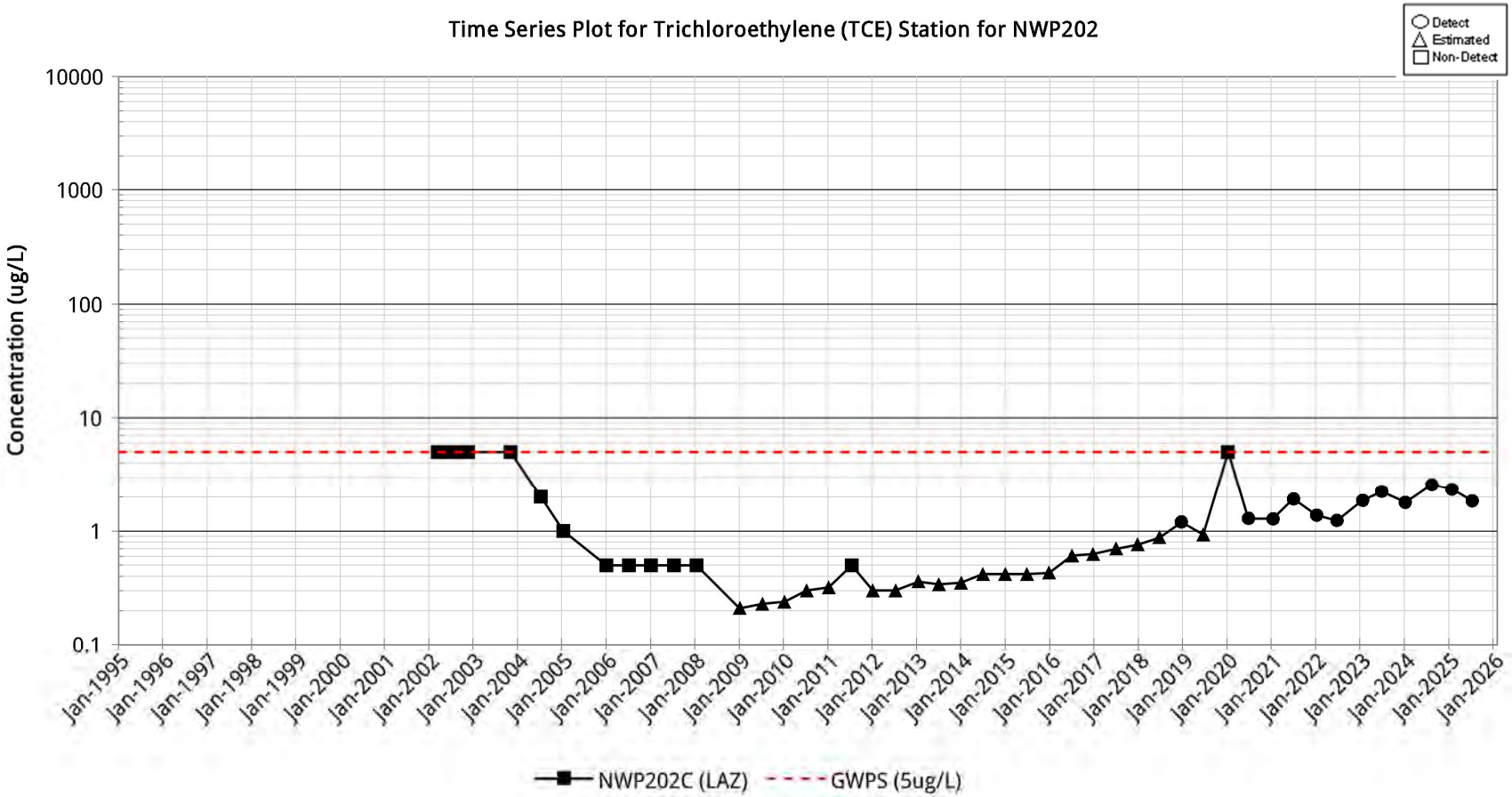
Jan-2026
NWP101D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for NWP202
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2019
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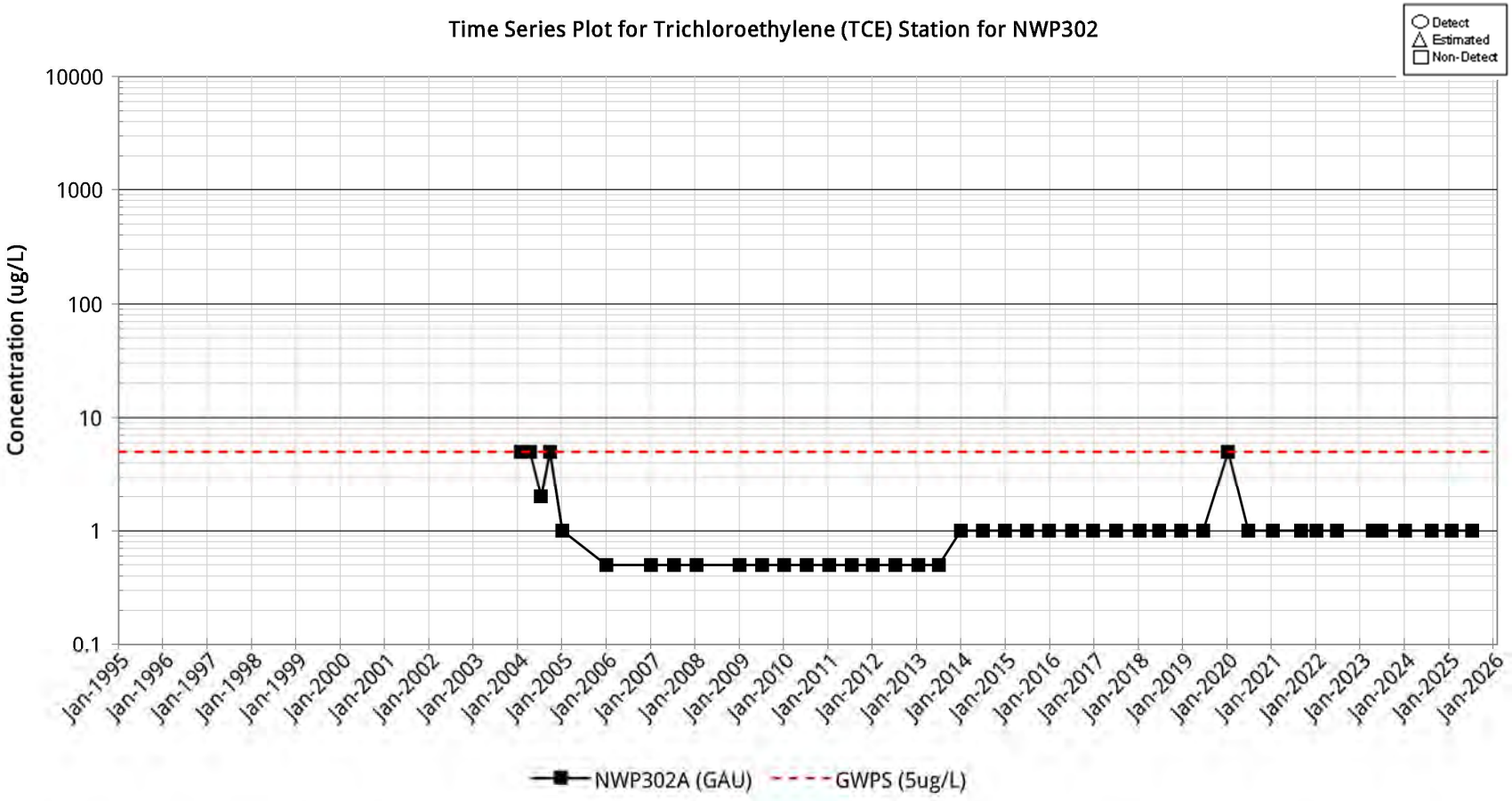
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NWP202C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for NWP302
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2023
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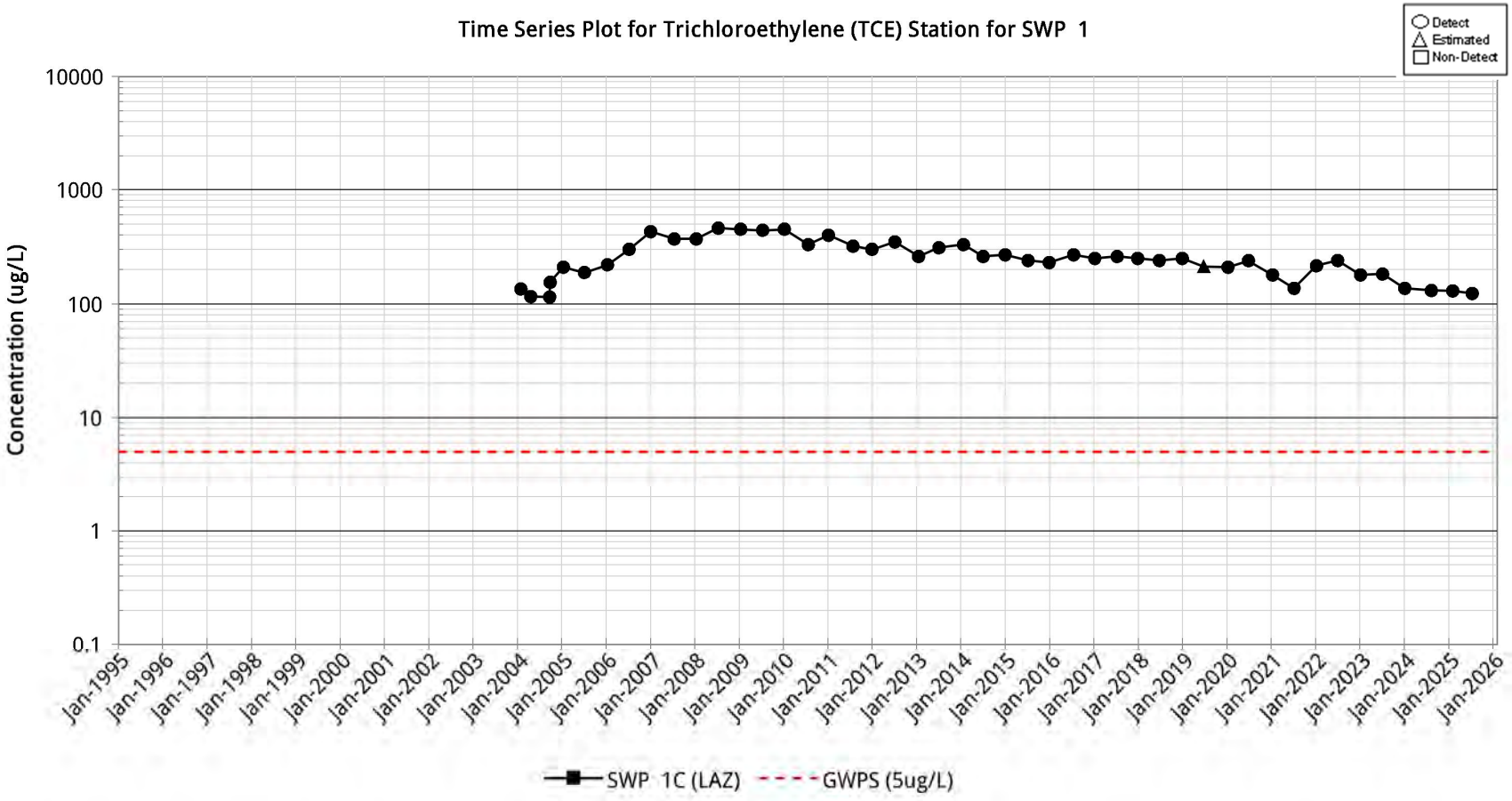
Jan-2026
NWP302A (GAU)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for SWP 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2002
Jan-2003
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Jan-2019
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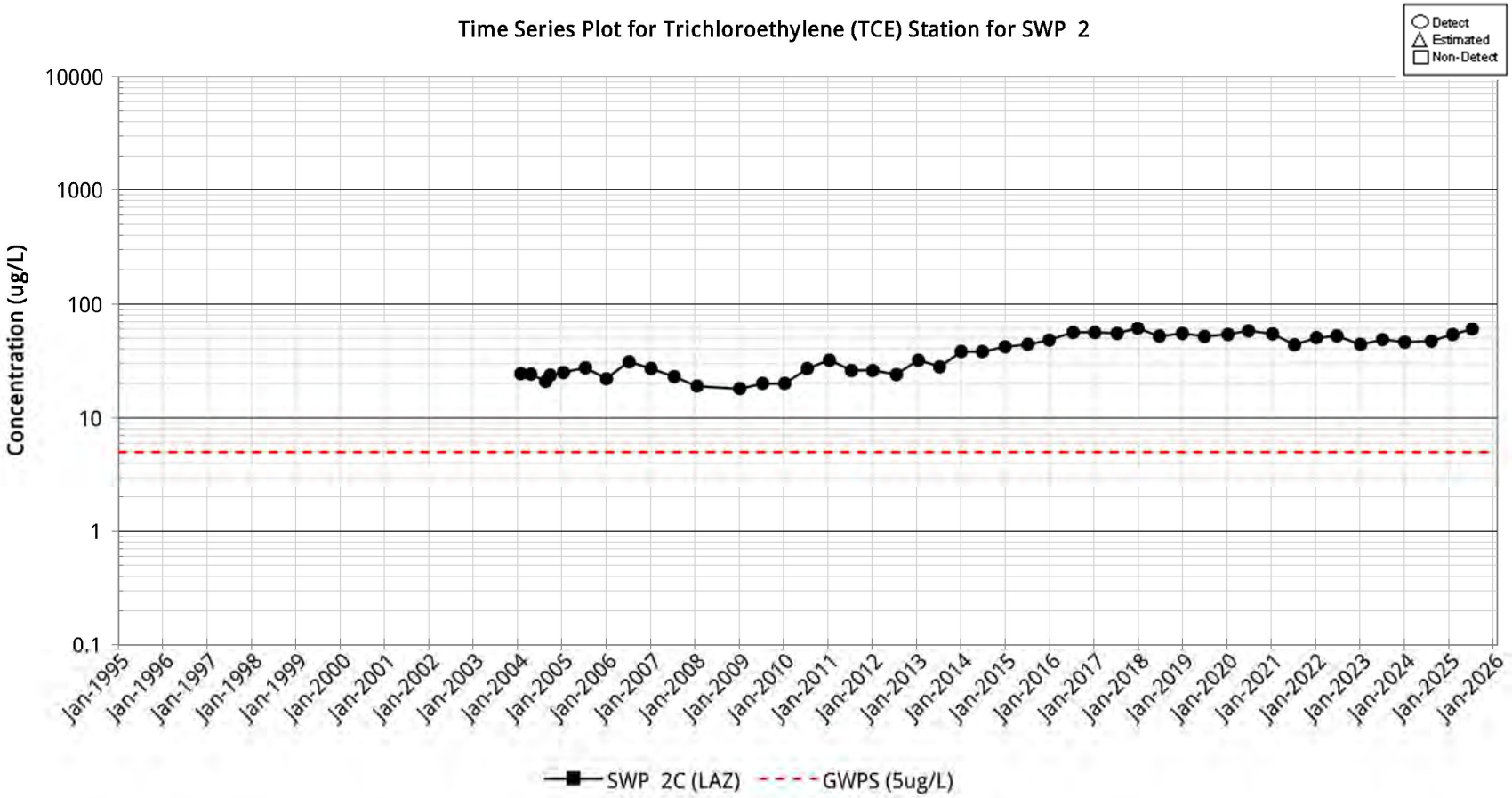
Jan-2023
Jan-2024
Jan-2025
Jan-2026
SWP 1C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for SWP 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
Jan-1996
Jan-1997
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Jan-2020
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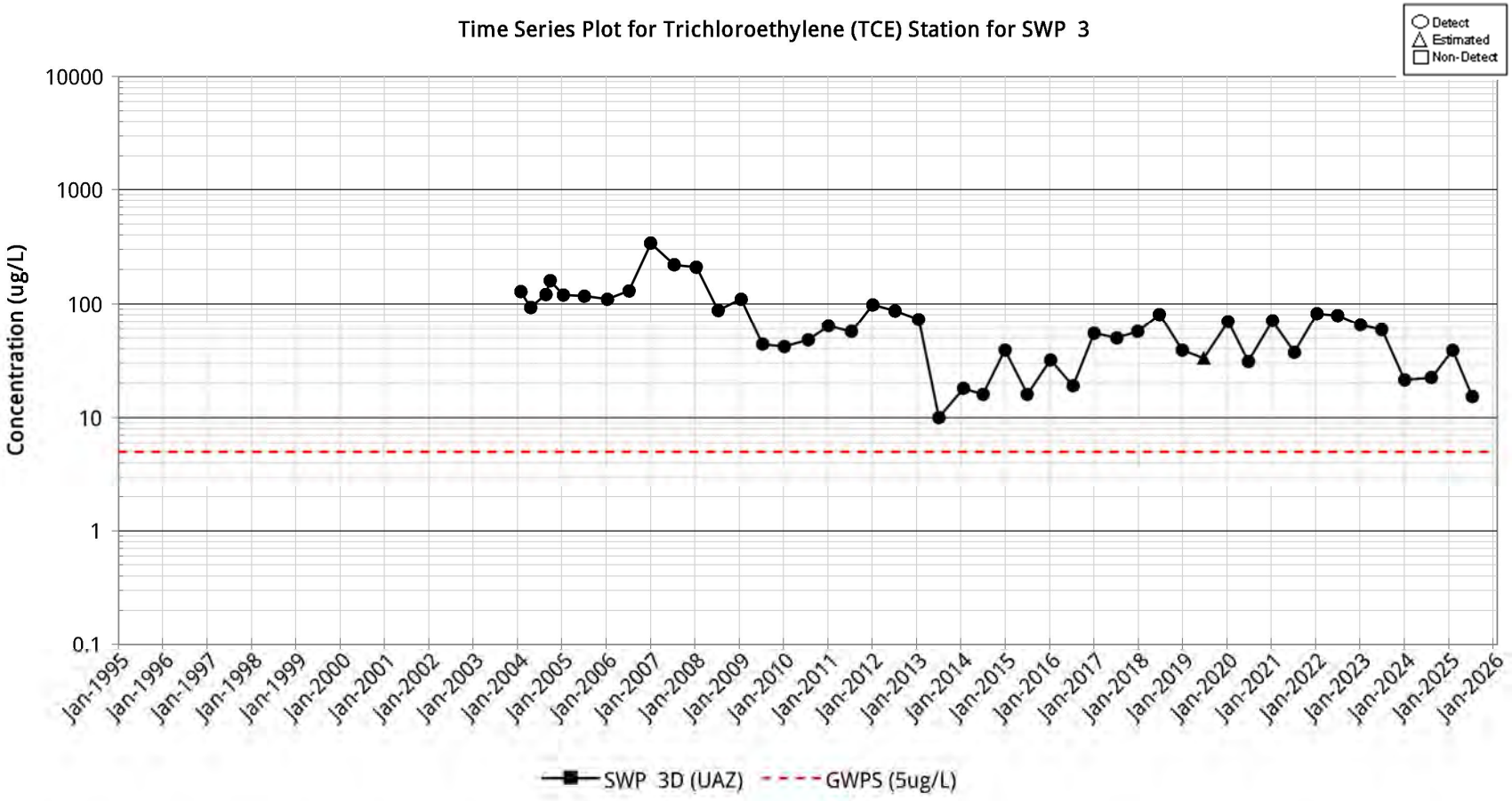
Jan-2026
SWP 2C (LAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for SWP 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
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Jan-2019
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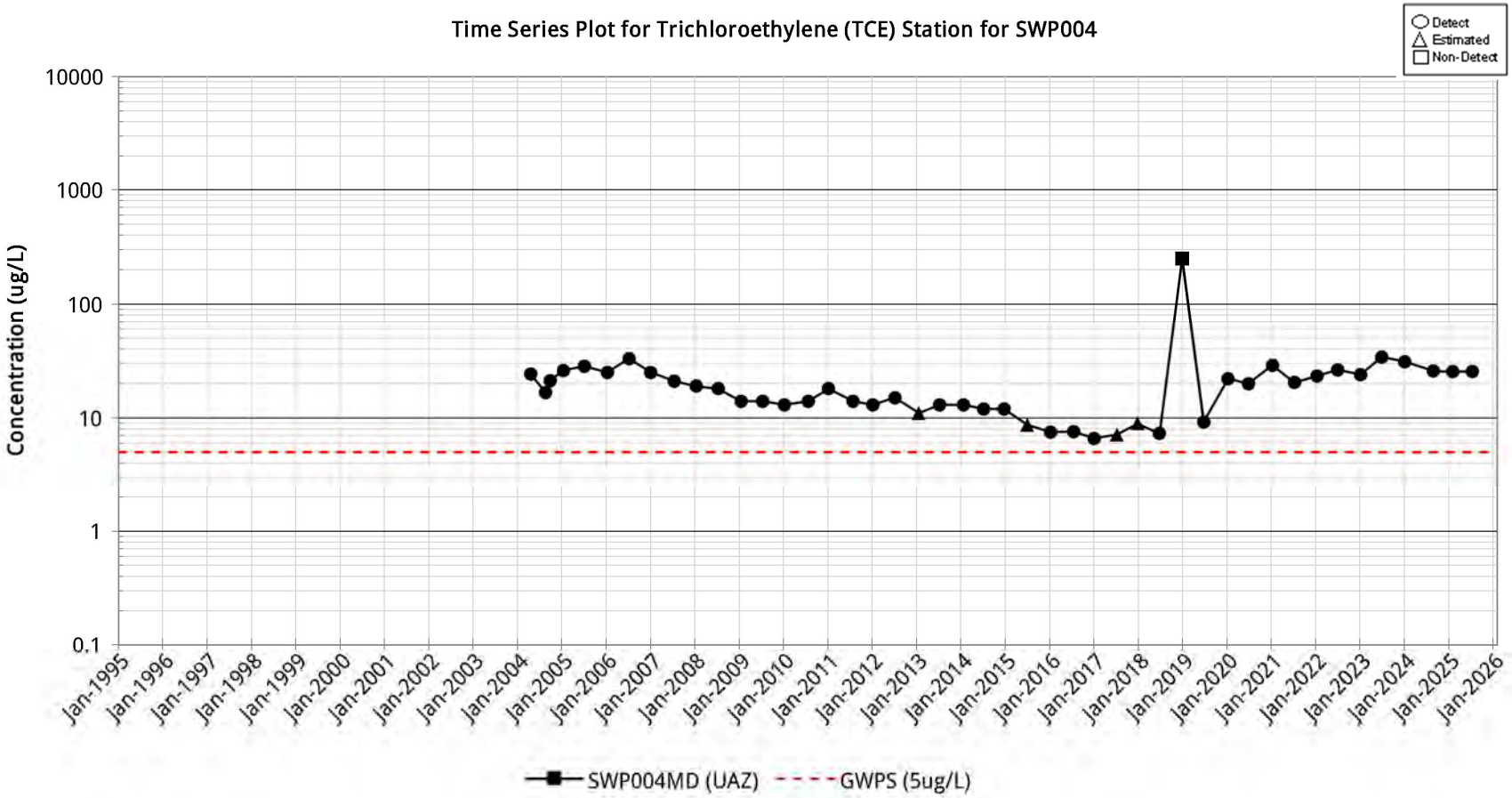
Jan-2026
SWP 3D (UAZ)
GWPS (5ug/L)


Time Series Plot for Trichloroethylene (TCE) Station for SWP004
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-1995
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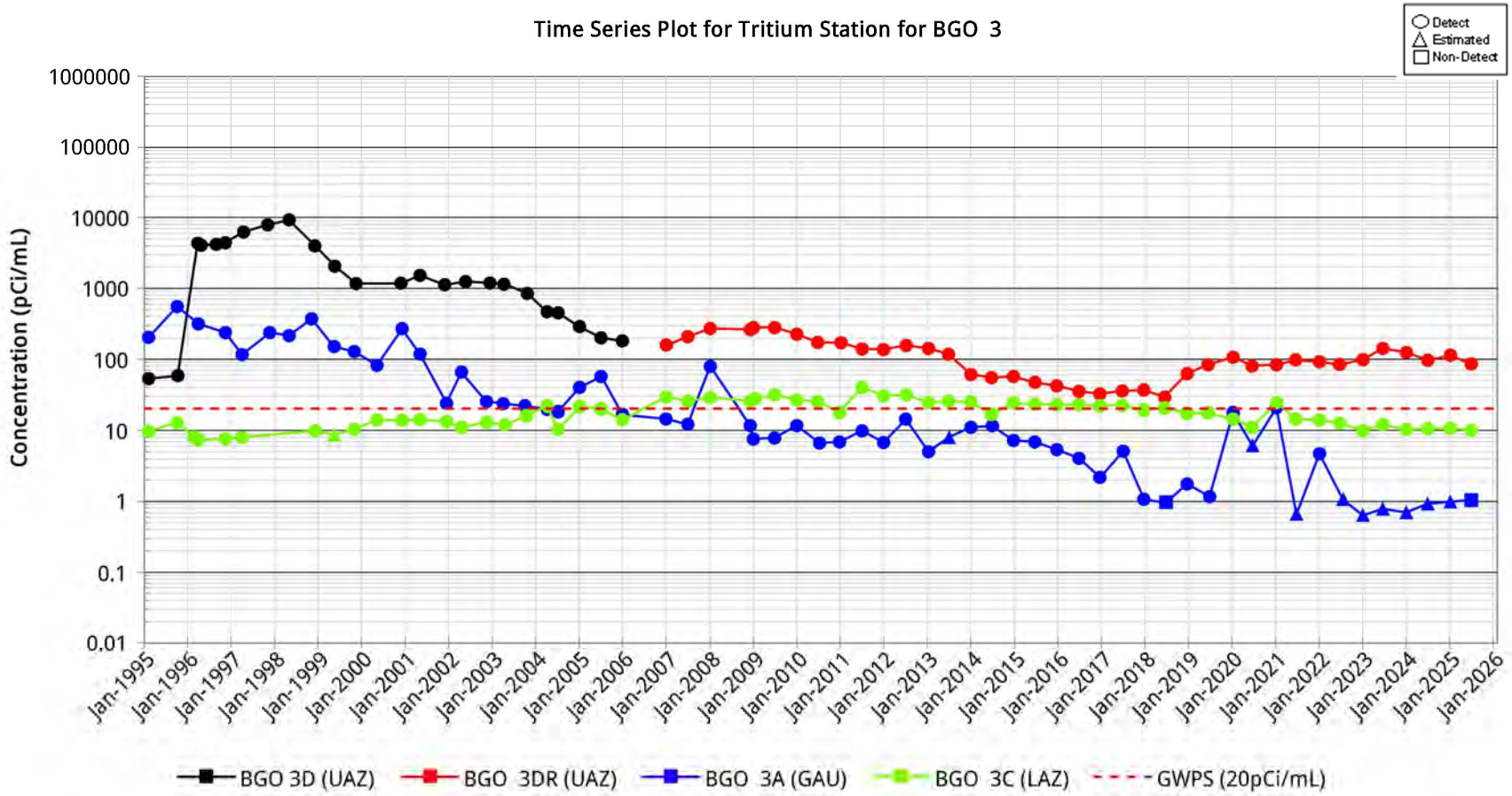
SWP004MD (UAZ)
GWPS (5ug/L)


Time Series Plot for Tritium Station for BGO 3
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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Jan-2024
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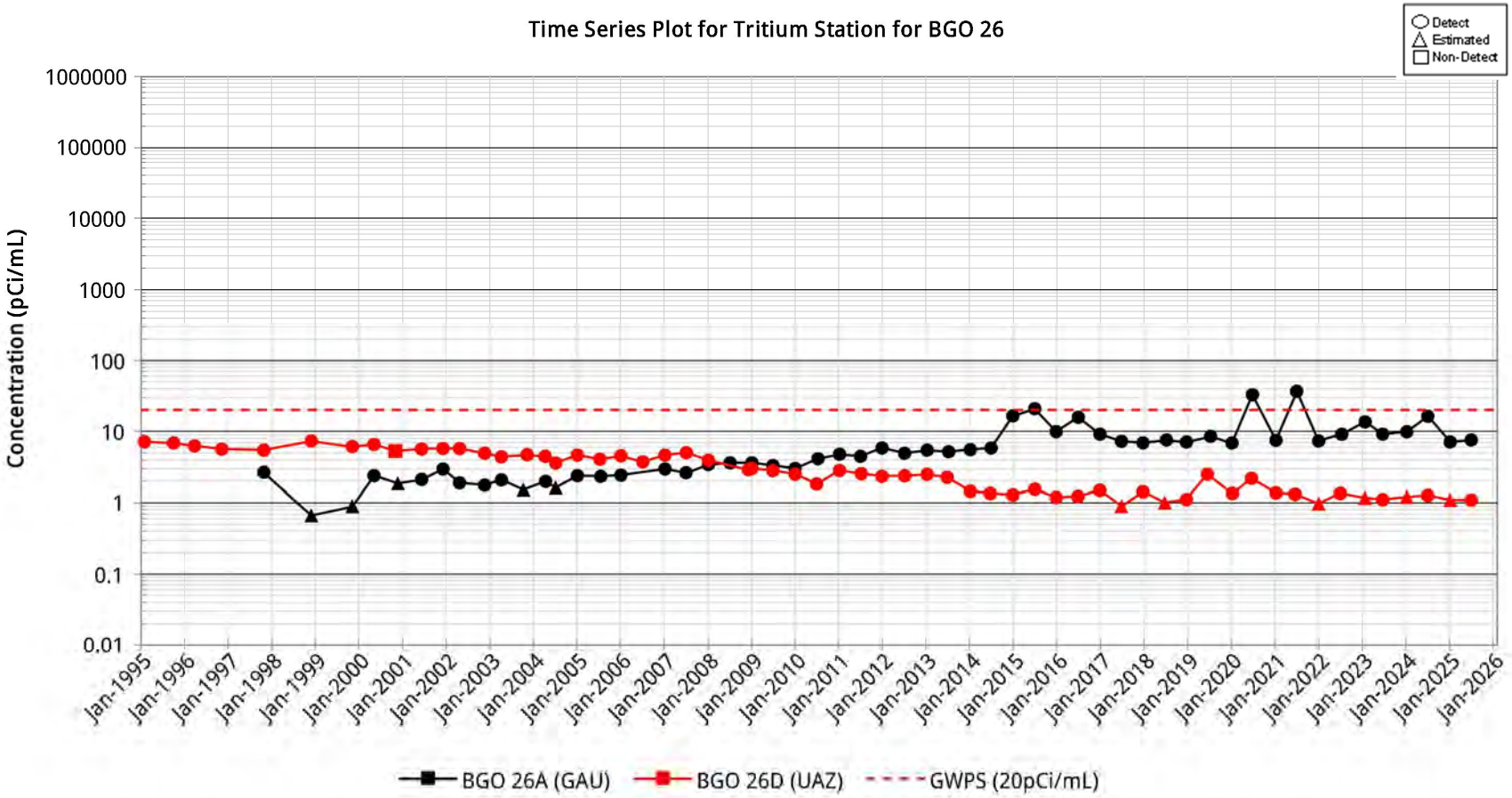
Jan-2026
BGO 3D (UAZ)
BGO 3DR (UAZ)
BGO 3A (GAU)
BGO 3C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 26
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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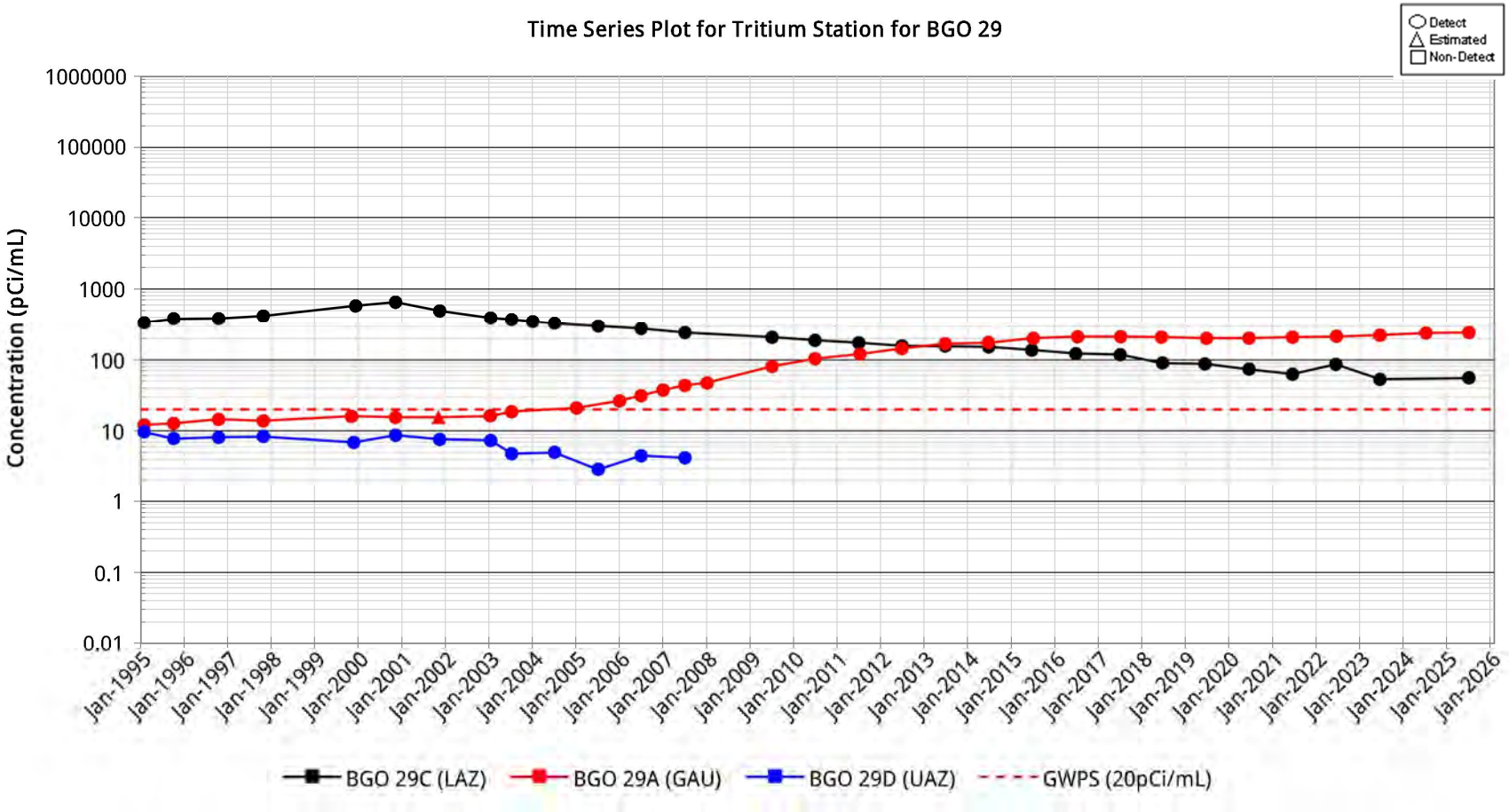
Jan-2025
Jan-2026
BGO 26A (GAU)
BGO 26D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 29
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2023
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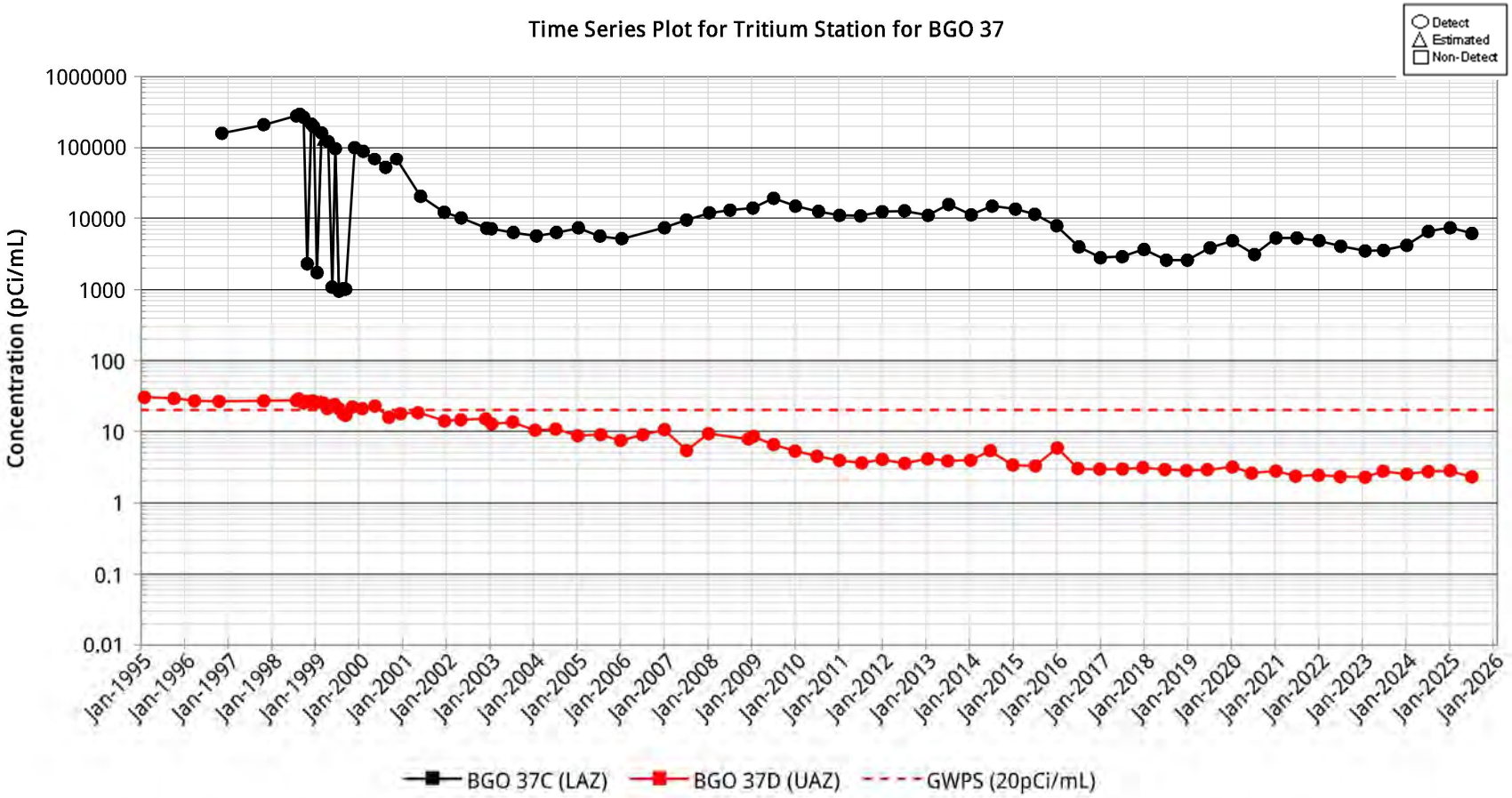
Jan-2025
Jan-2026
BGO 29C (LAZ)
BGO 29A (GAU)
BGO 29D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 37
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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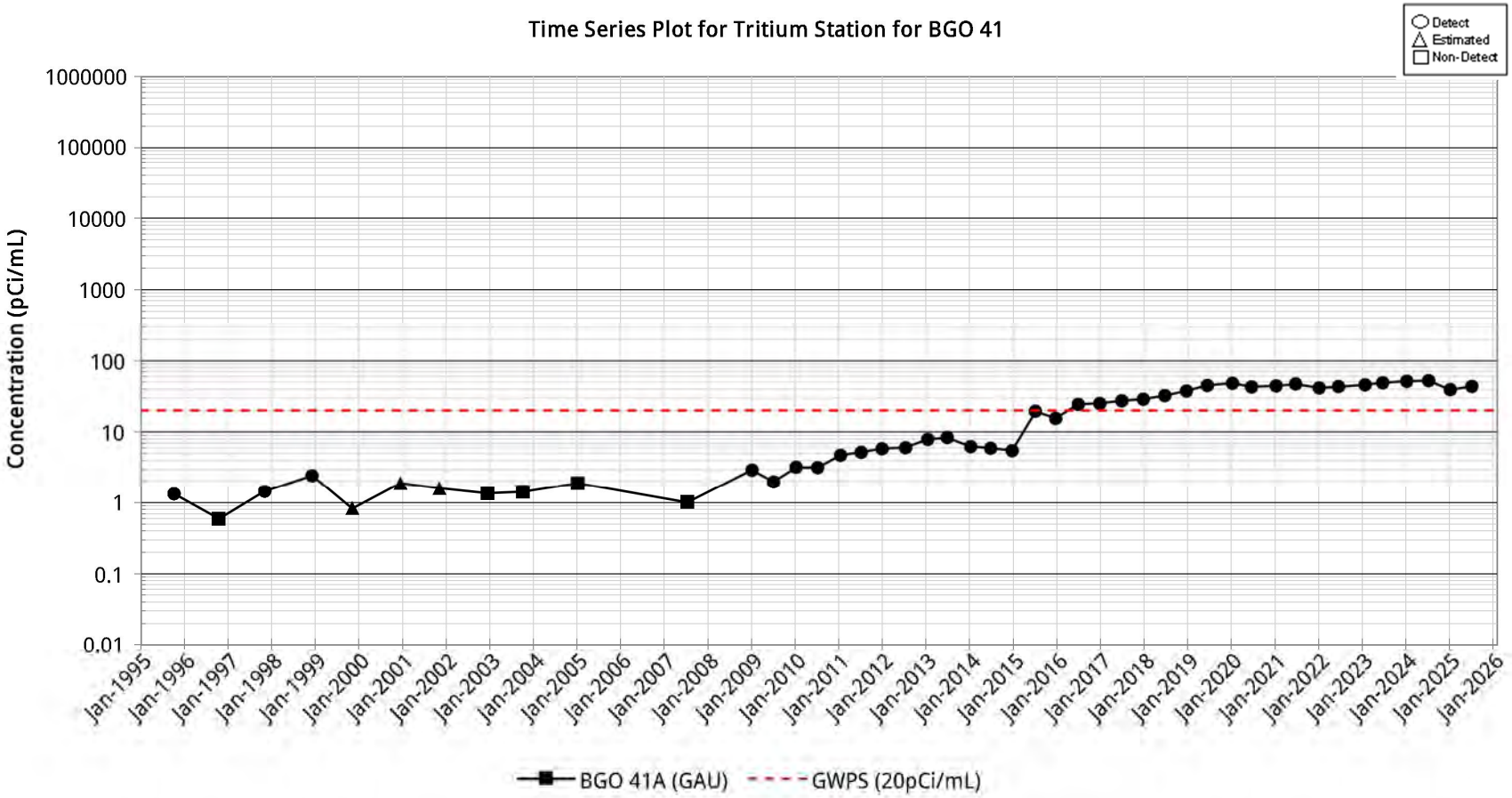
Jan-2024
Jan-2025
Jan-2026
BGO 37C (LAZ)
BGO 37D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 41
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2023
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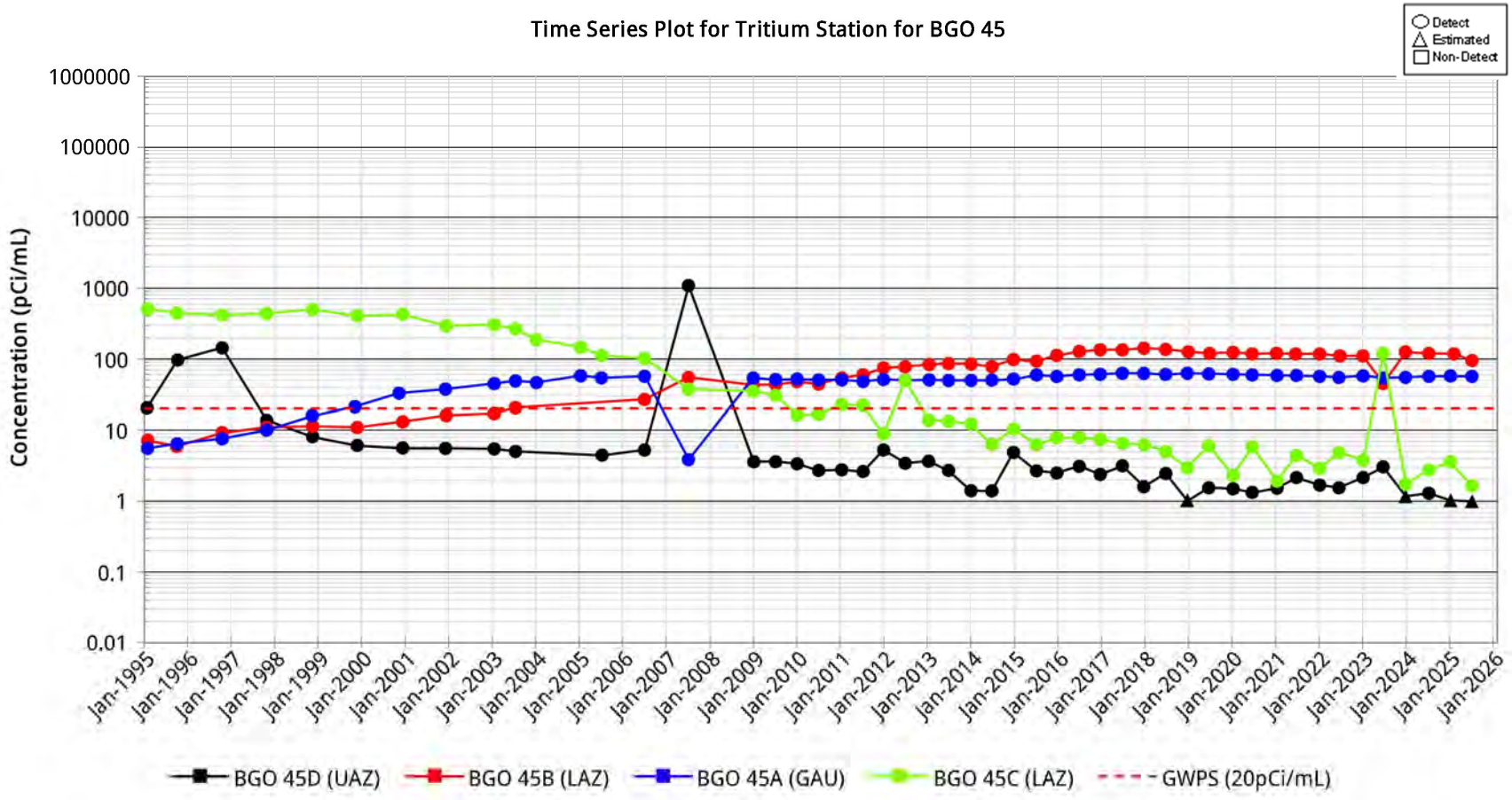
Jan-2025
Jan-2026
BGO 41A (GAU)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 45
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2000
Jan-2001
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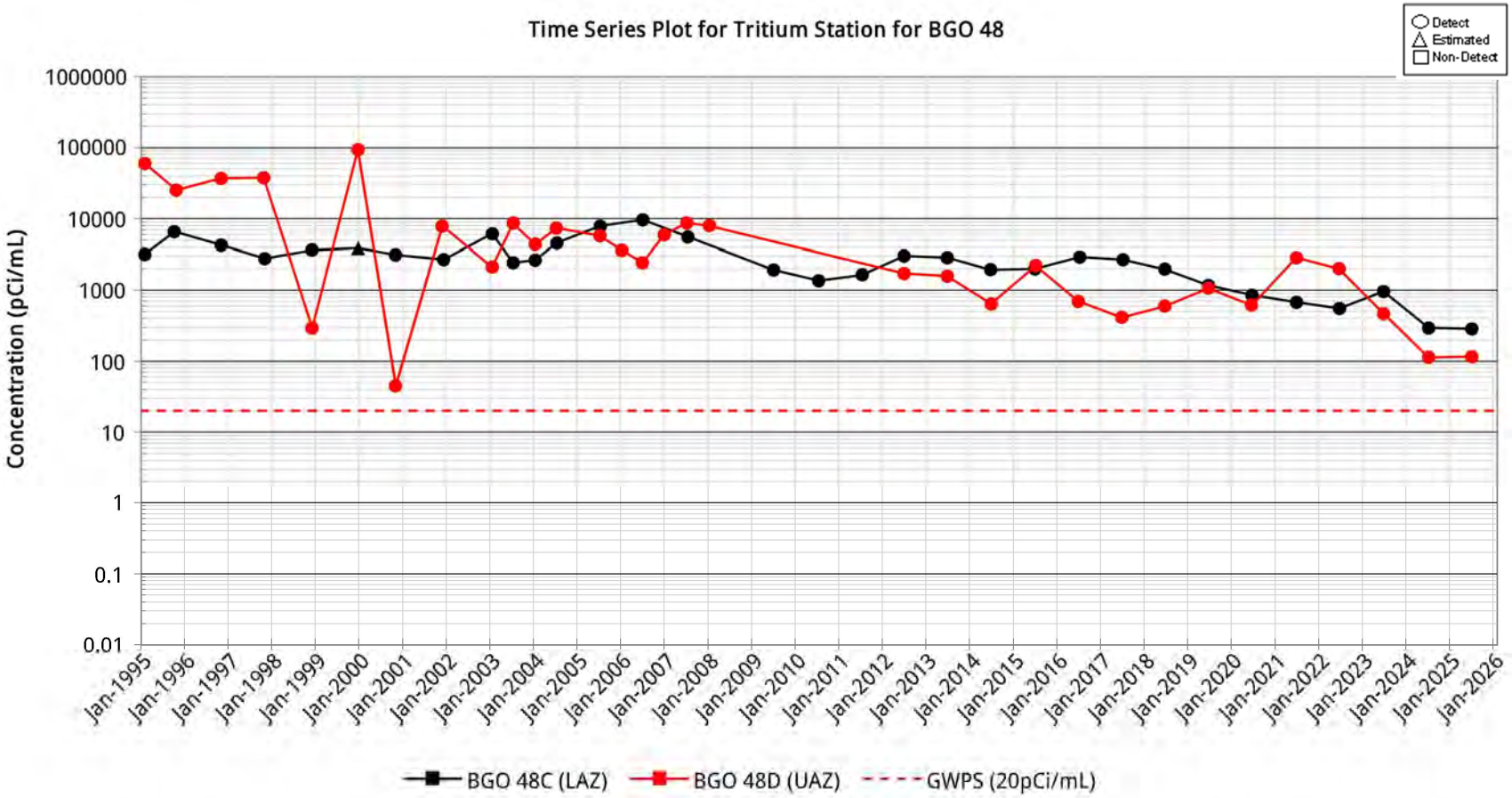
Jan-2026
BGO 45D (UAZ)
BGO 45B (LAZ)
BGO 45A (GAU)
BGO 45C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 48
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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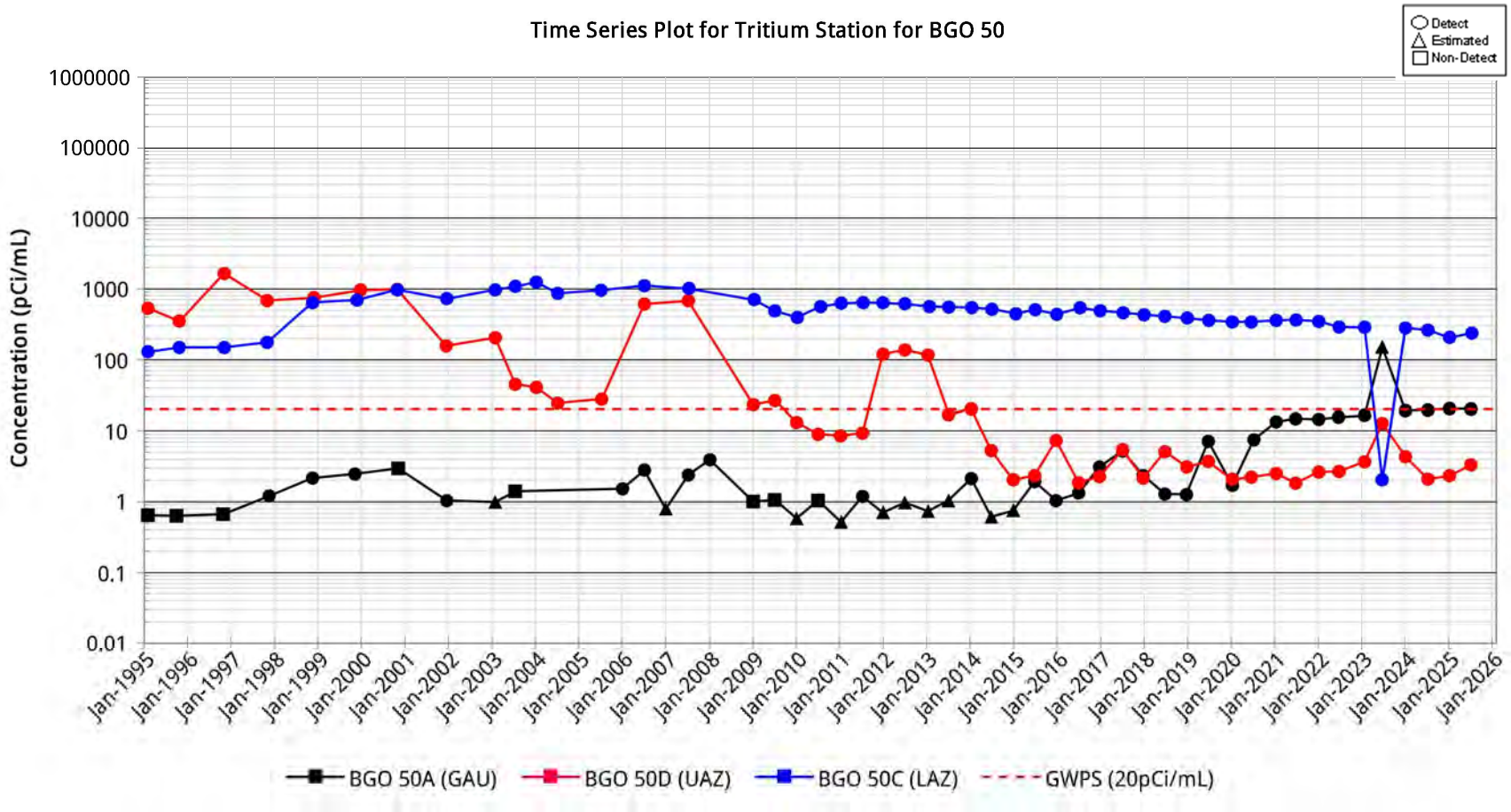
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 48C (LAZ)
BGO 48D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 50
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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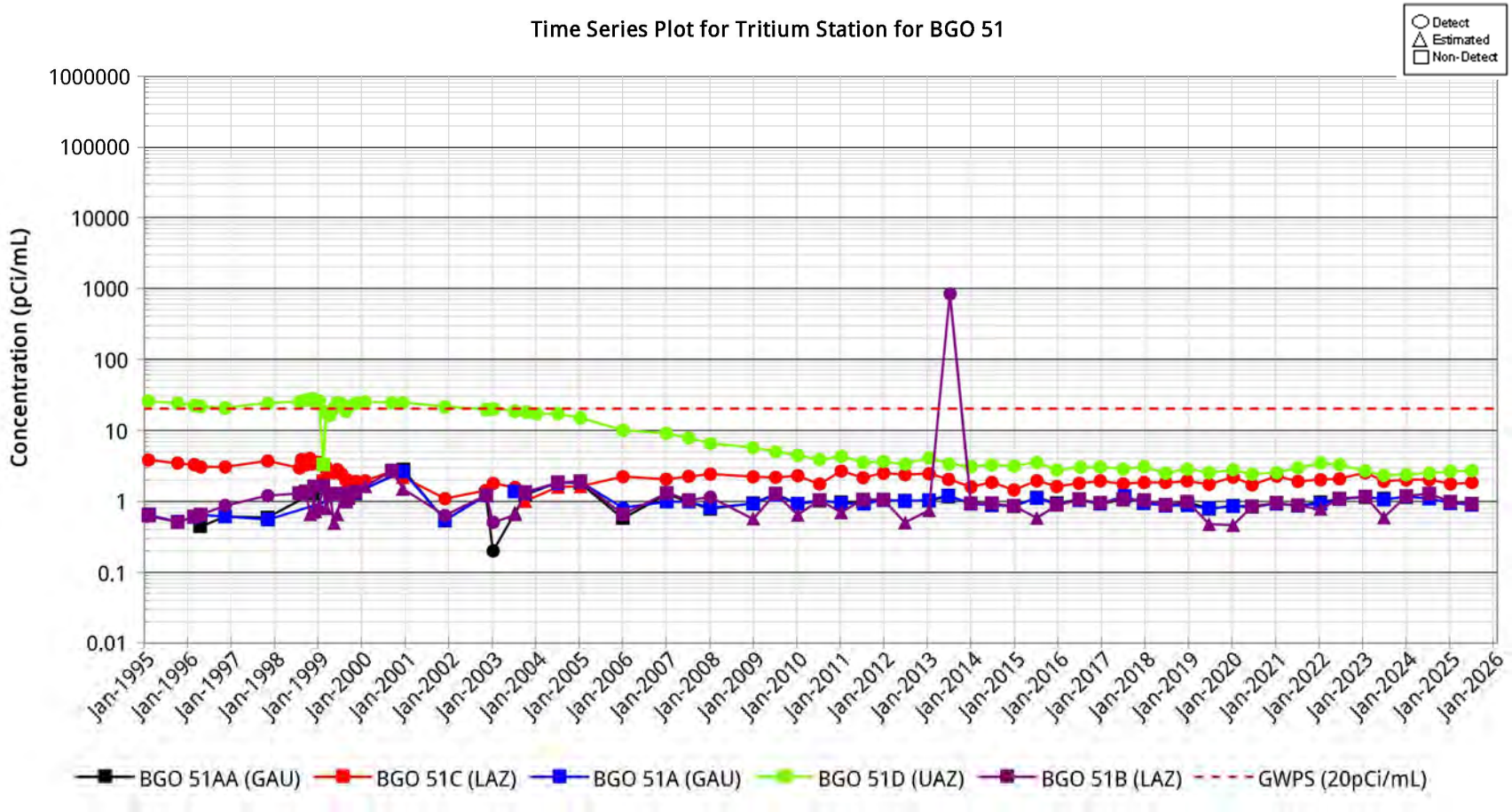
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 50A (GAU)
BGO 50D (UAZ)
BGO 50C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGO 51
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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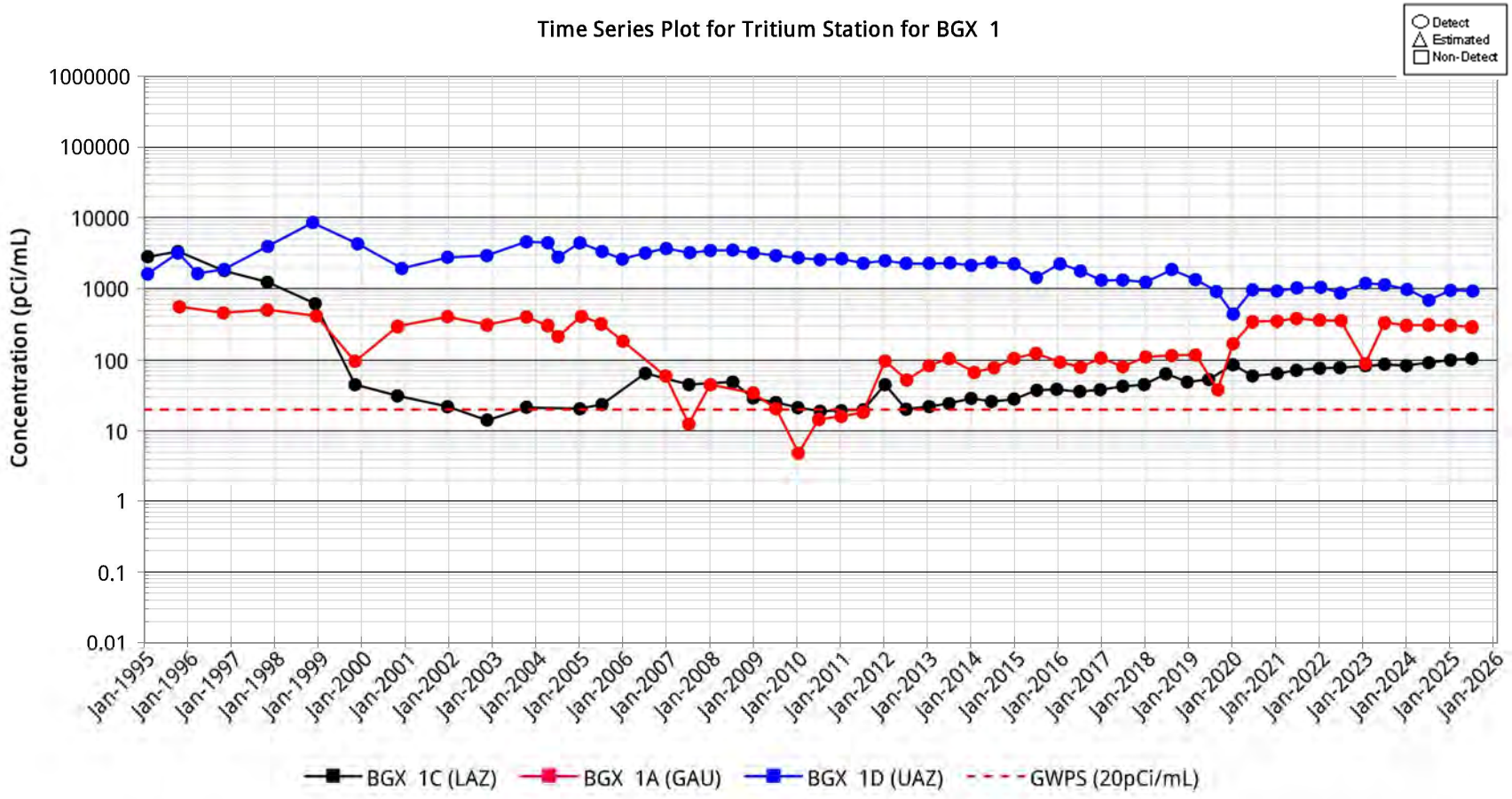
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGO 51AA (GAU)
BGO 51C (LAZ)
BGO 51A (GAU)
BGO 51D (UAZ)
BGO 51B (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BGX 1
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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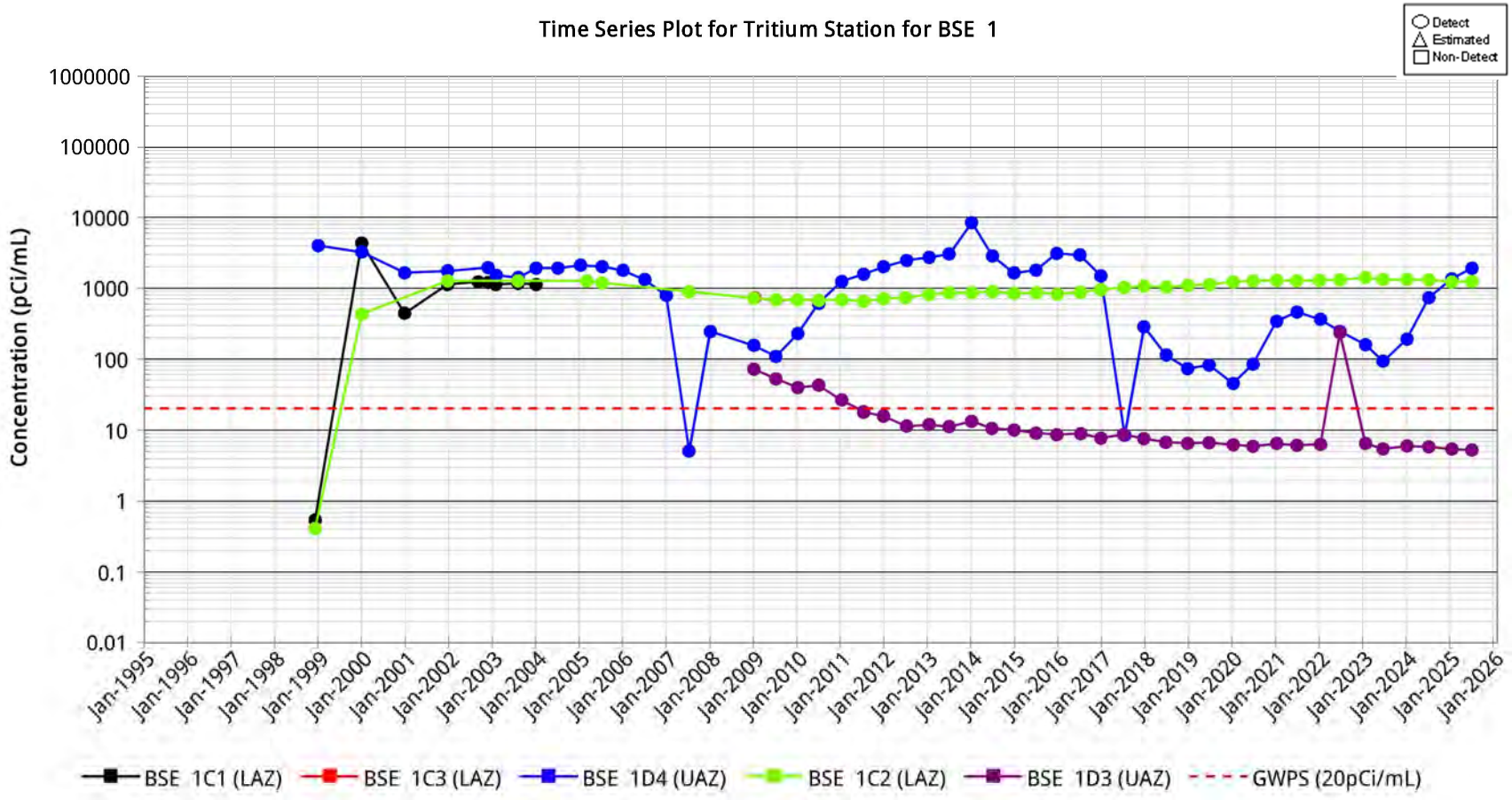
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BGX 1C (LAZ)
BGX 1A (GAU)
BGX 1D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BSE 1
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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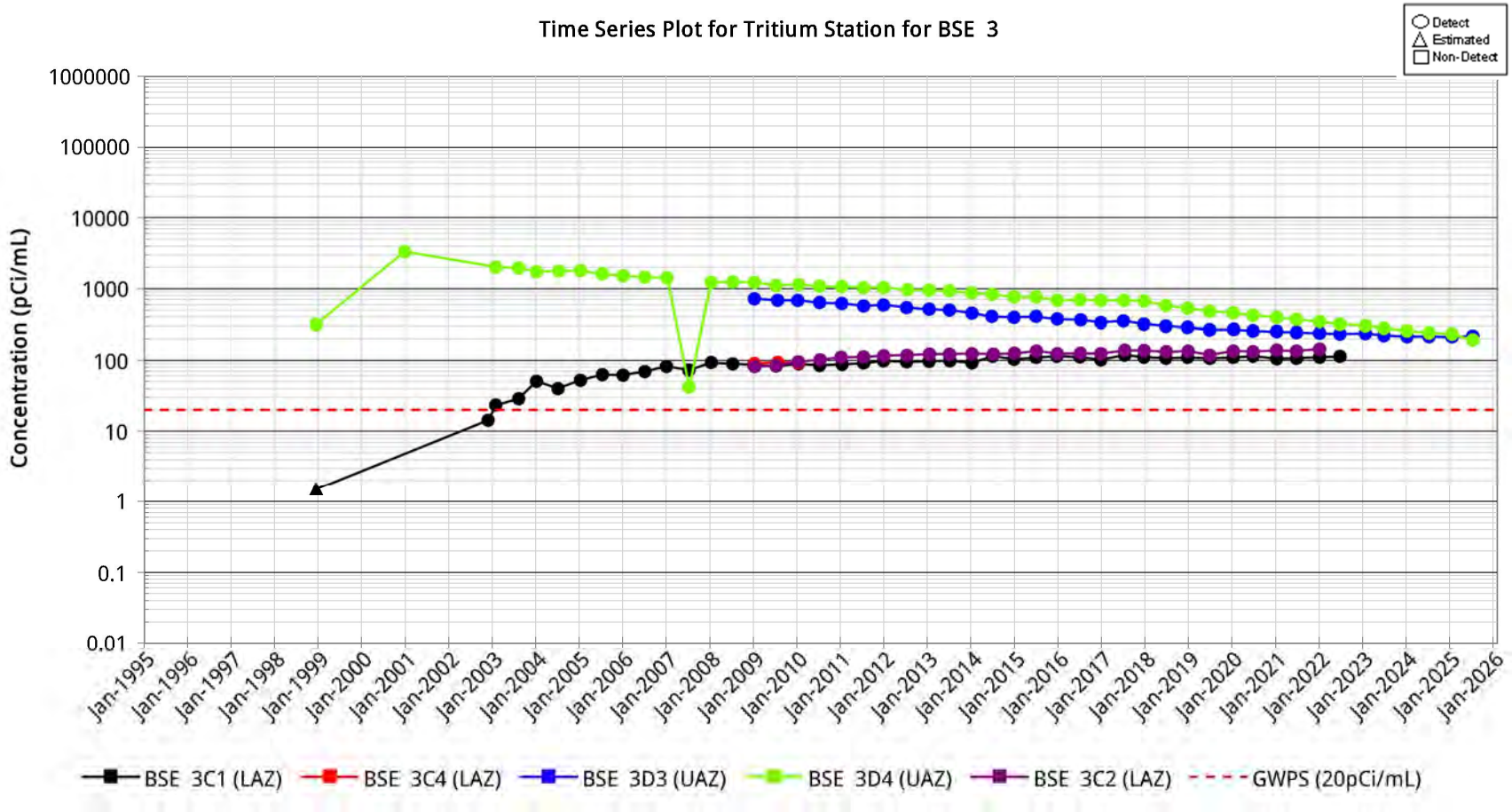
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSE 1C1 (LAZ)
BSE 1C3 (LAZ)
BSE 1D4 (UAZ)
BSE 1C2 (LAZ)
BSE 1D3 (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BSE 3
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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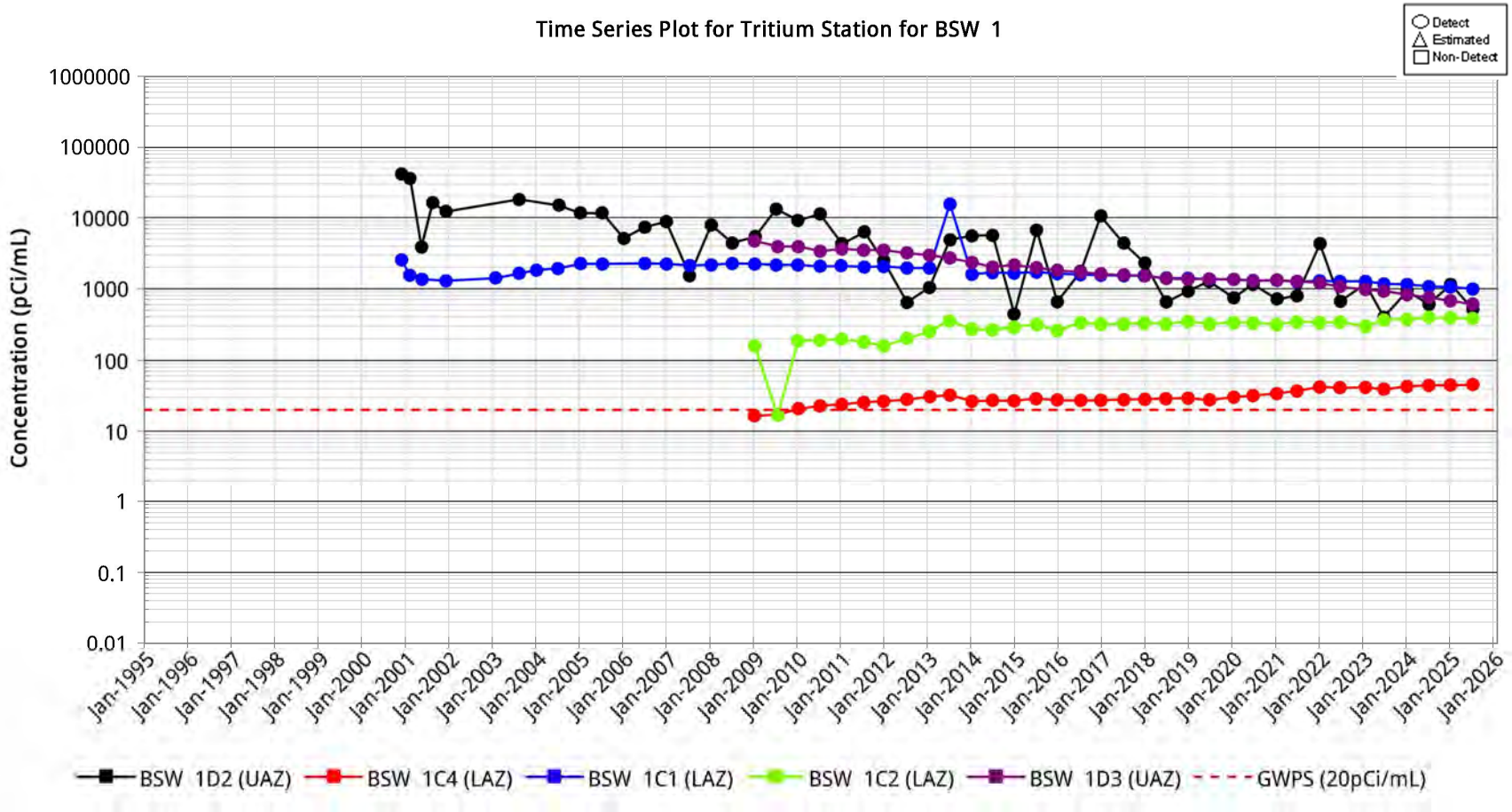
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSE 3C1 (LAZ)
BSE 3C4 (LAZ)
BSE 3D3 (UAZ)
BSE 3D4 (UAZ)
BSE 3C2 (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BSW 1
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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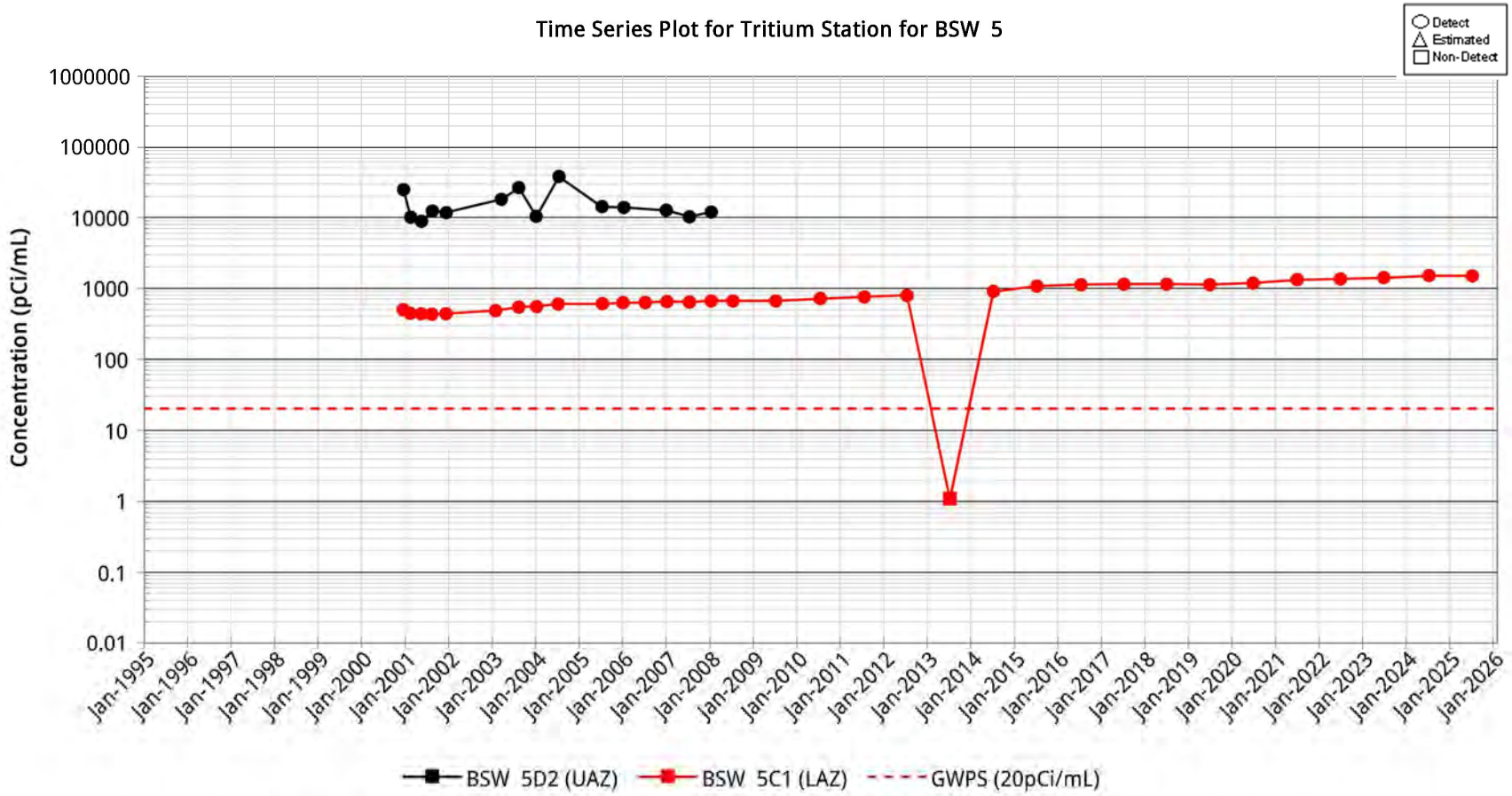
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSW 1D2 (UAZ)
BSW 1C4 (LAZ)
BSW 1C1 (LAZ)
BSW 1C2 (LAZ)
BSW 1D3 (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BSW 5
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-1999
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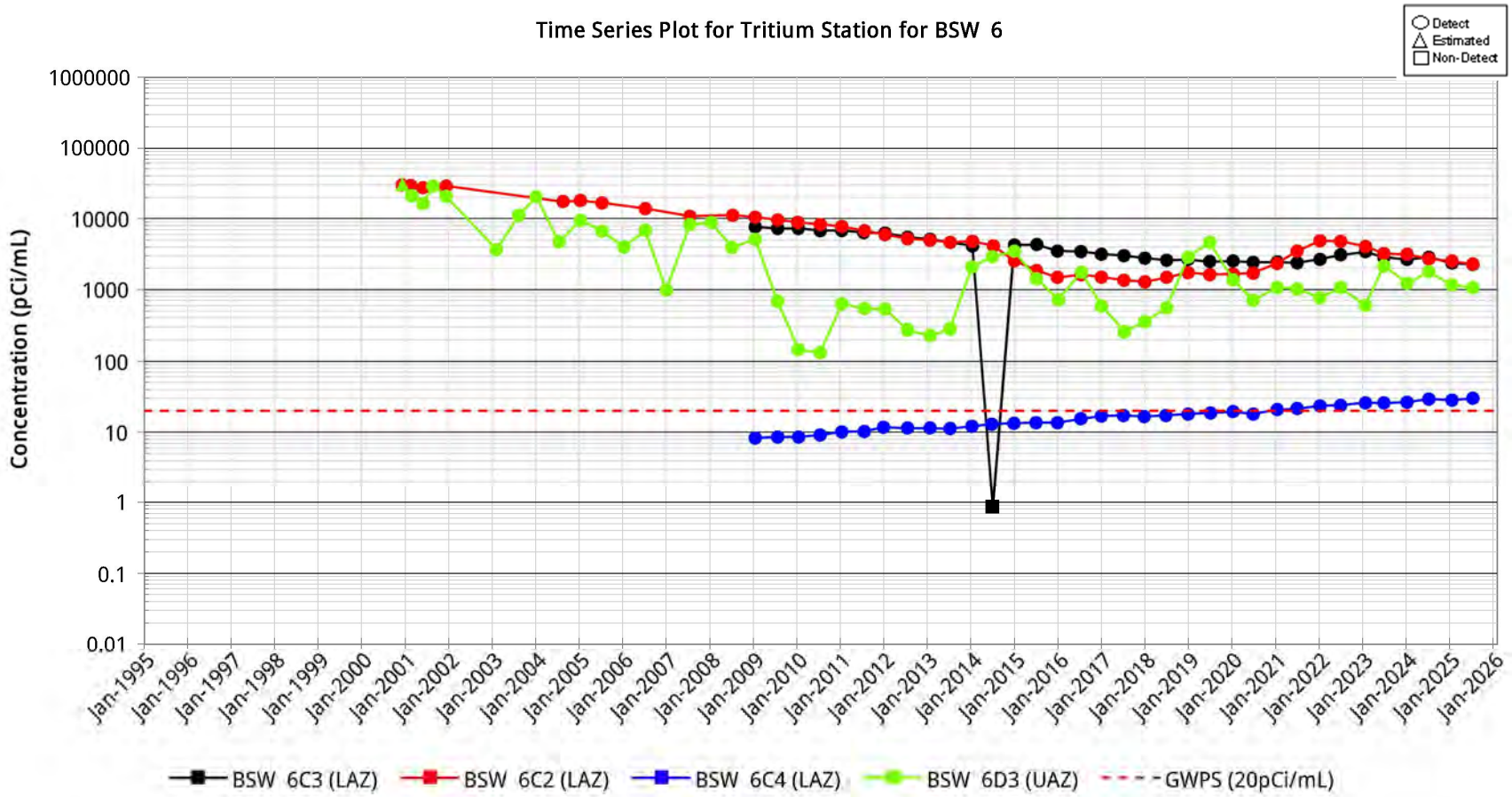
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSW 5D2 (UAZ)
BSW 5C1 (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BSW 6
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-1999
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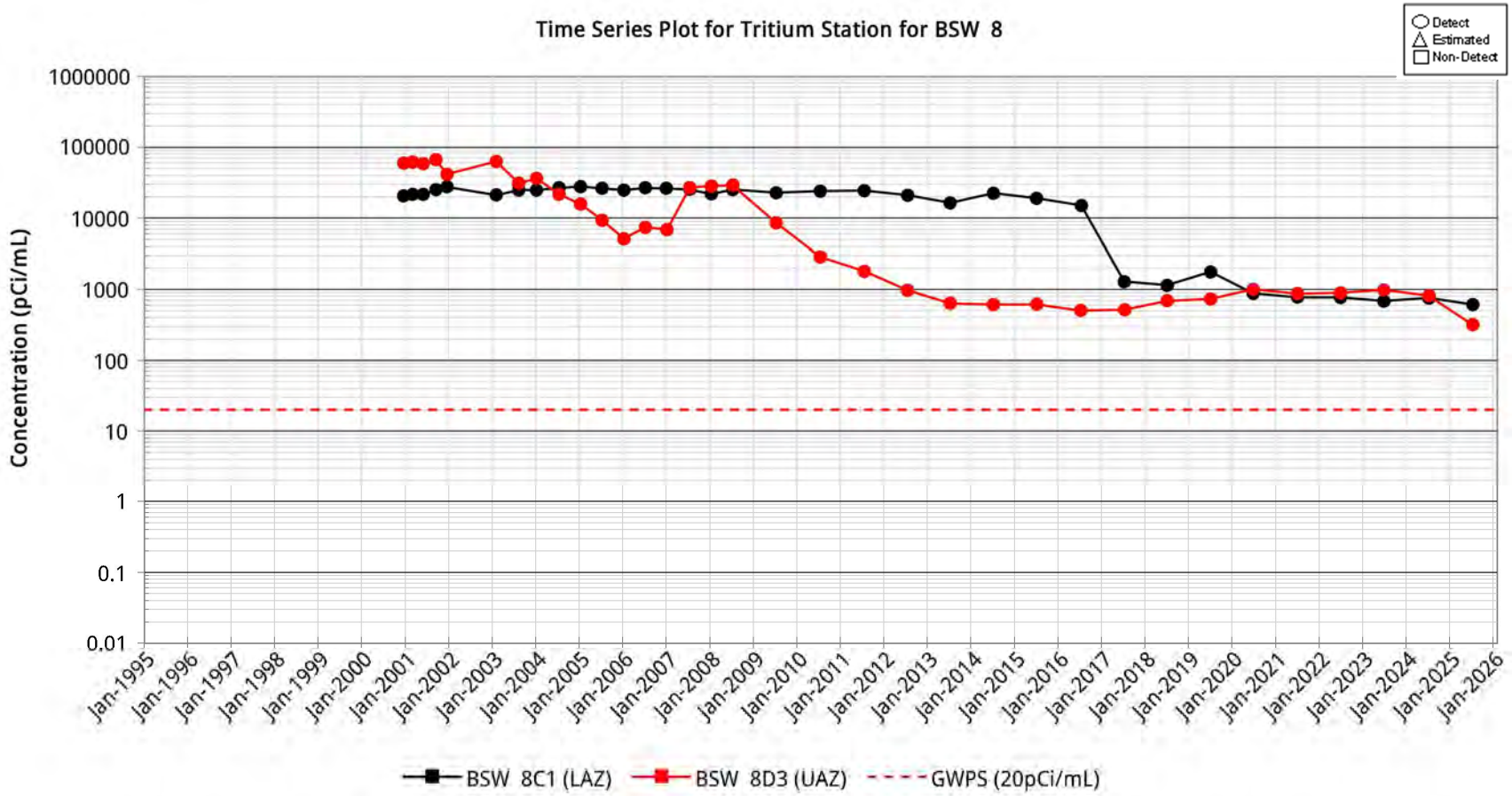
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSW 6C3 (LAZ)
BSW 6C2 (LAZ)
BSW 6C4 (LAZ)
BSW 6D3 (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for BSW 8
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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Jan-1997
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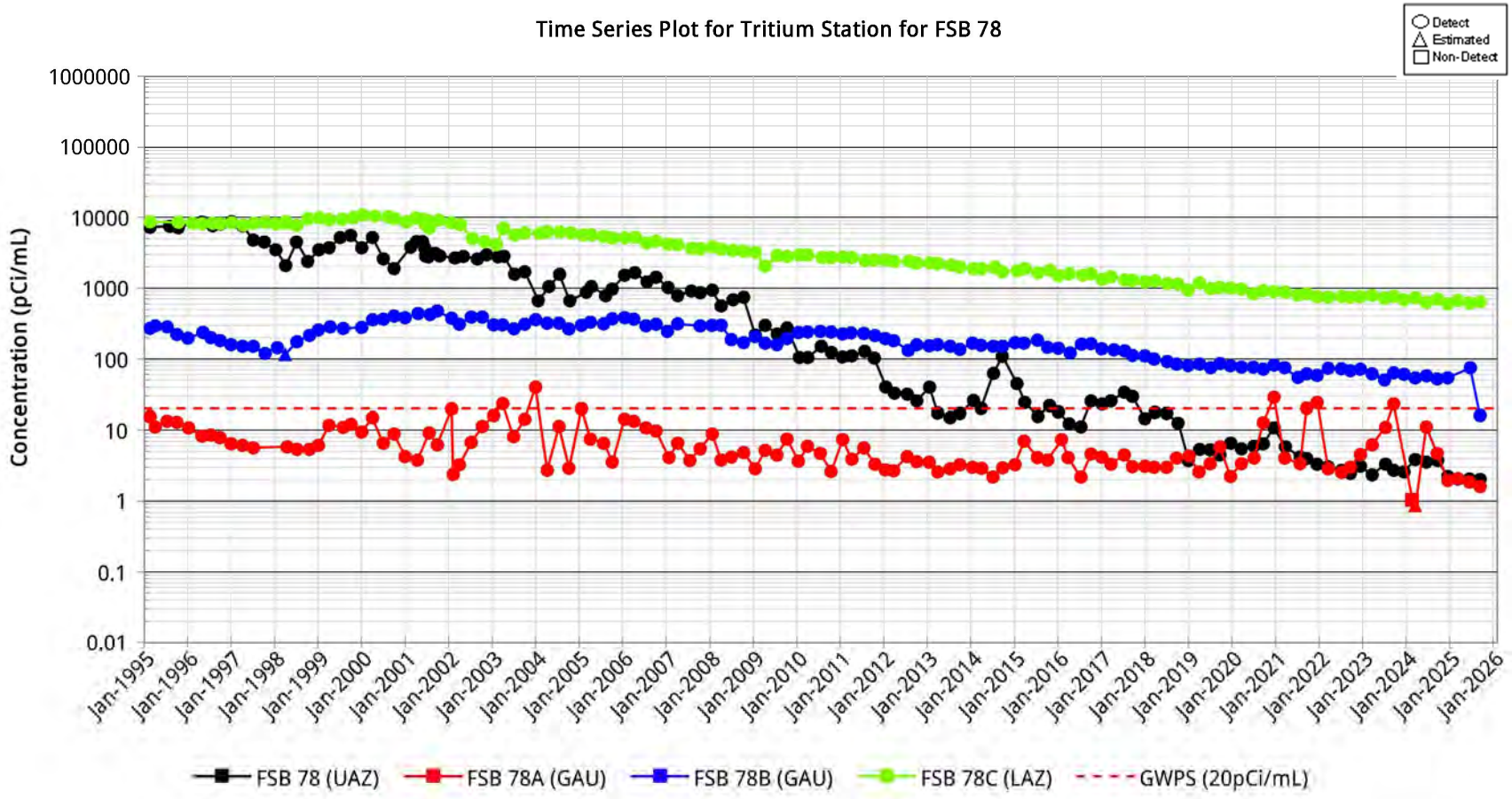
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
BSW 8C1 (LAZ)
BSW 8D3 (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-2000
Jan-2001
Jan-2002
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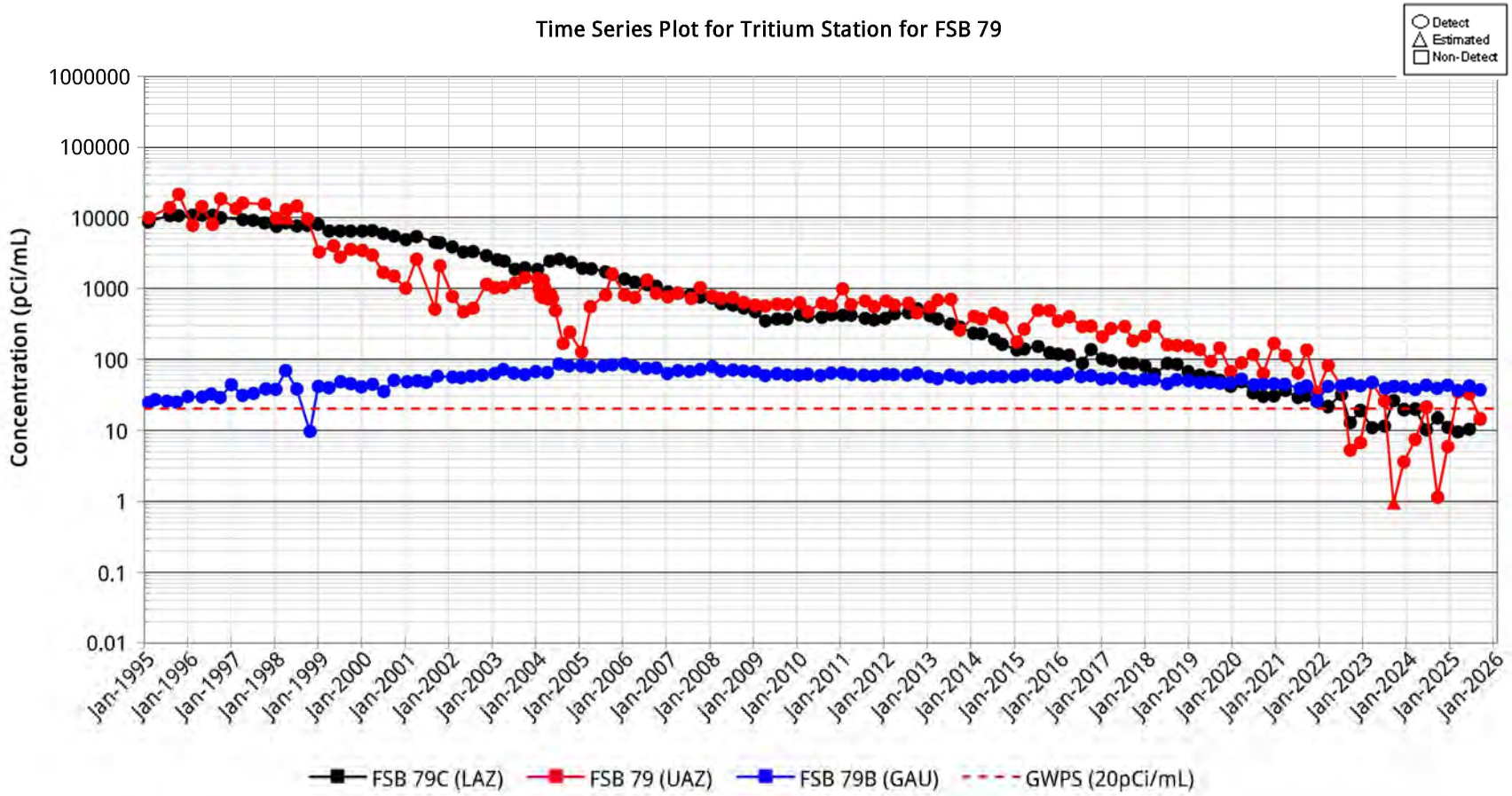
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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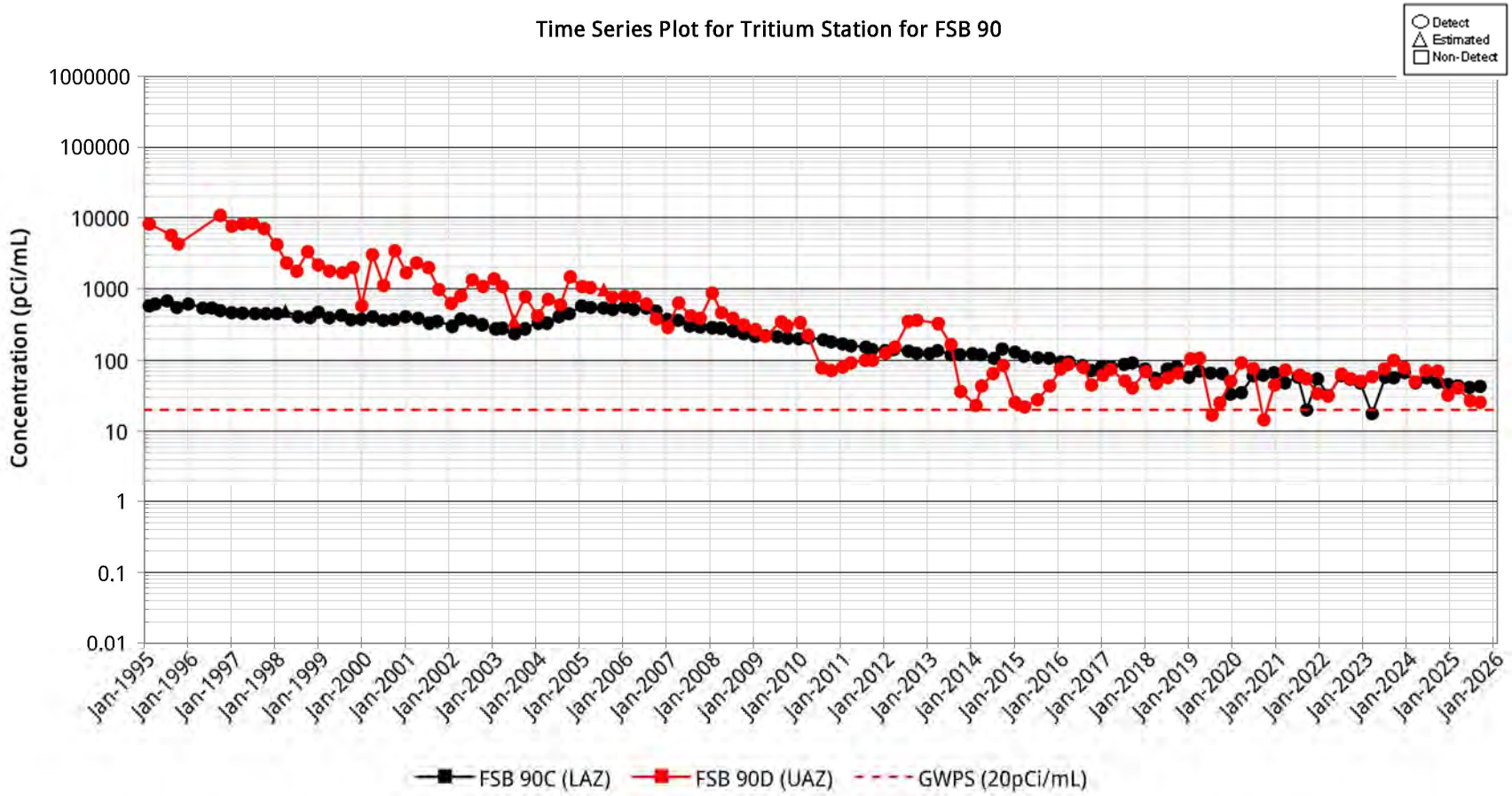
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-2022
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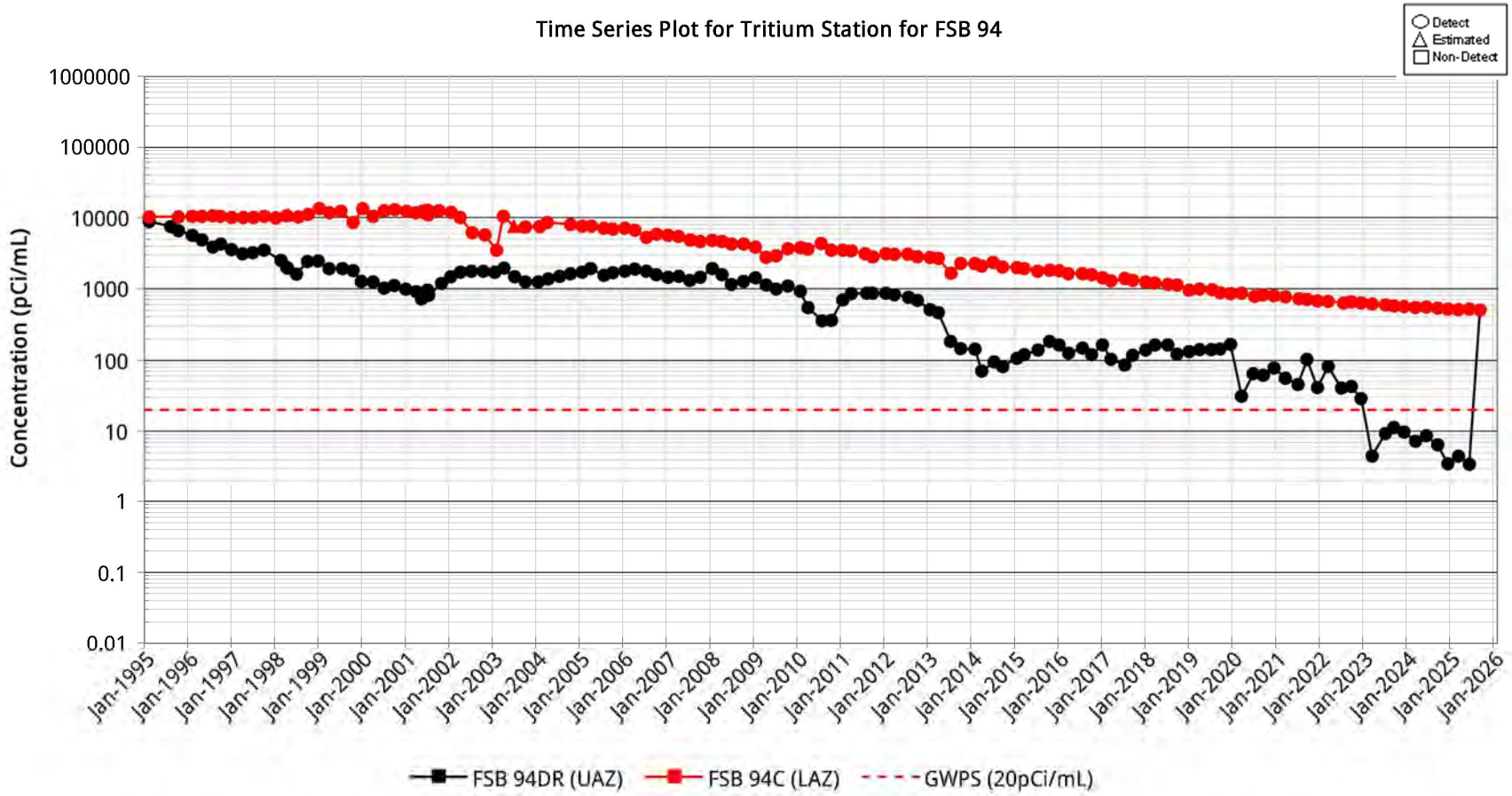
Jan-2024
Jan-2025
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-1999
Jan-2000
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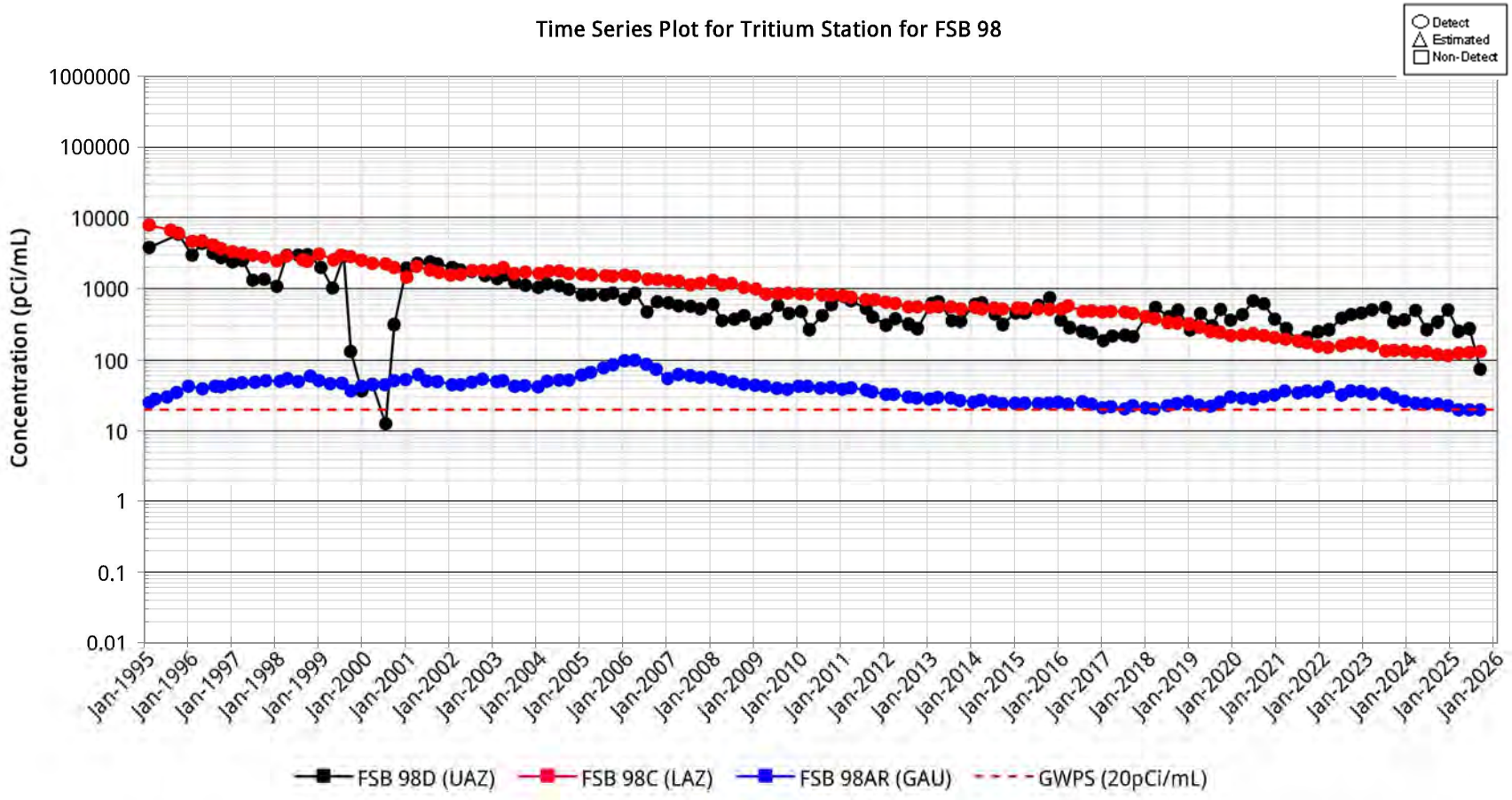
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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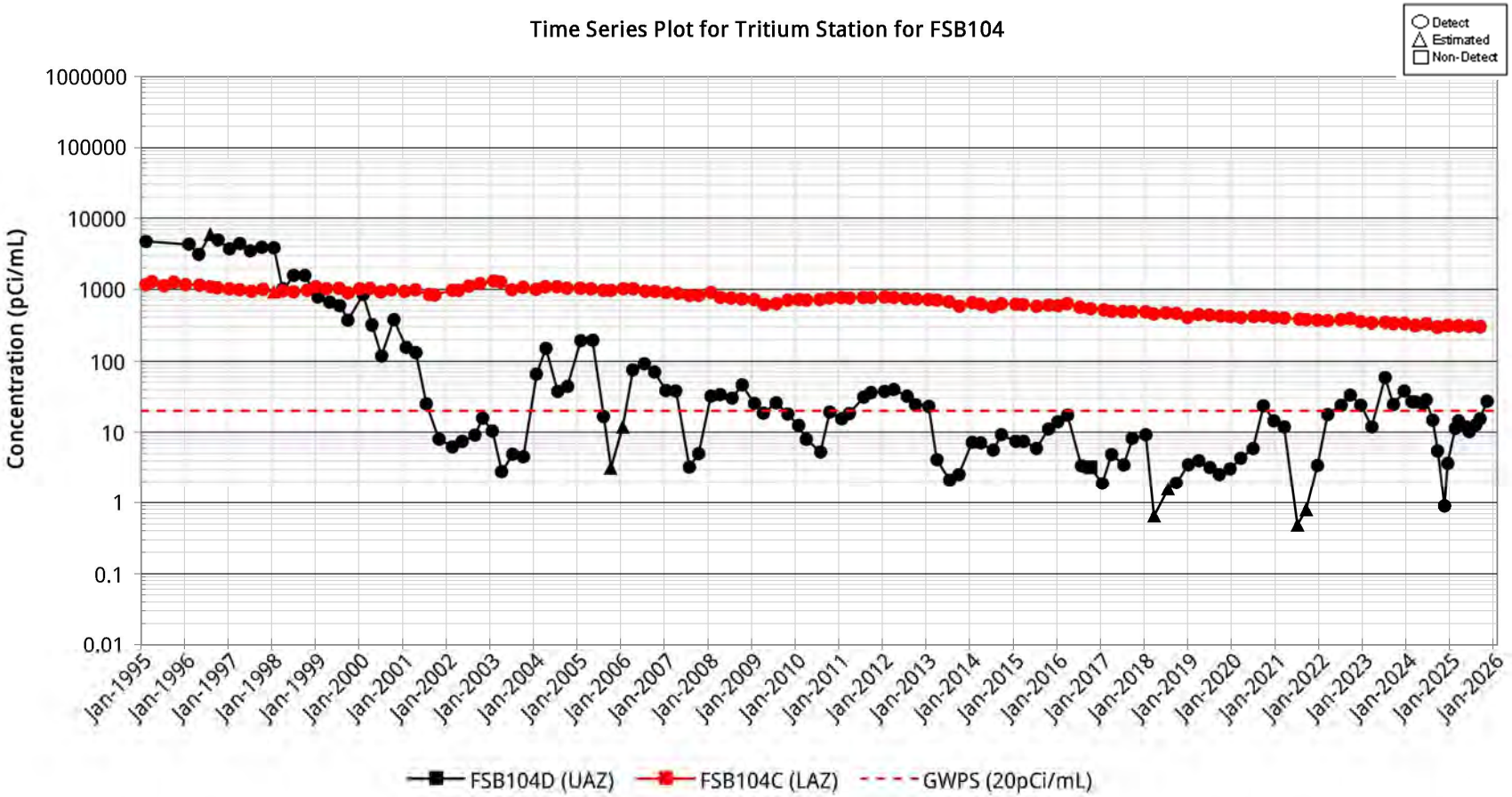
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB104
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2020
Jan-2021
Jan-2022
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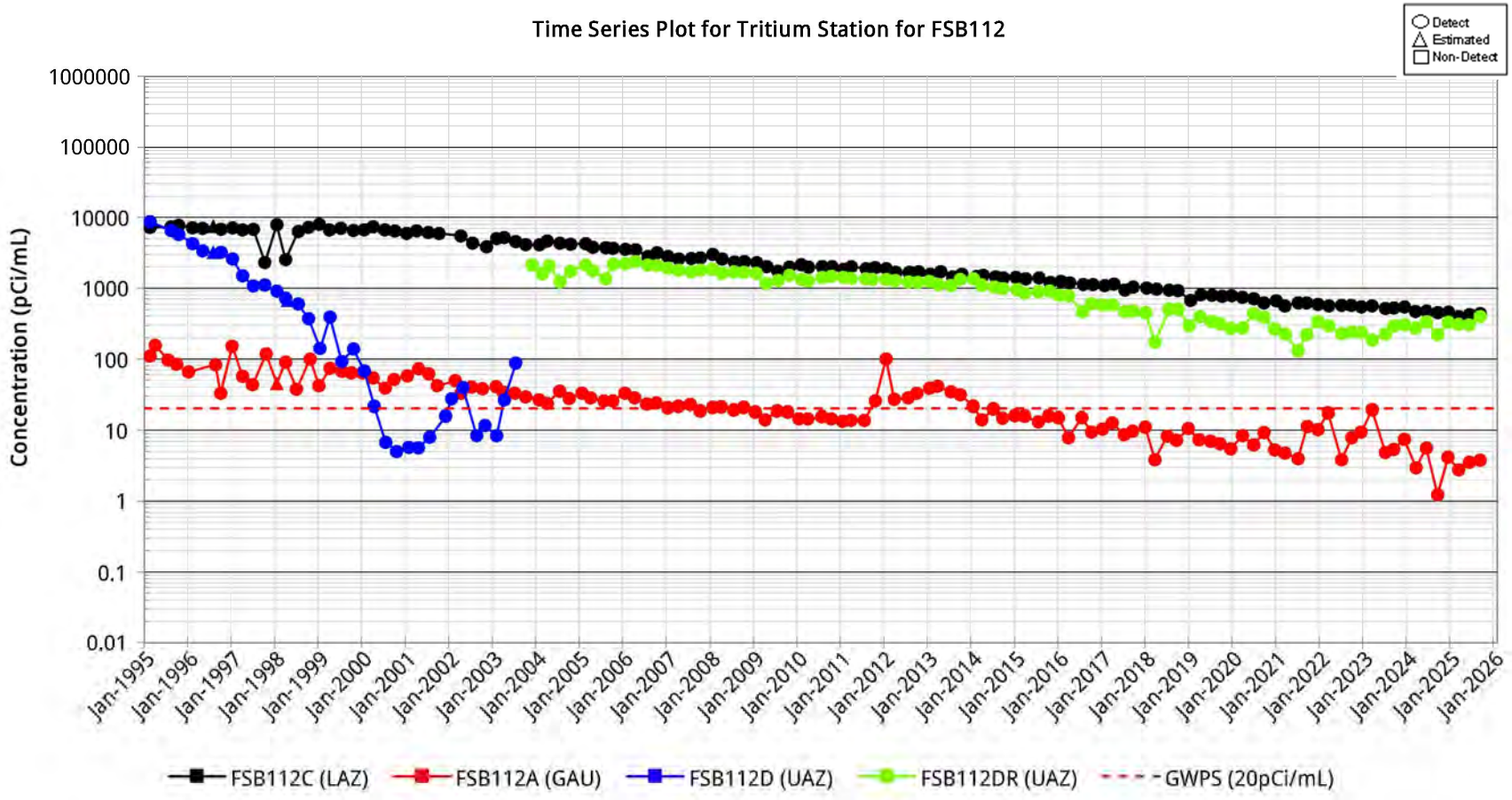
Jan-2024
Jan-2025
Jan-2026
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB112
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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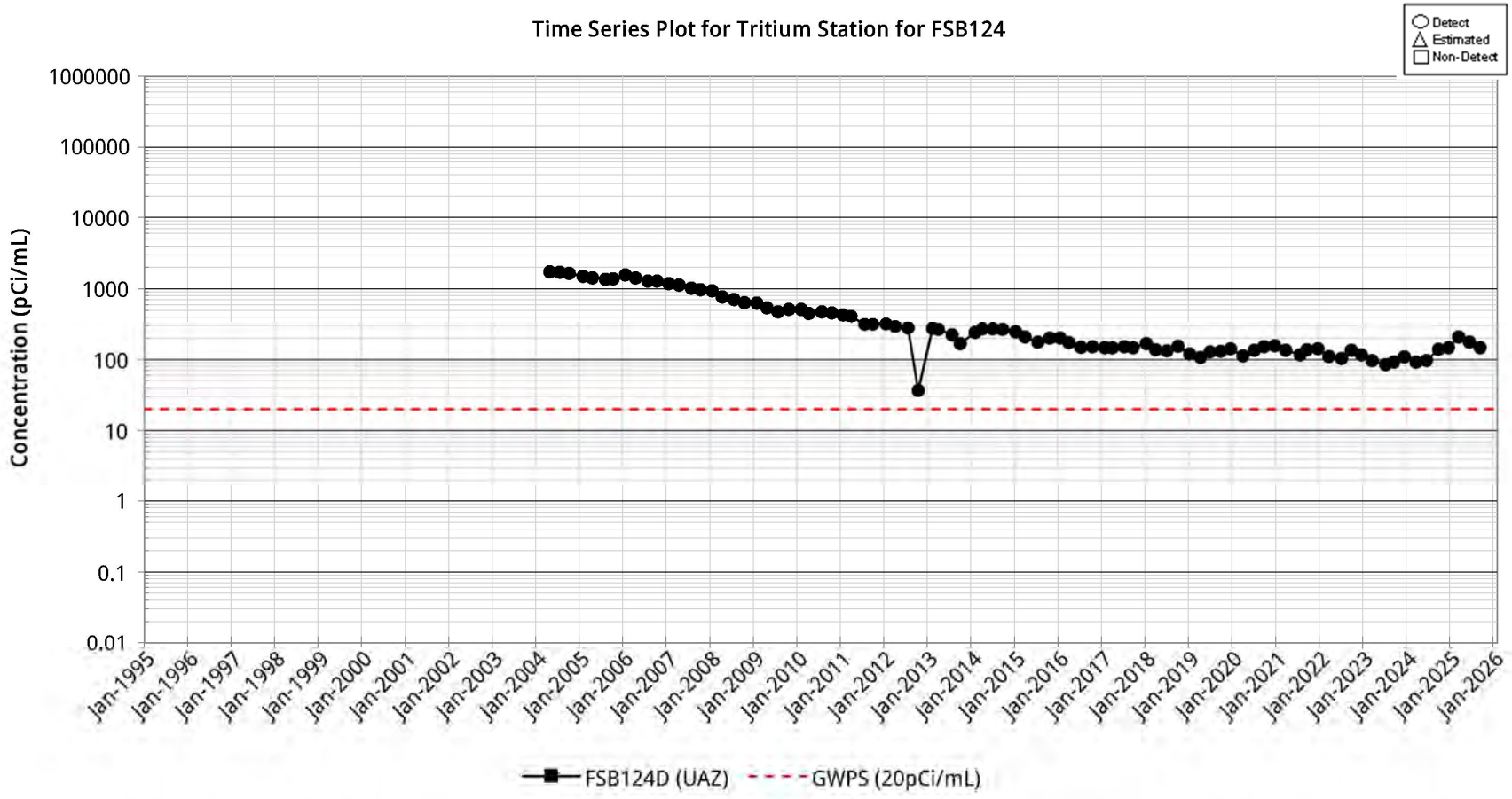
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB112C (LAZ)
FSB112A (GAU)
FSB112D (UAZ)
FSB112DR (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB124
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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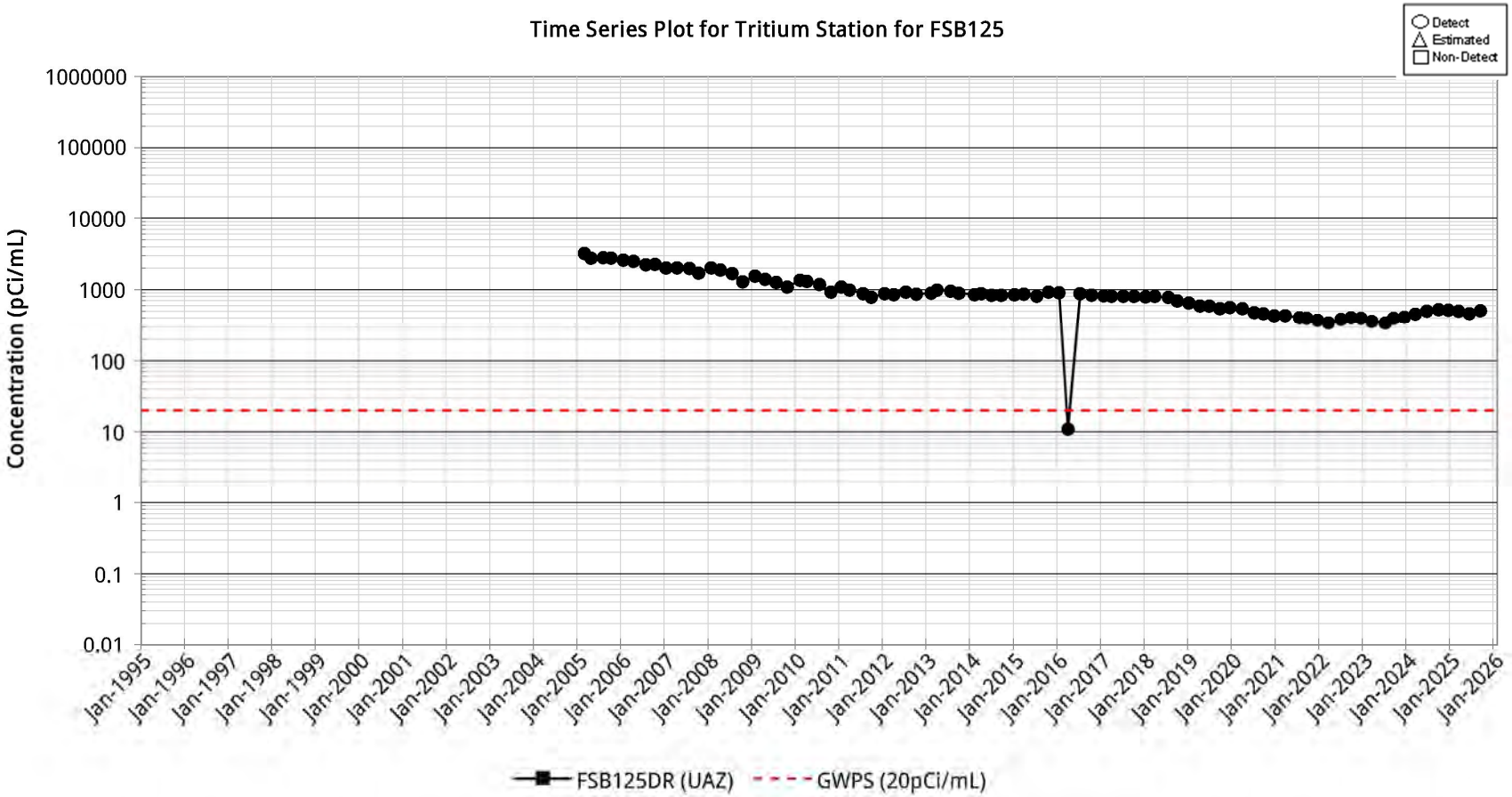
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB124D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB125
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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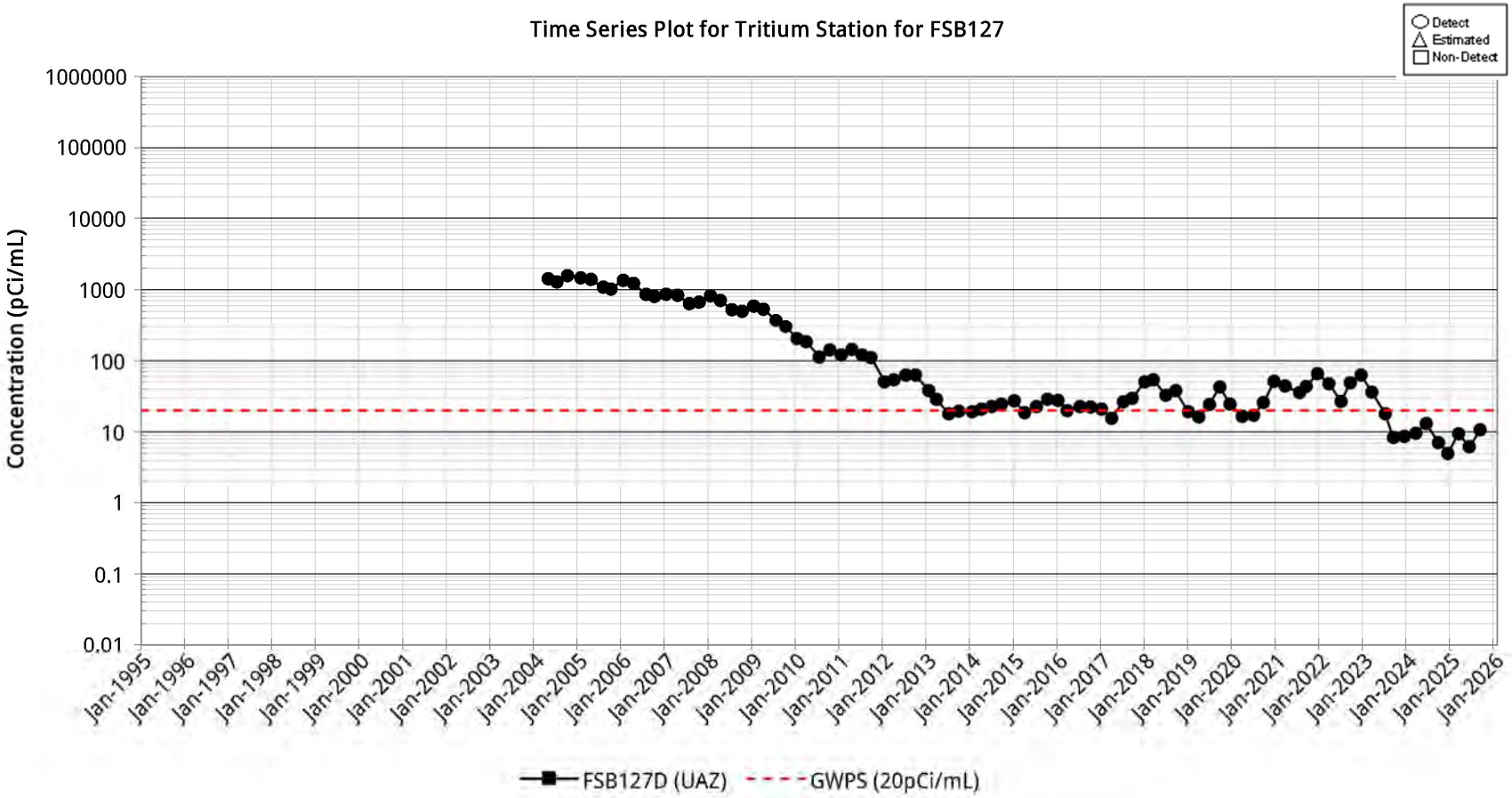
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB125DR (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB127
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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Jan-2017
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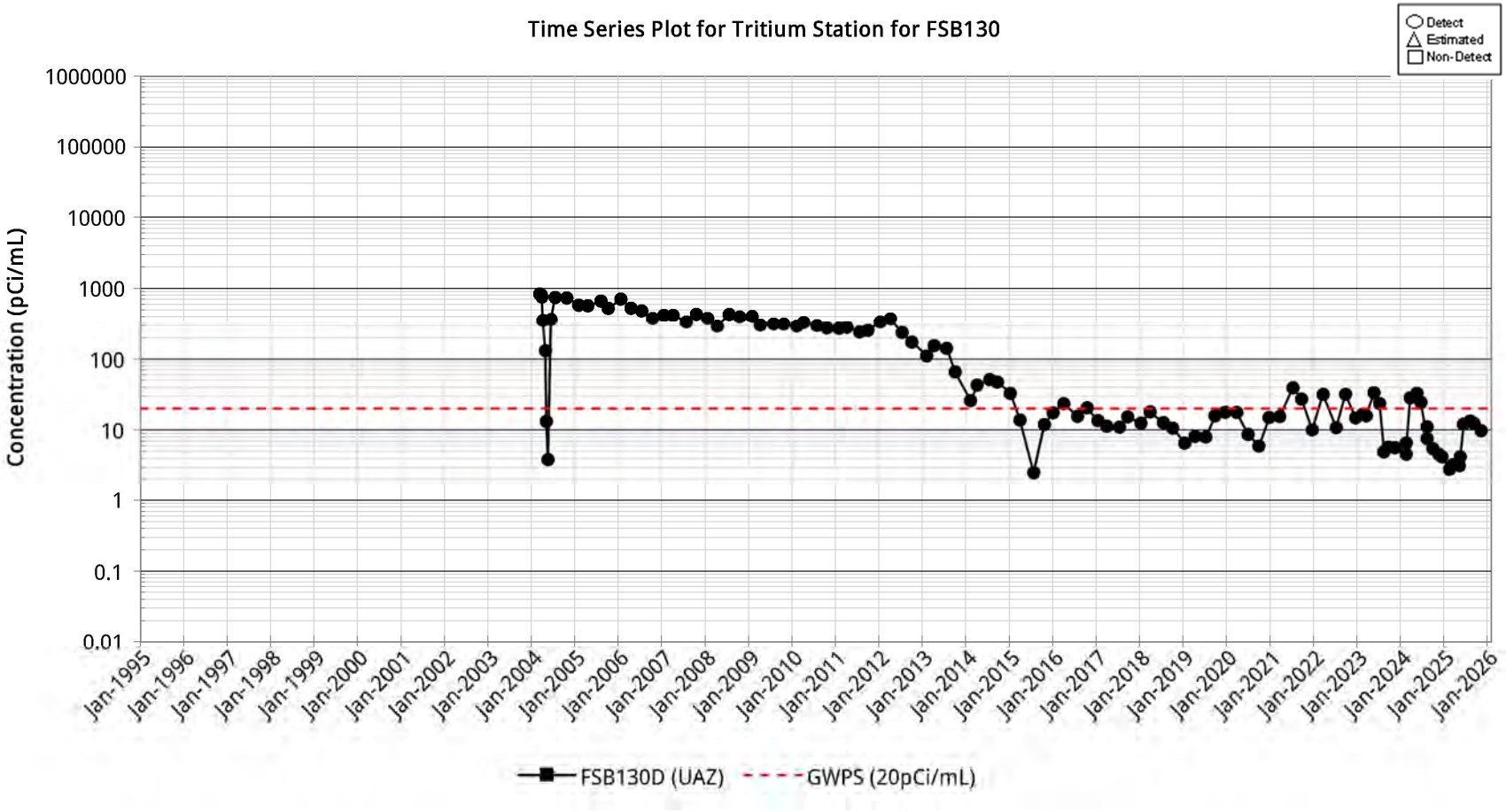
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB127D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB130
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2010
Jan-2011
Jan-2012
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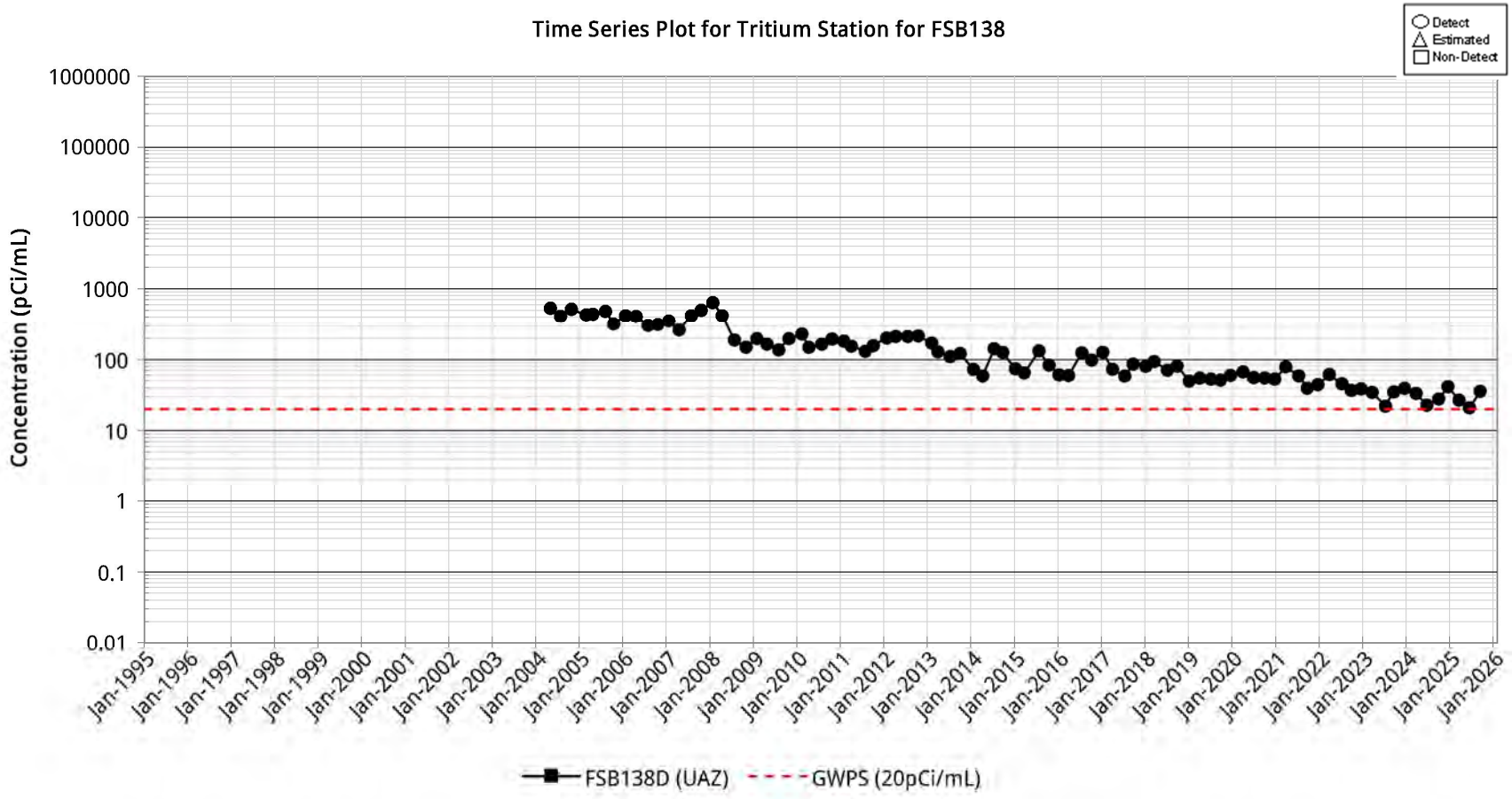
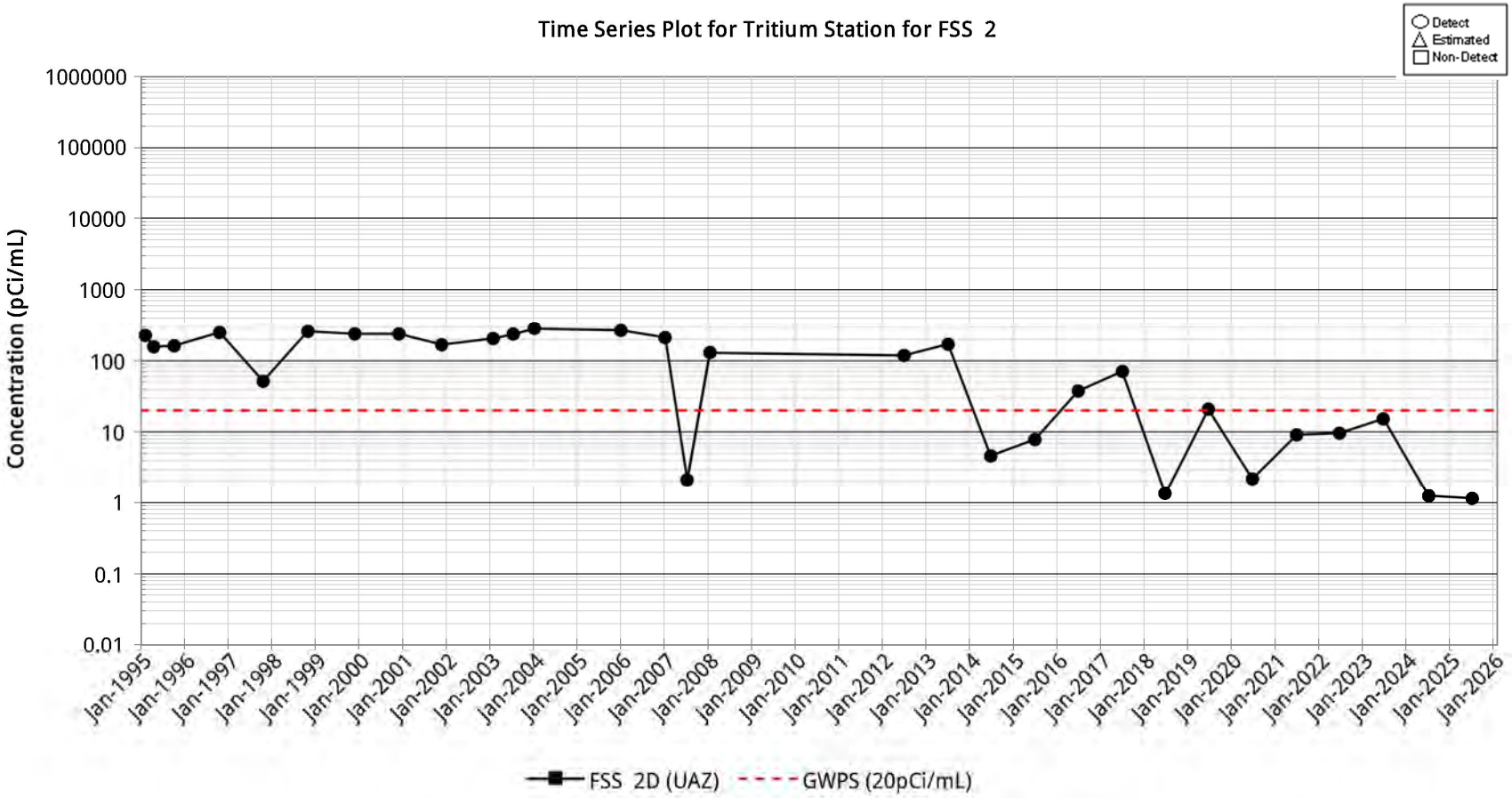
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB130D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSB138
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB138D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for FSS 2
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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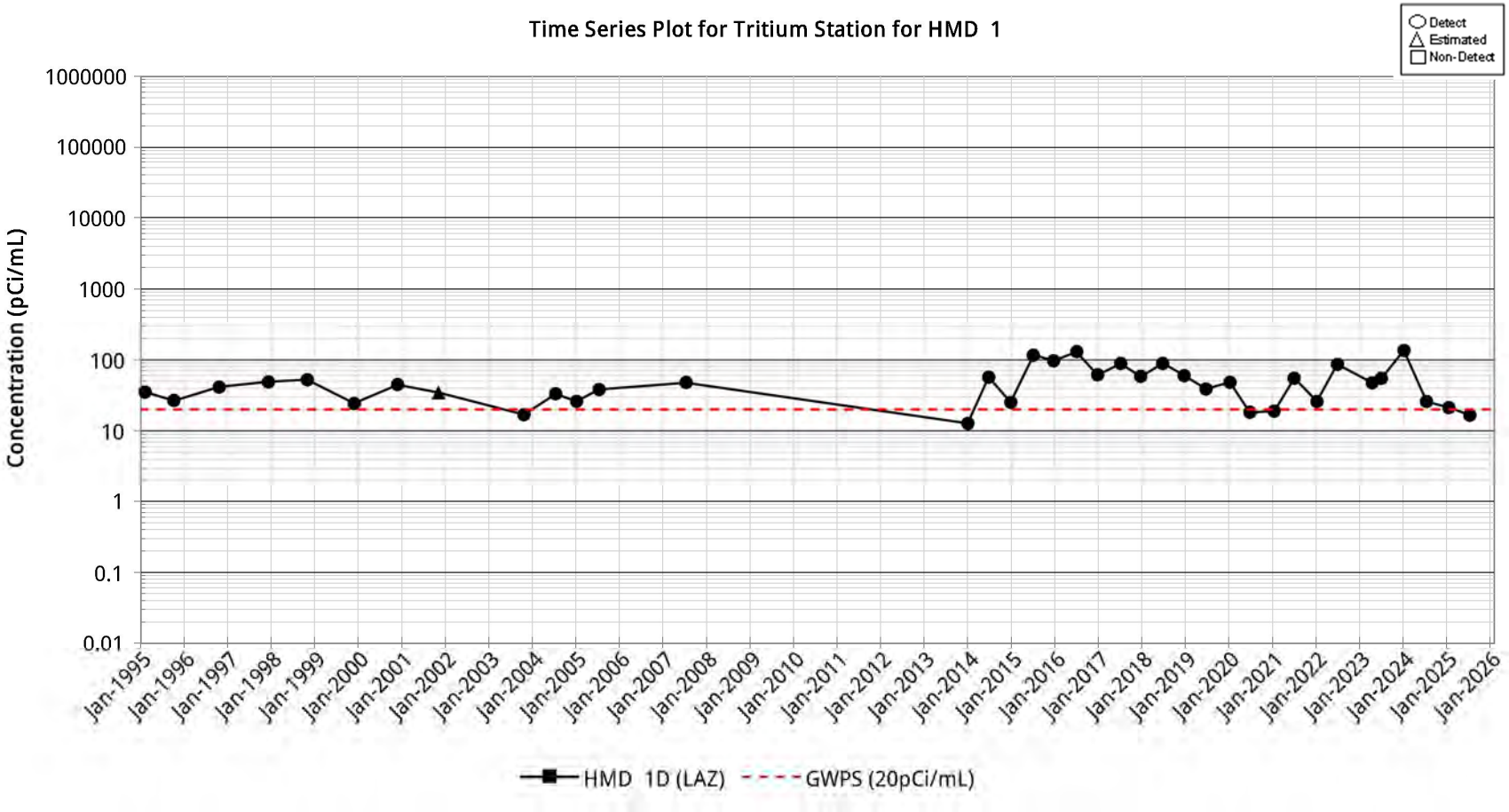
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSS 2D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HMD 1
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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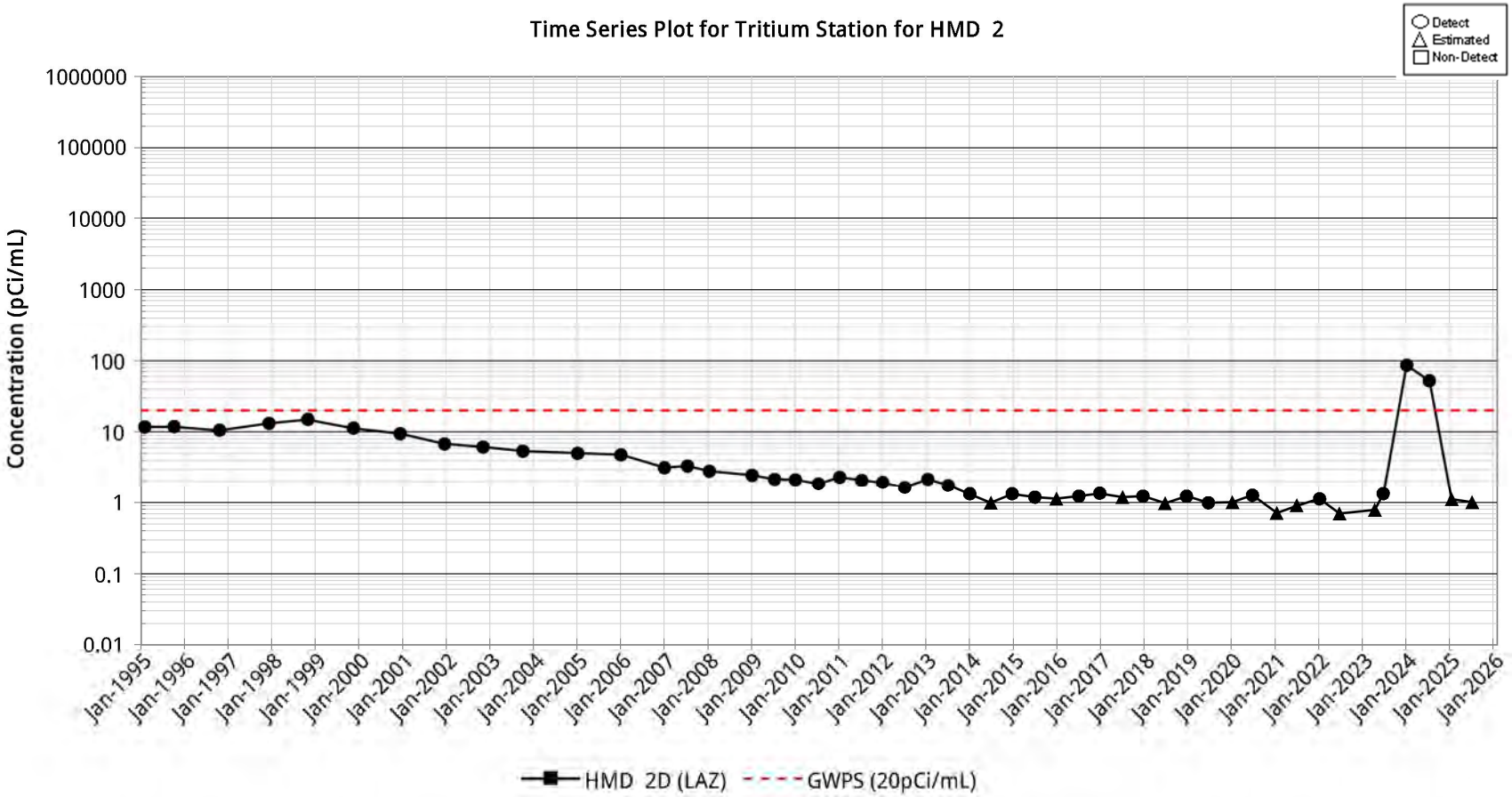
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HMD 1D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HMD 2
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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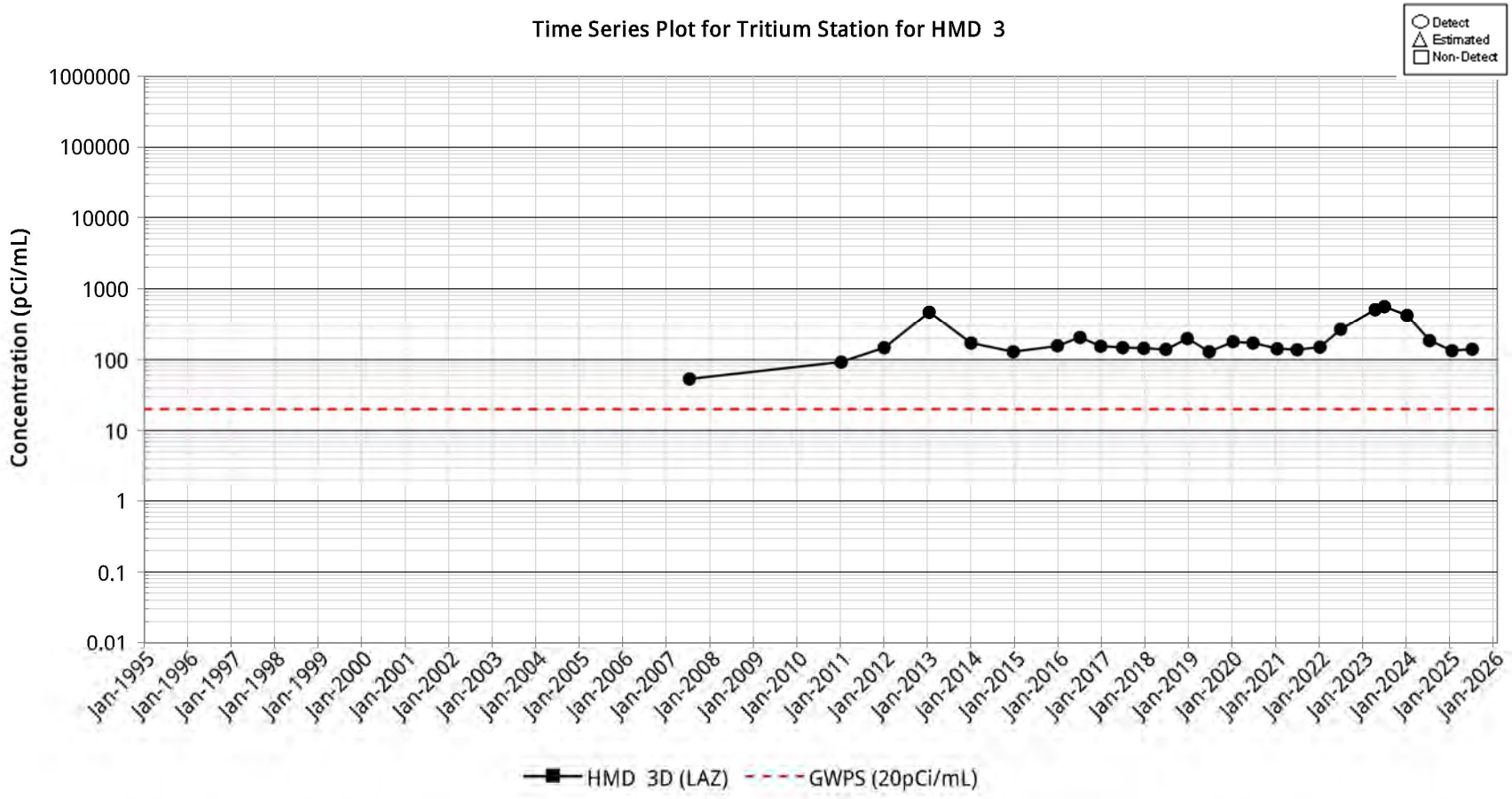
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HMD 2D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HMD 3
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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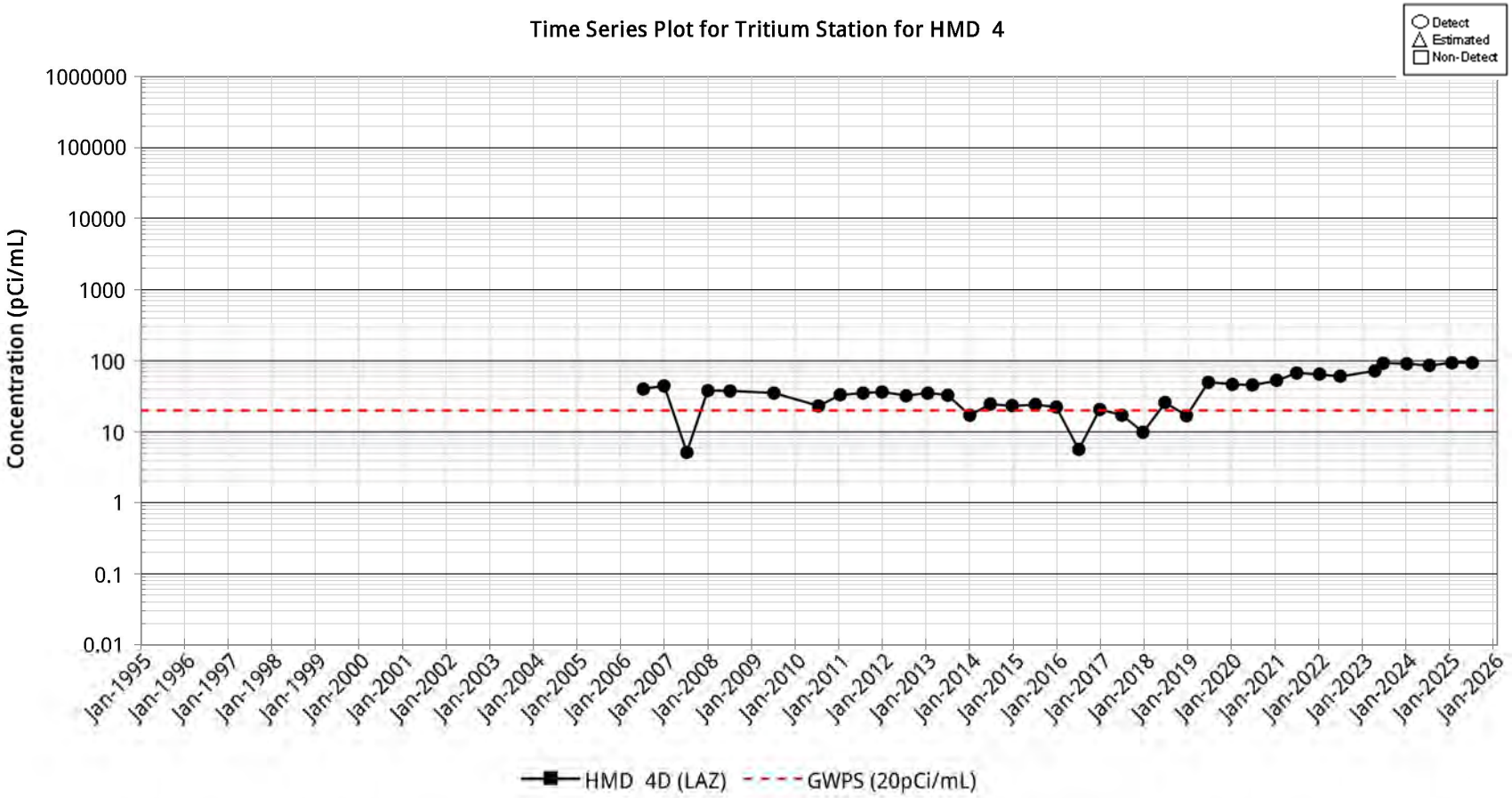
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HMD 3D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HMD 4
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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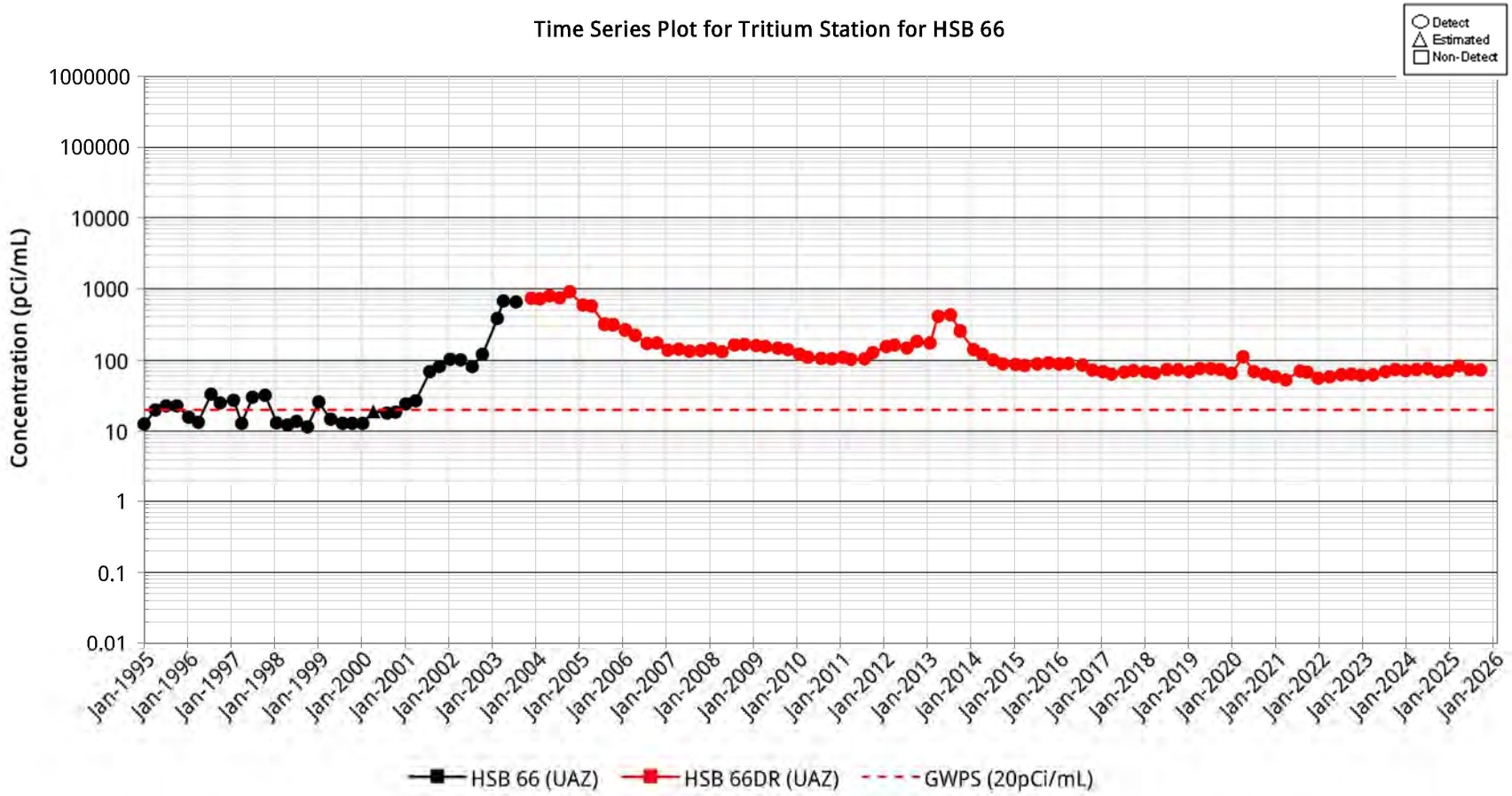
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HMD 4D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB 66
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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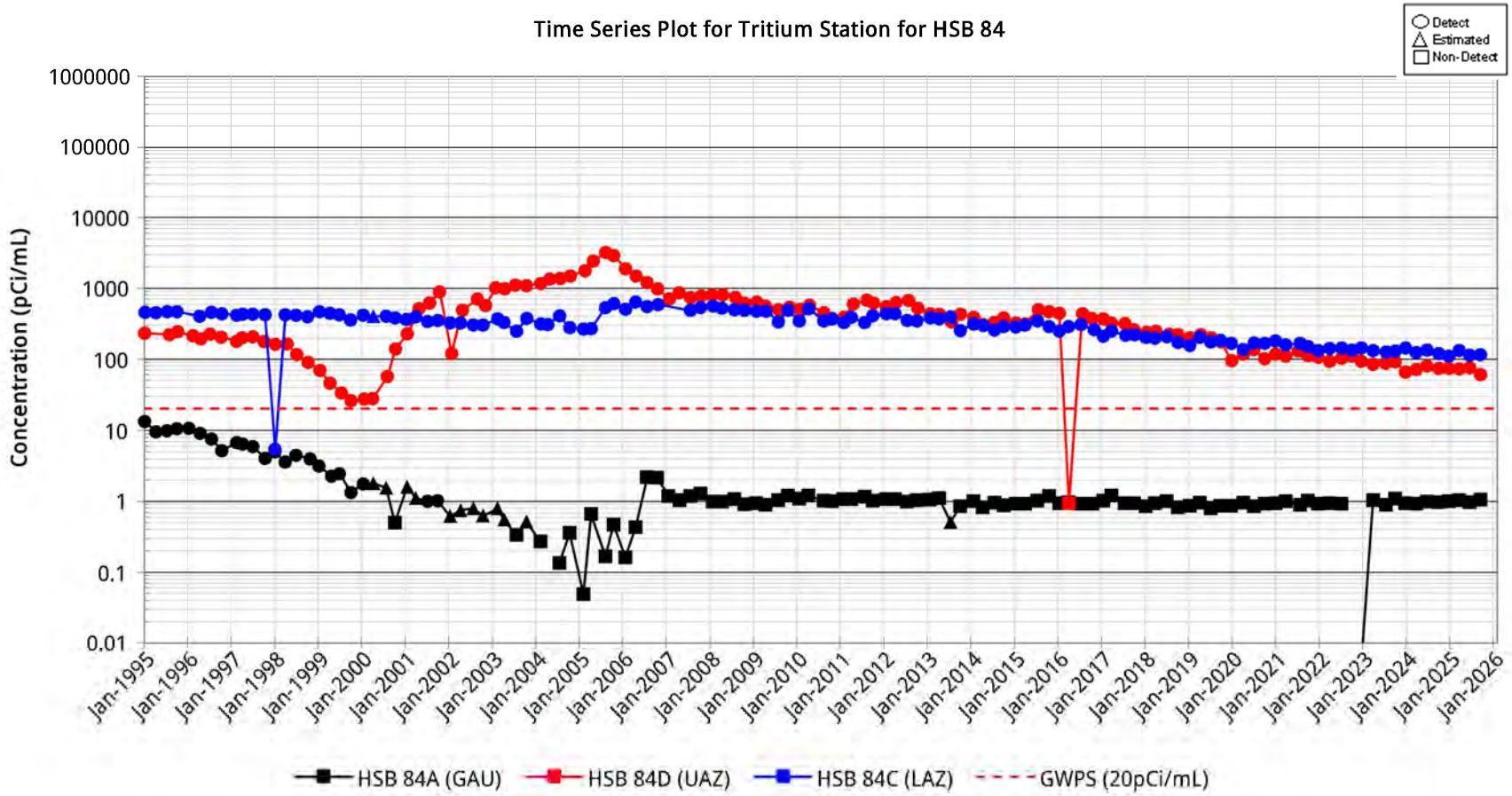
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 66 (UAZ)
HSB 66DR (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB 84
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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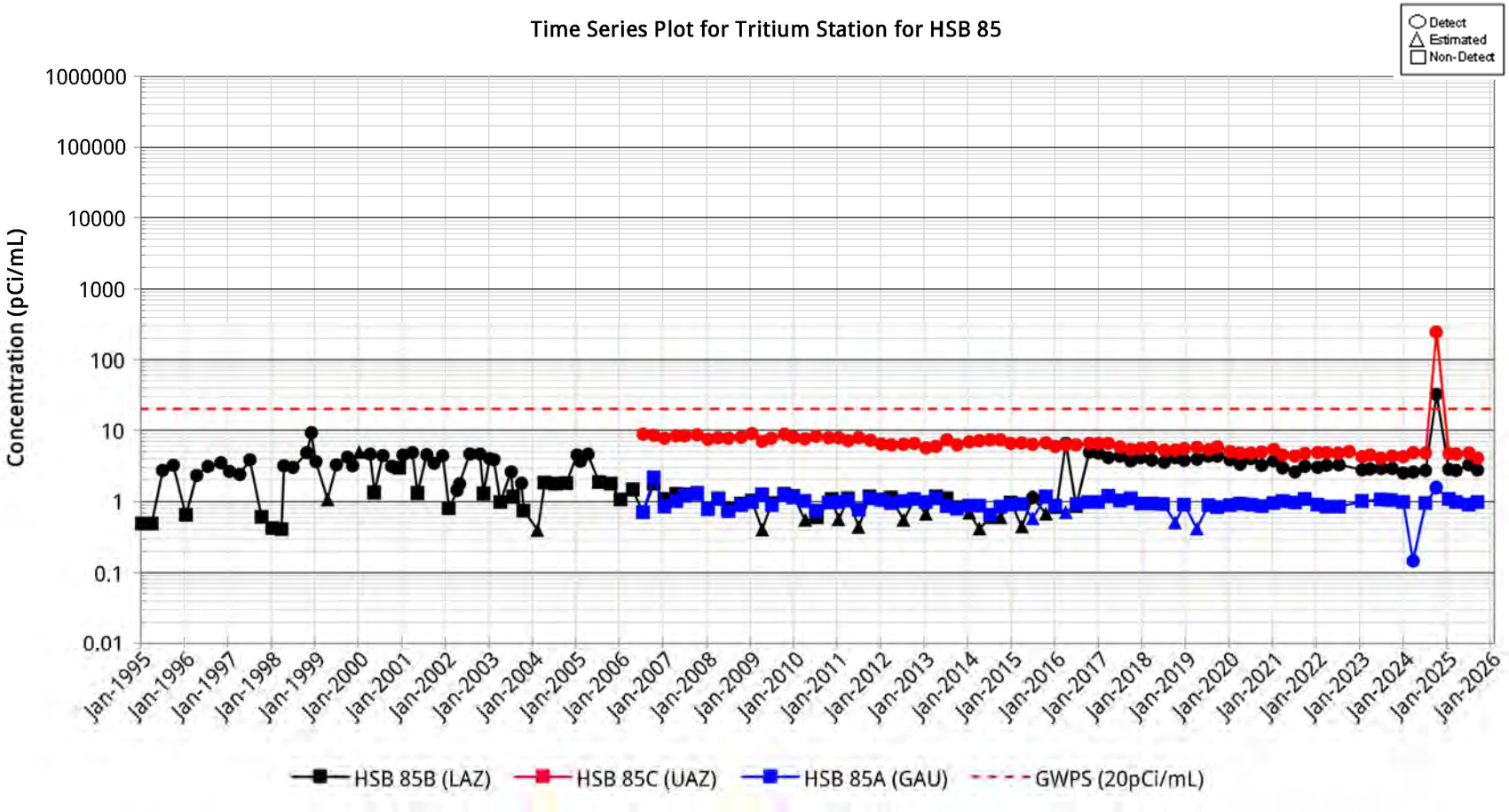
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB 84A (GAU)
HSB 84D (UAZ)
HSB 84C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB 85
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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Jan-1997
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Jan-1999
Jan-2000
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Jan-2020
Jan-2021
Jan-2022
Jan-2023
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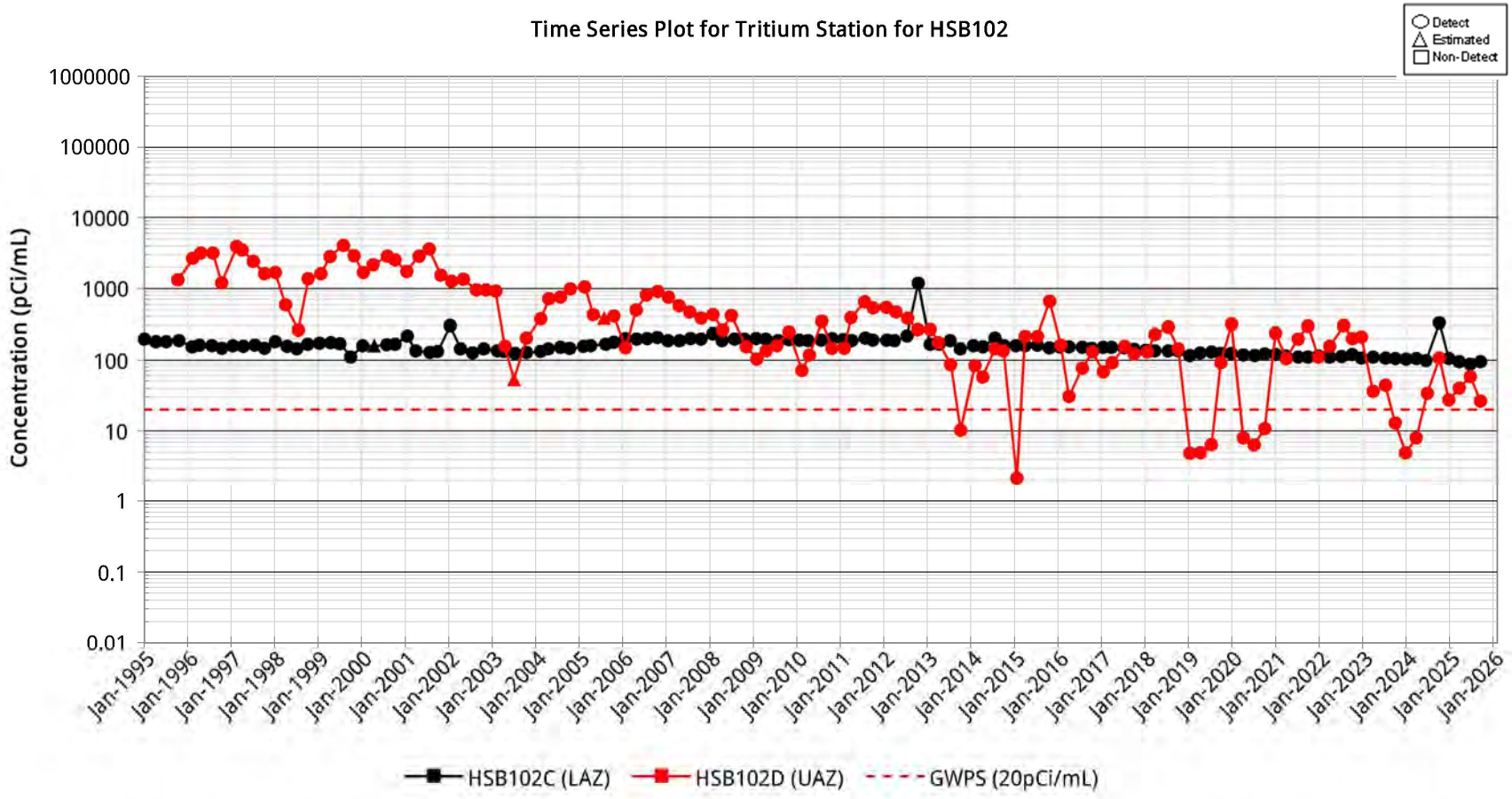
Jan-2025
Jan-2026
HSB 85B (LAZ)
HSB 85C (UAZ)
HSB 85A (GAU)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB102
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2020
Jan-2021
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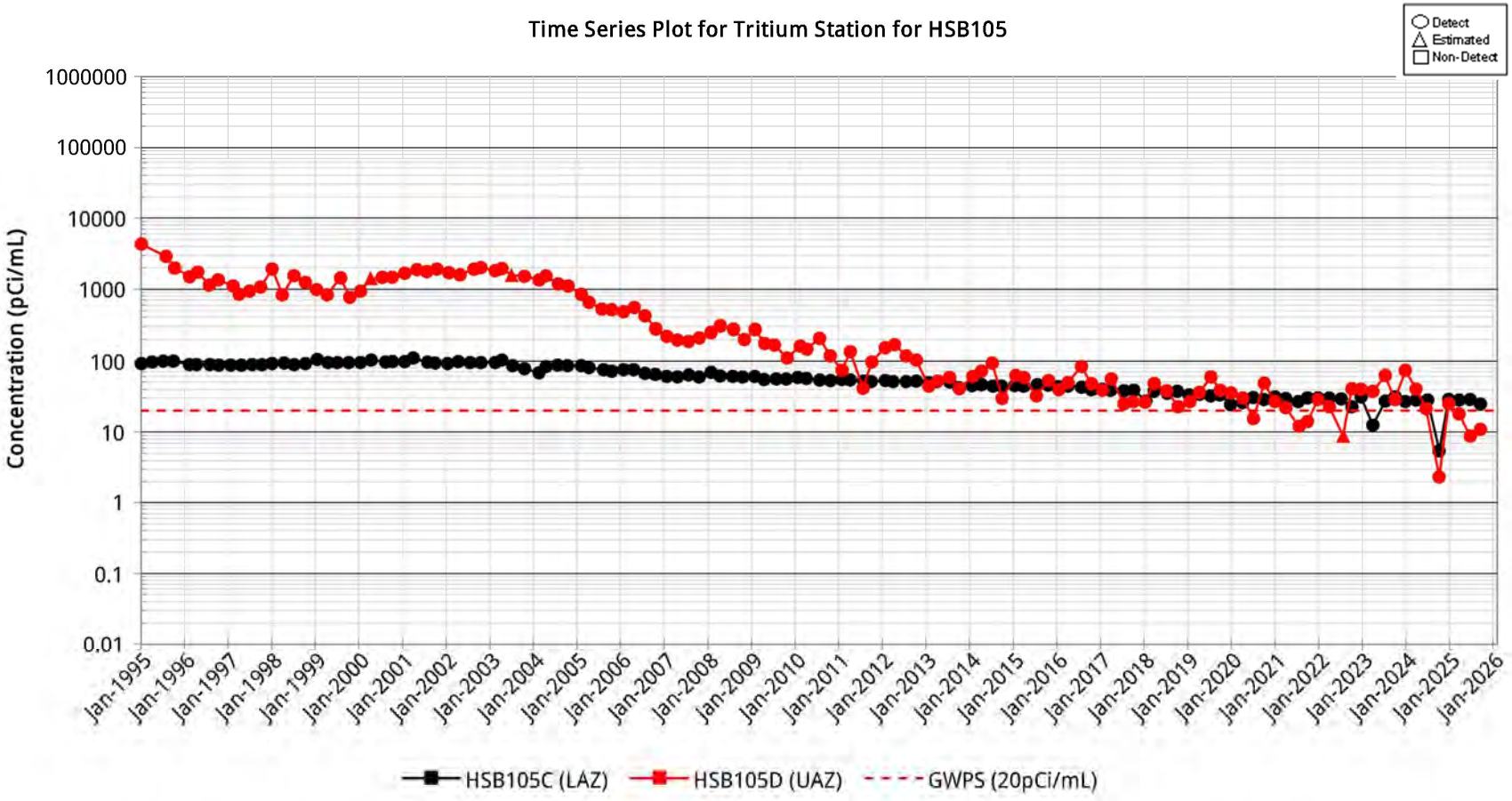
Jan-2025
Jan-2026
HSB102C (LAZ)
HSB102D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB105
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-1999
Jan-2000
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Jan-2020
Jan-2021
Jan-2022
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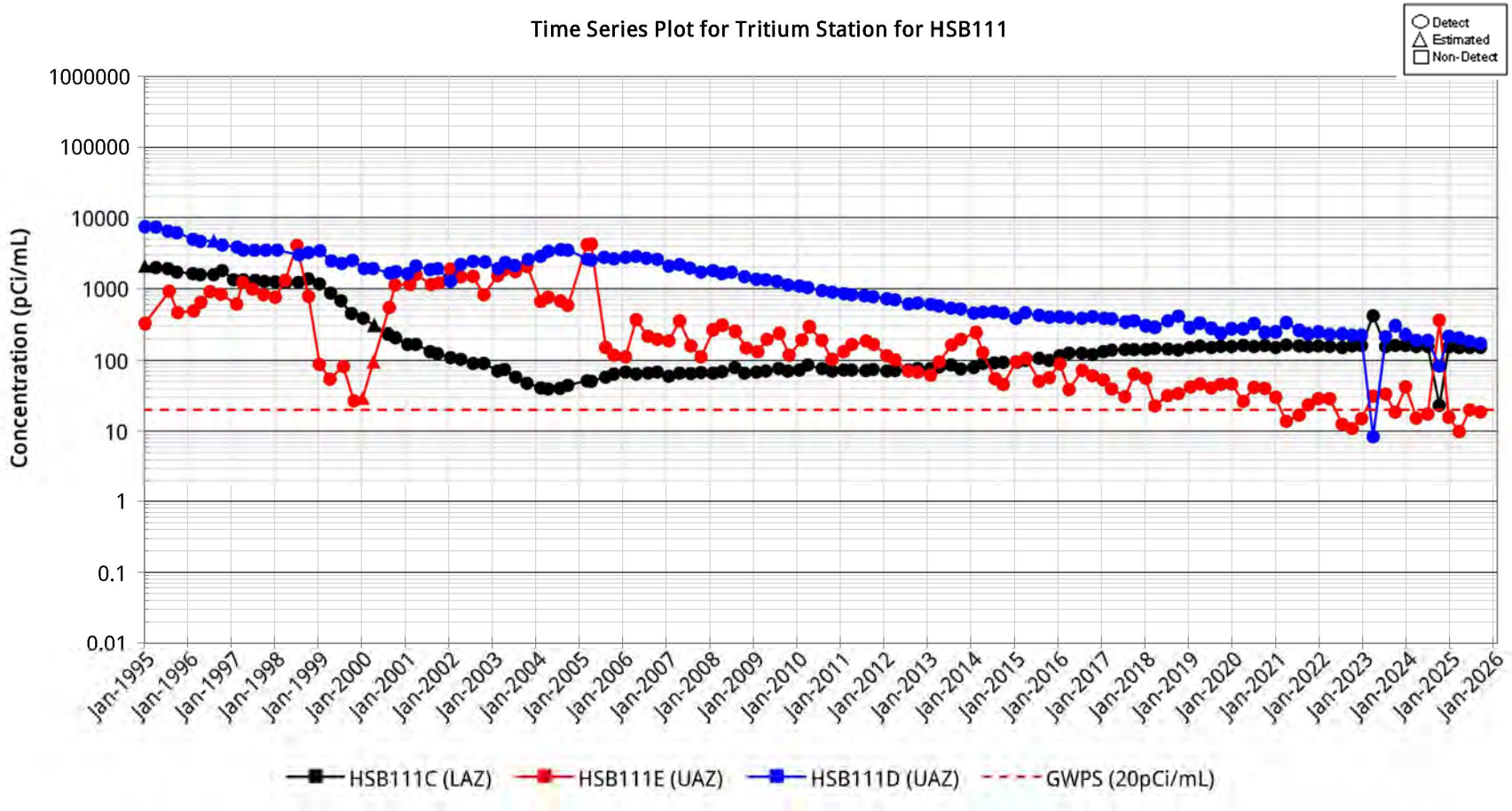
Jan-2025
Jan-2026
HSB105C (LAZ)
HSB105D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB111
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2020
Jan-2021
Jan-2022
Jan-2023
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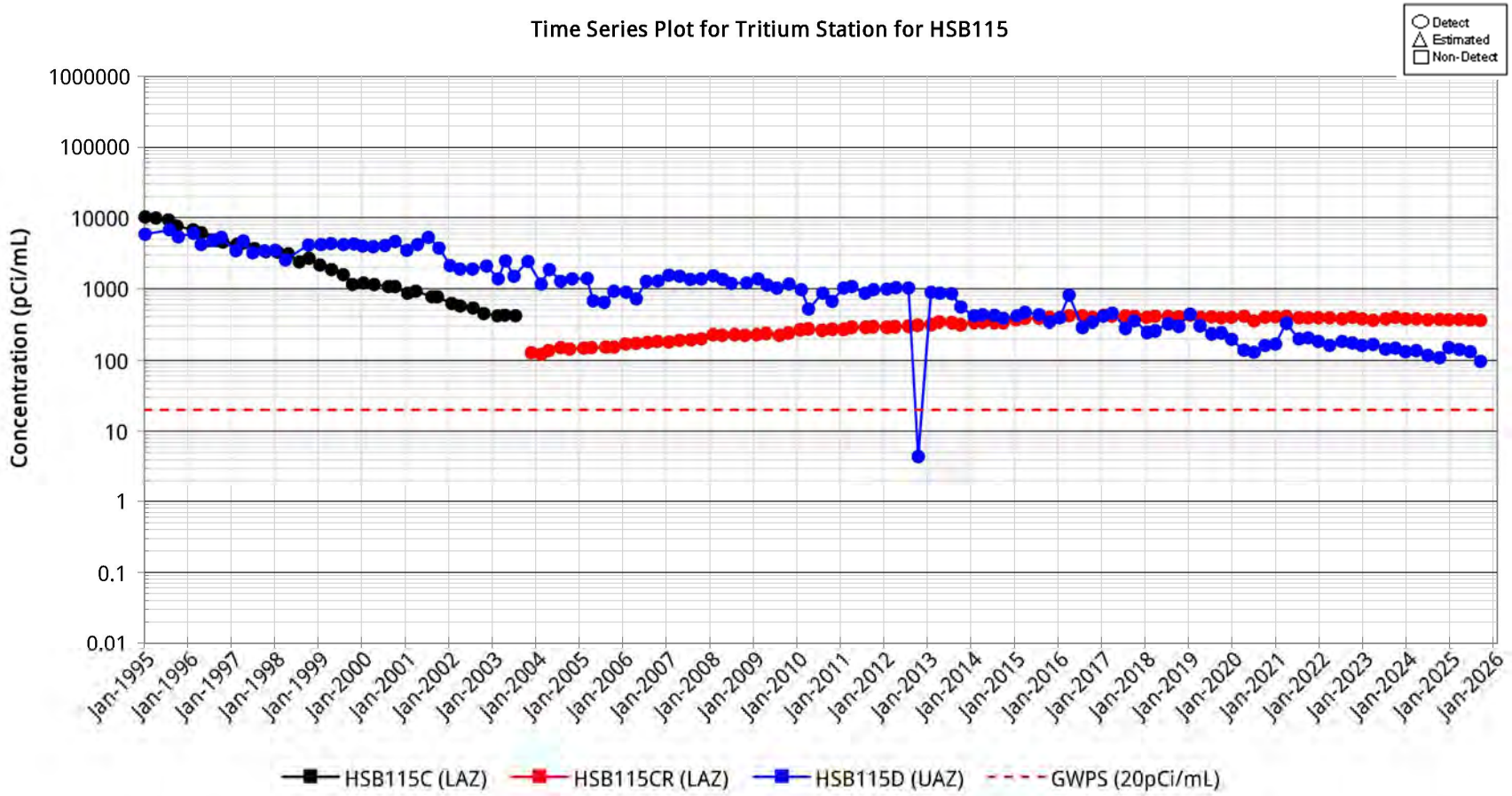
Jan-2026
HSB111C (LAZ)
HSB111E (UAZ)
HSB111D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB115
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
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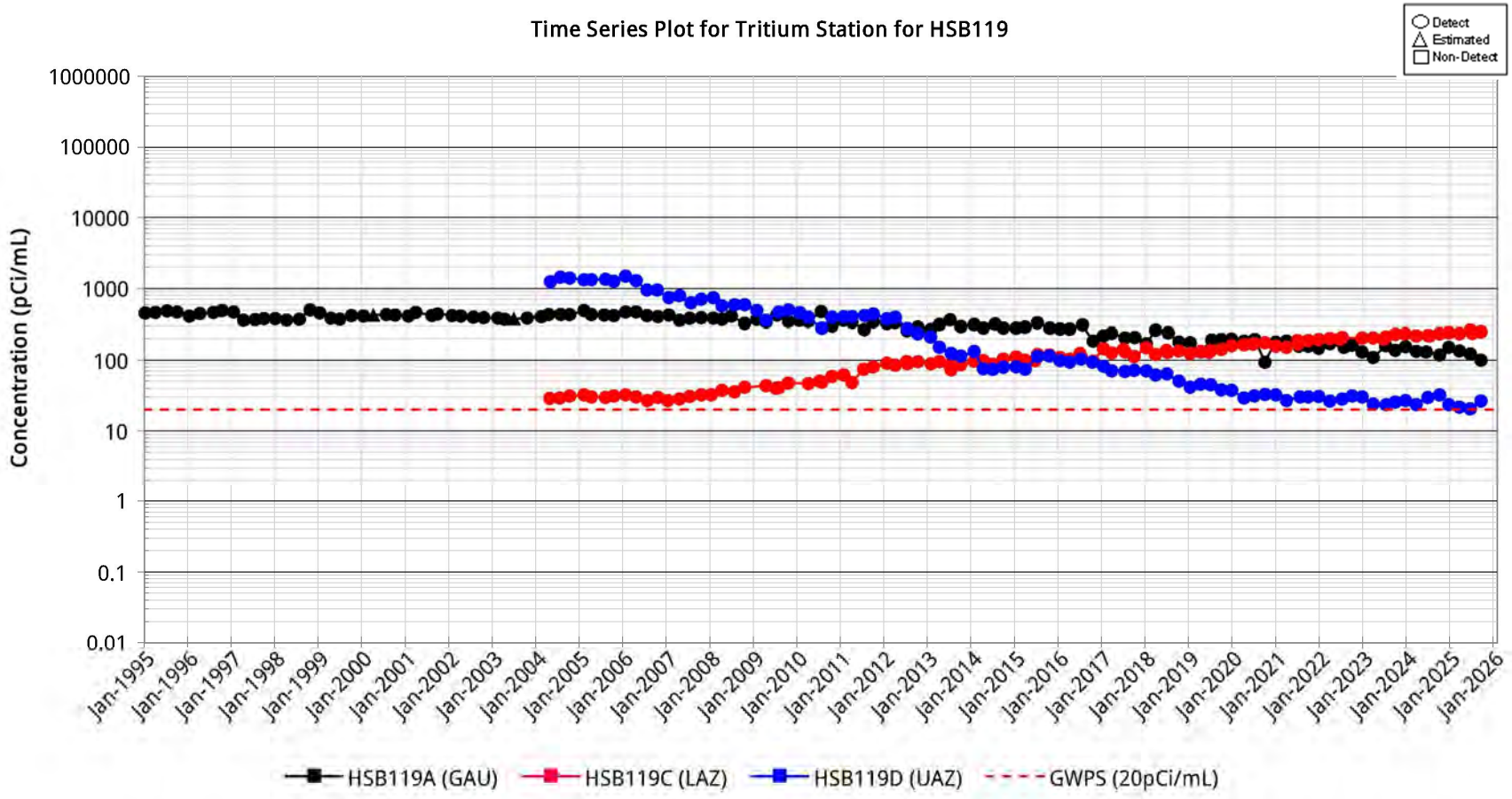
Jan-2026
HSB115C (LAZ)
HSB115CR (LAZ)
HSB115D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB119
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2020
Jan-2021
Jan-2022
Jan-2023
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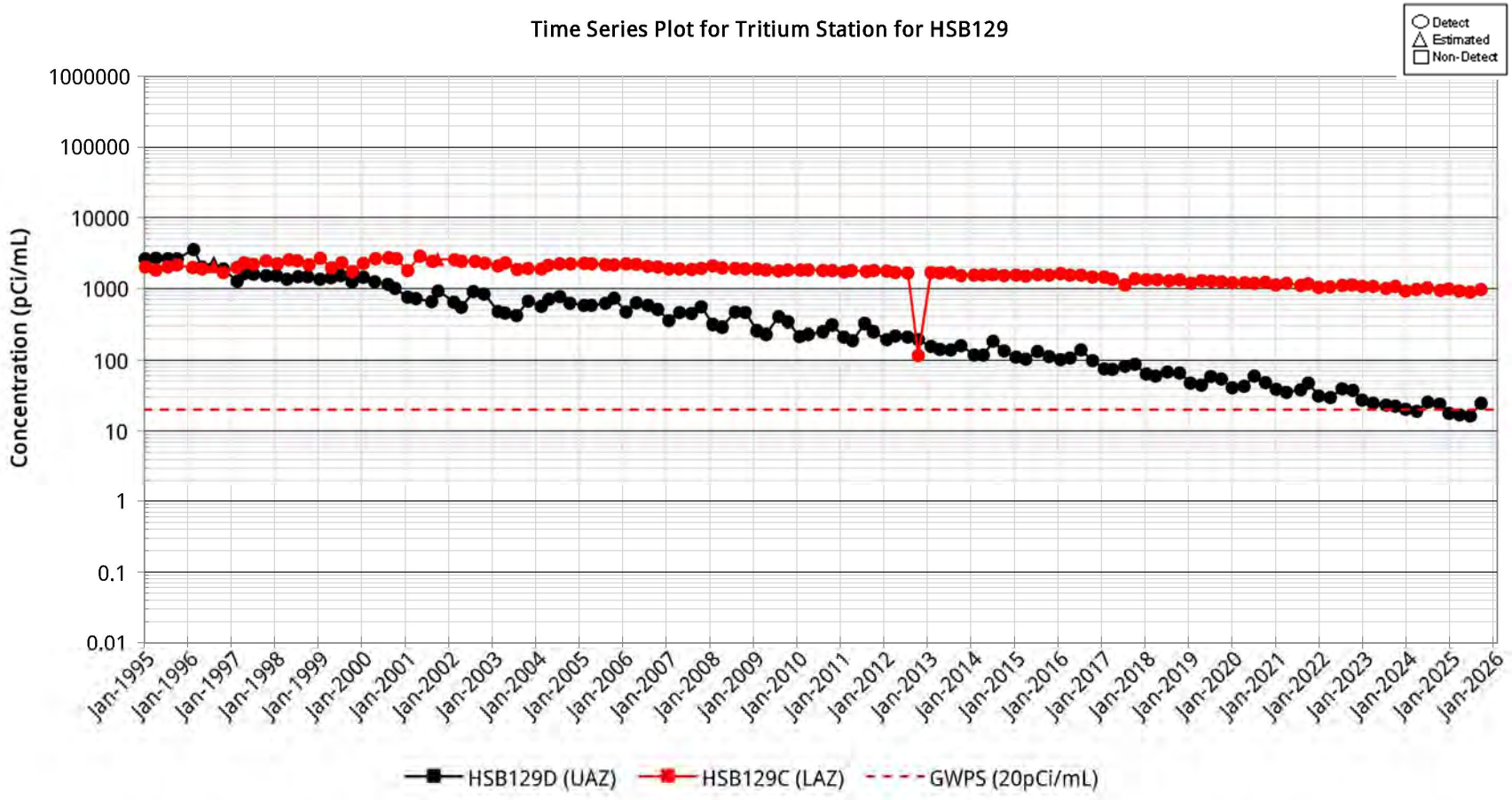
Jan-2026
HSB119A (GAU)
HSB119C (LAZ)
HSB119D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB129
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2020
Jan-2021
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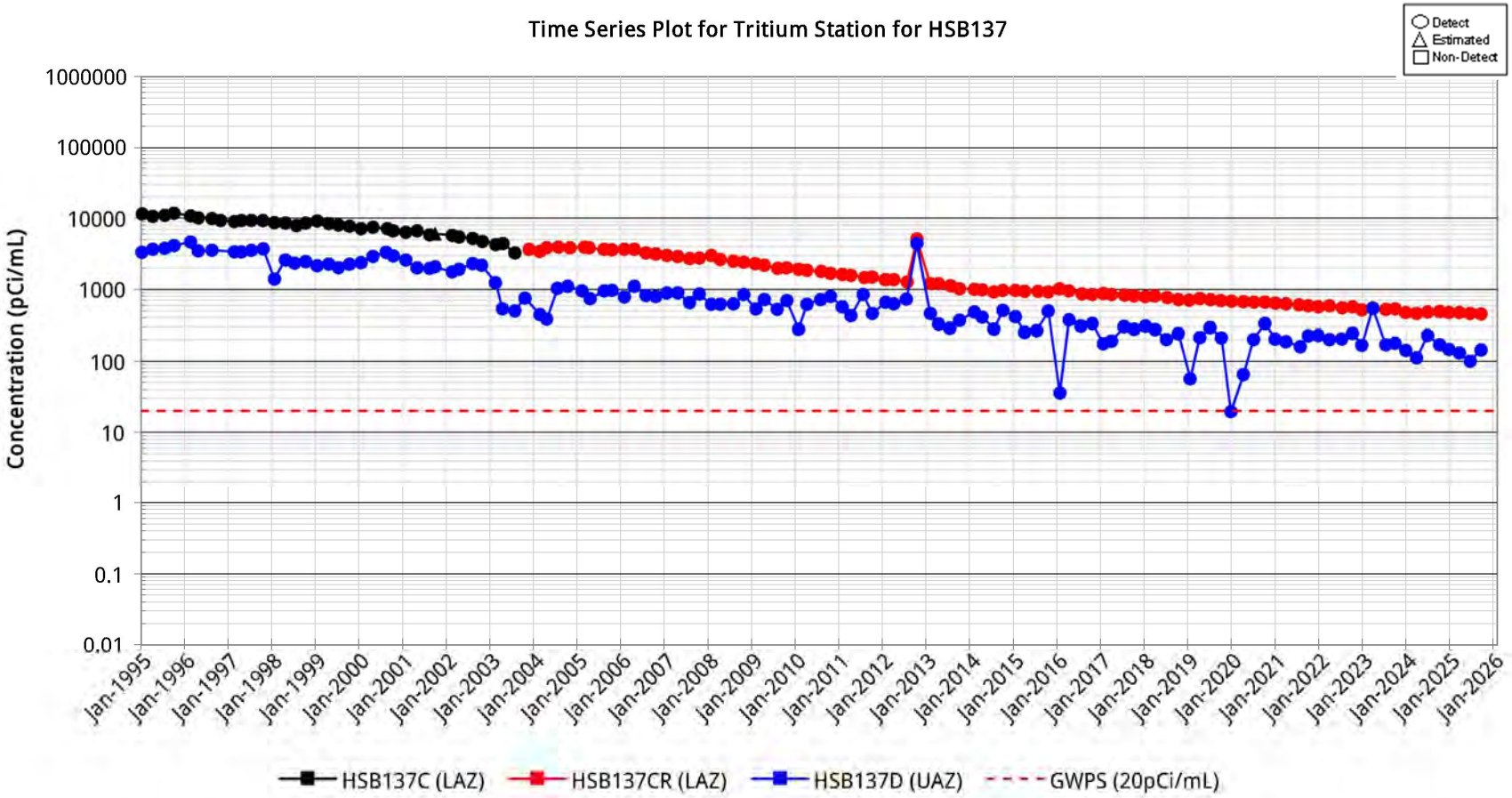
Jan-2024
Jan-2025
Jan-2026
HSB129D (UAZ)
HSB129C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB137
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-1999
Jan-2000
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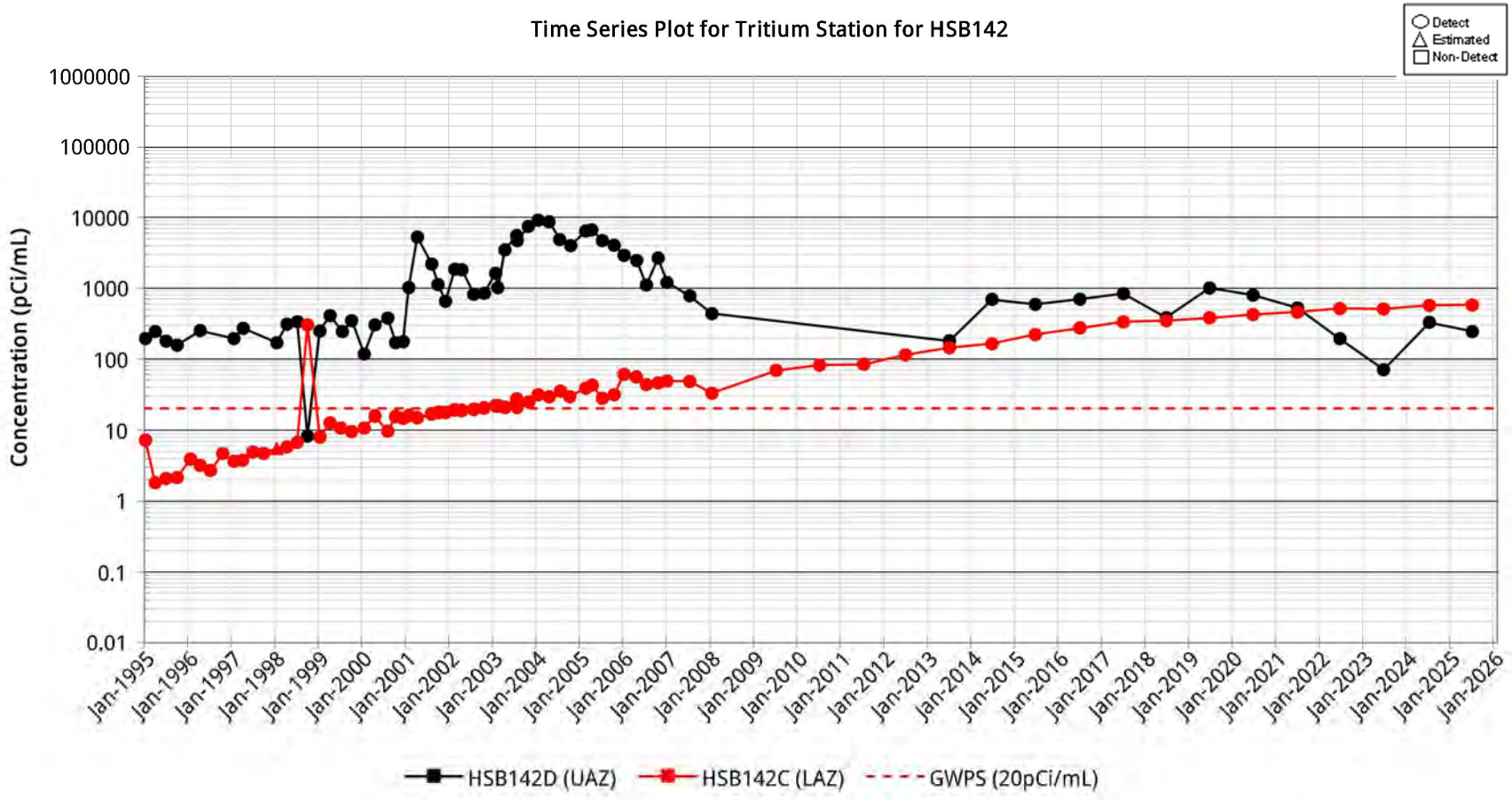
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB137C (LAZ)
HSB137CR (LAZ)
HSB137D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB142
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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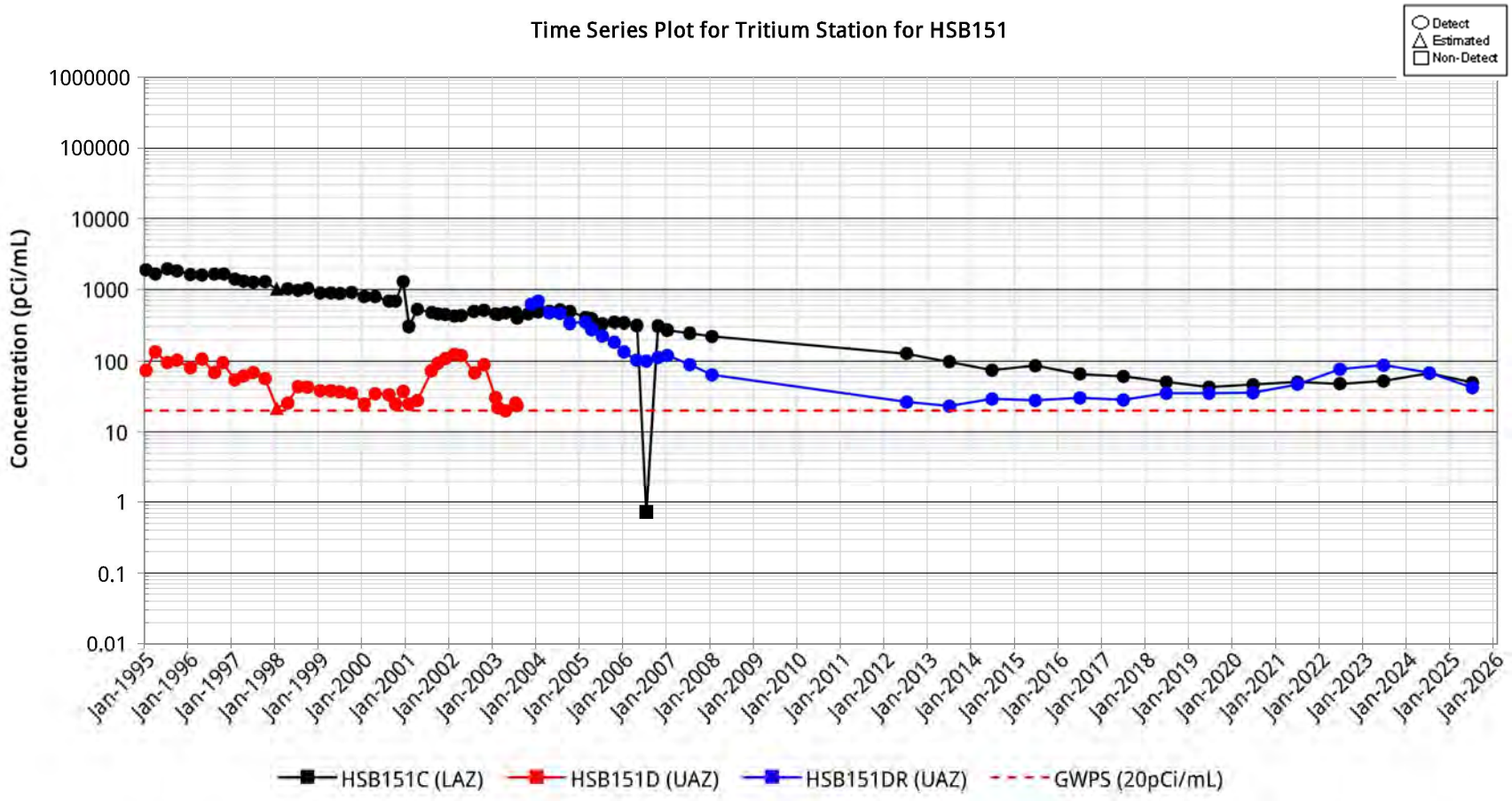
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB142D (UAZ)
HSB142C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for HSB151
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-1999
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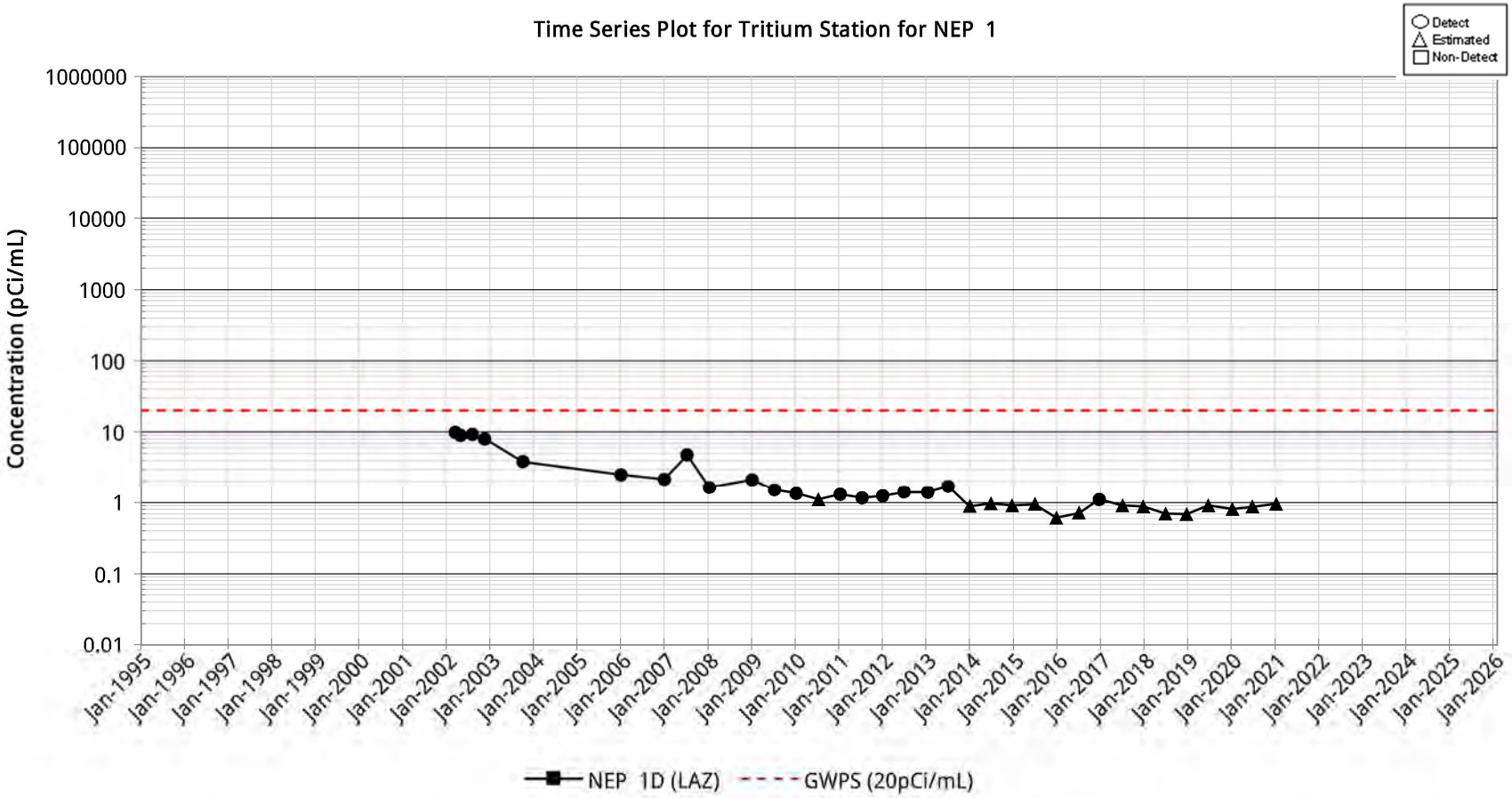
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
HSB151C (LAZ)
HSB151D (UAZ)
HSB151DR (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NEP 1
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
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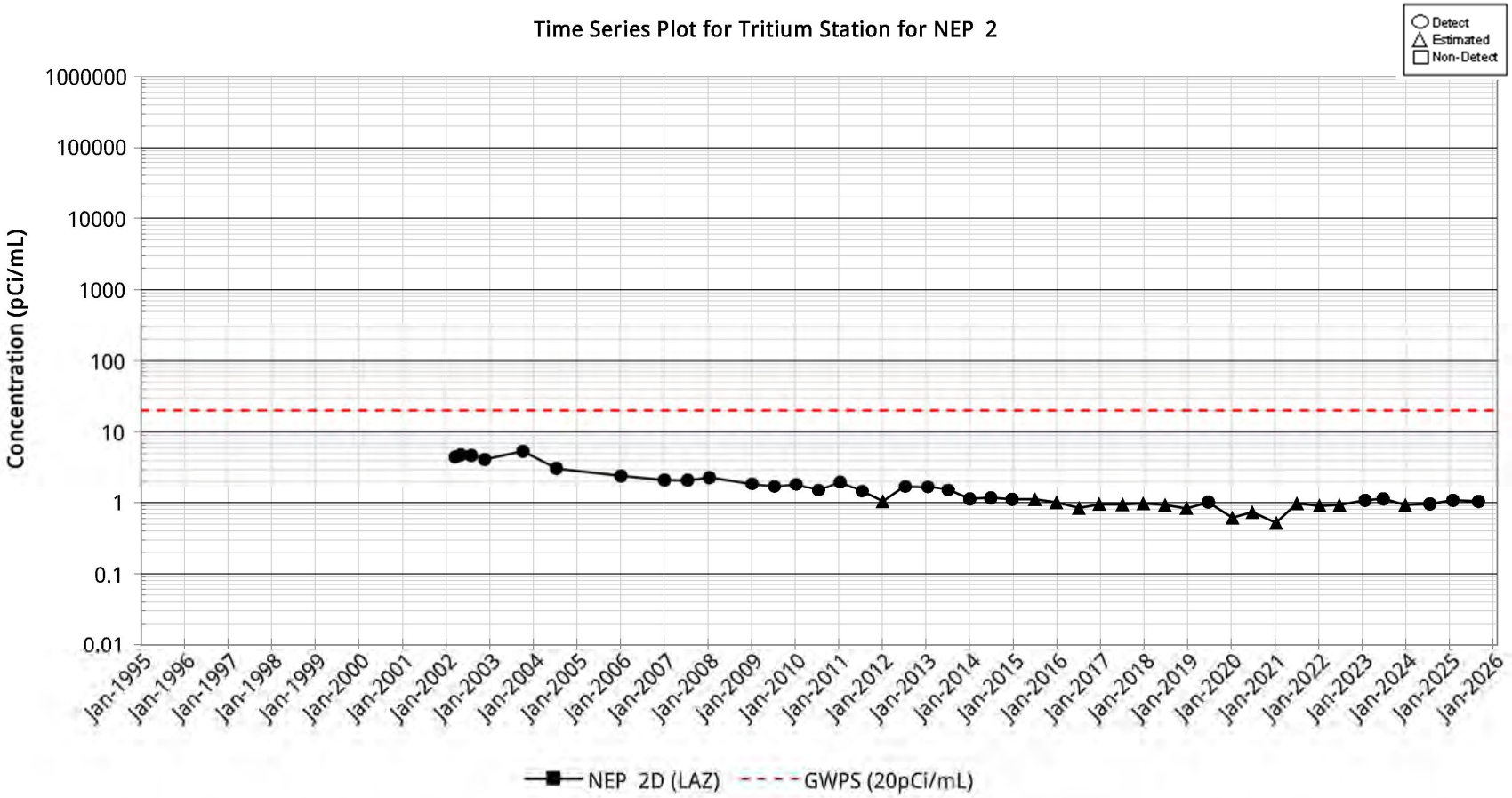
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NEP 1D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NEP 2
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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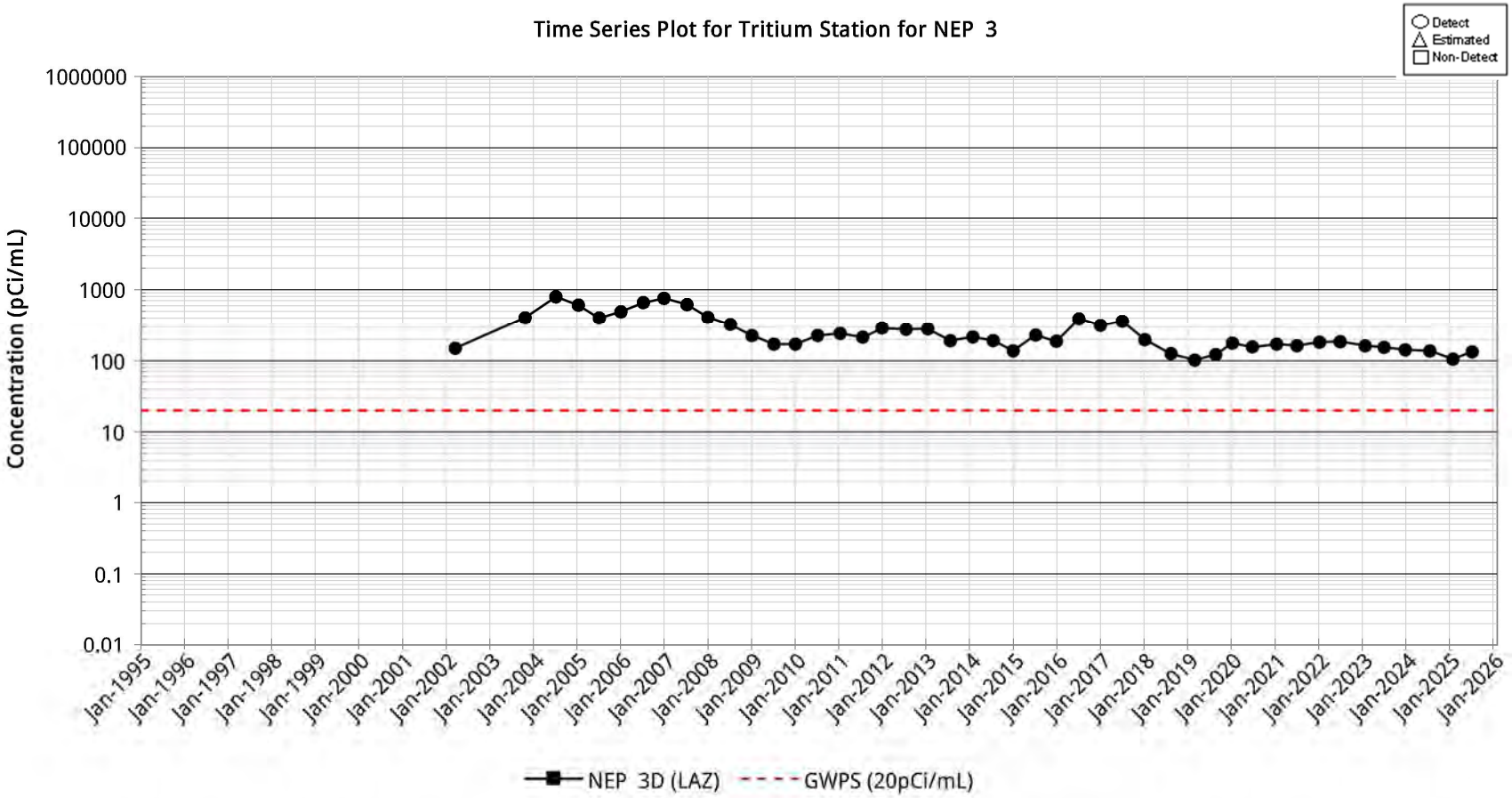
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NEP 2D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NEP 3
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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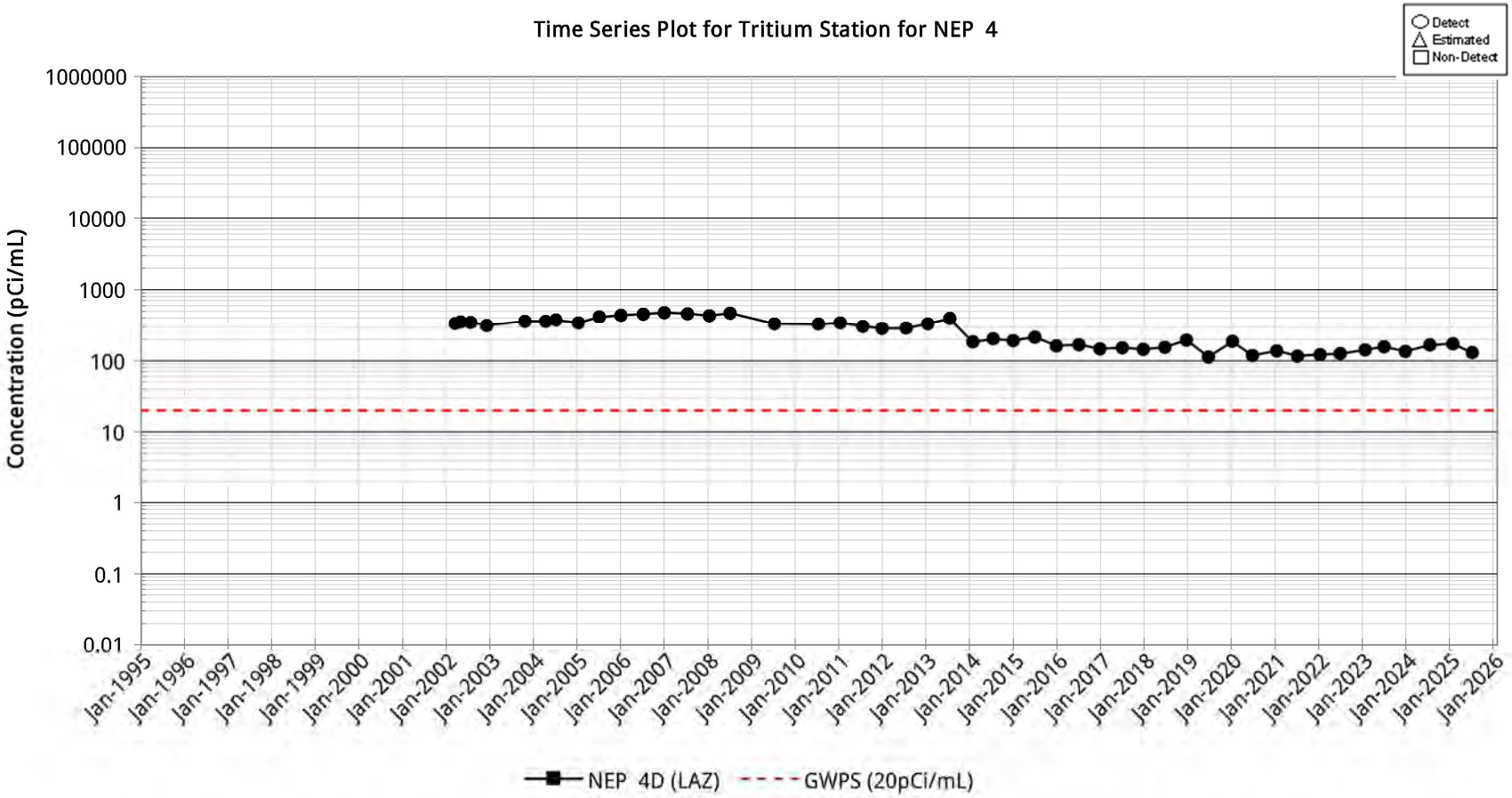
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NEP 3D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NEP 4
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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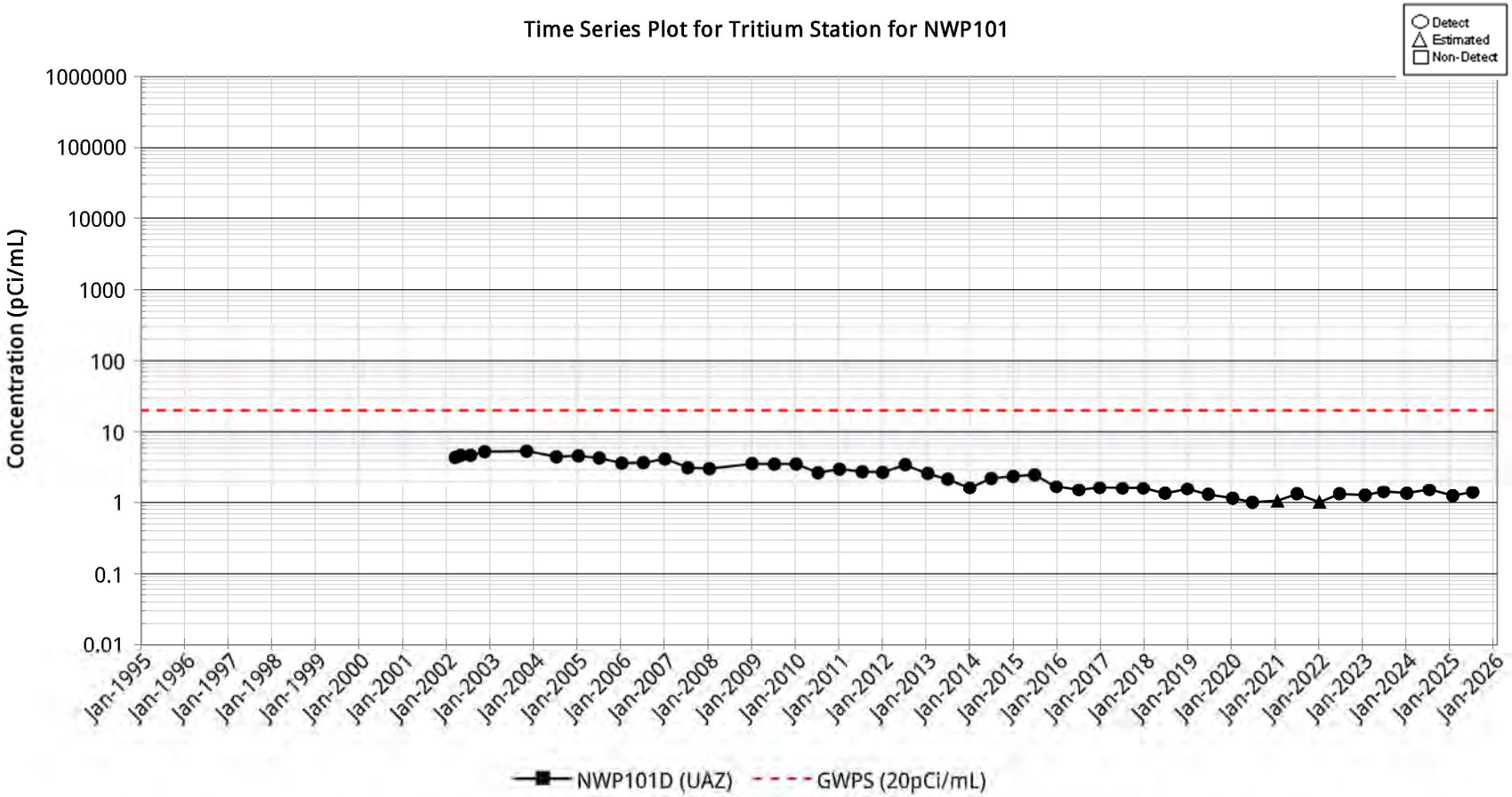
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NEP 4D (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NWP101
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2004
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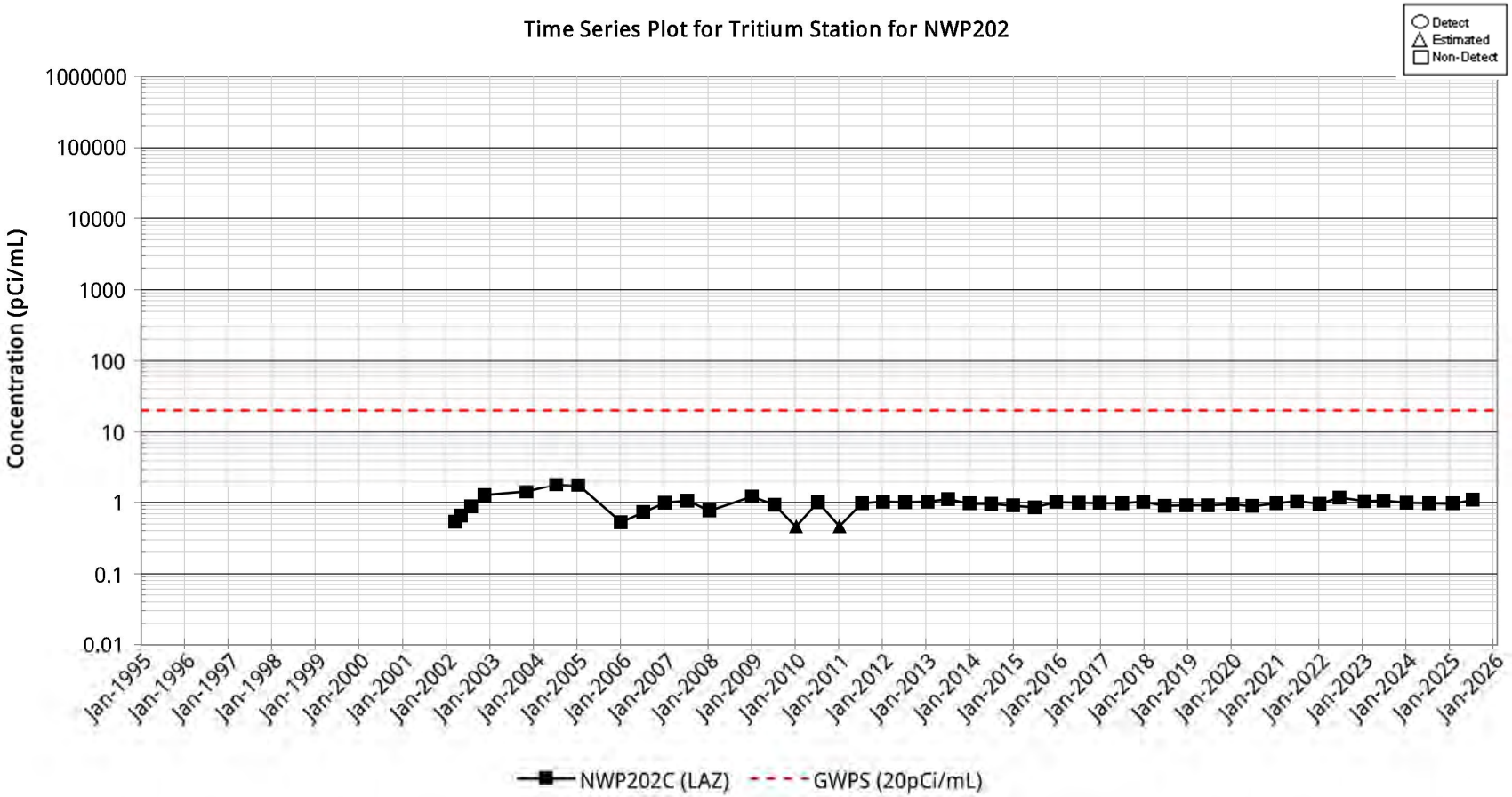
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NWP101D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NWP202
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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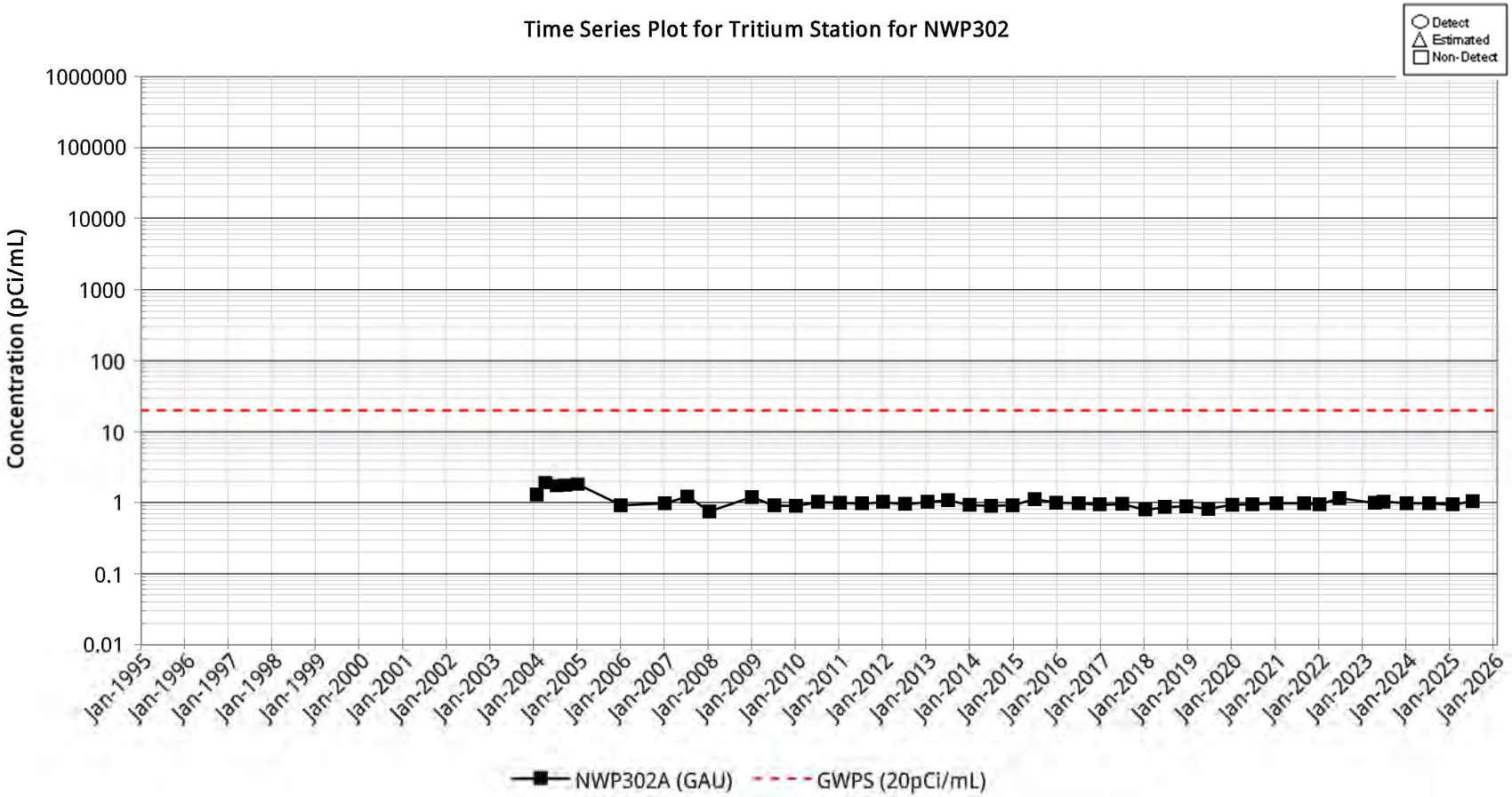
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NWP202C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for NWP302
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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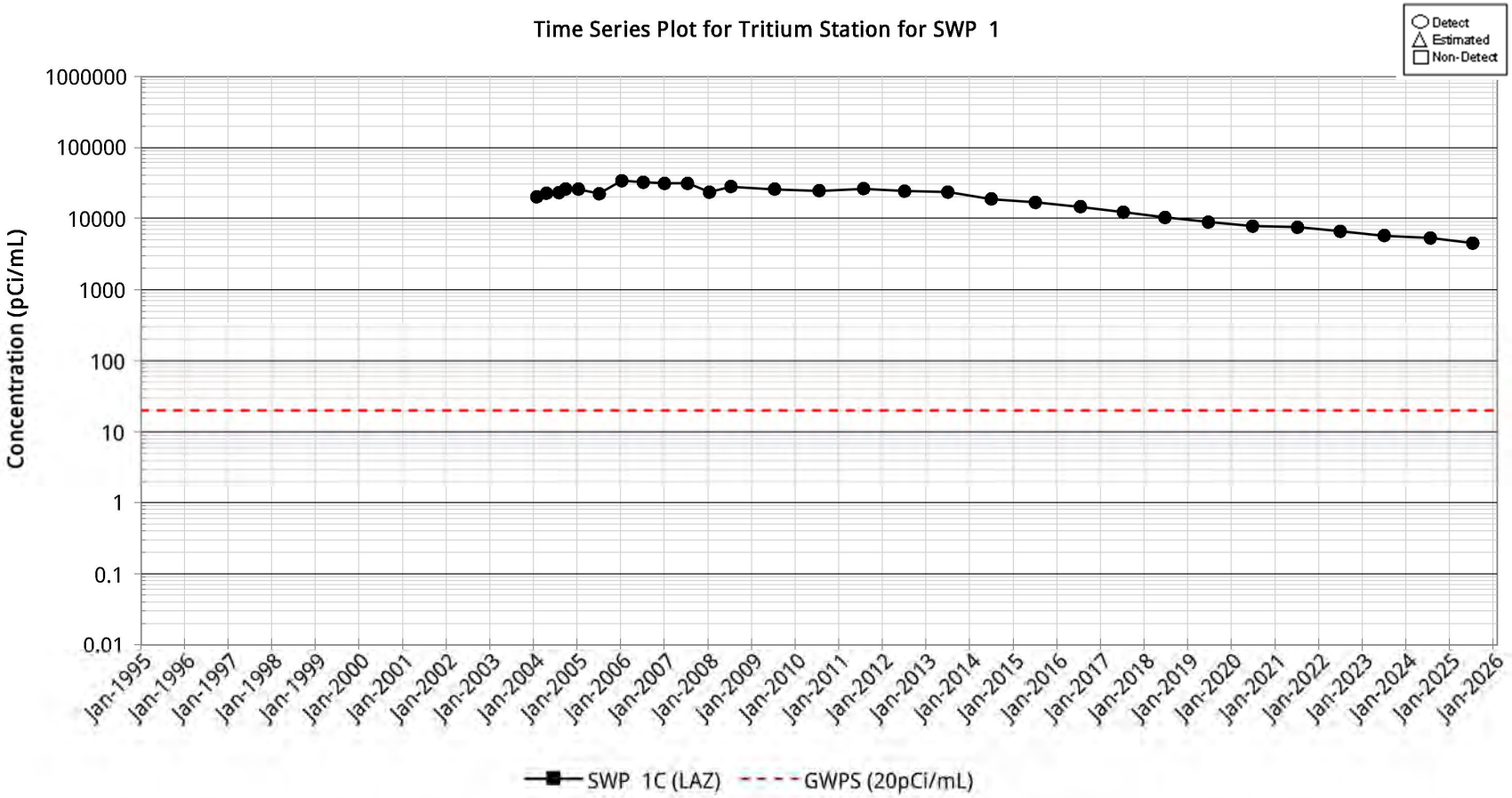
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
NWP302A (GAU)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for SWP 1
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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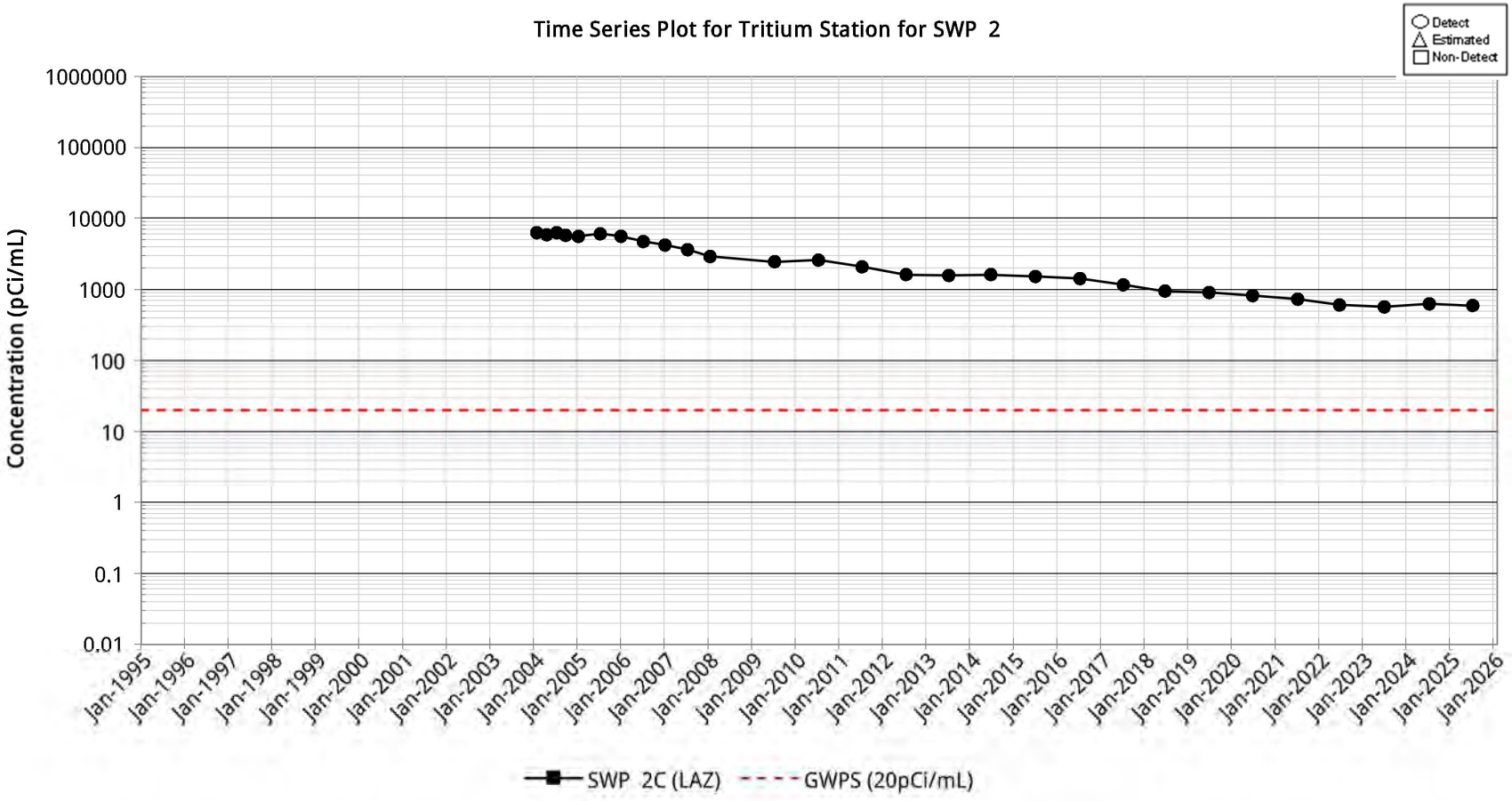
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
SWP 1C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for SWP 2
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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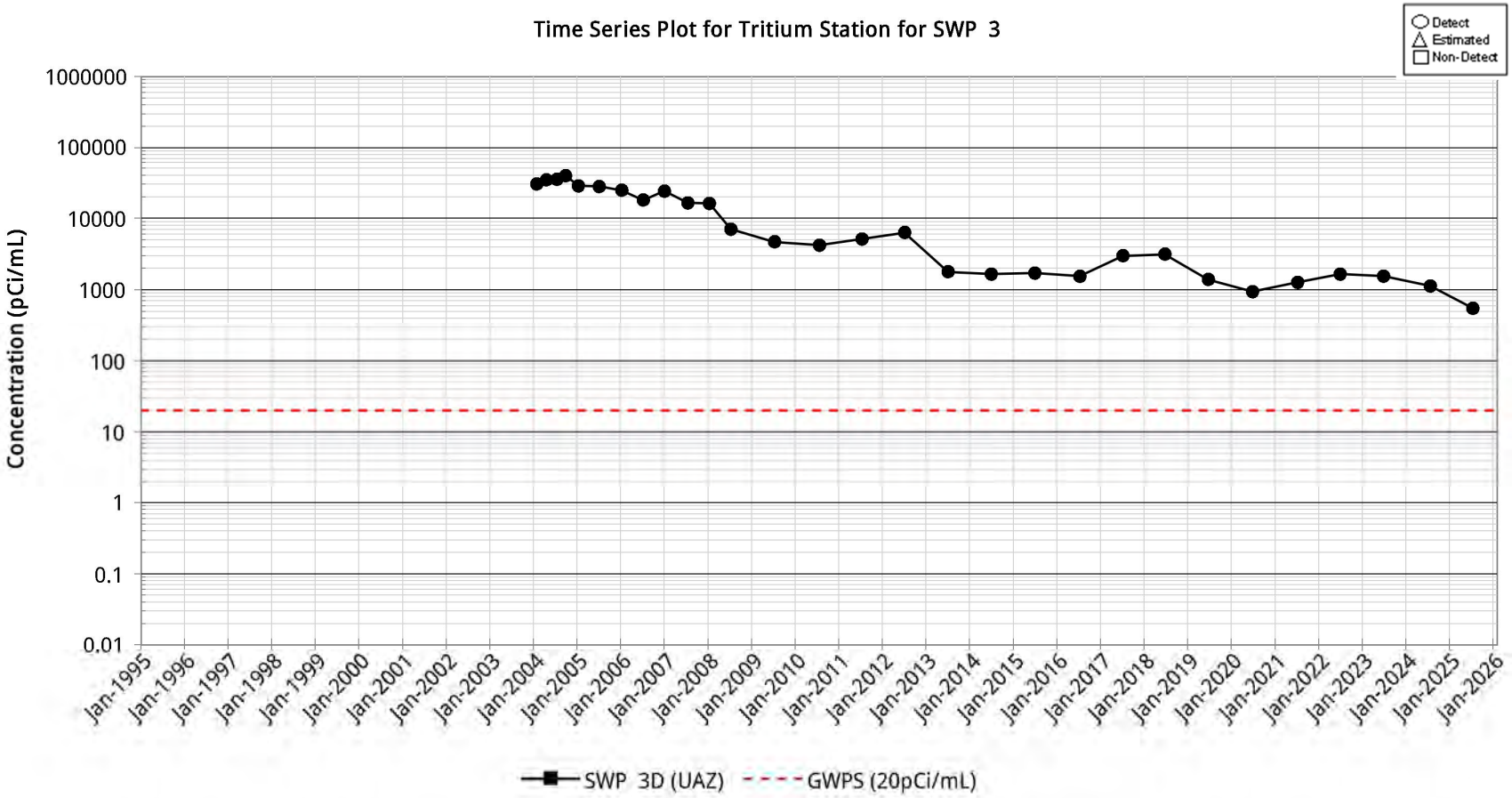
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
SWP 2C (LAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for SWP 3
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2020
Jan-2021
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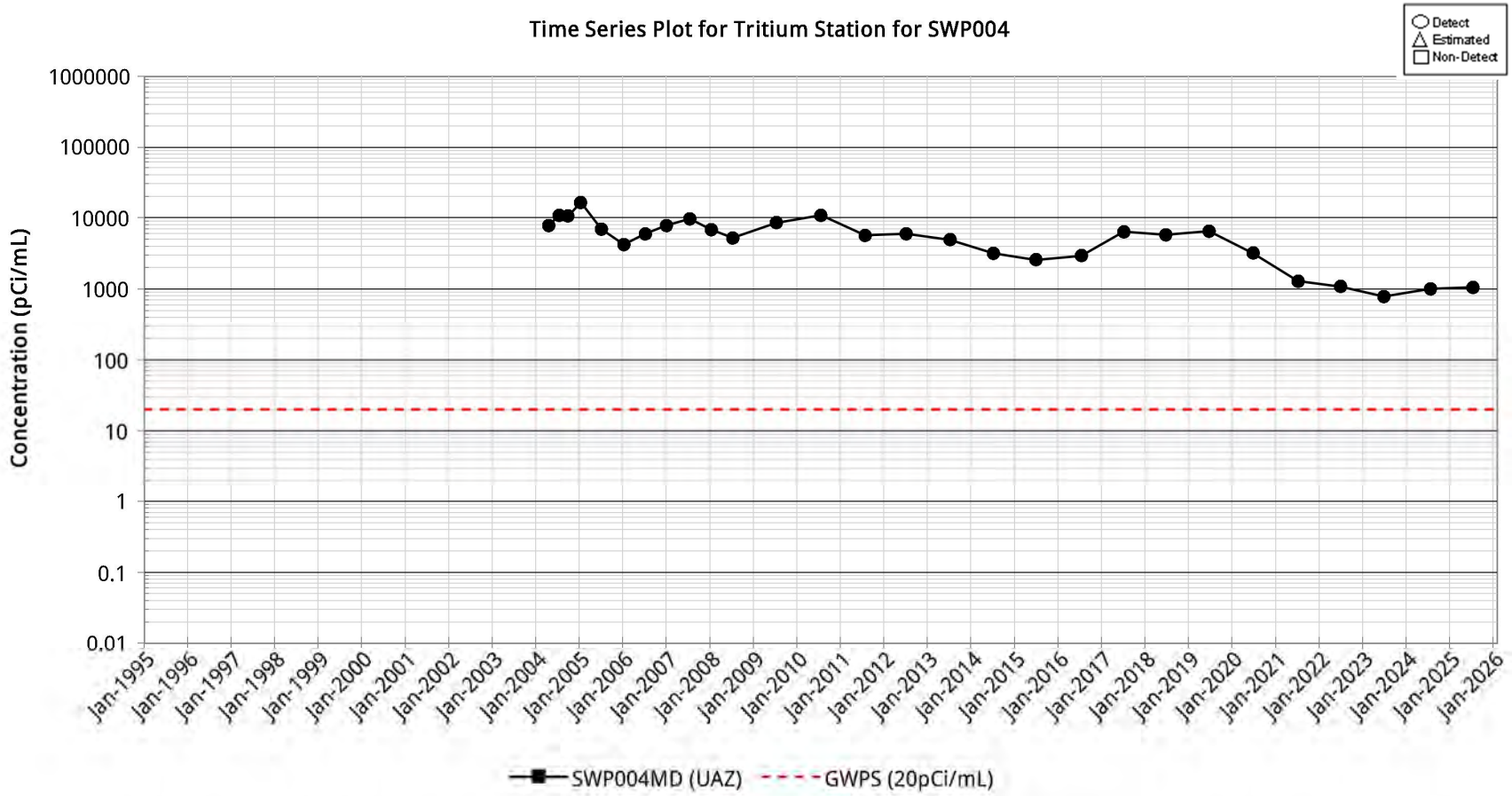
Jan-2023
Jan-2024
Jan-2025
Jan-2026
SWP 3D (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Tritium Station for SWP004
Detect
Estimated
Non-Detect
Concentration (pCi/mL)
1000000
100000
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2023
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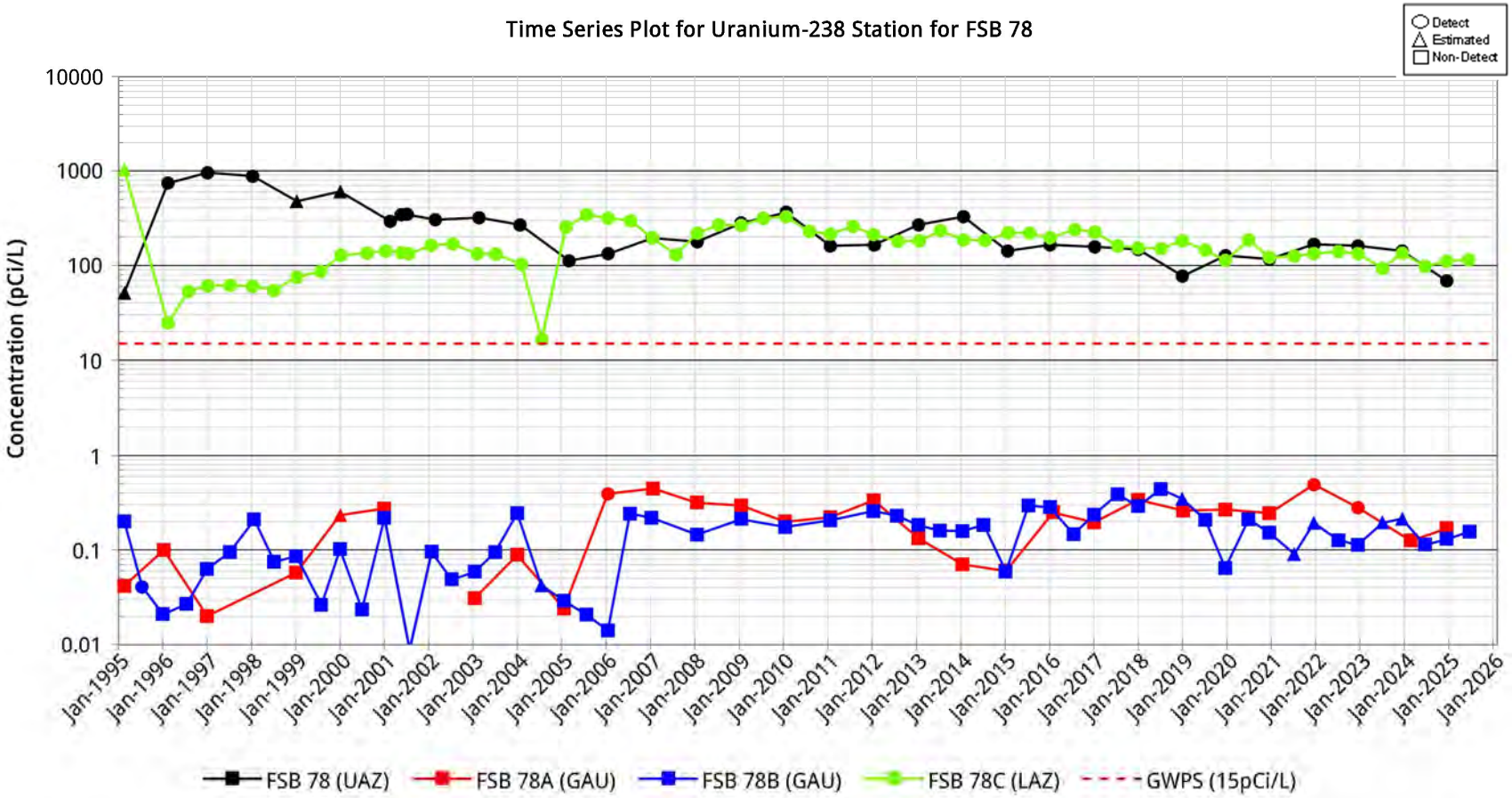
Jan-2025
Jan-2026
SWP004MD (UAZ)
GWPS (20pCi/mL)


Time Series Plot for Uranium-238 Station for FSB 78
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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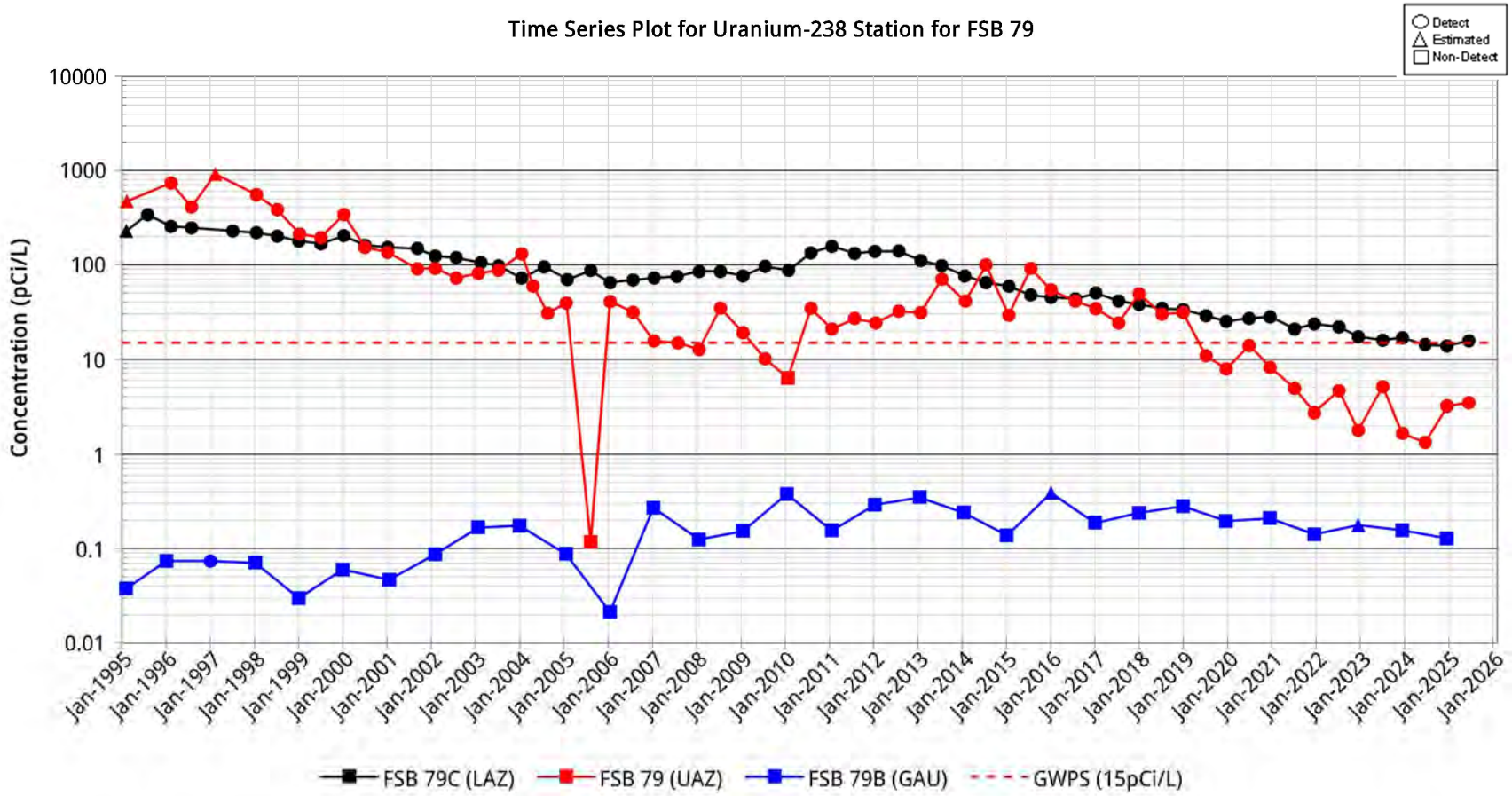
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 78 (UAZ)
FSB 78A (GAU)
FSB 78B (GAU)
FSB 78C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB 79
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2020
Jan-2021
Jan-2022
Jan-2023
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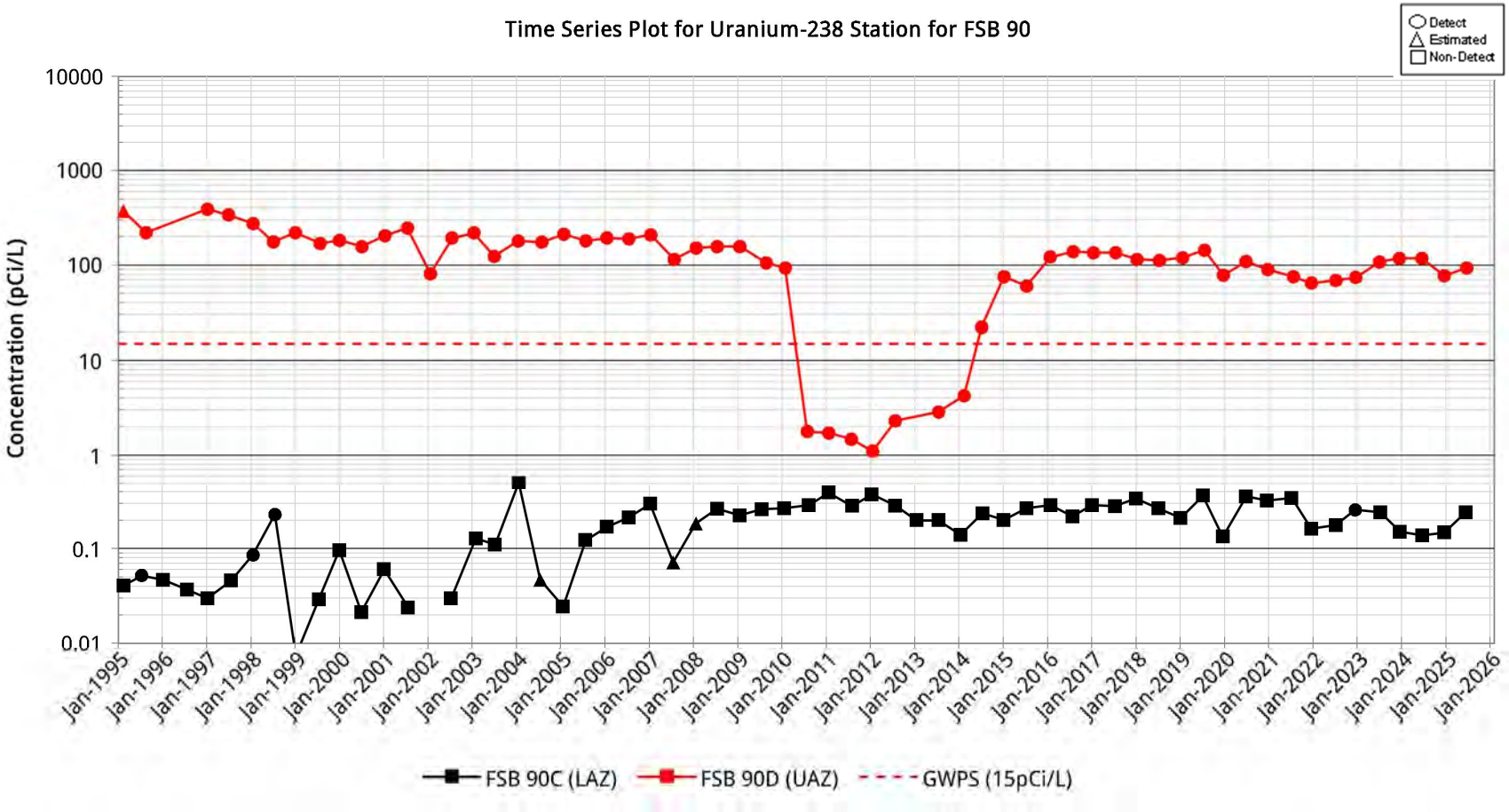
Jan-2026
FSB 79C (LAZ)
FSB 79 (UAZ)
FSB 79B (GAU)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB 90
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2000
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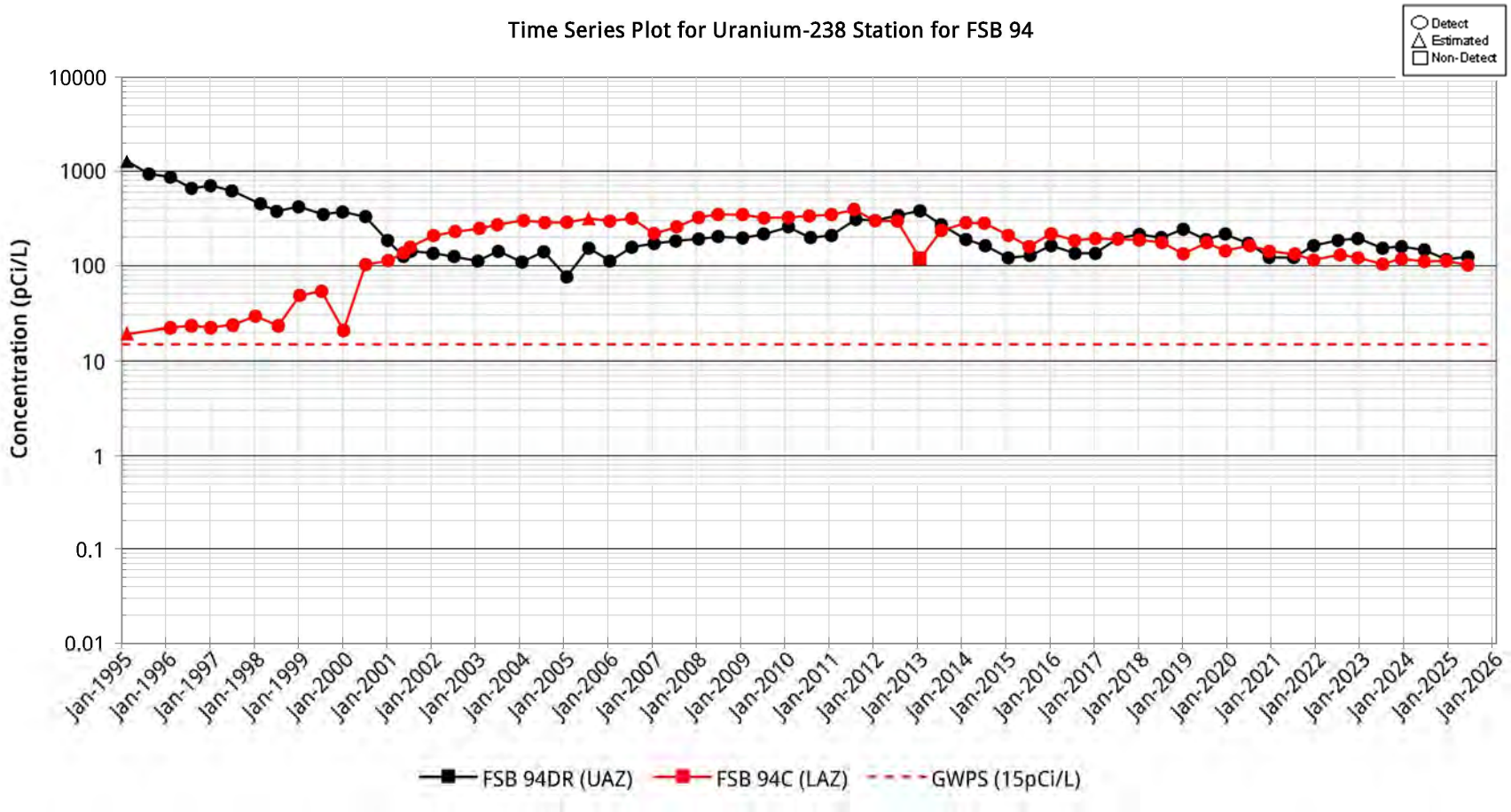
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB 90C (LAZ)
FSB 90D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB 94
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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Jan-2020
Jan-2021
Jan-2022
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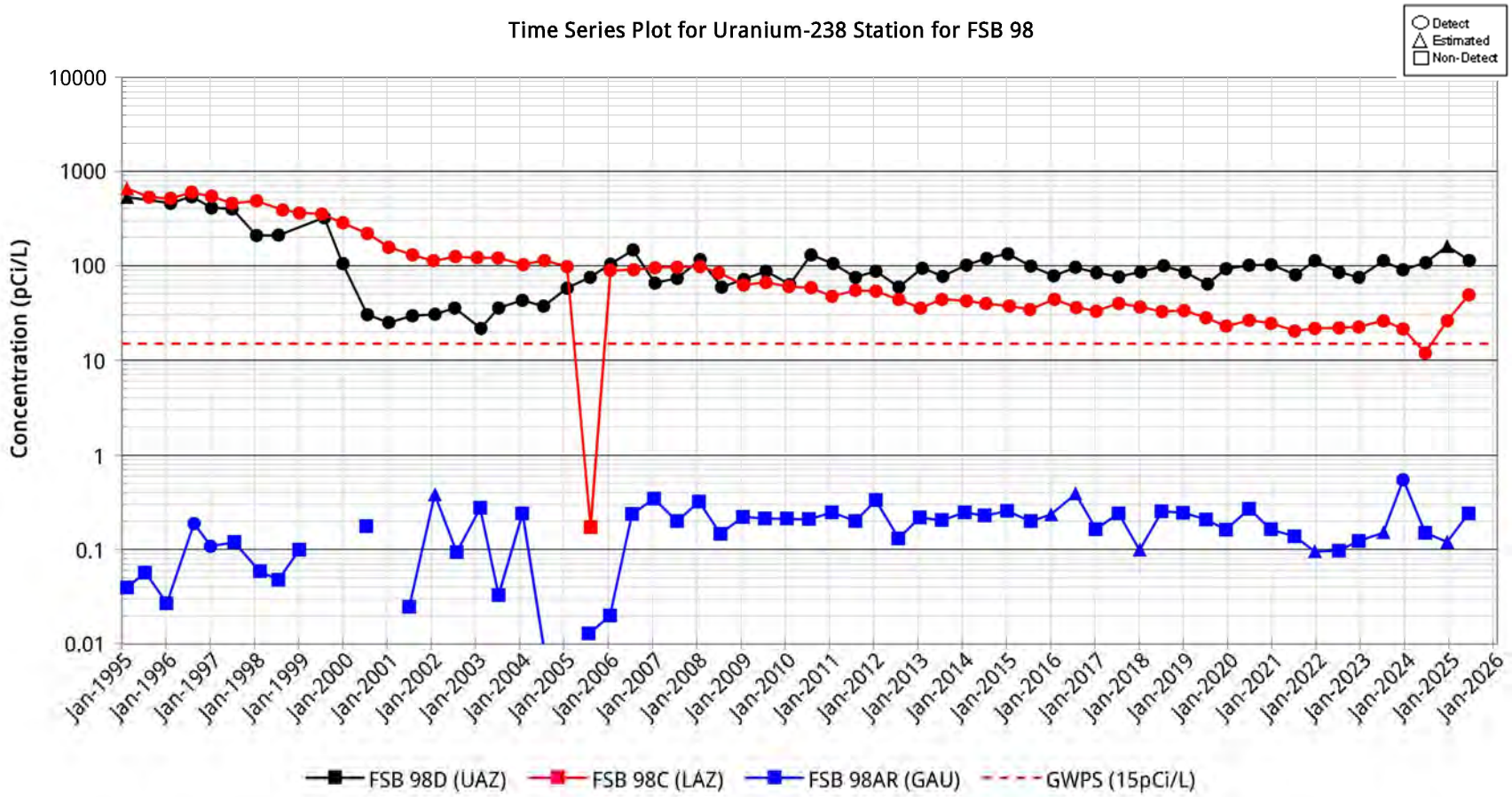
Jan-2025
Jan-2026
FSB 94DR (UAZ)
FSB 94C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB 98
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2021
Jan-2022
Jan-2023
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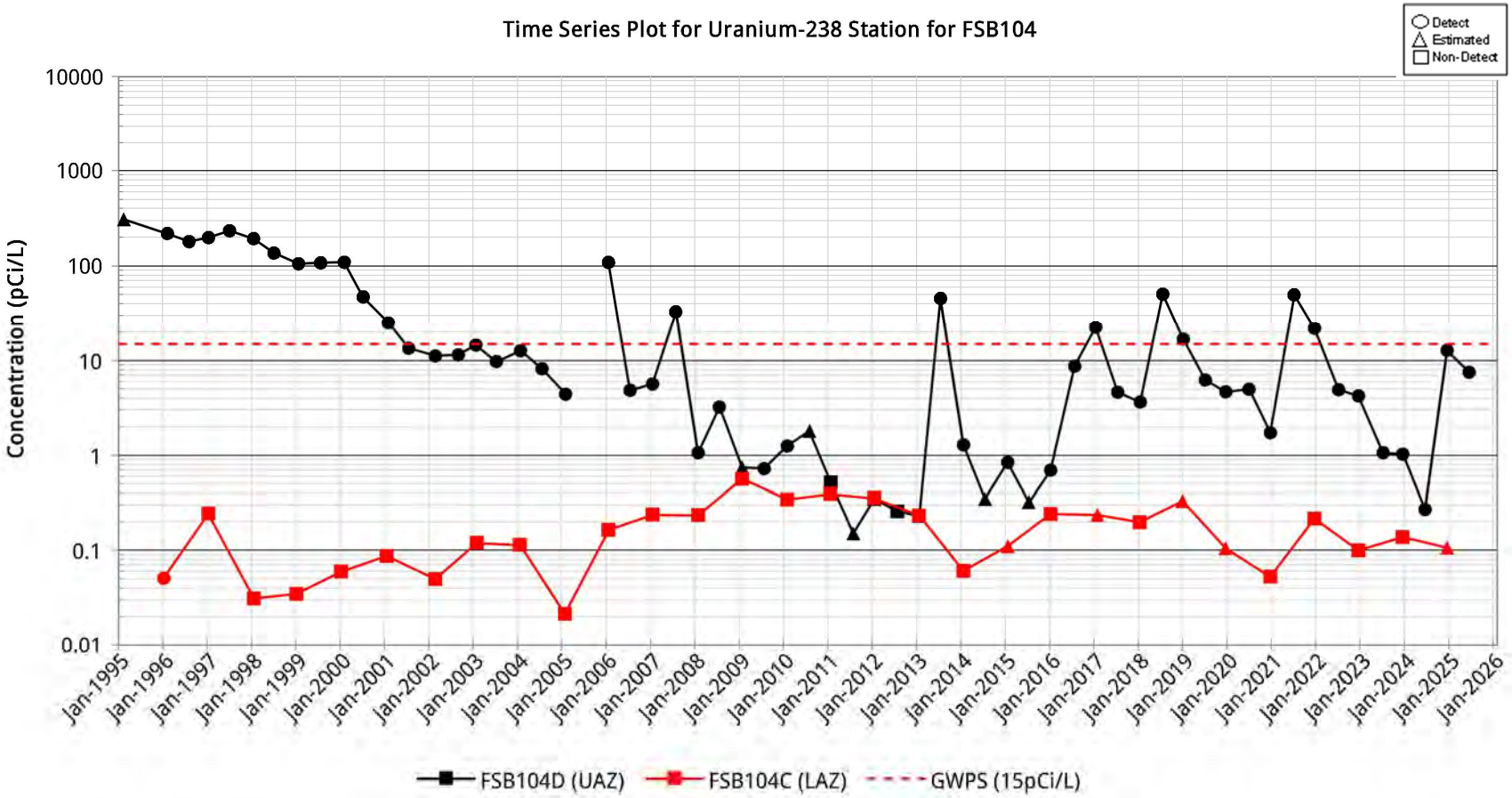
Jan-2026
FSB 98D (UAZ)
FSB 98C (LAZ)
FSB 98AR (GAU)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB104
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2022
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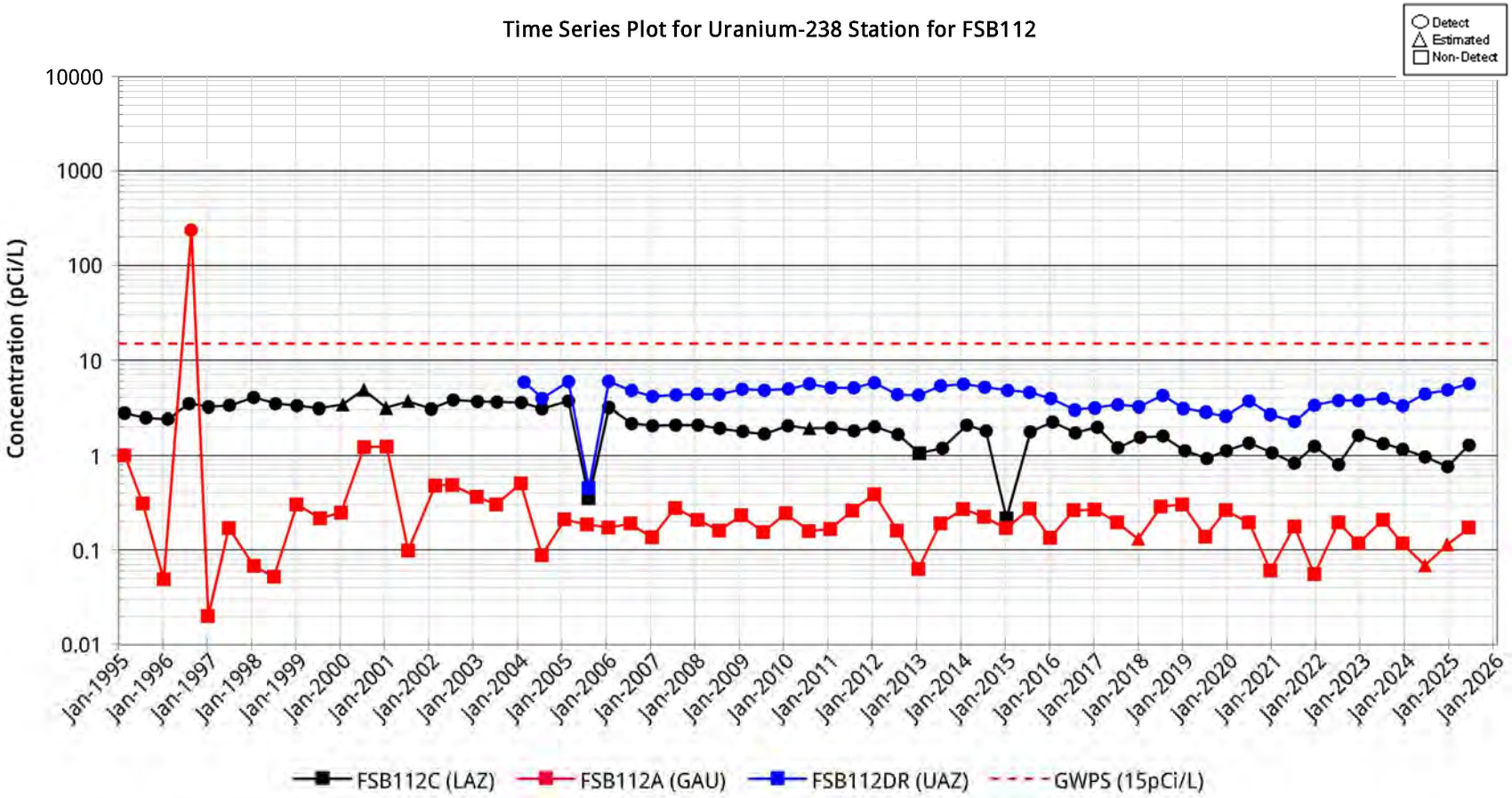
Jan-2024
Jan-2025
Jan-2026
FSB104D (UAZ)
FSB104C (LAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB112
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2023
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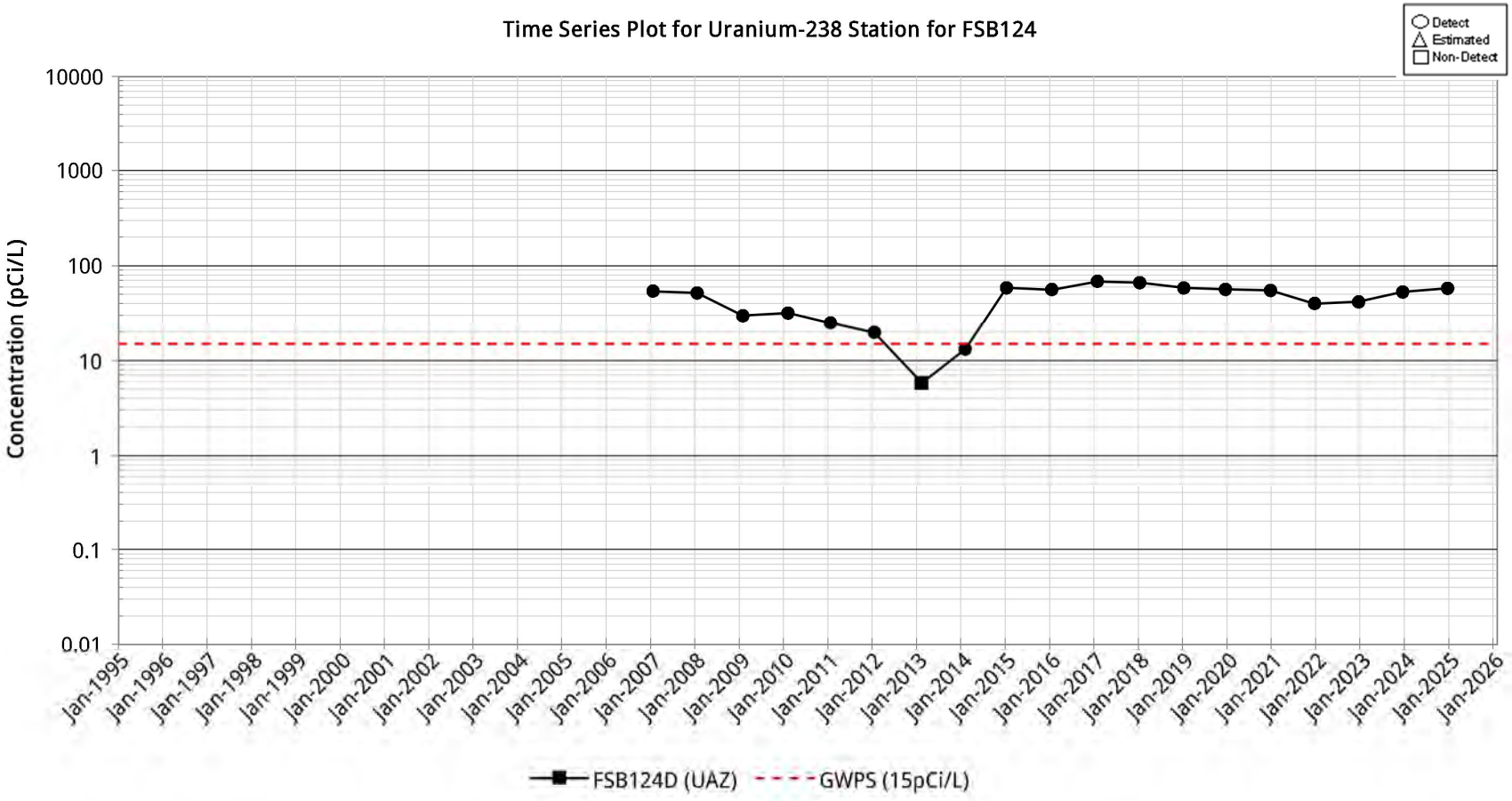
Jan-2026
FSB112C (LAZ)
FSB112A (GAU)
FSB112DR (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB124
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
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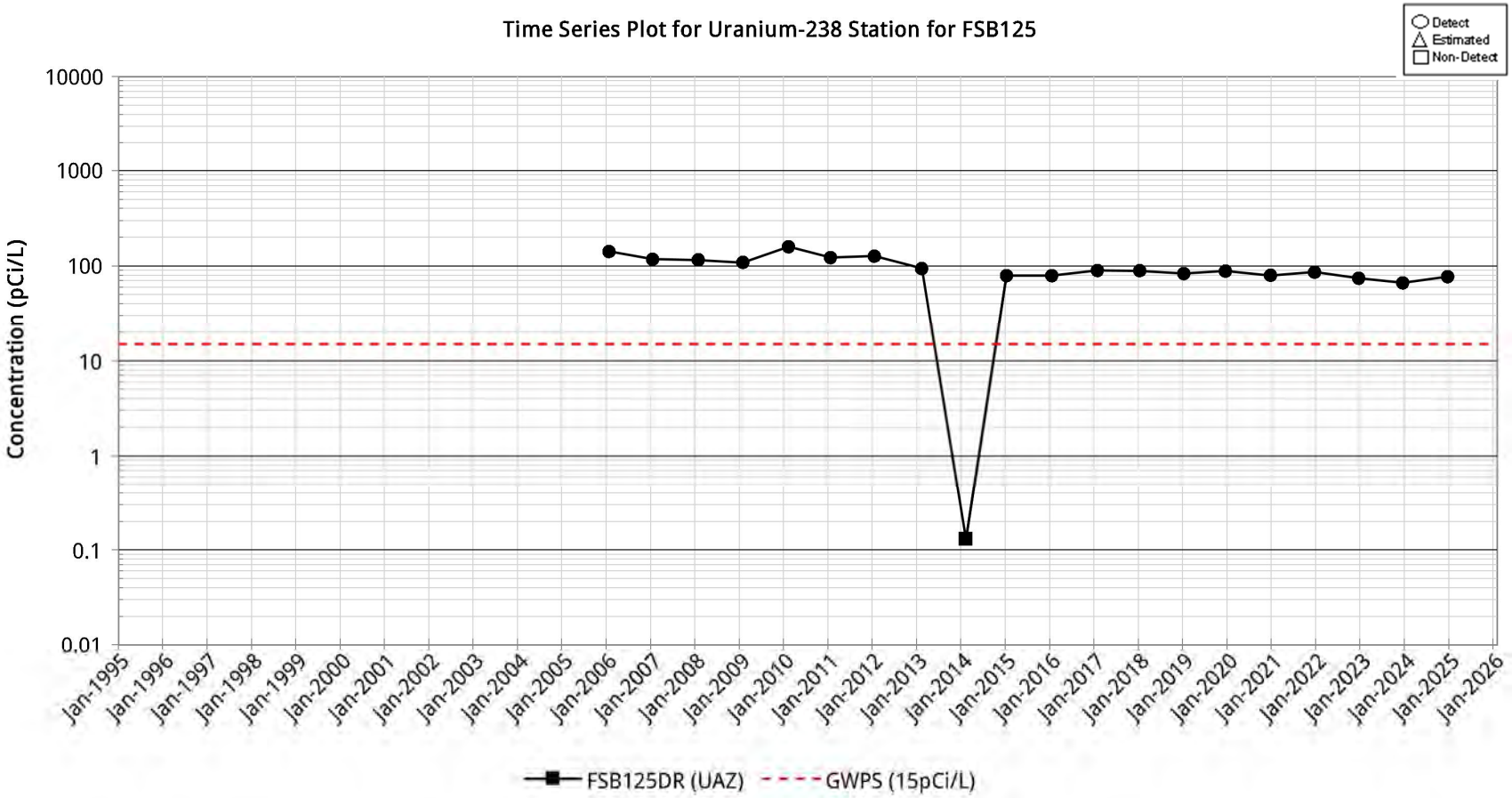
Jan-2025
Jan-2026
FSB124D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB125
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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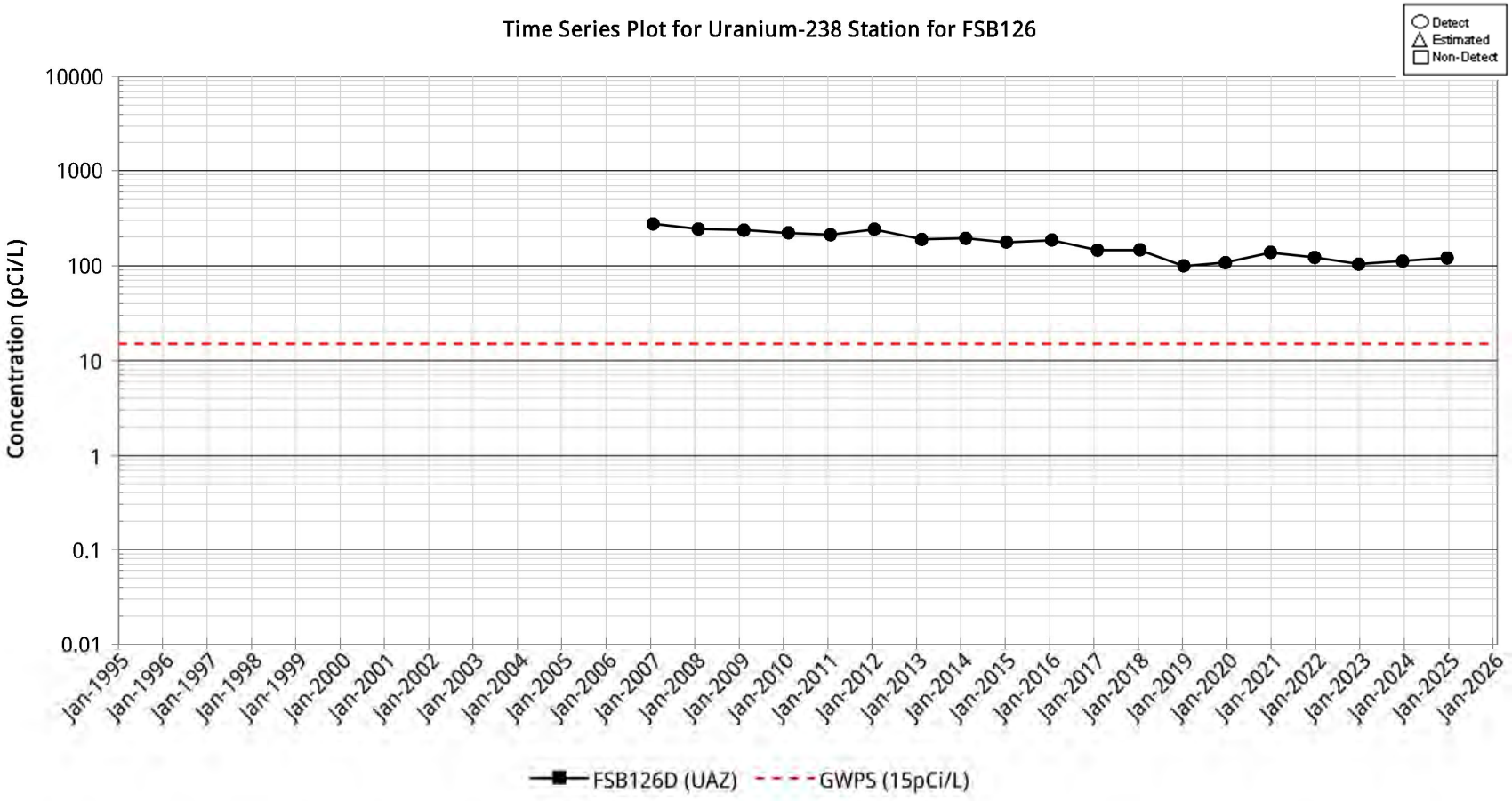
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB125DR (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB126
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2023
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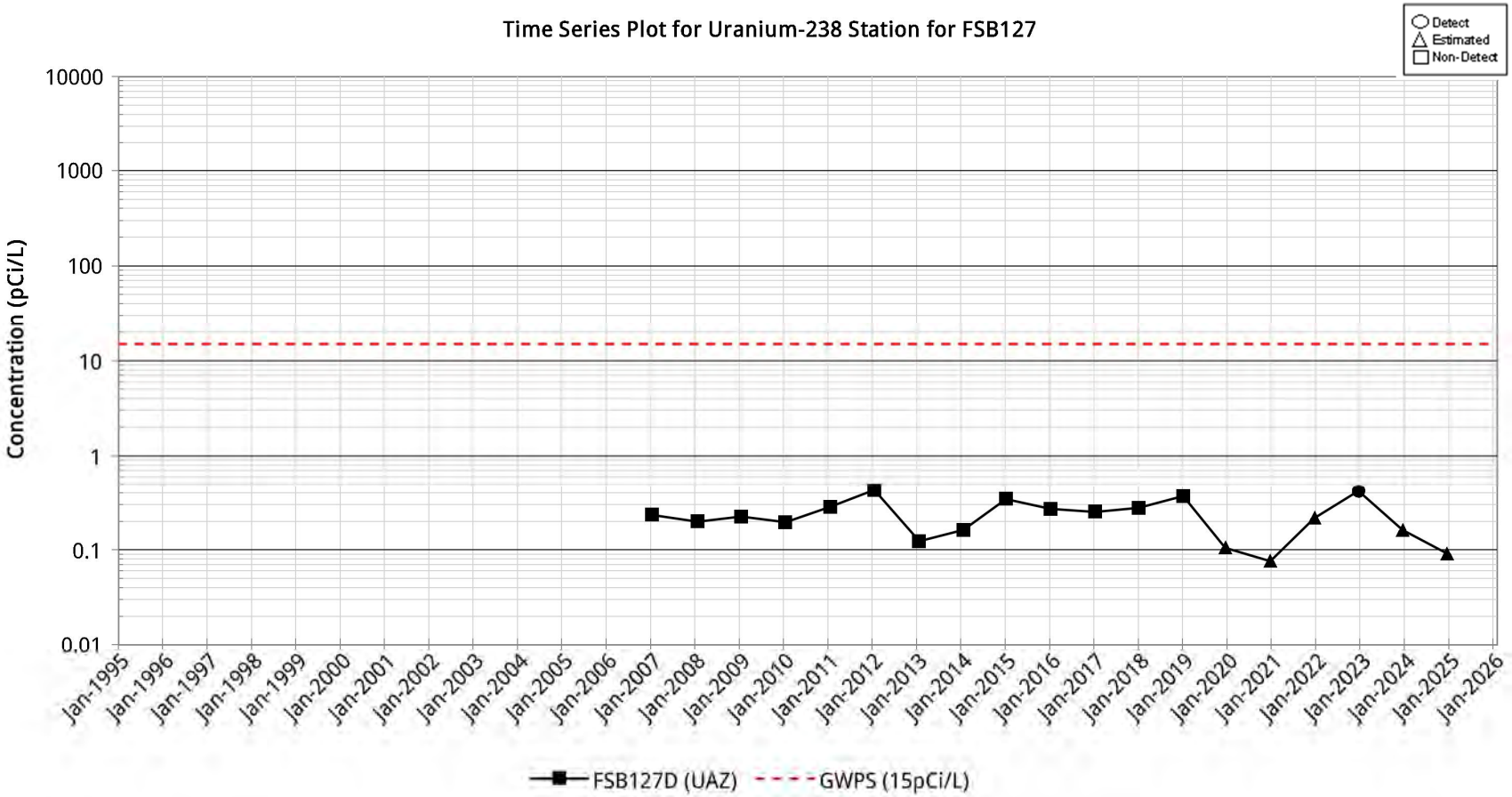
Jan-2025
Jan-2026
FSB126D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB127
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
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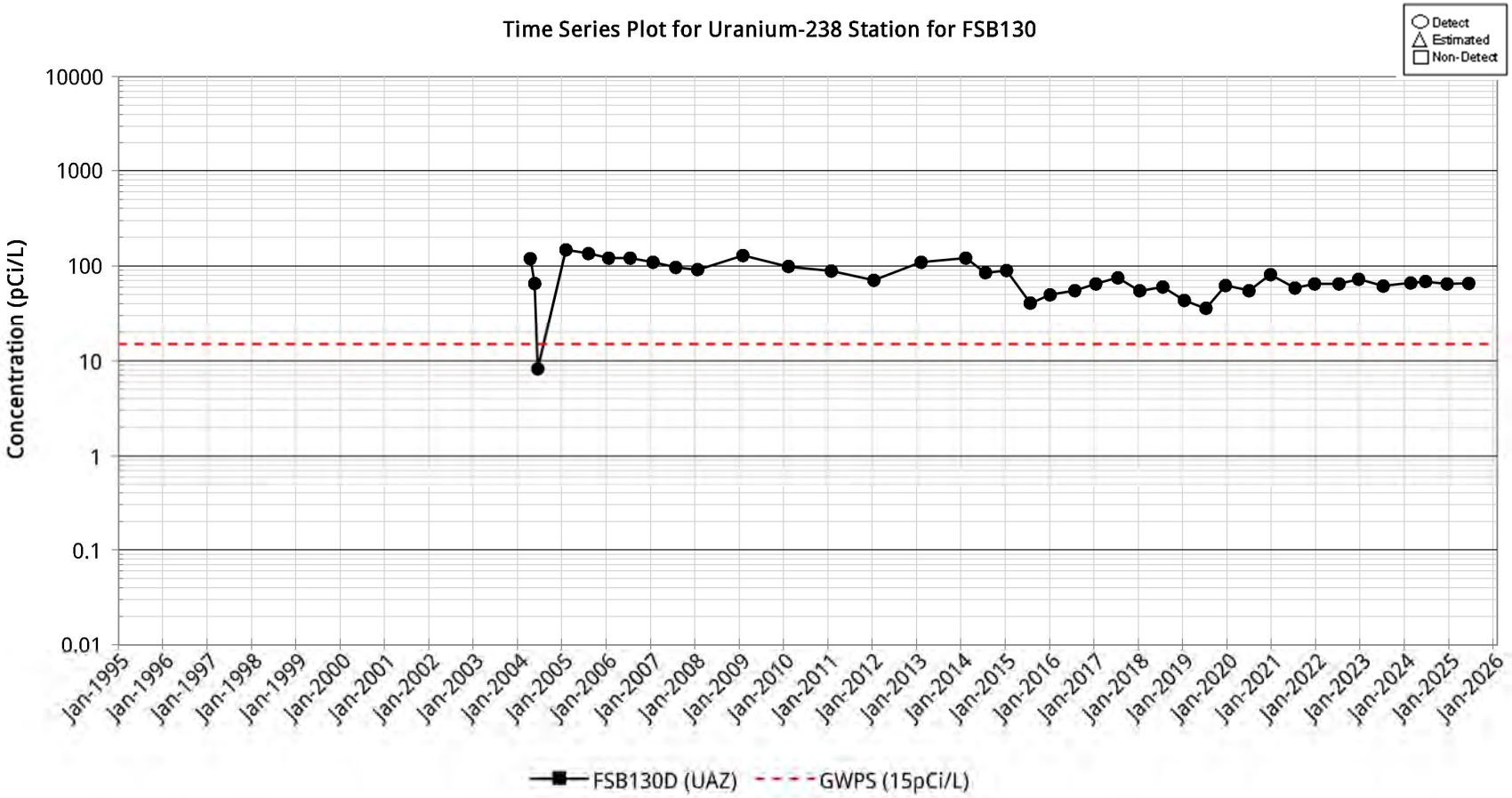
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB127D (UAZ)
GWPS (15pCi/L)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Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
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Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
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Jan-2012
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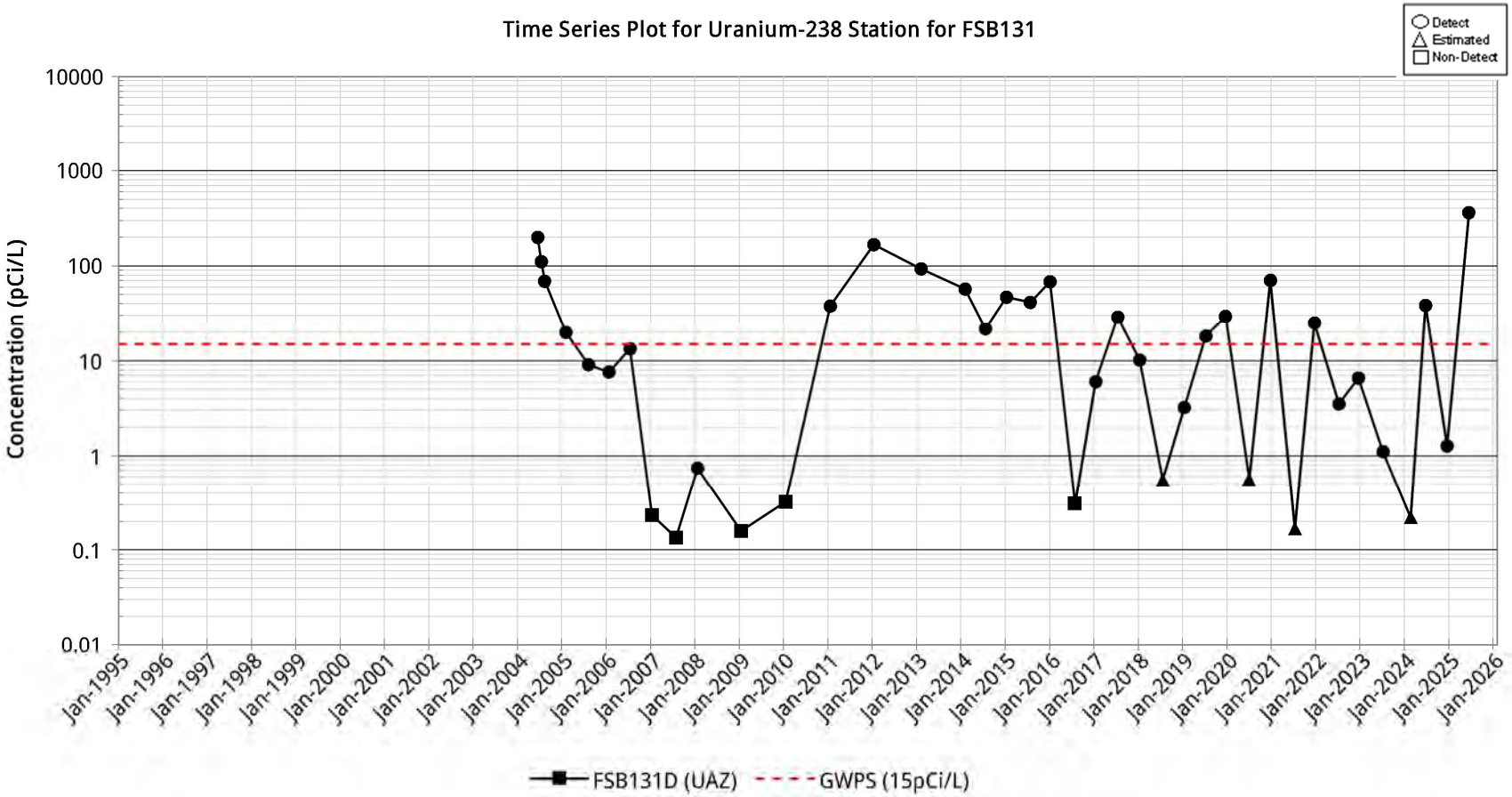
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB130D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB131
Detect
Estimated
Non-Detect
Concentration (pCi/L)
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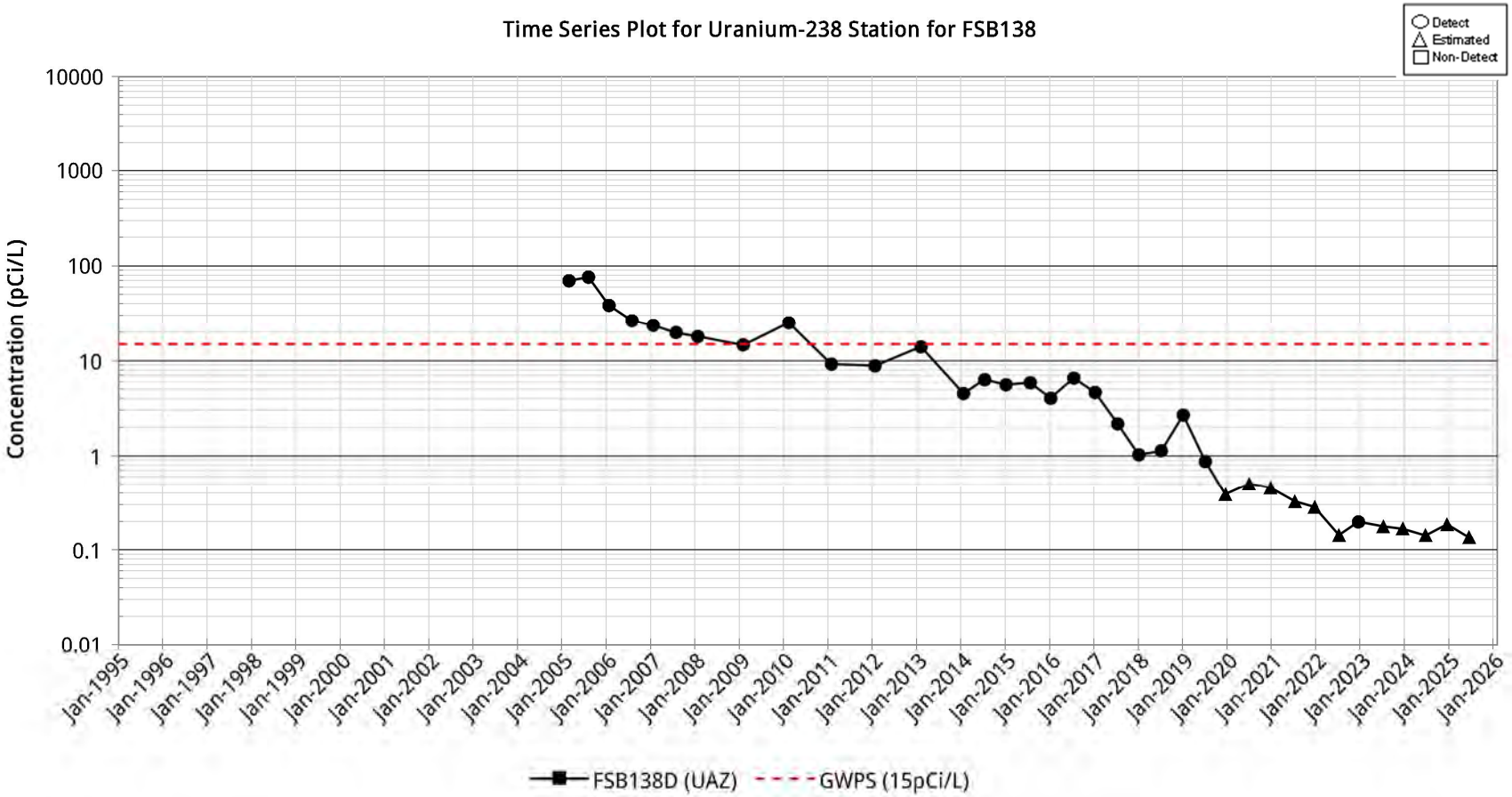
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB131D (UAZ)
GWPS (15pCi/L)


Time Series Plot for Uranium-238 Station for FSB138
Detect
Estimated
Non-Detect
Concentration (pCi/L)
10000
1000
100
10
1
0.1
0.01
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
FSB138D (UAZ)
GWPS (15pCi/L)

APPENDIX F

F-AREA AND H-AREA HAZARDOUS WASTE MANAGEMENT FACILITIES STATISTICAL EVALUATION

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To statistically assess the impact of the barrier walls and base injection, a simple hypothesis test was performed on water level (F- and H-Areas) and pH (F-Area only) data from select wells. To assess water level changes across the barriers, gradients were calculated for select well pairs as shown in Figures 1 and 2. Figure 3 shows the individual wells selected for assessment of pH changes. A brief summary of the statistical analysis follows.

For purposes of these tests, it was assumed that the before/after cutoffs were 2/1/2004 (F-Base injection), 8/1/2004 (F-Barrier), and 9/1/2004 (H-Barrier). The data was averaged by month. The two-tailed hypothesis test used a null hypothesis that the difference between the means (before/after) was zero. A t-statistic was used at a confidence of 95%.

A t-test statistic was calculated using:

$$t = \frac{\bar{x}_b - \bar{x}_a}{\sqrt{s_t^2\left(\frac{1}{n_b} + \frac{1}{n_a}\right)}}$$

where

$$s_t^2 = \frac{(n_b - 1)s_b^2 + (n_a - 1)s_a^2}{n_b + n_a - 2}$$

and $\bar{x}_b$, s_b, and n_b refer to the sample mean, standard deviation, and number (data count) for the *before* dataset, and $\bar{x}_a$, s_a, and n_a refer to the sample mean, standard deviation, and number (data count) for the *after* dataset. At a α=95% confidence level (two-tailed), the test rejects the null hypothesis if either $t > t_{\alpha/2}$ or $t < -t_{\alpha/2}$.

The null hypothesis for the water level gradient statistical test was that the difference between the mean water level gradients for each well pair before and after the installation of the barrier was zero. The null hypothesis for the pH statistical tests was that the difference in well average pH before and after the base injection was zero.

The results of the statistical tests are given in Tables 1 through 3, and Figures 4 through 6. The results summaries indicate: when insufficient data is available for the test, when there is no statistical difference, and when there is a statistical difference.

There are many points within the F Area pH and water level gradient data where there is not enough data to make the statistical test. This is often times a function of the relatively short period of time that the monitoring points have been available for data collection. Under these circumstances it is expected that statistical differences will become more widespread, especially for the water level gradient analyses. The pH differences are a location specific and chemical buffering issue. It maybe that the best locations for monitoring pH change during the base injection TA were not monitored, that more base was required, or that additional time is needed to eventually see changes at the down-gradient locations. Also the down-gradient path of the injected base in several areas was somewhat different than initially expected.

The water level gradient statistical evaluation for the H Area shows three well pairs that have statistical differences in gradient even though the barrier has been in place for a relatively short period of time. There are three well pairs with no statistical difference. It is thought that statistical differences will eventually become apparent for two of the pairs, but not the HSB147D to HSB138D pairs (located outside of the barrier system).

Table 1. F-Area pH Statistical Test Results Summary

Not enough data to test.	No statistically significant indication that the before/after means are different.	Statistically significant indication that the before/after means are different.
FB I13D, FB I14D, FB I16D, FEX 1, FEX 2, FEX 3, FEX 5, FEX 6, FEX 7, FOB 1D, FOB 13D, FOB 14D, FOB 16D, FPZ 2A, FPZ 5A, FPZ 5B, FPZ 6A, FPZ 6B, FPZ 7A, FPZ 7B, FSB 106D, FSB 112D, FSB 112DR, FSB 124D, FSB 125D, FSB 125DR, FSB 126D, FSB 127D, FSB 128D, FSB 129D, FSB 130D, FSB 131D, FSB 132D, FSB 133D, FSB 134D, FSB 135D, FSB 136D, FSB 137D, FSB 138D, FSP 2A, FSP 2B, FSP 47A, FSP 12A, FSP 204A, FSP 226A, FSP 249A, FSP 249B	FEX 4, FSB 78, FSB 110D, FSB 117D, FSB 121DR, FSB 122D	FB I15D, FB I17D, FSB 79, FSB 104D, FSB 118D

Table 2. F-Area Water Level Gradient Statistical Test Results Summary

Not enough data to test.	No statistically significant indication that the before/after means are different.	Statistically significant indication that the before/after means are different.
FIB 8 to FBI 15D FIT 5 to FSB 135D FIT 5 to FSB 136D FOB 2D to FOB 14D	FSB 110D to FS B79, FSB 112DR to FSB 136D	FSB 126D to FSB 79

Table 3. H-Area Water Level Gradient Statistical Test Results Summary

Not enough data to test.	No statistically significant indication that the before/after means are different.	Statistically significant indication that the before/after means are different.
--	HSB 153D to HSB 68DR, HSB 66D to HSB 69, HSB 147D to HSB 138D	HSB 154D to HSB 115D, HSB 153D to HSB 108D, HSB 112D to HSB 69

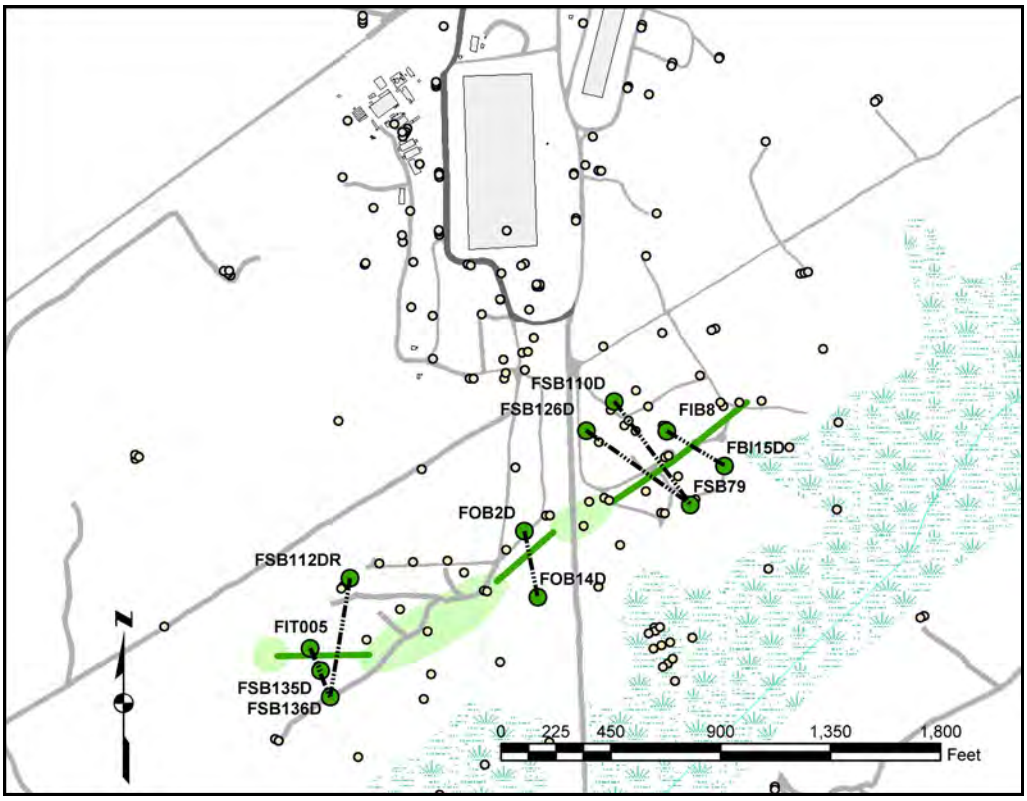

Figure 1. F-Area Well Pairs used for Statistical Analysis of Gradient

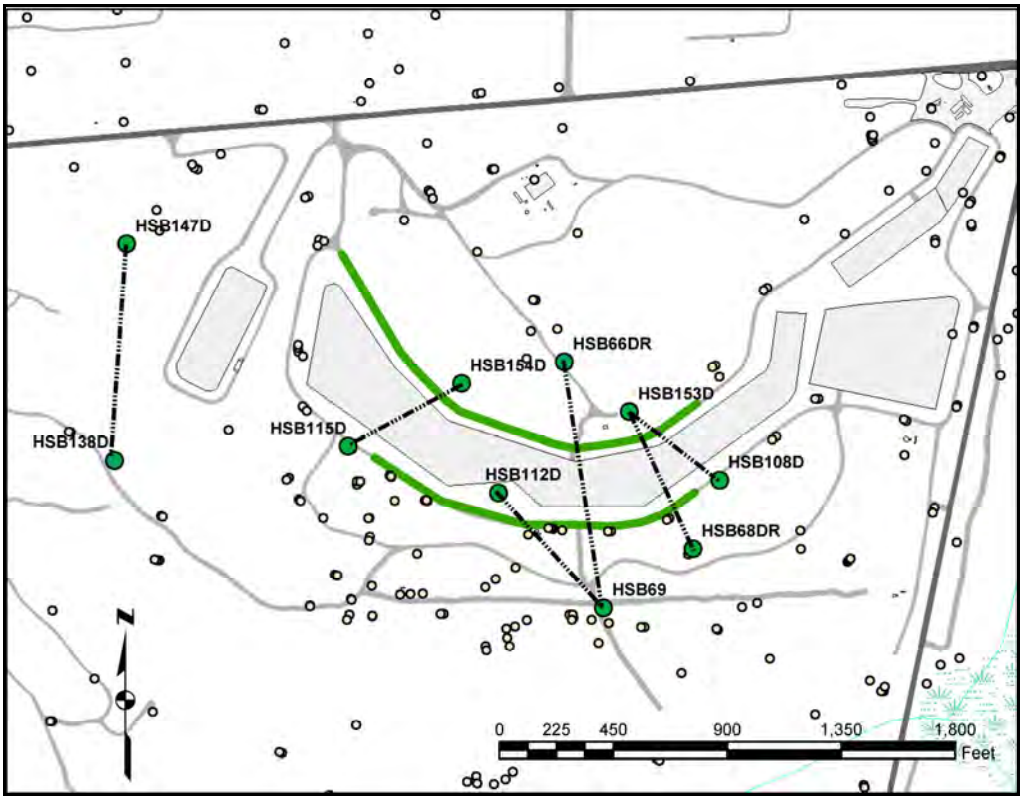

Figure 2. H-Area Well Pairs used for Statistical Analysis of Gradient

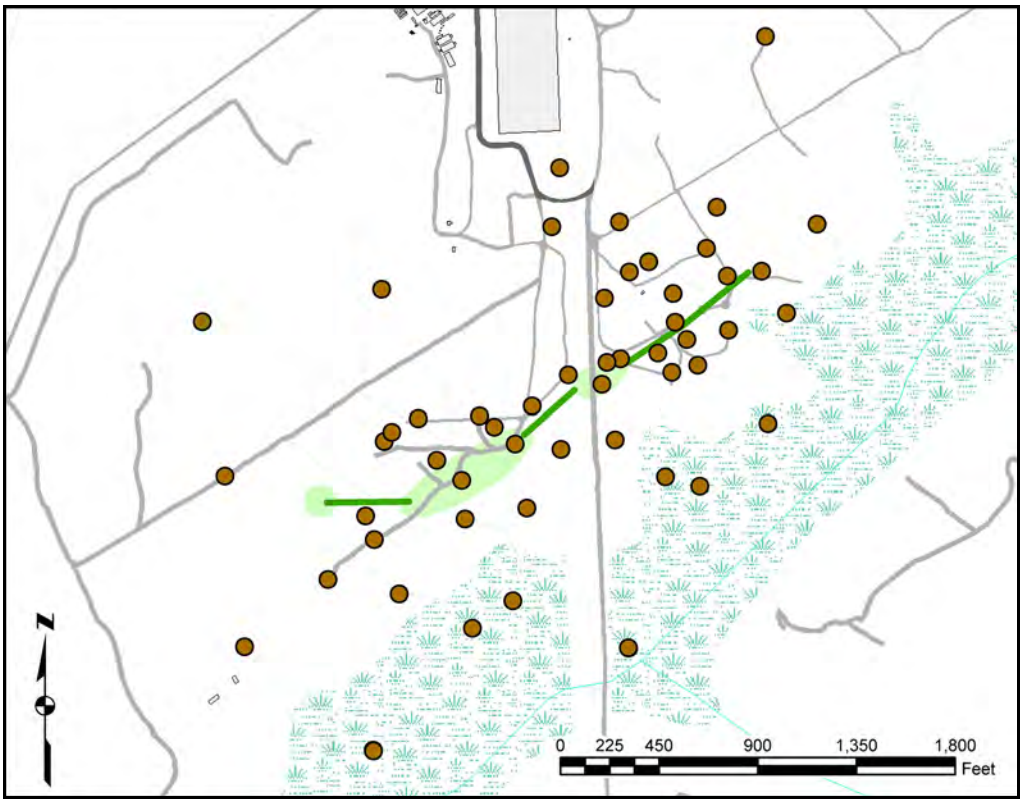

Figure 3. F-Area Wells used for Statistical Analysis of pH

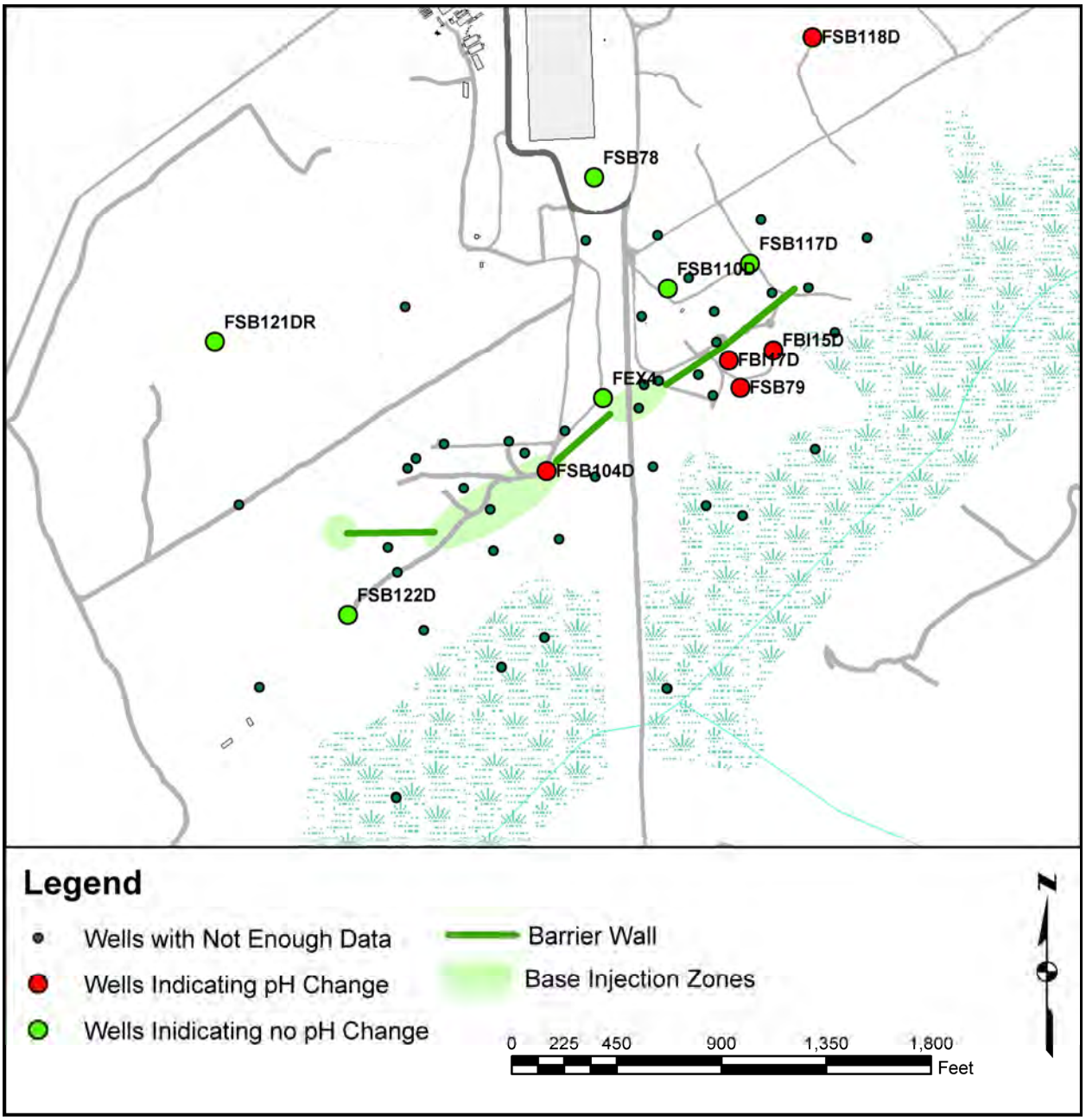

Figure 4. Statistical Analysis of pH Results

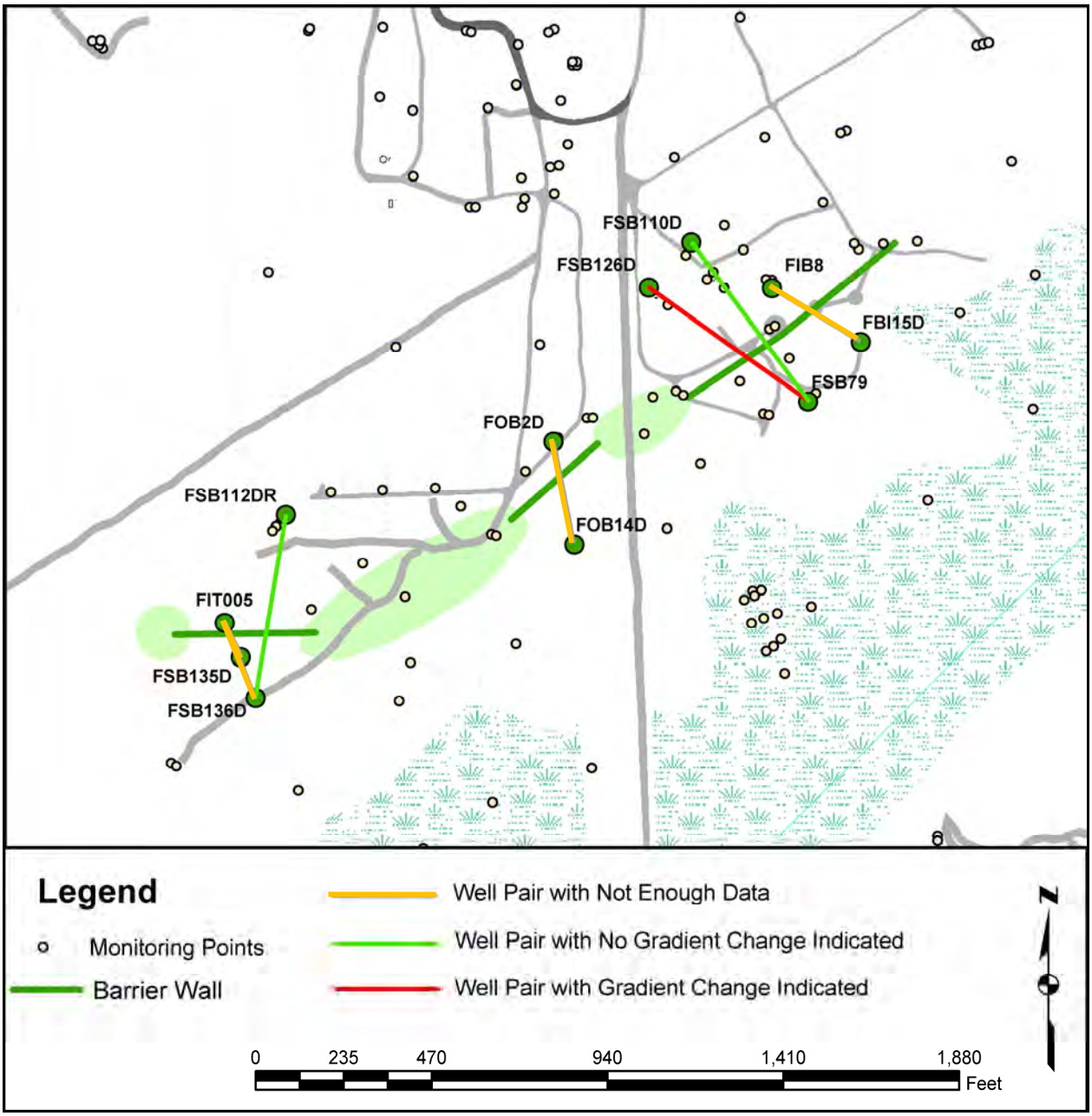

Figure 5. Statistical Analysis of F-Area Water Level Gradients Results

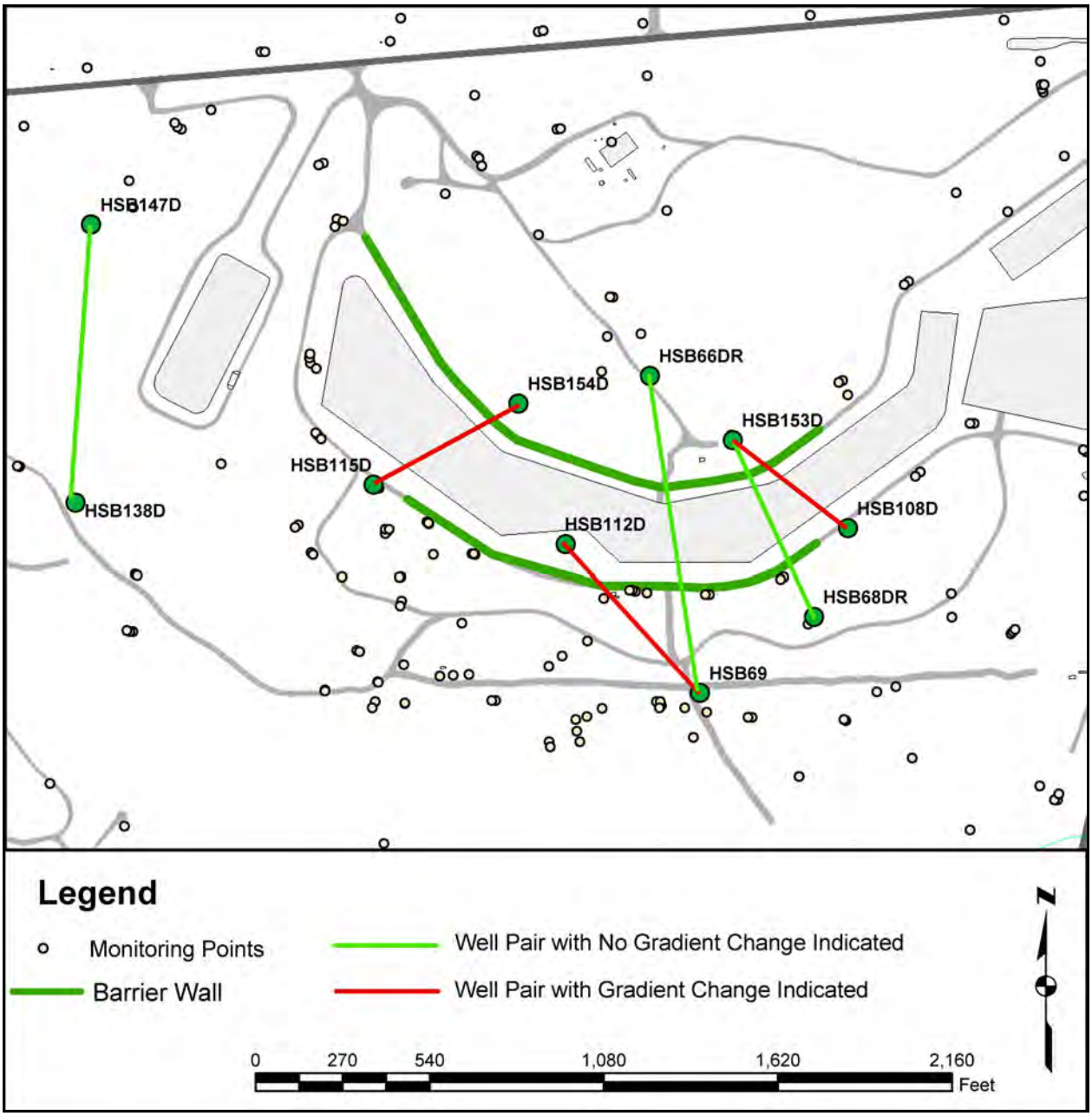

Figure 6. Statistical Analysis of H-Area Water Level Gradients Results

APPENDIX G

MIXED WASTE MANAGEMENT FACILITY

ESTIMATING EVAPO-TRANSPIRATION LOSSES FOR TRITIUM AT THE MWMF: 2025 ANNUAL DATA

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Phytoremediation
Old Rad Waste Burial Ground (ORWBG)
Mixed-Waste Management Facility (MWMF)
Evapotranspiration (ET)

Estimating Evapotranspiration Losses for Tritium at the MWMF: 2025 End of Year Summary Report

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SUMMARY

A series of tritium mass balance calculations were conducted in support of the Mixed Waste Management Facility (MWMF) to estimate the efficiency of the phytoremediation system in removing tritium applied via irrigation (i.e., Evapotranspiration efficiency, HTO irrigation efficiency, or ET efficiency) based on soil cores that were collected in March and November of 2025. Results generated using the Cornell 1D (C1D) model for predicting irrigation water uptake efficiency are also provided for comparison. Prior to 2003, monitoring data indicated that tritium leaching was largely restricted to the instrumented sampling depth of 3 m. Starting in 2003, an effort was made to account for tritium movement below the soil monitoring zone based on water balance calculations for each month of operation that considered irrigation rate, precipitation, and estimated potential evapotranspiration (PET). The main findings for each of three ET efficiency approaches in 2025 are as follows:

- When leaching below the rooting zone was neglected in the tritium mass balance calculations based on soil core data, the overall average ET efficiency across all plots was estimated to be 99.58 ± 0.78 and 99.55 53 ± 0.96 SD% (mean ± standard deviation) in March and November of 2025, respectively. The overall ET efficiency across all plots and both months was estimated to be 99.56 ± .86 SD%.
- When tritium leaching below the root zone was considered with the soil core data, the overall average ET efficiency for all plots was estimated to be 87.39 ± 11.58 and 87.47 ± 12.36 % for March and November, respectively. The estimated ET efficiency for individual irrigation plots ranged from 55.15 to 96.24 % for March 2025, and from 52.83 to 96.17 % for November 2025. The lowest ET efficiency estimate was observed in Plot 48 (WEA) during both sampling periods. All other plots had ET efficiencies greater than 83%. The overall ET efficiency across all plots and both months was estimated to be 87.43 ± 11.69 SD%.
- Monthly ET efficiency estimates derived from the C1D model for December 2024 through December 2025 ranged from 67.42 to 88.73 % across plots, with lower ET efficiencies consistently observed for the WEA plots. The average annual C1D ET efficiency was 86.66 ± 1.2% for the original (ORG) plots, 77.46 ± 3.2% for the EEA plots, and 68.52 ± 0.9% for the WEA plots, resulting in an overall annual efficiency of 80.85 ± 7.3% for all 11 monitored plots.

INTRODUCTION

Beginning in 2001, a project at the Department of Energy's (DOE) Savannah River Site (SRS) has relied on irrigating forest plots to remediate groundwater contaminated with tritium (a radioactive isotope of hydrogen; ^{3}H) at an area known as the Mixed Waste Management Facility (MWMF). Tritiated water molecules (HTO) behave like any other water molecule in the environment. The premise of the MWMF phytoremediation project is to irrigate plots with a volume of HTO equivalent to the volume of water the trees can potentially uptake from the soil and transpire into the atmosphere (i.e. potential evapotranspiration or PET, calculated from local micrometeorological measurements and forest stand characteristics). The MWMF is currently comprised of 51 forest plots, varying in size from 0.43 to 2.28 ac (Appendix 1). These plots are delineated into three different zones according to their geographic location and time of establishment. Plots 1 through 30 are the Original (ORG) plots that are comprised of mixed forest species that were in place prior to the development of the phytoremediation project. Plots 31 through 42 are the Eastern Expansion Area (EEA) plots that are comprised of loblolly pine plantations established in 2008. Plots 43 through 51 are the Western Expansion Area (WEA) plots that are comprised of loblolly pine plantations established in 2012.

Since the beginning of this project, the Savannah River Ecology Laboratory (SREL) has conducted a series of tritium mass balance calculations in support of MWMF to estimate the effectiveness of evapotranspiration (ET) in volatilizing tritium associated with irrigation water applied to a series of forested plots (i.e., ET or HTO efficiency). Such calculations require estimates of the amount of tritium applied to each of the irrigation plots, as well as the tritium concentration levels and moisture contents throughout the soil profile, without specifically considering the PET. An important assumption underlying such approach is that significant amounts of tritium have not leached below the deepest soil monitoring depth (i.e., 3.0 m). Despite some evidence for leaching in a limited number of monitoring clusters that was attributed to leaks in the irrigation system and preferential flow resulting from various monitoring activities, soil data through December 2002 generally supported the assumption that very little of the applied tritium had leached below the maximum monitoring depth.

In 2003, significant tritium levels were observed in the deepest sampling depths for many of the instrumented monitoring clusters, indicative of leaching below the rooting zone. Therefore, a simple conceptual model was developed to account for tritium losses due to leaching. Time-domain reflectometry (TDR) data was used to estimate water storage and leaching from the top 3.0 m of the soil profile, and suction lysimeters and soil vapor samplers were used to collect soil pore water for tritium analysis. Tritium losses due to evaporation and tree transpiration (i.e., evapotranspiration; ET) were based on the Penman-Monteith (PM) method of calculating PET, with "crop factors" used to account for differences in vegetation cover between the various plots (Riha and Rebel, 2003). When precipitation plus the applied irrigation water minus PET for a given sampling interval exceeded the residual water content in the soil profile, leaching below the 3.0 m depth was included in the calculations. The tritium concentration in the pore-water moving below the sampling zone was assumed to be the average tritium level observed at the deepest sampling depth for that sampling interval, i.e., the time between the two latest rounds of sampling. Monthly sampling of the soil lysimeters and vapor wells, and monitoring of the TDR systems (i.e., soil moisture content at a given monitoring cluster) were suspended in December 2003.

Soil core sampling has provided empirical data for residual soil tritium, which is used to estimate ET efficiency from 11 different plots across all three zones (ORG = 6; EEA = 3; WEA = 2). Soil cores have been collected in ORG plots (4, 13, 16, 19, 22, & 27) since 2003; in EEA plots (31, 36, & 41) since 2011, and in WEA plots (45 & 48) since 2013. Soil cores consist of a single, randomly selected profile in each plot where a hand auger is used to remove soil to a 3.0 m depth. The sample collection process occurs each spring and fall; in 2025 the plots were sampled in March and November. After removal, soil cores are transported to the lab and analyzed for HTO and water content to estimate residual tritium within the soil profile of each plot. As noted above, estimates of tritium leaching were based on a simplified water balance assessment that accounted for: precipitation, irrigation rate, tritium concentration in the irrigation water, the estimated water holding capacity of the soil profile within each plot, and PET estimates on a plot-by-plot basis for each month of the year. Details of the tritium mass balance estimates, including leaching estimates below the soil monitoring depth, are provided below.

In addition to the water balance approach described above, the Cornell one-dimensional bucket-type (C1D) model was developed to estimate HTO uptake based on plot-specific water balances and tritium application rates (Riha and Rebel, 2003). The C1D model was optimized using 30 years of climate data as well as soil physical characteristics (i.e., soil texture) specific to each plot, vegetation type, soil moisture content, and tritium concentrations from lysimeter and vapor well sampling. Starting in 2014, the C1D model was revised to include the WEA using a shallower rooting. Crop factors were the same across all expansions beginning in 2025.

Mass Balance Calculations for Applied Tritium

Cumulative irrigation volumes for each plot were estimated based on USFS-Savannah River application logs for each month of operation starting in May 2001 and continuing through December 2025. Application totals for 2025 are summarized in Appendix 2A. For example, given the gallons applied each month and the area of a specific plot (e.g., March 2025 for plot 31, see Appendix 2A):

$$\frac{20{,}770 \text{ gallons}}{2.04 \text{ acres}} \times \frac{1 \text{ acre}}{4050 \text{ m}^2} \times \frac{3.78 \text{ L}}{\text{gallon}} = \frac{9.5 \text{ L}}{\text{m}^2}$$

Application depth in cm for unit plot area (i.e., cm^2) is then calculated as (Appendix 2B):

$$\frac{9.5 \text{ L}}{\text{m}^2} \times \frac{1 \text{ m}^2}{10{,}000 \text{ cm}^2} \times \frac{1000 \text{ cm}^3}{1 \text{ L}} = 0.95 \text{ cm}$$

The average tritium level for pond samples collected within the month (Appendix 2C; 496.64 pCi mL^{-1}) of interest is then used to estimate total tritium applied to a cm^2 of each plot (Appendix 2D):

$$0.95 \text{ cm applied} \times \frac{496.64 \text{ pCi}}{\text{mL}} = \frac{471.80 \text{ pCi}}{\text{cm}^2}$$

The cumulative amount of tritium applied is then determined by summing the above calculation for each month up to the point when the ET efficiency is being calculated (Table 1)

Estimating Residual Soil Tritium Based on Soil Core Data

Residual soil tritium was calculated based on its concentration in soil cores sampled at depths down to 300 cm. The soil pore water was extracted for tritium analysis by sublimation (i.e., freeze drying). The resulting solution was analyzed for tritium by liquid scintillation with an estimated detection limit of 0.36 pCi mL^{-1} and a counting error below 2% for elevated tritium concentrations (LS 6500 Multi-Purpose Scintillation Counter, Beckman Coulter, Inc.).

To estimate total tritium in the soil profile, the gravimetric water content for each soil core sample [water content (g) / fresh soil mass (g)] was converted to a volumetric basis (example data from the first sample depth of Plot 31, March 2025 data; Appendix 3A):

$$100 \text{ g moist soil} - 11.9 \text{ g water} = 88.1 \text{ g dry soil}$$

The soil volume for a given sample is calculated using the soil bulk density, assumed to be 1.59 gm cm^{-3} for the sandy soils of the SRS (Looney et al., 1990).

$$88.1 \text{ g dry soil} \times \frac{1 \text{ cm}^3 \text{ soil}}{1.59 \text{ g dry soil}} = 55.41 \text{ cm}^3 \text{ soil}$$

Using the results from above, the volumetric water content for the specific sampling depth is then estimated as follows:

$$\theta = \frac{11.9 \text{ cm}^3 \text{ water}}{55.41 \text{ cm}^3 \text{ soil}} = 0.215$$

As an example, we use soil cores collected from Plot 31 at Sample Depth 'A' in March 2025 below, with all soil profiles for Plot 31 summarized in Table 1. Further details on water content for all plots can be found in Appendix 3.

The tritium concentration (pCi cm^{-3}) is multiplied by the representative depth interval and the volumetric water content for each sample to provide an estimate of total tritium within a given soil volume.

$$\frac{8.96 \text{ pCi}}{\text{cm}^3} \times 38.1 \text{ cm} \times \frac{0.17 \text{ cm}^3 \text{ water}}{\text{cm}^3 \text{ soil}} = \frac{57.54 \text{ pCi}}{\text{cm}^2}$$

Note that the resulting units are the same as those for tritium applied to a unit plot area, cm^2. Therefore, for a given unit area of an irrigation plot, the amount of water with a given tritium concentration is equal to the depth span (cm) for the sample in question multiplied by the volumetric water content, θ. The same calculation is then completed for each representative sampling depth and the values are summed to estimate the total residual tritium in the profile as a function of area at that sampling location (Appendix 4C).

Table 1. Residual soil tritium for Plot 31 based on soil samples collected March 2025. Soil water content data are provided in Appendix 3. The Spring 2025 and Fall 2025 data for all plots are provided in Appendix 4B.

Sample Depth	Depth Interval (cm)	Depth Span (cm)	Tritium Level (pCi mL^{-1})	Gravimetric Water Content (%)	Volumetric Water Content (cm^3 cm^{-3})	Tritium Sum (pCi cm^{-2})
A	0 – 38.1	38.1	8.96	9.58	0.169	57.54
B	38.1 – 60.96	22.86	12.35	15.30	0.287	81.07
C	60.96 – 86.36	25.4	11.29	10.71	0.191	54.68
D	86.36 – 121.92	35.56	10.59	9.53	0.168	63.11
E	121.92 – 152.4	30.48	10.30	9.91	0.175	54.94
F	152.4 – 177.8	25.4	9.88	10.54	0.187	47.00
G	177.8 – 213.36	35.56	11.88	11.81	0.213	89.95
H	213.36 – 246.38	33.02	13.66	13.10	0.240	108.18
I	246.38 – 276.86	30.48	13.72	12.36	0.224	93.8
J	276.86 – 284.48	7.62	12.25	13.34	0.245	22.83
Total						673.10

*The depth span for sample J is smaller than the rest due to reaching an impenetrable layer of rock

All the samples for a given plot were used to estimate the tritium content within the depth interval each sample represents. The results for all the depths in a given profile were then summed to estimate total tritium in the profile to a full maximum monitoring depth of ~300 cm. An example of the residual tritium results for Plot 31 is given above by depth profile, with the cumulative summary across all depth profiles for all plots given in Appendix 3.

Evapotranspiration Efficiency: No Leaching

If leaching is insignificant, the total residual tritium within Plot 31 for March 2025 can now be calculated by using cumulative HTO applied (Appendix 4A) and residual tritium (Appendix 4B):

$$\frac{673.1 \text{ pCi cm}^{-2}}{358{,}050 \text{ pCi cm}^{-2}} = 0.00188 \times 100 = 0.188\,\%$$

The ET or HTO efficiency for Plot 31 through March 2025 is then defined as total applied minus residual:

$$100\% - (100 * 0.188\%) = 99.81\%$$

This approach yields unrealistically high ET efficiency rates that increasingly trend toward 100% with time because of the failure to account for tritium leaching below the root zone when precipitation plus irrigation exceeds the ET and the soil moisture storage capacity for a given plot. This can be seen in Figure 1.

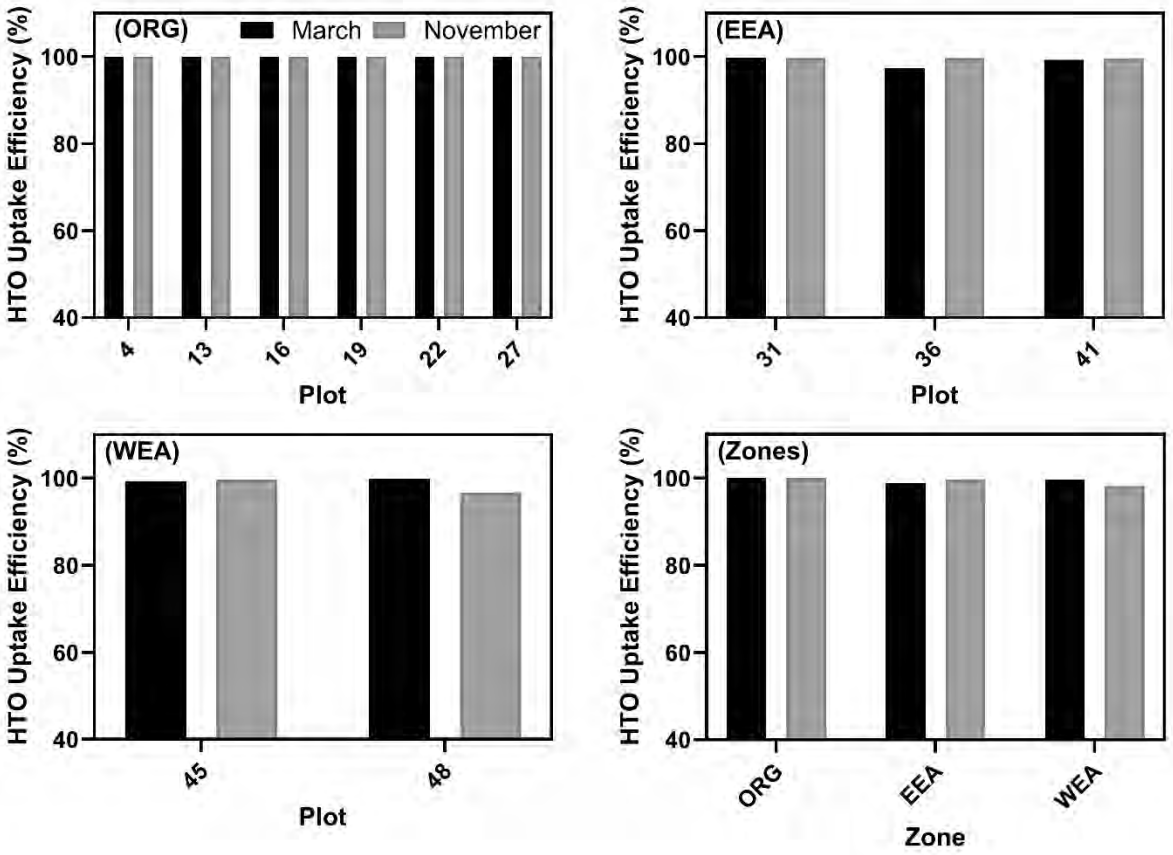

Figure 1. ET efficiency rates when leaching is not considered. These results tend to be unrealistically high. Plots 4 through 27 are in ORG, 31 through 41 are in EEA, 45 and 48 are in the WEA.

Water Balance Calculations

A simple water balance approach was used to estimate tritium leaching within the irrigation plots. Environmental data used in the water balance calculations is provided in Table 2. The potential ET is then adjusted using an empirical vegetation/crop factor to adjust for vegetation conditions.

Table 2. Precipitation for the MWMF, PET estimates derived from the Priestly-Taylor method (cm), PET adjusted by the crop factor.

Month	Precipitation (cm)	PET (cm)	ET×CF
January 2025	7.9	3.5	2.8
February	3.5	6.0	4.8
March	10.3	10.0	8.0
April	10.3	14.4	12.9
May	23.4	16.5	14.8
June	12.7	23.1	20.8
July	9.0	23.9	21.5
August	13.1	16.1	14.5
September	1.7	16.9	15.2
October	5.2	8.8	7.1
November	0.2	6.1	4.9
December	8.0	3.5	2.8

Prior to 2004 (Seaman et al., 2004), the water balance for each sampling interval was calculated as follows:

$$\text{Moisture balance (cm)} = \text{soil moisture } t_i + \text{irrig.} + \text{precip.} - \text{PET} - \text{soil moisture } t_f$$

The initial (t_i) and final (t_f) moisture content values were based on TDR data for the initial and subsequent monitoring dates, respectively. Tritium losses due to ET were based on the average monthly PET estimates using the Priestly-Taylor (PT) and Penman-Monteith (PM) methods, as calculated by the SRFS, assuming a crop factor of 0.90 for the ORG 27 irrigation plots (Riha and Rebel, 2003). For example, a positive value is indicative of leaching, while a negative value means uptake and evaporation exceeded water inputs.

$$52.18 \text{ cm} + 2.29 \text{ cm} + 18.61 \text{ cm} - 3.06 \text{ cm} - 63.22 \text{ cm} = 6.8 \text{ cm}$$

In the current example, 6.8 cm of water leached below the 3.0 m sampling profile between two given monitoring intervals. These are legacy equations using previous numbers for reference. The amount of tritium leached below the profile for that monitoring period was then calculated as the leaching depth times the average pore-water tritium concentration within soil samples from the deepest sampling depth for a given plot.

$$6.8 \text{ cm} \times \frac{1607 \text{ pCi}}{\text{mL}} = \frac{1.09 \times 10^4 \text{ pCi}}{\text{cm}^2}$$

Starting in 2004, this approach could no longer be used because TDR measurements were not available to estimate initial and final moisture contents within the soil profile. One simple approach would be to use the gravimetric soil moisture data from soil cores collected at the beginning and end of a given monitoring period to represent the initial and final moisture contents, respectively, with the cumulative precipitation, irrigation volumes and PET estimates for the intermediate monitoring period. Although the approach seems reasonable, it fails to account for the episodic nature of precipitation events and seasonal variations in ET. In this simplified approach, any potential leaching can be offset by high ET rates at some point during the monitoring interval, with typically wetter months offset by the high ET rates of the summer.

As an alternative, monthly water balances were calculated using an estimated soil pedon (a three-dimensional sample of soil that measures 1 m² at the surface and extends to the bottom of the soil) field capacity (FC) based on an idealized soil typical of the irrigation site (Riha and Rebel, 2003). In the current context, FC is defined as the total amount of moisture that can be retained against gravity within the upper 3 meters of the soil profile, i.e., 62.8 cm of water, and therefore assumed to be subject to continued ET. For this approach, the water balance equation is modified as:

$$\text{Moisture balance (cm)} = \text{soil moisture } t_i + \text{irrig.} + \text{precip.} - \text{ET} - \text{FC}$$

with each of the values representing monthly estimates rather than the cumulative values for the entire time span between soil sampling events, typically 5-7 months. Monthly values are used to account for the episodic nature of precipitation and irrigation events, and their impact on leaching.

The initial soil moisture content for each monitoring period was based on soil core data from March 2025 and November 2025 (Appendix 3). As before, a positive moisture value is indicative of leaching for that month, and the initial soil moisture content (t_i) is then set at FC (i.e., 62.8 cm) for the subsequent month. If the monthly moisture balance (cm) is positive, the value is then multiplied by the average tritium concentration (pCi mL^{-1}) in the soil profile to estimate the amount of tritium having been leached (pCi cm^{-2}) for that month. A negative moisture balance result is indicative of the added storage capacity within the soil profile during drier months, and the moisture content for the next month is equivalent to the FC with the moisture deficit subtracted from it. Using this approach, storage capacity can accumulate for dry months when the FC and PET is not exceeded by precipitation plus irrigation. To some degree this approach still fails to fully account for the episodic nature of precipitation events, as moisture balance calculations are based on average monthly inputs. Furthermore, it fails to account for the reduction in water uptake by plants as the soil gets increasingly drier.

Leaching estimates for each plot for January 2025 through December 2025 are summarized in Appendix 5. For 2025, leaching occurred in only two plots early in the year. Plot 45 experienced leaching during January, March, and May, and plot 48 experienced leaching during March and May.

Evapotranspiration Efficiency: With Leaching

Tritium loss due to ET and leaching is then calculated as the ratio of residual soil tritium plus cumulative tritium lost through leaching divided by the total amount that has been applied to a given plot. Using March 2025 data for Plot 31 as an example (Appendices 5C – 5F):

$$\frac{673\ \text{pCi cm}^{-2} + 13{,}566\ \text{pCi cm}^{-2}}{360{,}702\ \text{pCi cm}^{-2}} = \frac{14{,}239\ \text{pCi cm}^{-2}}{360{,}702\ \text{pCi cm}^{-2}}$$

$$= 0.039 \times 100 = 3.9\%$$

ET or HTO efficiency is then defined as total applied minus leaching plus residual:

$$100\% - 3.9\% = 96.24\%$$

For Plot 31, 3.9% of the applied tritium remained in the soil profile or leached below the monitoring zone through March 2025, with approximately 96.24% presumably having been transpired (Appendices 5E & 5F). When leaching was neglected in the tritium mass balance, ET efficiencies at the MWMF through November 2025 were approximately 99.55% (Appendix 4D). However, when taking leaching into account, the estimated efficiency for November 2025 ranged from 52.83 to 96.17 %, with an average efficiency across plots of approximately 87.49 ± 12.38 % (Appendix 5F). The lowest estimated plot efficiency was observed for Plot 48 within the WEA, i.e., 52.83 % for November 2025 (see Appendix 5F). Results from 2025 can be seen in Figure 2.

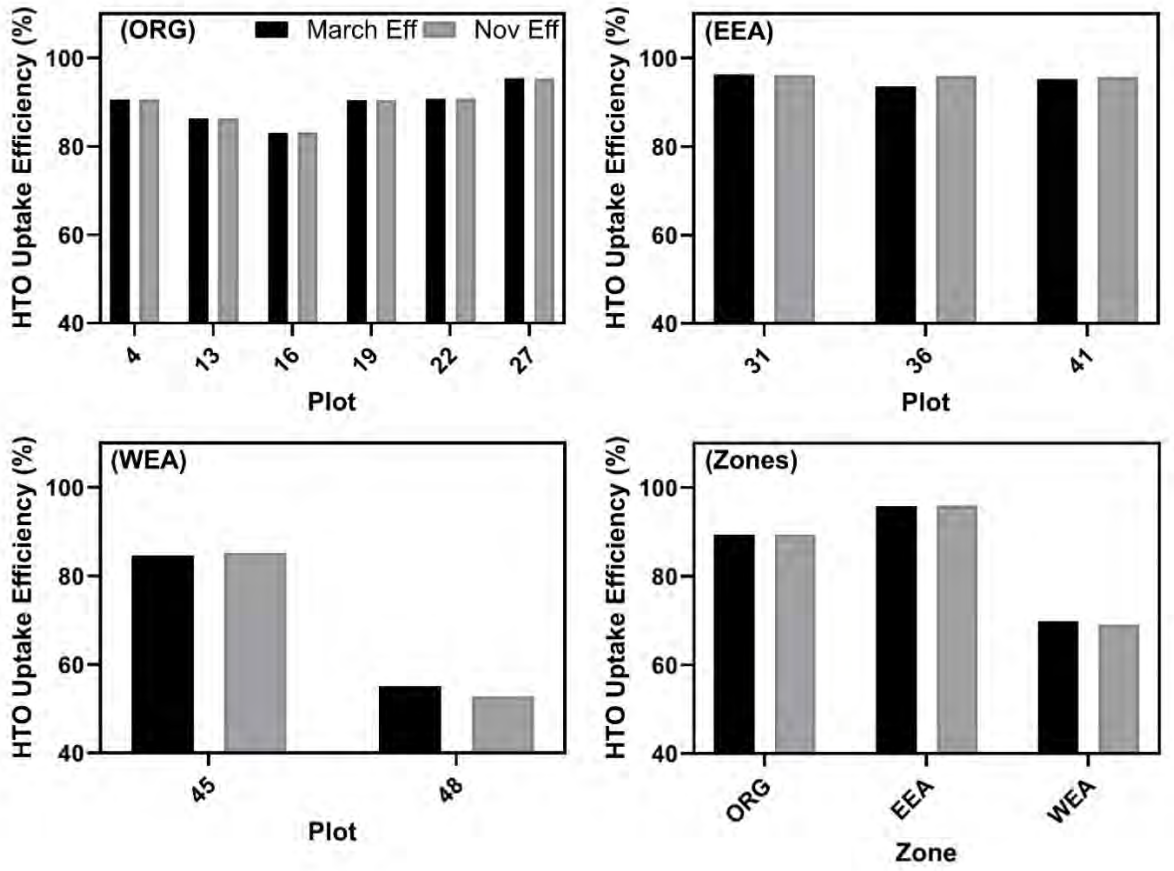

Figure 2. ET efficiency rates when the impacts of leaching are considered. Plots 4 through 27 are in ORG, 31 through 41 are in EEA, 45 and 48 are in the WEA.

General trends with respect to residual tritium estimates are presented in Figure 3 and Appendices 6 and 7. Starting in 2003, residual tritium estimates with and without considering leaching are provided. In general, the efficiency of the system initially increased as tritium became more thoroughly distributed within the soil profile and subject to plant uptake within the full rooting zone, reaching a plateau of approximately 95% during the drought of 2002. Throughout 2003, the ET efficiency decreased somewhat under more normal precipitation conditions. As expected, the difference between the two estimates has generally increased as the potential for leaching continues with extended operation and less of the total applied tritium remains in the root zone. The high ET efficiencies observed in the latter half of 2005 through 2007 are likely attributed to the suspension of irrigation from September 2005 through March 2006, decreasing the level of residual tritium in the soil cores, and generally drier conditions throughout 2007 that reduced tritium leaching within the soil profile. The high levels of ET efficiency experienced for 2010 through 2012 can generally be attributed to an extended drought period, which limited leaching below the sampled soil profile.

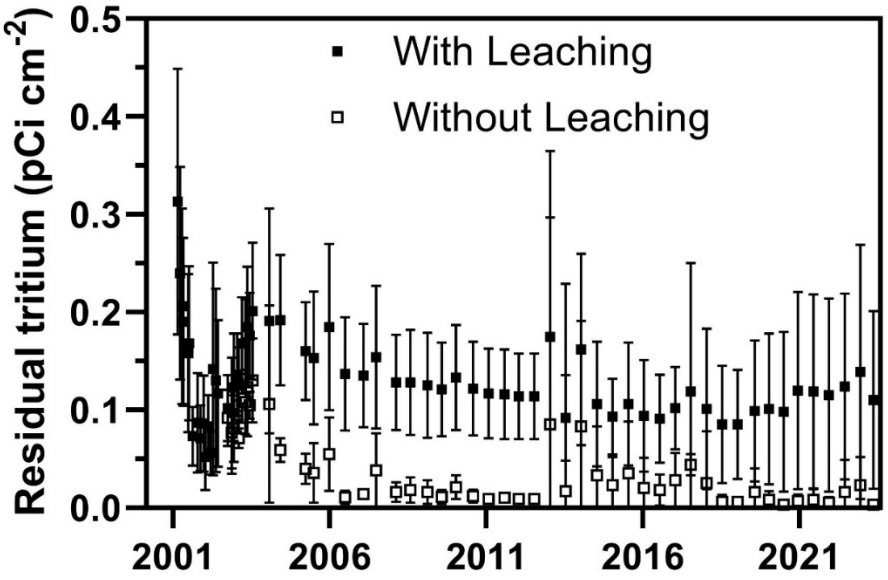

Figure 3. Residual soil tritium from May 2001 through December 2025, including estimates of tritium leached below the 3-meter sampling depth. Error bars reflect standard deviation of the means for the 11 sample irrigation plots, i.e., plots 4, 13, 16, 19, 22, 27, 31, 36, 41, 45, and 48.

Cornell 1D Model Results for 2025

For comparison, the Cornell 1D model was used to estimate the efficiency of tritium removed through ET at the site (Riha and Rebel, 2003). Water budget estimates were modeled using weather data, irrigation volumes, and Penman-Monteith estimates for ET (i.e., PET). These data were compiled for daily estimates of the water deficit/surplus. Tritium concentrations were sampled from the irrigation holding tank in the pumphouse each month to estimate levels in applied irrigation water. The C1D model uses the water budget, tritium concentration, soil profile data specific to each plot, and a cropping factor to estimate tritium movement through the soil profile. The monthly averages of daily ET efficiency estimates of tritium removal through ET for the monitored plots are included in Appendix 8 and presented in Figure 4. The model derived ET efficiencies ranged from 67.42 to 88.73% between plots, with an overall average of 80.85 ± 7.3% for all plots. The yearly average ET efficiency was 86.66 ± 1.2 % for the ORG, 77.46 ± 3.2% for the EEA, and 68.5267.42 ± 0.9% for the WEA.

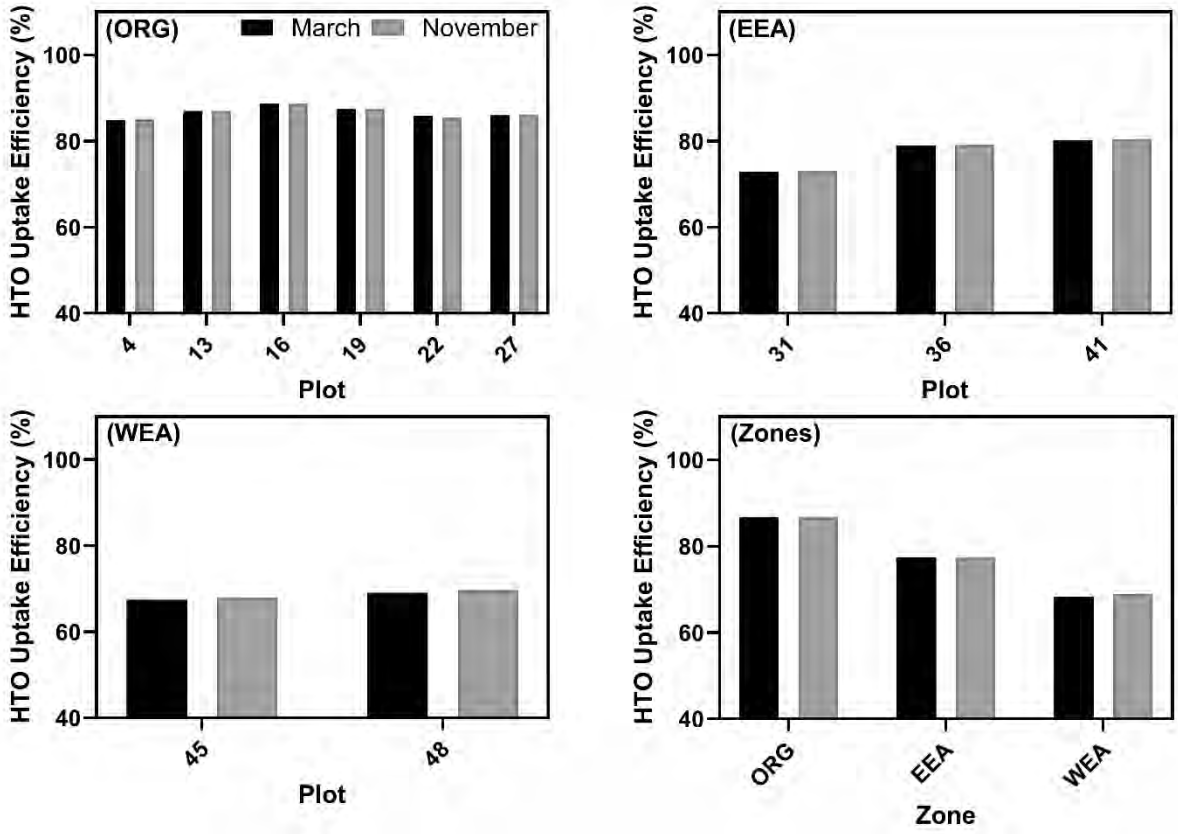

Figure 4. Average monthly ET efficiency estimates for 2025 derived from the C1D model for plots 4, 13, 16, 19, 22, 27, 31, 36, 41, 45, and 48.

Conclusion

HTO irrigation efficiency (i.e., ET efficiency) estimates based on residual soil tritium without consideration of leaching are unreasonably high, approaching an unrealistic 100% in all zones. The C1D modelling approach generally leads to lower estimates of HTO irrigation efficiency than estimates based on residual soil tritium, with or without leaching. HTO irrigation efficiency estimates based on residual soil tritium with consideration of leaching, and those from the C1D model were similar for the ORG and WEA but differed substantially for the EEA. The WEA exhibits the lowest HTO irrigation efficiency among the zones, especially plot 48, and this is consistent for estimation based on leaching and using the C1D model. The rank order of ORG and EEA HTO irrigation efficiencies differed between approaches based on residual soil tritium (EEA was highest) and C1D (ORG was highest) (Fig. 5).

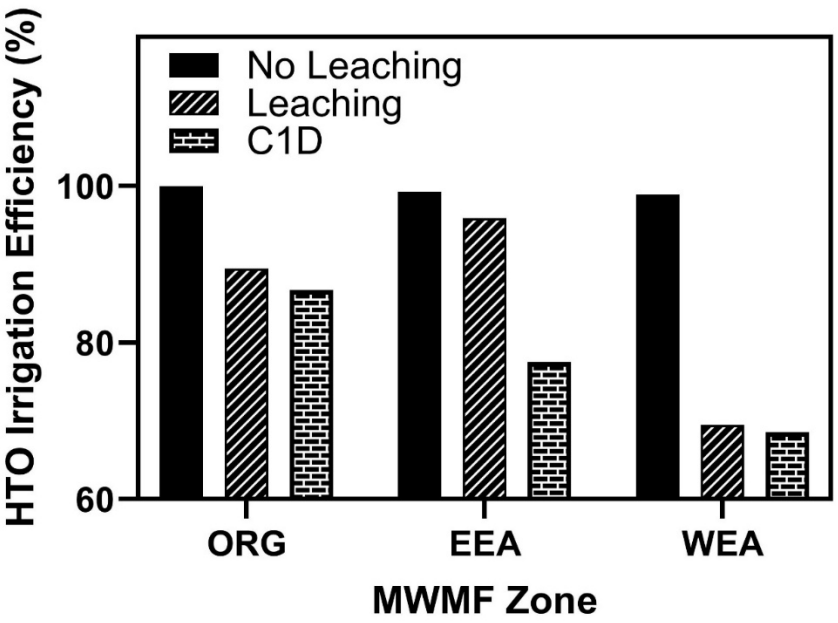

Figure 5. A comparison of the estimated HTO efficiencies in the ORG, EEA, and WEA resulting from each of the three models discussed.

Important Units and Conversion Factors

1 acre = 4,050 m^2
1 m^2 = 10,000 cm^2
1 gallon = 3.78 l
1 gallon = 3,780 cm^3
1 inch = 2.54 cm

Acknowledgements

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Appendix 1. Map of the Mixed Waste Management Facility (MWMF) plots, located at N2-W3 and N2-W2. Plot number (top) and plot acreage (below) are provided in yellow font. The original (ORG), mixed-forest plots (1-30) are located in the center and comprise 22.69 acres that were established in 2001. The eastern expansion area (EEA) of loblolly pine plantation plots (31-42) are located on the right and comprise 26.28 acres that were established in 2010. The western expansion area (WEA) of loblolly pine plantation plots (43-51) are located on the left and comprise 12.25 acres that were established in 2013. Yellow stars indicate plots where soil sampling occurs.

Appendix 2. Monthly irrigation for each plot in gallons of water (Table 2A), monthly irrigation depth for each plot in cm (Table 2B), monthly tritium levels of MWMF pond water (Table 2C), and monthly tritium applied (Table 2D) from January 2025 through December 2025.

Table 2A. Application Summary

Plot #	Acreage	Cummulative December 2024 (gallons)	Jan. 2025	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. 2025	Sum (gallons)
4	0.62	4429129	0	6305	5820	10379	9991	11640	17945	13677	13095	6596	5093	1649	4531319
13	0.95	5412800	0	8125	7500	13375	12875	15000	26250	17625	15750	8500	6563	2125	5546488
16	0.63	3441709	0	4940	4560	8132	7828	9120	15960	8436	9576	5168	3990	1292	3520711
19	0.8	4694012	0	6695	0	0	0	0	3090	0	9579	7004	5408	1751	4727539
22	1.07	4632446	0	6955	6420	0	0	0	3210	0	7704	7276	4548	1819	4670378
27	0.75	3842621	0	5395	2075	0	1826	0	2490	0	0	0	1619	0	3856025
31	**2.04**	4311028	2170	22320	**20770**	58900	65410	74400	102300	66960	66960	44330	30845	8370	4874763
36	2.08	4643179	2359	24264	25949	64030	71107	80880	60660	36396	63693	43136	33532	9099	5158283
41	1.96	3284313	1715	17640	18865	46550	45080	44100	66150	38588	46305	31360	24378	6615	3671658
45	1.97	3953207	1904	18224	36856	39576	28016	38080	57120	52224	58752	25840	16864	5984	4332647
48	1.93	3309877	1568	15008	30352	32592	23072	33600	40320	49056	48384	21280	13888	4928	3623925
		45954320												Total	48513734

Table 2B. Irrigation Depth (cm)

Plot #	Jan. 2025	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. 2025	Sum (cm)
4	0.00	0.95	0.88	1.56	1.50	1.75	2.70	2.06	1.97	0.99	0.77	0.25	15.38
13	0.00	0.80	0.74	1.31	1.26	1.47	2.58	1.73	1.55	0.84	0.64	0.21	13.13
16	0.00	0.73	0.68	1.20	1.16	1.35	2.36	1.25	1.42	0.77	0.59	0.19	11.70
19	0.00	0.78	0.00	0.00	0.00	0.00	0.36	0.00	1.12	0.82	0.63	0.20	3.91
22	0.00	0.61	0.56	0.00	0.00	0.00	0.28	0.00	0.67	0.63	0.40	0.16	3.31
27	0.00	0.67	0.26	0.00	0.23	0.00	0.31	0.00	0.00	0.00	0.20	0.00	1.67
31	0.10	1.02	**0.95**	2.69	2.99	3.40	4.68	3.06	3.06	2.03	1.41	0.38	25.79
36	0.11	1.09	1.16	2.87	3.19	3.63	2.72	1.63	2.86	1.94	1.50	0.41	23.11
41	0.08	0.84	0.90	2.22	2.15	2.10	3.15	1.84	2.21	1.49	1.16	0.32	18.45
45	0.09	0.86	1.75	1.88	1.33	1.80	2.71	2.47	2.78	1.22	0.80	0.28	17.98
48	0.08	0.73	1.47	1.58	1.12	1.62	1.95	2.37	2.34	1.03	0.67	0.24	15.19

Table 2C. Monthly Tritium Levels for MWMF Pond (pCi mL^{-1})	477.27	496.60	**496.64**	474.97	458.35	401.43	508.48	524.71	536.40	625.03	650.30	650.70	

Table 2D. Monthly Tritium Applied for 2025 (pCi cm^{-2})

Plot #	Jan. 2025	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. 2025	Sum (cm)
4	0	471	435	742	689	703	1374	1080	1057	621	499	162	7833
13	0	396	366	624	580	592	1311	909	830	522	419	136	6685
16	0	363	336	572	532	542	1202	656	761	479	384	125	5952
19	0	388	0	0	0	0	183	0	599	511	410	133	2225
22	0	301	278	0	0	0	142	0	360	397	258	103	1840
27	0	333	128	0	104	0	158	0	0	0	131	0	854
31	47	507	**472**	1280	1372	1366	2380	1607	1643	1268	918	249	13110
36	51	541	578	1365	1462	1457	1384	857	1533	1210	978	266	11681
41	39	417	446	1053	984	843	1602	964	1183	933	755	205	9424
45	43	429	867	891	608	724	1376	1298	1493	765	520	184	9199
48	36	360	729	749	511	652	991	1245	1255	643	437	155	7764

Table 2A. Application Summary

Plot #	Acreage	Cummulative December 2024 (gallons)	Jan. 2025	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. 2025	Sum (gallons)
4	0.62	4429129	0	6305	5820	10379	9991	11640	17945	13677	13095	6596	5093	1649	4531319
13	0.95	5412800	0	8125	7500	13375	12875	15000	26250	17625	15750	8500	6563	2125	5546488
16	0.63	3441709	0	4940	4560	8132	7828	9120	15960	8436	9576	5168	3990	1292	3520711
19	0.8	4694012	0	6695	0	0	0	0	3090	0	9579	7004	5408	1751	4727539
22	1.07	4632446	0	6955	6420	0	0	0	3210	0	7704	7276	4548	1819	4670378
27	0.75	3842621	0	5395	2075	0	1826	0	2490	0	0	0	1619	0	3856025
31	**2.04**	4311028	2170	22320	**20770**	58900	65410	74400	102300	66960	66960	44330	30845	8370	4874763
36	2.08	4643179	2359	0	25949	64030	71107	80880	60660	36396	63693	43136	33532	9099	5134019
41	1.96	3284313	1715	17640	18865	46550	45080	44100	66150	38588	46305	31360	24378	6615	3671658
45	1.97	3953207	1904	18224	36856	39576	28016	38080	57120	52224	58752	25840	16864	5984	4332647
48	1.93	3309877	1568	15008	30352	32592	23072	33600	40320	49056	48384	21280	13888	4928	3623925
		45954320												Total	48489470

Table 2B. Irrigation Depth (cm)

Plot #	Jan. 2025	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. 2025	Sum (cm)
4	0.00	0.95	0.88	1.56	1.50	1.75	2.70	2.06	1.97	0.99	0.77	0.25	15.38
13	0.00	0.80	0.74	1.31	1.26	1.47	2.58	1.73	1.55	0.84	0.64	0.21	13.13
16	0.00	0.73	0.68	1.20	1.16	1.35	2.36	1.25	1.42	0.77	0.59	0.19	11.70
19	0.00	0.78	0.00	0.00	0.00	0.00	0.36	0.00	1.12	0.82	0.63	0.20	3.91
22	0.00	0.61	0.56	0.00	0.00	0.00	0.28	0.00	0.67	0.63	0.40	0.16	3.31
27	0.00	0.67	0.26	0.00	0.23	0.00	0.31	0.00	0.00	0.00	0.20	0.00	1.67
31	0.10	1.02	**0.95**	2.69	2.99	3.40	4.68	3.06	3.06	2.03	1.41	0.38	25.79
36	0.11	0.00	1.16	2.87	3.19	3.63	2.72	1.63	2.86	1.94	1.50	0.41	22.02
41	0.08	0.84	0.90	2.22	2.15	2.10	3.15	1.84	2.21	1.49	1.16	0.32	18.45
45	0.09	0.86	1.75	1.88	1.33	1.80	2.71	2.47	2.78	1.22	0.80	0.28	17.98
48	0.08	0.73	1.47	1.58	1.12	1.62	1.95	2.37	2.34	1.03	0.67	0.24	15.19

Table 2C. Monthly Tritium Levels for MWMF Pond (pCi mL^{-1})	477.27	496.60	**496.64**	474.97	458.35	401.43	508.48	524.71	536.40	625.03	650.30	650.70	

Table 2D. Monthly Tritium Applied for 2025 (pCi cm^{-2})

Plot #	Jan. 2025	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. 2025	Sum (cm)
4	0	471	435	742	689	703	1374	1080	1057	621	499	162	7833
13	0	396	366	624	580	592	1311	909	830	522	419	136	6685
16	0	363	336	572	532	542	1202	656	761	479	384	125	5952
19	0	388	0	0	0	0	183	0	599	511	410	133	2225
22	0	301	278	0	0	0	142	0	360	397	258	103	1840
27	0	333	128	0	104	0	158	0	0	0	131	0	854
31	47	507	**472**	1280	1372	1366	2380	1607	1643	1268	918	249	13110
36	51	0	578	1365	1462	1457	1384	857	1533	1210	978	266	11141
41	39	417	446	1053	984	843	1602	964	1183	933	755	205	9424
45	43	429	867	891	608	724	1376	1298	1493	765	520	184	9199
48	36	360	729	749	511	652	991	1245	1255	643	437	155	7764

Appendix 3. Gravimetric water content, tritium levels, and volumetric soil moisture derived from soil samples collected in March 2025 (Appendix 3A), November 2025 (Appendix 3B).

Appendix 3A. March 2025 Soil Data

	Gravimetric Water Content (%)			Tritium (pCi mL^{-1})			Volumetric Soil Moisture		
	Depth (cm)			Depth (cm)			Depth (cm)		
Plot ID	100	200	300	100	200	300	100	200	300
4	4.9	11.4	13.7	4	2	6	0.083	0.205	0.258
13	7.4	14.4	11.0	4	5	13	0.127	0.269	0.196
16	7.3	12.9	17.5	50	16	48	0.149	0.284	0.412
19	8.9	13.2	13.4	2	3	14	0.156	0.241	0.247
22	9.1	12.8	12.0	3	19	69	0.160	0.236	0.217
27	9.9	10.9	11.4	2	3	3	0.177	0.195	0.204
31	**11.9**	10.0	12.7	11	10	13	**0.215**	0.177	0.230
36	9.4	10.9	21.4	164	154	136	0.165	0.194	0.433
41	11.0	13.1	13.0	45	21	28	0.198	0.241	0.237
45	6.1	11.2	12.5	16	25	46	0.103	0.201	0.228
48	4.5	3.4	9.3	5	3	10	0.074	0.057	0.164

Appendix 3B. November 2025 Soil Data

	Gravimetric Water Content (%)			Tritium (pCi mL^{-1})			Volumetric Soil Moisture		
	Depth (cm)			Depth (cm)			Depth (cm)		
Plot ID	100	200	300	100	200	300	100	200	300
4	3.4	5.6	10.2	25	7	4	0.056	0.096	0.181
13	5.9	7.4	9.8	21	15	14	0.101	0.128	0.173
16	6.3	10.4	10.9	51	59	8	0.108	0.185	0.194
19	4.2	2.8	10.2	52	13	17	0.070	0.046	0.181
22	7.7	14.2	12.2	11	9	7	0.134	0.264	0.222
27	8.6	12.5	11.2	52	42	21	0.152	0.227	0.202
31	11.3	11.3	11.0	41	18	15	0.203	0.204	0.197
36	8.3	7.2	9.1	41	26	15	0.143	0.129	0.160
41	7.3	8.8	11.0	15	15	51	0.126	0.154	0.196
45	5.6	4.2	11.8	44	38	24	0.095	0.070	0.213
48	5.5	5.6	8.5	85	134	431	0.093	0.095	0.148

Appendix 4. Cumulative tritium application totals by month from January 2025 through December 2025 (Table 4A) as well as residual soil tritium (Table 4B), residual tritium fraction without accounting for leaching (Table 4C), and tritium irrigation efficiency without accounting for leaching (Table 4D), all derived from soil cores collected in March and November 2025.

Table 4A. Cumulative tritium application totals

Plot #	Cumulative Through Fall 2024		Jan. 2025	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	5155818		5155818	5156289	5156724	5157466	5158156	5158859	5160233	5161313	5162370	5162991	5163489	5163651
13	4041492		4041492	4041889	4042255	4042879	4043459	4044050	4045362	4046270	4047100	4047622	4048041	4048177
16	3808564		3808564	3808928	3809263	3809836	3810367	3810910	3812112	3812768	3813529	3814007	3814392	3814516
19	4426861		4426861	4427249	4427249	4427249	4427249	4427249	4427432	4427432	4428032	4428543	4428953	4429086
22	3502896		3502896	3503197	3503475	3503475	3503475	3503475	3503618	3503618	3503978	3504375	3504633	3504736
27	3853343		3853343	3853677	3853805	3853805	3853909	3853909	3854067	3854067	3854067	3854067	3854198	3854198
31	357024		357071	357578	**358050**	359330	360702	362068	364448	366055	367699	368966	369884	370133
36	365889		365940	366481	367059	368424	369886	371343	372727	373584	375117	376327	377305	377571
41	270969		271008	271425	271871	272924	273908	274751	276353	277317	278500	279433	280188	280393
15	271884		271927	272356	273223	274114	274722	275446	276822	278120	279614	280379	280898	281083
48	236459		236495	236855	237584	238333	238844	239496	240488	241733	242988	243631	244068	244223

Table 4B. Residual Soil Tritium (pCi cm^{-2})

Plot #	Fall 2024		Jan. 2025	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	997.47				239.63								289.90	
13	3001.70				473.70								694.99	
16	6837.32				3419.25								1355.27	
19	863.19				499.40								687.20	
22	1405.58				2146.29								449.11	
27	821.76				139.98								1559.10	
31	3904.70				**673.10**								1243.99	
36	2287.64				9638.69								1167.02	
41	2050.05				2129.25								1743.89	
45	1370.99				1966.12								1231.39	
48	1101.09				246.73								8040.80	

Table 4C. Residual tritium fraction without accounting for leaching (pCi cm-2)

Plot #	Fall 2024		Jan. 2025	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	0.00				0.00								0.00	
13	0.00				0.00								0.00	
16	0.00				0.00								0.00	
19	0.00				0.00								0.00	
22	0.00				0.00								0.00	
27	0.00				0.00								0.00	
31	0.01				**0.002**								0.00	
36	0.01				0.03								0.00	
41	0.01				0.01								0.01	
45	0.01				0.01								0.00	
48	0.00				0.00								0.03	

Table 4D. Efficiency without accounting for leaching (%)

Plot #	Fall 2024		Jan. 2025	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	99.98				100.00								99.99	
13	99.93				99.99								99.98	
16	99.82				99.91								99.96	
19	99.98				99.99								99.98	
22	99.96				99.94								99.99	
27	99.98				100.00								99.96	
31	98.91				**99.81**								99.66	
36	99.37				97.37								99.69	
41	99.24				99.22								99.38	
45	99.50				99.28								99.56	
48	99.53	Efficiency %			99.90								96.71	
	Avg	99.65		Avg.	99.58							Avg.	99.53	
	Std Dev	0.36898307		Std Dev	0.78							Std Dev	0.96	

Appendix 5. Monthly precipitation and soil water leaching in each plot (Table 5A), cumulative amount of water leached (Table 5B), amount of tritium leached plus residual soil tritium for March and November samples (Table 5C), total amount of applied tritium for March and November samples (Table 5D), residual soil tritium for March and November samples (Table 5E), and tritium irrigation efficiency for March and November samples (Table 5F).

Table 5A. Estimated Leaching Fraction (cm)

Plot #	Tritium Conc. 300 cm (pCi mL^{-1}) Dec. 2024	June 2025 (pCi mL^{-1})	Dec. 2025 (pCi mL^{-1})	Jan. 2025	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
4	34.94	6	4	-23.02	-23.41	-20.22	-21.27	-11.21	-17.59	-27.35	-26.73	-38.24	-39.13	-42.99	-37.54	
13	87.59	13	14	-24.49	-25.04	-21.98	-23.28	-13.46	-20.12	-30.00	-29.71	-41.65	-42.69	-46.67	-41.26	
16	234.02	48	8	-25.58	-26.19	-23.20	-24.60	-14.89	-21.67	-31.77	-31.96	-44.02	-45.13	-49.17	-43.78	
19	25.42	14	17	-30.38	-30.94	-28.62	-31.24	-22.69	-30.81	-42.92	-44.36	-56.72	-57.78	-61.78	-56.37	
22	22.77	69	7	-31.37	-32.11	-29.23	-31.84	-23.29	-31.41	-43.60	-45.04	-57.85	-59.09	-63.32	-57.97	
27	26.78	3	21	-33.00	-33.67	-31.09	-33.71	-24.93	-33.06	-45.21	-46.65	-60.13	-62.01	-66.44	-61.24	
31	36.38	13	15	-15.38	-15.70	-12.43	-12.35	-0.81	-5.53	-13.31	-11.69	-22.11	-21.96	-25.17	-19.59	
36	36.38	136	15	-18.72	-18.97	-15.49	-15.23	-3.48	-7.98	-17.72	-17.53	-28.15	-28.09	-31.22	-25.61	
41	25.38	28	51	-21.17	-21.67	-18.45	-18.85	-8.15	-14.18	-23.49	-23.09	-34.37	-34.76	-38.22	-32.71	
45	28.46	46	24	0.18	-0.48	3.59	-0.74	9.14	-6.32	-16.08	-15.05	-25.75	-26.40	-30.23	-24.74	
48	21.49	10	431	-1.69	-2.31	1.48	-1.04	8.63	-6.50	-17.02	-16.08	-27.23	-28.07	-32.03	-26.59	
	Precipitation Levels (cm)			7.94	3.45	10.30	10.33	23.40	12.68	9.01	13.07	1.70	5.19	0.25	8.00	105.32

Table 5B. Cumulative Leaching (pCi cm^{-2})

Plot #	Total Tritium leached through Dec. 2024	Jan. 2025	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total through Dec. 2025
4	488408.99													488409
13	556238.05													556238
16	641605.62													641606
19	420664.02													420664
22	323793.27													323793
27	175211.12													175211
31	12892.70													12893
36	14129.47													14129
41	10887.98													10888
45	39875.66	5		102		260								40243
48	106658.64			32		185								106876

Table 5C. Leachate plus residual soil tritium (pCi cm-2)

Plot #	Soil Tritium Spring 2025	Total Spring (Soil + Leachate)	Soil Tritium Fall 2025	Total Fall (Soil + Leachate)
4	240	488649	290	488699
13	474	556712	695	556933
16	3419	645025	1355	642961
19	499	421163	687	421351
22	2146	325940	449	324242
27	140	175351	1559	176770
31	**673**	**13566**	1244	14137
36	9639	23768	1167	15296
41	2129	13017	1744	12632
45	1966	42209	1231	41474
48	247	107123	8041	114917

Table 5D. Total applied tritium (pCi cm-2)

Plot #	Spring 2025	Fall 2025
4	5158156	5162991
13	4043459	4047622
16	3810367	3814007
19	4427249	4428543
22	3503475	3504375
27	3853909	3854067
31	**360702**	368966
36	369886	376327
41	273908	279433
45	274722	280379
48	238844	243631

Table 5E. Residual Tritium (pCi cm-2)

Plot #	Residual Tritium		Residual Tritium
4	0.09		0.09
13	0.14		0.14
16	0.17		0.17
19	0.10		0.10
22	0.09		0.09
27	0.05		0.05
31	**0.04**		0.04
36	0.06		0.04
41	0.05		0.05
45	0.15		0.15
48	0.45		0.47

Table 5F. Efficiency (%)

Plot #	Residual Tritium		Residual Tritium
4	90.53		90.53
13	86.23		86.24
16	83.07		83.14
19	90.49		90.49
22	90.70		90.75
27	95.45		95.41
31	**96.24**		96.17
36	93.57		95.94
41	95.25		95.48
45	84.64		85.21
48	55.15		52.83
Avg.	**87.39**	**Avg.**	**87.47**
Std. Dev.	**11.58**	**Std. Dev.**	**12.37**
Maximum	**96.24**	**Maximum**	**96.17**
Minimum	**55.15**	**Minimum**	**52.83**

Appendix 6. Estimated residual soil tritium for 2001 through 2003.

Date	Vapor/TDR Data*	Corrected Vapor Data**	Lysimeter Data	Soil Cores
2001 Data				
26-Jul	0.313 (±0.136)		0.446	
24-Aug	0.204 (±0.109)			
17-Sep	0.206 (±0.100)			
1-Oct	0.190 (±0.086)	0.163		
27-Nov	0.158 (±0.081)			
7-Dec	0.168 (±0.079)			
2002 Data				
16-Jan	0.073 (±0.030)			
10-Feb				
13-March	0.087 (±0.051)			
19-April	0.071 (±0.034)			
23-May	0.086 (±0.049)			
12-June	0.052 (±0.034)			
17-July	0.083 (±0.032)			
1-Aug				0.047 (±0.015)[#]
14-Aug	0.056 (±0.022)			
11-Sep	0.142 (±0.109)			
17-Oct	0.130 (±0.094)			
9-Nov	0.117 (±0.075)			0.049 (±0.039)[##]

*residual moisture content based on TDR results

**suspect vapor data replaced with tritium levels from extracted soil cores.

[#]tritium data based on three cores collected to a depth of 4 meters and sectioned at ~ 15 cm intervals.

[##]tritium data based on soil samples collected from select specified depths (50, 150, 200, and 300 cm)

Appendix 7. Estimated residual soil tritium throughout the operation history of the MWMF for 2004 through 2025.

Date	Soil Core data, leaching not included	Soil Core data including leaching
June 2004	0.106 (±0.101)*	0.191 (±0.115)*
November 2004	0.059 (±0.012)*	0.192 (±0.067)*
August 2005	0.040 (±0.016)*	0.158 (±0.152)*
November 2005	0.036 (±0.030)*	0.153 (±0.068)*
May/June 2006	0.055 (±0.037)*	0.185 (±0.085)*
November 2006	0.011 (±0.007)*	0.137 (±0.056)*
July 2007	0.014 (±0.003)*	0.135 (±0.058)*
December 2007	0.038 (±0.038)*	0.154 (±0.073)*
June/August 2008	0.016 (±0.010)*	0.128 (±0.049)*
December 2008	0.018 (±0.013)*	0.128 (±0.054)*
June/August 2009	0.016 (±0.012)*	0.128 (±0.049)*
December 2009	0.011 (±0.007)*	0.121 (±0.048)*
June 2010	0.021 (±0.012)*	0.133 (±0.054)*
December 2010	0.012 (±0.007)*	0.122 (±0.048)*
June 2011	0.009 (±0.004)*	0.117 (±0.046)*
December 2011	0.010 (±0.005)*	0.116 (±0.046)*
June 2012	0.009 (±0.003)*	0.114 (±0.044)*
December 2012	0.009 (±0.004)*	0.114 (±0.044)*
July /August 2013	0.085 (±0.212)*	0.175 (±0.190)*
December 2013	0.017 (±0.212)*	0.092 (±0.044)*
June 2014	0.083 (±0.108)*	0.162 (±0.098)*
December 2014	0.033 (±0.050)*	0.106 (±0.064)*
June 2015	0.023 (±0.029)*	0.093 (±0.039)*
December 2015	0.035 (±0.053)*	0.106 (±0.063)*
May 2016	0.020 (±0.031)*	0.094 (±0.057)*
November 2016	0.018 (±0.016)*	0.091 (±0.045)*
June 2017	0.028 (±0.028)*	0.102 (±0.042)*
December 2017	0.044 (±0.111)[#]*	0.119 (±0.131)*
June 2018	0.025 (±0.053)*	0.101 (±0.082)*
December 2018	0.006 (±0.007)*	0.085 (±0.060)*
June 2019	0.017 (±0.015)*	0.097 (±0.052)*
November 2019	0.016 (±0.024)#	0.099 (±0.072)#
June 2020	0.008 (±0.009)#	0.101 (±0.077)#
Nov./Dec. 2020	0.005 (±0.006)#	0.098 (±0.082)#
May 2021	0.007 (±0.007)#	0.120 (±0.101)#
November 2021	0.008 (±0.011)#	0.119 (±0.099)#
May 2022	0.005 (±0.005)#	0.115 (±0.099)#
November 2022	0.016 (±0.033)#	0.124 (±0.095)#
May 2023	0.023 (±0.029)#	0.139 (±0.13)#
October 2023	0.003 (±0.003)#	0.110 (±0.091)#
May 2024	0.002 (±0.002)#	0.125 (±0.118)#
October 2024	0.003 (±0.004)#	0.126 (±0.118)#
March 2025	0.004 (±0.007)#	0.126 (±0.110)#
November 2025	0.005 (±0.010)#	0.125 (±0.118)#

* tritum data based on soil samples collected from select specified depths (100, 200, and 300 cm)

tritium data based on soil samples collected throughout the entire profile (i.e., 0 to 300 cm)

Appendix 8. 2025 Monthly ET efficiencies for 11 plots estimated with the Cornell 1D model.

	Plots											Total Monthly Avg	Std Dev
	Originals						Eastern			Western			
Month	4	13	16	19	22	27	31	36	41	45	48		
Jan	84.98	86.97	88.73	87.43	85.84	86.03	72.91	79.08	80.37	67.52	69.19	80.8	7.3
Feb	84.98	86.97	88.72	87.43	85.84	86.03	72.87	79.04	80.31	67.48	69.15	80.8	7.4
Mar	84.97	86.96	88.71	87.43	85.83	86.02	72.87	79.03	80.30	67.42	69.07	80.8	7.4
April	84.97	86.96	88.71	87.43	85.83	86.02	72.85	79.00	80.26	67.46	69.12	80.8	7.4
May	84.97	86.96	88.71	87.44	85.84	86.03	72.81	78.95	80.20	67.52	69.18	80.8	7.3
June	84.98	86.96	88.71	87.44	85.84	86.03	72.84	78.94	80.22	67.61	69.28	80.8	7.3
July	84.98	86.96	88.72	87.44	85.84	86.03	72.91	79.05	80.29	67.69	69.38	80.8	7.3
Aug	84.98	86.96	88.71	87.44	85.84	86.03	72.93	79.14	80.34	67.72	69.36	80.9	7.3
Sept	84.98	86.96	88.72	87.43	85.84	86.03	73.07	79.18	80.43	67.87	69.54	80.9	7.2
Oct	84.98	86.96	88.72	87.43	85.83	86.03	73.12	79.20	80.47	67.97	69.65	80.9	7.2
Nov	84.98	86.97	88.72	87.43	85.83	86.03	73.11	79.17	80.44	68.00	69.67	80.9	7.2
Dec	84.99	86.97	88.73	87.43	85.83	86.03	73.12	79.17	80.44	68.02	69.70	80.9	7.2
				Original Average		*86.66*	*Eastern Average*		*77.46*	*Western Average*	*68.52*	*Overall Average*	*80.85*
					Std Dev	*1.2*		*Std Dev*	*3.2*	*Std Dev*	*0.9*	*Std Dev*	*7.3*
					Min	84.97		*Min*	72.81	Min	*67.42*		
					Max	88.73		*Max*	80.47	Max	*69.70*		

APPENDIX H

SAMPLE RESULTS FOR THE F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY SOIL SAMPLING IN THE WETLAND OF FOURMILE BRANCH

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STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	ALUMINUM	11100000	ug/kg		18300	8300	ug/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	IODINE-129	1.44	pCi/g	J	1.62		pCi/g	21
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	IRON	2830000	ug/kg		36500	12000	ug/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	MANGANESE	73700	ug/kg		1830	365	ug/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	STRONTIUM-90	8.45	pCi/g		2.43		pCi/g	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	TECHNETIUM-99	25.2	pCi/g		6.96		pCi/g	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	TOTAL ORGANIC CARBON	30200	mg/kg		498	199	mg/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	TOTAL ORGANIC CARBON	25600	mg/kg		498	199	mg/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	TOTAL ORGANIC CARBON	30000	mg/kg		498	199	mg/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	TOTAL ORGANIC CARBON	30300	mg/kg		498	199	mg/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	TOTAL ORGANIC CARBON	30300	mg/kg		498	199	mg/kg	
FAIS007	6/16/2025	0	0.5	ft	SOIL	46.2	URANIUM-238	146	pCi/g		14.7		pCi/g	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	ALUMINUM	7170000	ug/kg		11500	5240	ug/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	IODINE-129	0.0924	pCi/g	U	1.12		pCi/g	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	IRON	1570000	ug/kg		23000	7600	ug/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	MANGANESE	14200	ug/kg		1150	230	ug/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	STRONTIUM-90	1.23	pCi/g	J	1.43		pCi/g	21
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	TECHNETIUM-99	11.3	pCi/g		5.75		pCi/g	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	TOTAL ORGANIC CARBON	10900	mg/kg		636	254	mg/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	TOTAL ORGANIC CARBON	10800	mg/kg		636	254	mg/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	TOTAL ORGANIC CARBON	11000	mg/kg		636	254	mg/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	TOTAL ORGANIC CARBON	10900	mg/kg		636	254	mg/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	TOTAL ORGANIC CARBON	10900	mg/kg		636	254	mg/kg	
FAIS007	6/16/2025	0.5	1	ft	SOIL	27.5	URANIUM-238	35.5	pCi/g		5.44		pCi/g	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	ALUMINUM	5440000	ug/kg		12900	5850	ug/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	IODINE-129	-0.172	pCi/g	U	0.761		pCi/g	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	IRON	1470000	ug/kg		25700	8490	ug/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	MANGANESE	12600	ug/kg		1290	257	ug/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	STRONTIUM-90	1.04	pCi/g	J	1.10		pCi/g	21
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	TECHNETIUM-99	17.2	pCi/g		5.87		pCi/g	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	TOTAL ORGANIC CARBON	16600	mg/kg		712	285	mg/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	TOTAL ORGANIC CARBON	15300	mg/kg		712	285	mg/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	TOTAL ORGANIC CARBON	16500	mg/kg		712	285	mg/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	TOTAL ORGANIC CARBON	16600	mg/kg		712	285	mg/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	TOTAL ORGANIC CARBON	16600	mg/kg		712	285	mg/kg	
FAIS007	6/16/2025	1	1.5	ft	SOIL	30.6	URANIUM-238	39.2	pCi/g		5.78		pCi/g	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	ALUMINUM	12200000	ug/kg		17300	7880	ug/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	IODINE-129	0.209	pCi/g	U	1.05		pCi/g	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	IRON	2660000	ug/kg		34600	11400	ug/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	MANGANESE	22800	ug/kg		1730	346	ug/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	STRONTIUM-90	1.50	pCi/g		1.26		pCi/g	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	TECHNETIUM-99	25.0	pCi/g		7.13		pCi/g	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	TOTAL ORGANIC CARBON	17200	mg/kg		2540	1020	mg/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	TOTAL ORGANIC CARBON	17100	mg/kg		2540	1020	mg/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	TOTAL ORGANIC CARBON	17200	mg/kg		2540	1020	mg/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	TOTAL ORGANIC CARBON	17200	mg/kg		2540	1020	mg/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	TOTAL ORGANIC CARBON	17200	mg/kg		2540	1020	mg/kg	
FAIS007	6/16/2025	1.5	2	ft	SOIL	49.6	URANIUM-238	99.8	pCi/g		11.2		pCi/g	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	ALUMINUM	14200000	ug/kg		23200	10600	ug/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	IODINE-129	0.0402	pCi/g	U	2.25		pCi/g	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	IRON	2830000	ug/kg		46400	15300	ug/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	MANGANESE	26100	ug/kg		2320	464	ug/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	STRONTIUM-90	4.25	pCi/g		2.20		pCi/g	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	TECHNETIUM-99	33.6	pCi/g		8.51		pCi/g	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	TOTAL ORGANIC CARBON	134000	mg/kg		4670	1870	mg/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	TOTAL ORGANIC CARBON	105000	mg/kg		4670	1870	mg/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	TOTAL ORGANIC CARBON	133000	mg/kg		4670	1870	mg/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	TOTAL ORGANIC CARBON	134000	mg/kg		4670	1870	mg/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	TOTAL ORGANIC CARBON	135000	mg/kg		4670	1870	mg/kg	
FAIS007	6/16/2025	2	2.5	ft	SOIL	61.2	URANIUM-238	204	pCi/g		19.7		pCi/g	
FAIS007	6/25/2025	5	6	ft	SOIL	29	ALUMINUM	1170000	ug/kg		13100	5950	ug/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	IODINE-129	0.277	pCi/g	U	2.34		pCi/g	
FAIS007	6/25/2025	5	6	ft	SOIL	29	IRON	496000	ug/kg		26100	8630	ug/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	MANGANESE	10400	ug/kg		1310	261	ug/kg	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS007	6/25/2025	5	6	ft	SOIL	29	STRONTIUM-90	0.546	pCi/g	U	2.28		pCi/g	
FAIS007	6/25/2025	5	6	ft	SOIL	29	TECHNETIUM-99	8.06	pCi/g	J	9.45		pCi/g	21
FAIS007	6/25/2025	5	6	ft	SOIL	29	TOTAL ORGANIC CARBON	19900	mg/kg		499	200	mg/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	TOTAL ORGANIC CARBON	15200	mg/kg		499	200	mg/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	TOTAL ORGANIC CARBON	19600	mg/kg		499	200	mg/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	TOTAL ORGANIC CARBON	19900	mg/kg		499	200	mg/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	TOTAL ORGANIC CARBON	19900	mg/kg		499	200	mg/kg	
FAIS007	6/25/2025	5	6	ft	SOIL	29	URANIUM-238	27.5	pCi/g		5.55		pCi/g	
FAIS007	6/25/2025	7	8	ft	SOIL	18	ALUMINUM	552000	ug/kg		10800	4910	ug/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	IODINE-129	-0.130	pCi/g	U	1.29		pCi/g	
FAIS007	6/25/2025	7	8	ft	SOIL	18	IRON	1240000	ug/kg		21600	7120	ug/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	MANGANESE	3890	ug/kg		1080	216	ug/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	STRONTIUM-90	0.633	pCi/g	U	1.85		pCi/g	
FAIS007	6/25/2025	7	8	ft	SOIL	18	TECHNETIUM-99	0.192	pCi/g	U	6.68		pCi/g	
FAIS007	6/25/2025	7	8	ft	SOIL	18	TOTAL ORGANIC CARBON	698	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	TOTAL ORGANIC CARBON	887	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	TOTAL ORGANIC CARBON	738	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	TOTAL ORGANIC CARBON	698	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	TOTAL ORGANIC CARBON	678	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	7	8	ft	SOIL	18	URANIUM-238	0.00284	pCi/g	U	0.887		pCi/g	
FAIS007	6/25/2025	9	10	ft	SOIL	19	ALUMINUM	147000	ug/kg		10300	4690	ug/kg	
FAIS007	6/25/2025	9	10	ft	SOIL	19	IODINE-129	-0.0231	pCi/g	U	1.57		pCi/g	
FAIS007	6/25/2025	9	10	ft	SOIL	19	IRON	259000	ug/kg		20600	6810	ug/kg	
FAIS007	6/25/2025	9	10	ft	SOIL	19	MANGANESE	988	ug/kg	J	1030	206	ug/kg	21
FAIS007	6/25/2025	9	10	ft	SOIL	19	STRONTIUM-90	0.377	pCi/g	U	2.01		pCi/g	
FAIS007	6/25/2025	9	10	ft	SOIL	19	TECHNETIUM-99	-1.78	pCi/g	U	6.34		pCi/g	
FAIS007	6/25/2025	9	10	ft	SOIL	19	TOTAL ORGANIC CARBON	420	mg/kg	J	500	200	mg/kg	21
FAIS007	6/25/2025	9	10	ft	SOIL	19	TOTAL ORGANIC CARBON	430	mg/kg	J	500	200	mg/kg	21
FAIS007	6/25/2025	9	10	ft	SOIL	19	TOTAL ORGANIC CARBON	430	mg/kg	J	500	200	mg/kg	21
FAIS007	6/25/2025	9	10	ft	SOIL	19	TOTAL ORGANIC CARBON	420	mg/kg	J	500	200	mg/kg	21
FAIS007	6/25/2025	9	10	ft	SOIL	19	TOTAL ORGANIC CARBON	410	mg/kg	J	500	200	mg/kg	21
FAIS007	6/25/2025	9	10	ft	SOIL	19	URANIUM-238	0.125	pCi/g	U	0.899		pCi/g	
FAIS007	6/25/2025	11	12	ft	SOIL	18	ALUMINUM	212000	ug/kg		10900	4960	ug/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	IODINE-129	-0.0358	pCi/g	U	1.20		pCi/g	
FAIS007	6/25/2025	11	12	ft	SOIL	18	IRON	1080000	ug/kg		21800	7200	ug/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	MANGANESE	4540	ug/kg		1090	218	ug/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	STRONTIUM-90	0.204	pCi/g	U	2.65		pCi/g	
FAIS007	6/25/2025	11	12	ft	SOIL	18	TECHNETIUM-99	0.680	pCi/g	U	7.20		pCi/g	
FAIS007	6/25/2025	11	12	ft	SOIL	18	TOTAL ORGANIC CARBON	548	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	TOTAL ORGANIC CARBON	548	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	TOTAL ORGANIC CARBON	548	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	TOTAL ORGANIC CARBON	548	mg/kg		499	199	mg/kg	
FAIS007	6/25/2025	11	12	ft	SOIL	18	URANIUM-238	0.378	pCi/g	J	1.00		pCi/g	21
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	ALUMINUM	19100000	ug/kg		24300	11000	ug/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	IODINE-129	4.83	pCi/g	R	6.98		pCi/g	1
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	IRON	4600000	ug/kg		48500	16000	ug/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	MANGANESE	168000	ug/kg		2430	485	ug/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	STRONTIUM-90	-1.36	pCi/g	U	21.0		pCi/g	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	TECHNETIUM-99	21.0	pCi/g		10.3		pCi/g	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	TOTAL ORGANIC CARBON	94000	mg/kg		3600	1440	mg/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	TOTAL ORGANIC CARBON	91600	mg/kg		3600	1440	mg/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	TOTAL ORGANIC CARBON	94500	mg/kg		3600	1440	mg/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	TOTAL ORGANIC CARBON	95000	mg/kg		3600	1440	mg/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	TOTAL ORGANIC CARBON	95200	mg/kg		3600	1440	mg/kg	
FAIS007A	2/24/2026	0	0.5	ft	SOIL	58.8	URANIUM-238	103	pCi/g		14.4		pCi/g	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	ALUMINUM	4380000	ug/kg		13200	6020	ug/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	IODINE-129	0.322	pCi/g	U	2.63		pCi/g	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	IRON	1090000	ug/kg		26500	8730	ug/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	MANGANESE	19000	ug/kg		1320	265	ug/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	STRONTIUM-90	0.497	pCi/g	U	13.4		pCi/g	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	TECHNETIUM-99	1.28	pCi/g	U	11.3		pCi/g	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	TOTAL ORGANIC CARBON	14600	mg/kg		984	394	mg/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	TOTAL ORGANIC CARBON	15600	mg/kg		984	394	mg/kg	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	TOTAL ORGANIC CARBON	14900	mg/kg		984	394	mg/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	TOTAL ORGANIC CARBON	14500	mg/kg		984	394	mg/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	TOTAL ORGANIC CARBON	14400	mg/kg		984	394	mg/kg	
FAIS007A	2/24/2026	0.5	1	ft	SOIL	24.4	URANIUM-238	27.8	pCi/g		5.97		pCi/g	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	ALUMINUM	7750000	ug/kg		15700	7160	ug/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	IODINE-129	-0.417	pCi/g	U	2.09		pCi/g	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	IRON	2210000	ug/kg		31500	10400	ug/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	MANGANESE	33700	ug/kg		1570	315	ug/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	STRONTIUM-90	7.04	pCi/g	J	14.1		pCi/g	21
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	TECHNETIUM-99	1.75	pCi/g	U	7.36		pCi/g	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	TOTAL ORGANIC CARBON	27000	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	TOTAL ORGANIC CARBON	26600	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	TOTAL ORGANIC CARBON	27200	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	TOTAL ORGANIC CARBON	27100	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	TOTAL ORGANIC CARBON	27200	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	1	1.5	ft	SOIL	37.7	URANIUM-238	17.4	pCi/g		6.22		pCi/g	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	ALUMINUM	12700000	ug/kg		16600	7540	ug/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	IODINE-129	-0.484	pCi/g	U	2.30		pCi/g	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	IRON	3720000	ug/kg		33100	10900	ug/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	MANGANESE	55200	ug/kg		1660	331	ug/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	STRONTIUM-90	3.29	pCi/g	U	7.82		pCi/g	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	TECHNETIUM-99	4.65	pCi/g	J	9.00		pCi/g	21
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	TOTAL ORGANIC CARBON	38900	mg/kg		1670	667	mg/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	TOTAL ORGANIC CARBON	38200	mg/kg		1670	667	mg/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	TOTAL ORGANIC CARBON	39000	mg/kg		1670	667	mg/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	TOTAL ORGANIC CARBON	39200	mg/kg		1670	667	mg/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	TOTAL ORGANIC CARBON	39300	mg/kg		1670	667	mg/kg	
FAIS007A	2/24/2026	1.5	2	ft	SOIL	42	URANIUM-238	28.1	pCi/g		6.18		pCi/g	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	ALUMINUM	27000000	ug/kg		37300	17000	ug/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	IODINE-129	-0.118	pCi/g	U	3.97		pCi/g	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	IRON	4430000	ug/kg		74500	24600	ug/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	MANGANESE	272000	ug/kg		3730	745	ug/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	STRONTIUM-90	12.6	pCi/g	J	19.8		pCi/g	21
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	TECHNETIUM-99	3.76	pCi/g	U	10.4		pCi/g	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	125000	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	122000	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	126000	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	126000	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	127000	mg/kg		2500	1000	mg/kg	
FAIS007A	2/24/2026	2	2.5	ft	SOIL	73.7	URANIUM-238	50.5	pCi/g		12.4		pCi/g	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	ALUMINUM	16900000	ug/kg		22900	10400	ug/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	IODINE-129	4.34	pCi/g	J	5.97		pCi/g	21
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	IRON	3750000	ug/kg		45800	15100	ug/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	MANGANESE	154000	ug/kg		2290	458	ug/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	STRONTIUM-90	8.48	pCi/g		2.54		pCi/g	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	TECHNETIUM-99	34.7	pCi/g		10.2		pCi/g	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	TOTAL ORGANIC CARBON	131000	mg/kg		4950	1980	mg/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	TOTAL ORGANIC CARBON	128000	mg/kg		4950	1980	mg/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	TOTAL ORGANIC CARBON	131000	mg/kg		4950	1980	mg/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	TOTAL ORGANIC CARBON	132000	mg/kg		4950	1980	mg/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	TOTAL ORGANIC CARBON	132000	mg/kg		4950	1980	mg/kg	
FAIS007B	6/17/2026	0	0.5	ft	SOIL	57.2	URANIUM-238	218	pCi/g		31.1		pCi/g	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	ALUMINUM	5980000	ug/kg		13400	6090	ug/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	IODINE-129	1.71	pCi/g	J	4.31		pCi/g	21
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	IRON	1460000	ug/kg		26800	8830	ug/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	MANGANESE	23900	ug/kg		1340	268	ug/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	STRONTIUM-90	1.88	pCi/g		1.40		pCi/g	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	TECHNETIUM-99	25.3	pCi/g		10.5		pCi/g	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	TOTAL ORGANIC CARBON	16200	mg/kg		498	199	mg/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	TOTAL ORGANIC CARBON	15800	mg/kg		498	199	mg/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	TOTAL ORGANIC CARBON	16200	mg/kg		498	199	mg/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	TOTAL ORGANIC CARBON	16300	mg/kg		498	199	mg/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	TOTAL ORGANIC CARBON	16300	mg/kg		498	199	mg/kg	
FAIS007B	6/17/2026	0.5	1	ft	SOIL	33.5	URANIUM-238	74.8	pCi/g		10.6		pCi/g	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	ALUMINUM	12500000	ug/kg		22100	10000	ug/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	IODINE-129	-0.0505	pCi/g	U	0.885		pCi/g	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	IRON	3520000	ug/kg		44100	14600	ug/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	MANGANESE	116000	ug/kg		2210	441	ug/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	STRONTIUM-90	12.0	pCi/g		2.57		pCi/g	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	TECHNETIUM-99	4.60	pCi/g	J	8.81		pCi/g	21
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	TOTAL ORGANIC CARBON	32500	mg/kg		1210	484	mg/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	TOTAL ORGANIC CARBON	31900	mg/kg		1210	484	mg/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	TOTAL ORGANIC CARBON	32600	mg/kg		1210	484	mg/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	TOTAL ORGANIC CARBON	32700	mg/kg		1210	484	mg/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	TOTAL ORGANIC CARBON	32800	mg/kg		1210	484	mg/kg	
FAIS007B	6/17/2026	1	1.5	ft	SOIL	55	URANIUM-238	8.61	pCi/g		3.63		pCi/g	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	ALUMINUM	19000000	ug/kg		26600	12100	ug/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	IODINE-129	0.103	pCi/g	U	1.53		pCi/g	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	IRON	3610000	ug/kg		53200	17600	ug/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	MANGANESE	160000	ug/kg		2660	532	ug/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	STRONTIUM-90	42.0	pCi/g		4.40		pCi/g	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	TECHNETIUM-99	12.4	pCi/g	J	13.7		pCi/g	21
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	TOTAL ORGANIC CARBON	28300	mg/kg		3090	1230	mg/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	TOTAL ORGANIC CARBON	28300	mg/kg		3090	1230	mg/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	TOTAL ORGANIC CARBON	28400	mg/kg		3090	1230	mg/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	TOTAL ORGANIC CARBON	28300	mg/kg		3090	1230	mg/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	TOTAL ORGANIC CARBON	28300	mg/kg		3090	1230	mg/kg	
FAIS007B	6/17/2026	1.5	2	ft	SOIL	67.4	URANIUM-238	43.6	pCi/g		7.59		pCi/g	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	ALUMINUM	5380000	ug/kg		15800	7190	ug/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	IODINE-129	2.59	pCi/g	J	3.06		pCi/g	21
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	IRON	2390000	ug/kg		31600	10400	ug/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	MANGANESE	59900	ug/kg		1580	316	ug/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	STRONTIUM-90	4.60	pCi/g		1.76		pCi/g	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	TECHNETIUM-99	12.7	pCi/g		6.06		pCi/g	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	TOTAL ORGANIC CARBON	149000	mg/kg		4670	1870	mg/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	TOTAL ORGANIC CARBON	117000	mg/kg		4670	1870	mg/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	TOTAL ORGANIC CARBON	148000	mg/kg		4670	1870	mg/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	TOTAL ORGANIC CARBON	149000	mg/kg		4670	1870	mg/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	TOTAL ORGANIC CARBON	148000	mg/kg		4670	1870	mg/kg	
FAIS008	6/17/2025	0	0.5	ft	SOIL	40.7	URANIUM-238	59.0	pCi/g		7.45		pCi/g	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	ALUMINUM	4720000	ug/kg		18300	8330	ug/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	IODINE-129	0.914	pCi/g	R	2.27		pCi/g	211
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	IRON	1380000	ug/kg		36600	12100	ug/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	MANGANESE	40500	ug/kg		1830	366	ug/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	STRONTIUM-90	1.37	pCi/g		1.23		pCi/g	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	TECHNETIUM-99	14.5	pCi/g		7.40		pCi/g	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	TOTAL ORGANIC CARBON	95100	mg/kg		3270	1310	mg/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	TOTAL ORGANIC CARBON	75000	mg/kg		3270	1310	mg/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	TOTAL ORGANIC CARBON	94300	mg/kg		3270	1310	mg/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	TOTAL ORGANIC CARBON	95200	mg/kg		3270	1310	mg/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	TOTAL ORGANIC CARBON	95400	mg/kg		3270	1310	mg/kg	
FAIS008	6/17/2025	0.5	1	ft	SOIL	52.7	URANIUM-238	96.1	pCi/g		10.6		pCi/g	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	ALUMINUM	3310000	ug/kg		18200	8280	ug/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	IODINE-129	0.994	pCi/g	J	1.75		pCi/g	21
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	IRON	883000	ug/kg		36400	12000	ug/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	MANGANESE	25600	ug/kg		1820	364	ug/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	STRONTIUM-90	1.26	pCi/g	J	1.48		pCi/g	21
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	TECHNETIUM-99	9.06	pCi/g		6.12		pCi/g	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	TOTAL ORGANIC CARBON	92400	mg/kg		2450	980	mg/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	TOTAL ORGANIC CARBON	70700	mg/kg		2450	980	mg/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	TOTAL ORGANIC CARBON	91300	mg/kg		2450	980	mg/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	TOTAL ORGANIC CARBON	92400	mg/kg		2450	980	mg/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	TOTAL ORGANIC CARBON	92900	mg/kg		2450	980	mg/kg	
FAIS008	6/17/2025	1	1.5	ft	SOIL	49.9	URANIUM-238	56.5	pCi/g		7.26		pCi/g	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	ALUMINUM	2160000	ug/kg		16600	7570	ug/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	IODINE-129	1.37	pCi/g	J	2.17		pCi/g	21
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	IRON	388000	ug/kg		33300	11000	ug/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	MANGANESE	8790	ug/kg		1660	333	ug/kg	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	STRONTIUM-90	0.375	pCi/g	U	1.04		pCi/g	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	TECHNETIUM-99	9.95	pCi/g		7.19		pCi/g	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	TOTAL ORGANIC CARBON	119000	mg/kg		2280	913	mg/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	TOTAL ORGANIC CARBON	98600	mg/kg		2280	913	mg/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	TOTAL ORGANIC CARBON	118000	mg/kg		2280	913	mg/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	TOTAL ORGANIC CARBON	120000	mg/kg		2280	913	mg/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	TOTAL ORGANIC CARBON	119000	mg/kg		2280	913	mg/kg	
FAIS008	6/17/2025	1.5	2	ft	SOIL	44.5	URANIUM-238	32.3	pCi/g		4.88		pCi/g	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	ALUMINUM	10300000	ug/kg		27700	12600	ug/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	IODINE-129	1.35	pCi/g	J	2.76		pCi/g	21
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	IRON	3190000	ug/kg		55300	18300	ug/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	MANGANESE	1830000	ug/kg		13800	2770	ug/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	STRONTIUM-90	23.0	pCi/g		4.27		pCi/g	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	TECHNETIUM-99	23.4	pCi/g		8.42		pCi/g	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	TOTAL ORGANIC CARBON	114000	mg/kg		2490	995	mg/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	TOTAL ORGANIC CARBON	89500	mg/kg		2490	995	mg/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	TOTAL ORGANIC CARBON	112000	mg/kg		2490	995	mg/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	TOTAL ORGANIC CARBON	114000	mg/kg		2490	995	mg/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	TOTAL ORGANIC CARBON	114000	mg/kg		2490	995	mg/kg	
FAIS009	6/17/2025	0	0.5	ft	SOIL	66.5	URANIUM-238	23.6	pCi/g		4.96		pCi/g	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	ALUMINUM	5870000	ug/kg		21300	9690	ug/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	IODINE-129	0.443	pCi/g	U	2.34		pCi/g	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	IRON	582000	ug/kg		42600	14000	ug/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	MANGANESE	192000	ug/kg		2130	426	ug/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	STRONTIUM-90	19.7	pCi/g		3.11		pCi/g	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	TECHNETIUM-99	9.42	pCi/g		5.67		pCi/g	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	TOTAL ORGANIC CARBON	133000	mg/kg		3130	1250	mg/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	TOTAL ORGANIC CARBON	111000	mg/kg		3130	1250	mg/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	TOTAL ORGANIC CARBON	132000	mg/kg		3130	1250	mg/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	TOTAL ORGANIC CARBON	133000	mg/kg		3130	1250	mg/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	TOTAL ORGANIC CARBON	133000	mg/kg		3130	1250	mg/kg	
FAIS009	6/17/2025	0.5	1	ft	SOIL	56.2	URANIUM-238	5.32	pCi/g		2.31		pCi/g	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	ALUMINUM	5590000	ug/kg		25700	11700	ug/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	IODINE-129	0.791	pCi/g	U	2.73		pCi/g	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	IRON	589000	ug/kg		51400	17000	ug/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	MANGANESE	220000	ug/kg		2570	514	ug/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	STRONTIUM-90	13.6	pCi/g		2.80		pCi/g	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	TECHNETIUM-99	16.3	pCi/g		6.83		pCi/g	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	TOTAL ORGANIC CARBON	32800	mg/kg		3680	1470	mg/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	TOTAL ORGANIC CARBON	33500	mg/kg		3680	1470	mg/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	TOTAL ORGANIC CARBON	32600	mg/kg		3680	1470	mg/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	TOTAL ORGANIC CARBON	32500	mg/kg		3680	1470	mg/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	TOTAL ORGANIC CARBON	32500	mg/kg		3680	1470	mg/kg	
FAIS009	6/17/2025	1	1.5	ft	SOIL	61.7	URANIUM-238	3.78	pCi/g		2.81		pCi/g	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	ALUMINUM	30000000	ug/kg		31000	14100	ug/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	IODINE-129	7.28	pCi/g		6.01		pCi/g	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	IRON	10300000	ug/kg		62100	20500	ug/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	MANGANESE	719000	ug/kg		15500	3100	ug/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	STRONTIUM-90	25.9	pCi/g		3.89		pCi/g	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	TECHNETIUM-99	23.7	pCi/g		6.51		pCi/g	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	TOTAL ORGANIC CARBON	17200	mg/kg		2430	971	mg/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	TOTAL ORGANIC CARBON	17300	mg/kg		2430	971	mg/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	TOTAL ORGANIC CARBON	17100	mg/kg		2430	971	mg/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	TOTAL ORGANIC CARBON	17200	mg/kg		2430	971	mg/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	TOTAL ORGANIC CARBON	17200	mg/kg		2430	971	mg/kg	
FAIS010	6/18/2025	0	0.5	ft	SOIL	72.7	URANIUM-238	204	pCi/g		21.6		pCi/g	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	ALUMINUM	12900000	ug/kg		17000	7750	ug/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	IODINE-129	0.0766	pCi/g	U	2.37		pCi/g	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	IRON	5310000	ug/kg		34100	11200	ug/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	MANGANESE	257000	ug/kg		1700	341	ug/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	STRONTIUM-90	14.1	pCi/g		3.55		pCi/g	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	TECHNETIUM-99	5.87	pCi/g		5.73		pCi/g	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	TOTAL ORGANIC CARBON	54300	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	TOTAL ORGANIC CARBON	47900	mg/kg		2500	1000	mg/kg	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	TOTAL ORGANIC CARBON	54000	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	TOTAL ORGANIC CARBON	54100	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	TOTAL ORGANIC CARBON	54300	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	0.5	1	ft	SOIL	49.4	URANIUM-238	7.52	pCi/g		2.75		pCi/g	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	ALUMINUM	11200000	ug/kg		24900	11300	ug/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	IODINE-129	-0.108	pCi/g	U	2.84		pCi/g	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	IRON	2420000	ug/kg		49800	16400	ug/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	MANGANESE	247000	ug/kg		2490	498	ug/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	STRONTIUM-90	6.30	pCi/g		1.87		pCi/g	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	TECHNETIUM-99	6.45	pCi/g		5.86		pCi/g	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	TOTAL ORGANIC CARBON	25200	mg/kg		2750	1100	mg/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	TOTAL ORGANIC CARBON	25300	mg/kg		2750	1100	mg/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	TOTAL ORGANIC CARBON	25200	mg/kg		2750	1100	mg/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	TOTAL ORGANIC CARBON	25200	mg/kg		2750	1100	mg/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	TOTAL ORGANIC CARBON	25200	mg/kg		2750	1100	mg/kg	
FAIS010	6/18/2025	1	1.5	ft	SOIL	66.3	URANIUM-238	8.69	pCi/g		3.13		pCi/g	
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	ALUMINUM	7740000	ug/kg		30300	13800	ug/kg	
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	IODINE-129	1.19	pCi/g	U	2.89		pCi/g	
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	IRON	976000	ug/kg		60600	20000	ug/kg	
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	MANGANESE	89900	ug/kg		3030	606	ug/kg	
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	STRONTIUM-90	4.65	pCi/g		1.89		pCi/g	
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	TECHNETIUM-99	2.95	pCi/g	J	5.42		pCi/g	21
FAIS010	6/18/2025	1.5	2	ft	SOIL	0	TOTAL ORGANIC CARBON	21600	mg/kg	J	2440	976	mg/kg	Q
FAIS010	6/18/2025	1.5	2	ft	SOIL	0	TOTAL ORGANIC CARBON	21900	mg/kg	J	2440	976	mg/kg	Q
FAIS010	6/18/2025	1.5	2	ft	SOIL	0	TOTAL ORGANIC CARBON	21400	mg/kg	J	2440	976	mg/kg	Q
FAIS010	6/18/2025	1.5	2	ft	SOIL	0	TOTAL ORGANIC CARBON	21600	mg/kg	J	2440	976	mg/kg	Q
FAIS010	6/18/2025	1.5	2	ft	SOIL	0	TOTAL ORGANIC CARBON	21400	mg/kg	J	2440	976	mg/kg	Q
FAIS010	6/18/2025	1.5	2	ft	SOIL	71.2	URANIUM-238	2.35	pCi/g		1.97		pCi/g	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	ALUMINUM	10800000	ug/kg		39700	18100	ug/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	IODINE-129	-0.276	pCi/g	U	2.75		pCi/g	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	IRON	1040000	ug/kg		79400	26200	ug/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	MANGANESE	117000	ug/kg		3970	794	ug/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	STRONTIUM-90	8.54	pCi/g		3.27		pCi/g	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	TECHNETIUM-99	6.99	pCi/g	J	8.47		pCi/g	21
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	TOTAL ORGANIC CARBON	188000	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	TOTAL ORGANIC CARBON	166000	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	TOTAL ORGANIC CARBON	186000	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	TOTAL ORGANIC CARBON	187000	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	TOTAL ORGANIC CARBON	188000	mg/kg		2500	1000	mg/kg	
FAIS010	6/18/2025	2	2.5	ft	SOIL	75.3	URANIUM-238	3.57	pCi/g		2.64		pCi/g	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	ALUMINUM	41700000	ug/kg		183000	83500	ug/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	IODINE-129	3.08	pCi/g		2.97		pCi/g	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	IRON	6930000	ug/kg		73400	24200	ug/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	MANGANESE	860000	ug/kg		18300	3670	ug/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	STRONTIUM-90	14.0	pCi/g		3.06		pCi/g	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	TECHNETIUM-99	18.9	pCi/g		8.11		pCi/g	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	TOTAL ORGANIC CARBON	57300	mg/kg		2460	985	mg/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	TOTAL ORGANIC CARBON	52000	mg/kg		2460	985	mg/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	TOTAL ORGANIC CARBON	57100	mg/kg		2460	985	mg/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	TOTAL ORGANIC CARBON	57200	mg/kg		2460	985	mg/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	TOTAL ORGANIC CARBON	57400	mg/kg		2460	985	mg/kg	
FAIS011	6/19/2025	0	0.5	ft	SOIL	76.6	URANIUM-238	193	pCi/g		17.7		pCi/g	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	ALUMINUM	7640000	ug/kg		12700	5770	ug/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	IODINE-129	0.364	pCi/g	U	1.61		pCi/g	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	IRON	1530000	ug/kg		25400	8370	ug/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	MANGANESE	57000	ug/kg		1270	254	ug/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	STRONTIUM-90	5.26	pCi/g		2.69		pCi/g	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	TECHNETIUM-99	3.52	pCi/g	J	6.81		pCi/g	21
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	TOTAL ORGANIC CARBON	55200	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	TOTAL ORGANIC CARBON	50400	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	TOTAL ORGANIC CARBON	55000	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	TOTAL ORGANIC CARBON	55300	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	TOTAL ORGANIC CARBON	55300	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	0.5	1	ft	SOIL	32.6	URANIUM-238	4.81	pCi/g		2.04		pCi/g	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	ALUMINUM	4260000	ug/kg		12400	5660	ug/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	IODINE-129	0.00994	pCi/g	U	1.49		pCi/g	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	IRON	662000	ug/kg		24900	8210	ug/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	MANGANESE	18000	ug/kg		1240	249	ug/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	STRONTIUM-90	1.46	pCi/g		1.29		pCi/g	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	TECHNETIUM-99	0.691	pCi/g	U	5.46		pCi/g	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	TOTAL ORGANIC CARBON	31500	mg/kg		2490	995	mg/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	TOTAL ORGANIC CARBON	31100	mg/kg		2490	995	mg/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	TOTAL ORGANIC CARBON	31600	mg/kg		2490	995	mg/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	TOTAL ORGANIC CARBON	31700	mg/kg		2490	995	mg/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	TOTAL ORGANIC CARBON	31700	mg/kg		2490	995	mg/kg	
FAIS011	6/19/2025	1	1.5	ft	SOIL	28.5	URANIUM-238	0.748	pCi/g	J	1.15		pCi/g	21
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	ALUMINUM	4810000	ug/kg		15200	6930	ug/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	IODINE-129	0.381	pCi/g	U	1.47		pCi/g	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	IRON	667000	ug/kg		30400	10000	ug/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	MANGANESE	16300	ug/kg		1520	304	ug/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	STRONTIUM-90	0.453	pCi/g	U	2.51		pCi/g	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	TECHNETIUM-99	-1.24	pCi/g	U	8.78		pCi/g	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	TOTAL ORGANIC CARBON	52400	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	TOTAL ORGANIC CARBON	46600	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	TOTAL ORGANIC CARBON	52100	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	TOTAL ORGANIC CARBON	52300	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	TOTAL ORGANIC CARBON	52400	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	1.5	2	ft	SOIL	39.7	URANIUM-238	0.692	pCi/g	J	1.12		pCi/g	21
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	ALUMINUM	13500000	ug/kg		18600	8450	ug/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	IODINE-129	0.602	pCi/g	U	2.85		pCi/g	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	IRON	1100000	ug/kg		37100	12300	ug/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	MANGANESE	19100	ug/kg		1860	371	ug/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	STRONTIUM-90	0.000417	pCi/g	U	1.48		pCi/g	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	TECHNETIUM-99	0.409	pCi/g	U	7.22		pCi/g	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	TOTAL ORGANIC CARBON	48500	mg/kg		2430	971	mg/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	TOTAL ORGANIC CARBON	43700	mg/kg		2430	971	mg/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	TOTAL ORGANIC CARBON	48300	mg/kg		2430	971	mg/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	TOTAL ORGANIC CARBON	48500	mg/kg		2430	971	mg/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	TOTAL ORGANIC CARBON	48500	mg/kg		2430	971	mg/kg	
FAIS011	6/19/2025	2	2.5	ft	SOIL	49	URANIUM-238	1.21	pCi/g	J	1.55		pCi/g	21
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	ALUMINUM	5170000	ug/kg		17500	7980	ug/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	IODINE-129	-0.0901	pCi/g	U	1.05		pCi/g	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	IRON	639000	ug/kg		35100	11600	ug/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	MANGANESE	17700	ug/kg		1750	351	ug/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	STRONTIUM-90	0.571	pCi/g	U	3.19		pCi/g	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	TECHNETIUM-99	-0.0723	pCi/g	U	9.88		pCi/g	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	TOTAL ORGANIC CARBON	54800	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	TOTAL ORGANIC CARBON	48500	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	TOTAL ORGANIC CARBON	54600	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	TOTAL ORGANIC CARBON	54600	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	TOTAL ORGANIC CARBON	54800	mg/kg		2480	990	mg/kg	
FAIS011	6/19/2025	2.5	3	ft	SOIL	46.7	URANIUM-238	1.07	pCi/g	J	1.12		pCi/g	21
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	ALUMINUM	3930000	ug/kg		10700	4890	ug/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	IODINE-129	0.0858	pCi/g	U	1.58		pCi/g	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	IRON	440000	ug/kg		21500	7090	ug/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	MANGANESE	3570	ug/kg		1070	215	ug/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	STRONTIUM-90	-0.0961	pCi/g	U	1.90		pCi/g	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	TECHNETIUM-99	0.0123	pCi/g	U	6.12		pCi/g	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	TOTAL ORGANIC CARBON	3940	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	TOTAL ORGANIC CARBON	3930	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	TOTAL ORGANIC CARBON	3940	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	TOTAL ORGANIC CARBON	3960	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	TOTAL ORGANIC CARBON	3950	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	5	6	ft	SOIL	13.7	URANIUM-238	0.524	pCi/g	J	1.06		pCi/g	21
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	ALUMINUM	2350000	ug/kg		11000	4990	ug/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	IODINE-129	0.133	pCi/g	U	2.76		pCi/g	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	IRON	705000	ug/kg		21900	7240	ug/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	MANGANESE	4770	ug/kg		1100	219	ug/kg	

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	STRONTIUM-90	0.467	pCi/g	U	2.81		pCi/g	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	TECHNETIUM-99	0.108	pCi/g	U	6.45		pCi/g	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	TOTAL ORGANIC CARBON	917	mg/kg		499	199	mg/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	TOTAL ORGANIC CARBON	937	mg/kg		499	199	mg/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	TOTAL ORGANIC CARBON	917	mg/kg		499	199	mg/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	TOTAL ORGANIC CARBON	907	mg/kg		499	199	mg/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	TOTAL ORGANIC CARBON	907	mg/kg		499	199	mg/kg	
FAIS011	6/24/2025	7	8	ft	SOIL	16.2	URANIUM-238	0.0273	pCi/g	U	0.779		pCi/g	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	ALUMINUM	6060000	ug/kg		12900	5870	ug/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	IODINE-129	-0.288	pCi/g	U	1.38		pCi/g	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	IRON	9110000	ug/kg		25800	8510	ug/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	MANGANESE	13600	ug/kg		1290	258	ug/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	STRONTIUM-90	-0.486	pCi/g	U	2.28		pCi/g	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	TECHNETIUM-99	-1.25	pCi/g	U	6.44		pCi/g	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	TOTAL ORGANIC CARBON	660	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	TOTAL ORGANIC CARBON	660	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	TOTAL ORGANIC CARBON	660	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	TOTAL ORGANIC CARBON	660	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	9	10	ft	SOIL	27.5	URANIUM-238	0.960	pCi/g	J	1.68		pCi/g	21
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	ALUMINUM	6060000	ug/kg		12800	5820	ug/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	IODINE-129	0.0567	pCi/g	U	1.51		pCi/g	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	IRON	8750000	ug/kg		25600	8450	ug/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	MANGANESE	28700	ug/kg		1280	256	ug/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	STRONTIUM-90	0.750	pCi/g	U	2.29		pCi/g	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	TECHNETIUM-99	-0.906	pCi/g	U	6.51		pCi/g	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	TOTAL ORGANIC CARBON	890	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	TOTAL ORGANIC CARBON	900	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	TOTAL ORGANIC CARBON	890	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	TOTAL ORGANIC CARBON	890	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	TOTAL ORGANIC CARBON	890	mg/kg		500	200	mg/kg	
FAIS011	6/24/2025	11	12	ft	SOIL	26.6	URANIUM-238	0.592	pCi/g	J	1.16		pCi/g	21
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	ALUMINUM	25700000	ug/kg		28700	13100	ug/kg	
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	IODINE-129	6.38	pCi/g	R	11.0		pCi/g	1
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	IRON	6860000	ug/kg		57500	19000	ug/kg	
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	MANGANESE	543000	ug/kg		2870	575	ug/kg	
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	STRONTIUM-90	1.26	pCi/g	U	8.83		pCi/g	
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	TECHNETIUM-99	8.86	pCi/g	J	14.9		pCi/g	21
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	TOTAL ORGANIC CARBON	100000	mg/kg	J	2140	855	mg/kg	Q
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	TOTAL ORGANIC CARBON	98600	mg/kg	J	2140	855	mg/kg	Q
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	TOTAL ORGANIC CARBON	101000	mg/kg	J	2140	855	mg/kg	Q
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	TOTAL ORGANIC CARBON	101000	mg/kg	J	2140	855	mg/kg	Q
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	TOTAL ORGANIC CARBON	101000	mg/kg	J	2140	855	mg/kg	Q
FAIS011A	2/23/2026	0	0.5	ft	SOIL	65.2	URANIUM-238	23.1	pCi/g		7.09		pCi/g	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	ALUMINUM	10500000	ug/kg		15100	6860	ug/kg	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	IODINE-129	-0.277	pCi/g	U	2.46		pCi/g	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	IRON	2600000	ug/kg		30100	9940	ug/kg	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	MANGANESE	44500	ug/kg		1510	301	ug/kg	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	STRONTIUM-90	-1.25	pCi/g	U	9.15		pCi/g	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	TECHNETIUM-99	1.28	pCi/g	U	10.3		pCi/g	
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	TOTAL ORGANIC CARBON	38500	mg/kg	J	2240	897	mg/kg	Q
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	TOTAL ORGANIC CARBON	38300	mg/kg	J	2240	897	mg/kg	Q
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	TOTAL ORGANIC CARBON	38600	mg/kg	J	2240	897	mg/kg	Q
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	TOTAL ORGANIC CARBON	38600	mg/kg	J	2240	897	mg/kg	Q
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	TOTAL ORGANIC CARBON	38600	mg/kg	J	2240	897	mg/kg	Q
FAIS011A	2/23/2026	0.5	1	ft	SOIL	34.9	URANIUM-238	8.60	pCi/g		3.99		pCi/g	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	ALUMINUM	4120000	ug/kg		11000	5010	ug/kg	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	IODINE-129	0.311	pCi/g	U	3.22		pCi/g	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	IRON	909000	ug/kg		22000	7270	ug/kg	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	MANGANESE	23700	ug/kg		1100	220	ug/kg	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	STRONTIUM-90	2.85	pCi/g	U	12.7		pCi/g	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	TECHNETIUM-99	-1.96	pCi/g	U	7.50		pCi/g	
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	TOTAL ORGANIC CARBON	62400	mg/kg	J	2170	870	mg/kg	Q
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	TOTAL ORGANIC CARBON	61000	mg/kg	J	2170	870	mg/kg	Q

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	TOTAL ORGANIC CARBON	62700	mg/kg	J	2170	870	mg/kg	Q
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	TOTAL ORGANIC CARBON	63000	mg/kg	J	2170	870	mg/kg	Q
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	TOTAL ORGANIC CARBON	63000	mg/kg	J	2170	870	mg/kg	Q
FAIS011A	2/23/2026	1	1.5	ft	SOIL	9.23	URANIUM-238	1.61	pCi/g	J	2.10		pCi/g	21
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	ALUMINUM	5690000	ug/kg		14500	6580	ug/kg	
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	IODINE-129	0.257	pCi/g	U	3.61		pCi/g	
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	IRON	856000	ug/kg		28900	9550	ug/kg	
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	MANGANESE	17700	ug/kg		1450	289	ug/kg	
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	STRONTIUM-90	-4.15	pCi/g	U	12.0		pCi/g	
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	TECHNETIUM-99	-2.59	pCi/g	U	12.1		pCi/g	
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	TOTAL ORGANIC CARBON	63400	mg/kg	J	2460	985	mg/kg	Q
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	TOTAL ORGANIC CARBON	62200	mg/kg	J	2460	985	mg/kg	Q
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	TOTAL ORGANIC CARBON	63600	mg/kg	J	2460	985	mg/kg	Q
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	TOTAL ORGANIC CARBON	63900	mg/kg	J	2460	985	mg/kg	Q
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	TOTAL ORGANIC CARBON	64100	mg/kg	J	2460	985	mg/kg	Q
FAIS011A	2/23/2026	1.5	2	ft	SOIL	33.6	URANIUM-238	0.691	pCi/g	J	1.71		pCi/g	21
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	ALUMINUM	5940000	ug/kg		14800	6750	ug/kg	
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	IODINE-129	0.0700	pCi/g	U	3.97		pCi/g	
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	IRON	824000	ug/kg		29700	9790	ug/kg	
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	MANGANESE	28000	ug/kg		1480	297	ug/kg	
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	STRONTIUM-90	1.45	pCi/g	U	10.3		pCi/g	
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	TECHNETIUM-99	-2.65	pCi/g	U	12.4		pCi/g	
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	TOTAL ORGANIC CARBON	79600	mg/kg	J	2360	943	mg/kg	Q
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	TOTAL ORGANIC CARBON	78000	mg/kg	J	2360	943	mg/kg	Q
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	TOTAL ORGANIC CARBON	79900	mg/kg	J	2360	943	mg/kg	Q
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	TOTAL ORGANIC CARBON	80200	mg/kg	J	2360	943	mg/kg	Q
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	TOTAL ORGANIC CARBON	80400	mg/kg	J	2360	943	mg/kg	Q
FAIS011A	2/23/2026	2	2.5	ft	SOIL	32.6	URANIUM-238	0.937	pCi/g	J	1.71		pCi/g	21
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	ALUMINUM	31300000	ug/kg		34900	15900	ug/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	IODINE-129	3.84	pCi/g	J	3.93		pCi/g	21
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	IRON	7930000	ug/kg		69900	23100	ug/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	MANGANESE	1070000	ug/kg		87400	17500	ug/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	STRONTIUM-90	7.38	pCi/g		2.09		pCi/g	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	TECHNETIUM-99	13.3	pCi/g		10.8		pCi/g	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	152000	mg/kg		4850	1940	mg/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	149000	mg/kg		4850	1940	mg/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	152000	mg/kg		4850	1940	mg/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	153000	mg/kg		4850	1940	mg/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	TOTAL ORGANIC CARBON	154000	mg/kg		4850	1940	mg/kg	
FAIS011B	6/16/2026	0	0.5	ft	SOIL	73.7	URANIUM-238	135	pCi/g		17.9		pCi/g	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	ALUMINUM	6380000	ug/kg		14800	6750	ug/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	IODINE-129	0.0525	pCi/g	U	2.21		pCi/g	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	IRON	1790000	ug/kg		29700	9790	ug/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	MANGANESE	55500	ug/kg		1480	297	ug/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	STRONTIUM-90	2.61	pCi/g		1.36		pCi/g	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	TECHNETIUM-99	0.737	pCi/g	U	9.12		pCi/g	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	TOTAL ORGANIC CARBON	20100	mg/kg		2820	1130	mg/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	TOTAL ORGANIC CARBON	20500	mg/kg		2820	1130	mg/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	TOTAL ORGANIC CARBON	20200	mg/kg		2820	1130	mg/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	TOTAL ORGANIC CARBON	19900	mg/kg		2820	1130	mg/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	TOTAL ORGANIC CARBON	19900	mg/kg		2820	1130	mg/kg	
FAIS011B	6/16/2026	0.5	1	ft	SOIL	32.7	URANIUM-238	3.38	pCi/g		2.48		pCi/g	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	ALUMINUM	4540000	ug/kg		13100	5960	ug/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	IODINE-129	-0.158	pCi/g	U	1.10		pCi/g	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	IRON	880000	ug/kg		26200	8640	ug/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	MANGANESE	30400	ug/kg		1310	262	ug/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	STRONTIUM-90	0.645	pCi/g	J	0.919		pCi/g	21
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	TECHNETIUM-99	-1.80	pCi/g	U	9.09		pCi/g	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	TOTAL ORGANIC CARBON	46600	mg/kg		3420	1370	mg/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	TOTAL ORGANIC CARBON	45700	mg/kg		3420	1370	mg/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	TOTAL ORGANIC CARBON	46700	mg/kg		3420	1370	mg/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	TOTAL ORGANIC CARBON	47100	mg/kg		3420	1370	mg/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	TOTAL ORGANIC CARBON	47200	mg/kg		3420	1370	mg/kg	
FAIS011B	6/16/2026	1	1.5	ft	SOIL	32.7	URANIUM-238	1.66	pCi/g	J	1.67		pCi/g	21

STATION NAME	COLLECTION DATE	START DEPTH	END DEPTH	DEPTH UNIT	MATRIX	PERCENT MOISTURE	ANALYTE	RESULT	RESULT UNIT	LAB QUALIFIERS	QUANTITATION LIMIT	METHOD DETECTION LIMIT	DETECTION LIMIT UNIT	QUALIFICATION CODE
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	ALUMINUM	4920000	ug/kg		16100	7330	ug/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	IODINE-129	0.431	pCi/g	U	3.15		pCi/g	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	IRON	657000	ug/kg		32200	10600	ug/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	MANGANESE	17600	ug/kg		1610	322	ug/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	STRONTIUM-90	-0.361	pCi/g	U	1.38		pCi/g	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	TECHNETIUM-99	-2.16	pCi/g	U	8.89		pCi/g	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	TOTAL ORGANIC CARBON	75600	mg/kg		2840	1140	mg/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	TOTAL ORGANIC CARBON	74300	mg/kg		2840	1140	mg/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	TOTAL ORGANIC CARBON	75700	mg/kg		2840	1140	mg/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	TOTAL ORGANIC CARBON	76100	mg/kg		2840	1140	mg/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	TOTAL ORGANIC CARBON	76400	mg/kg		2840	1140	mg/kg	
FAIS011B	6/16/2026	1.5	2	ft	SOIL	40.1	URANIUM-238	0.867	pCi/g	J	1.48		pCi/g	21
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	ALUMINUM	6900000	ug/kg		16100	7320	ug/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	IODINE-129	-0.263	pCi/g	U	2.64		pCi/g	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	IRON	799000	ug/kg		32200	10600	ug/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	MANGANESE	28200	ug/kg		1610	322	ug/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	STRONTIUM-90	0.0922	pCi/g	U	1.56		pCi/g	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	TECHNETIUM-99	0.826	pCi/g	U	10.8		pCi/g	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	TOTAL ORGANIC CARBON	69100	mg/kg		2420	966	mg/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	TOTAL ORGANIC CARBON	67800	mg/kg		2420	966	mg/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	TOTAL ORGANIC CARBON	69200	mg/kg		2420	966	mg/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	TOTAL ORGANIC CARBON	69700	mg/kg		2420	966	mg/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	TOTAL ORGANIC CARBON	69600	mg/kg		2420	966	mg/kg	
FAIS011B	6/16/2026	2	2.5	ft	SOIL	38.4	URANIUM-238	1.59	pCi/g	J	1.68		pCi/g	21
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	ALUMINUM	13100000	ug/kg		15100	6850	ug/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	IODINE-129	0.353	pCi/g	U	2.88		pCi/g	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	IRON	2110000	ug/kg		30100	9940	ug/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	MANGANESE	116000	ug/kg		1510	301	ug/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	STRONTIUM-90	2.14	pCi/g		1.24		pCi/g	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	TECHNETIUM-99	17.1	pCi/g		10.0		pCi/g	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	TOTAL ORGANIC CARBON	35500	mg/kg		4460	1790	mg/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	TOTAL ORGANIC CARBON	35400	mg/kg		4460	1790	mg/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	TOTAL ORGANIC CARBON	35700	mg/kg		4460	1790	mg/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	TOTAL ORGANIC CARBON	35600	mg/kg		4460	1790	mg/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	TOTAL ORGANIC CARBON	35500	mg/kg		4460	1790	mg/kg	
FAIS011B	6/16/2026	2.5	3	ft	SOIL	42.9	URANIUM-238	6.63	pCi/g		3.41		pCi/g	

Qualification Codes:

1	Compound identification criteria were not met.
11	Matrix spike recovery was not within the control limits.
21	Result is above detection, but less than the quantitation limit.
Q	The sample was held beyond the normal holding time prior to analysis.

Savannah River NUCLEAR SOLUTIONS℠

Annual Corrective Action Report for the F-Area Hazardous Waste Management Facility, the H-Area Hazardous Waste Management Facility, and the Mixed Waste Management Facility (U)

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August 2026

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GSA 3Q Figure List
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Map 6C. GSA Corrective Action Report. Tritium Concentrations and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

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Map 7B. GSA Corrective Action Report. Uranium-238 Concentrations and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 7C. GSA Corrective Action Report. Uranium-238 Concentrations and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

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Map 8B. GSA Corrective Action Report. Gross Alpha Concentrations and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 8C. GSA Corrective Action Report. Gross Alpha Concentrations and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

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Map 10C. GSA Corrective Action Report. Nonvolatile Beta Concentrations and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

GSA 3Q Figure List
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Map 13B. Iodine-129 F-Area HWMF Hydrostratigraphic Cross Section A-A’ Third Quarter 2025

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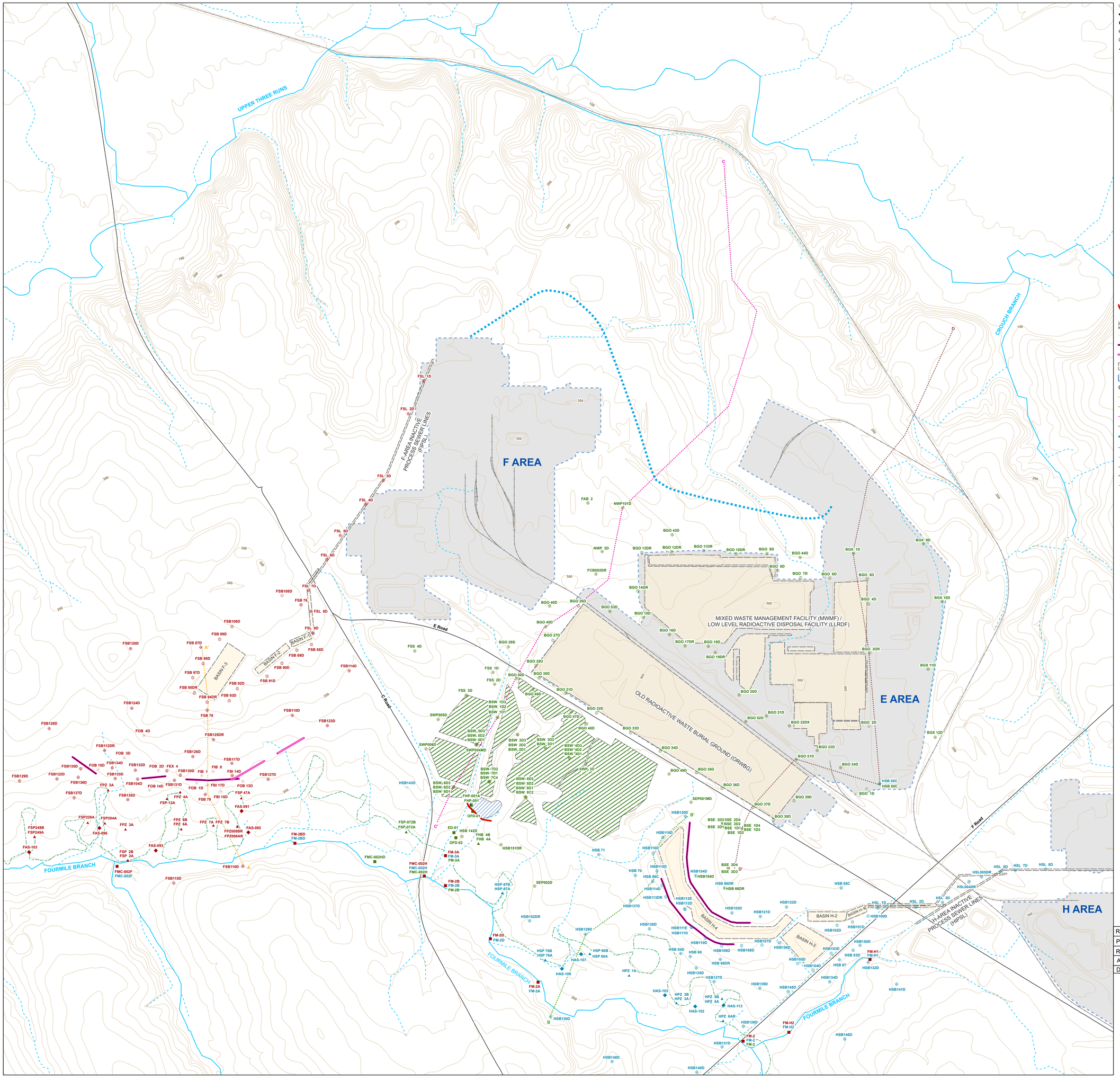
Map 14D. Nitrate-Nitrite H-Area HWMF Hydrostratigraphic Cross-Section B-B' Third Quarter 2025

Map 14E. Nonvolatile Beta H-Area HWMF Hydrostratigraphic Cross-Section B-B' Third Quarter 2025

Map 14F. Strontium-90 H-Area HWMF Hydrostratigraphic Cross-Section B-B' Third Quarter 2025

Map 14G. Tritium H-Area HWMF Hydrostratigraphic Cross-Section B-B' Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

PERMIT

- F-AREA
- H-AREA
- MWMF

- PHYTOREMEDIATION POND
- PHYTOREMEDIATION IRRIGATION PLOTS
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
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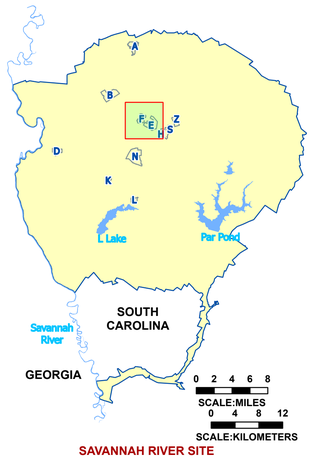
3 6 2 2



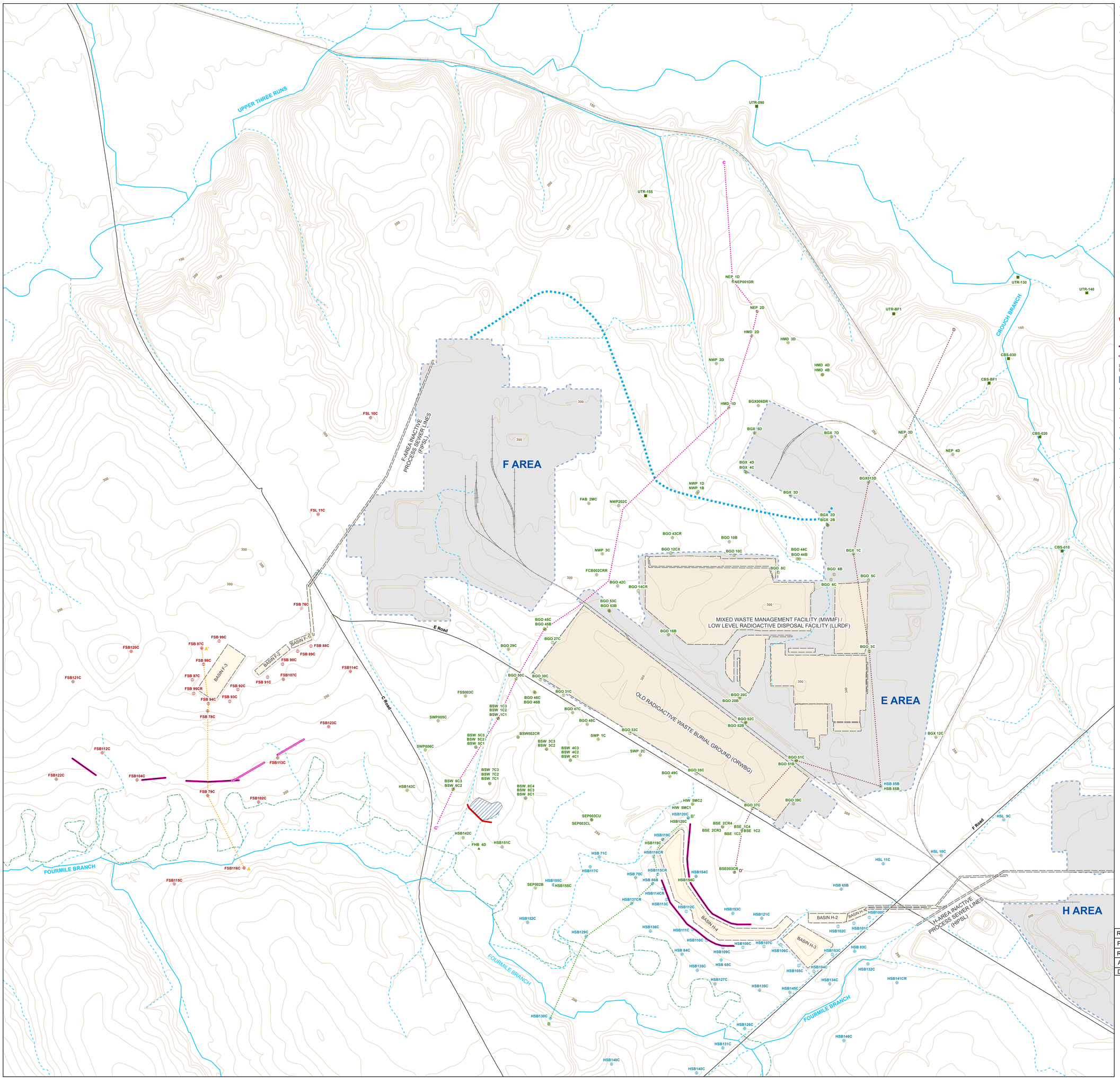
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 01A.
GSA Corrective Action Report, General Separations Area Location Map, UAZ of the UTRA

Map 01A. GSA Corrective Action Report, General Separations Area Location Map, UAZ of the UTRA

MAP01A



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

PERMIT

- F-AREA
- H-AREA
- MWMF

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

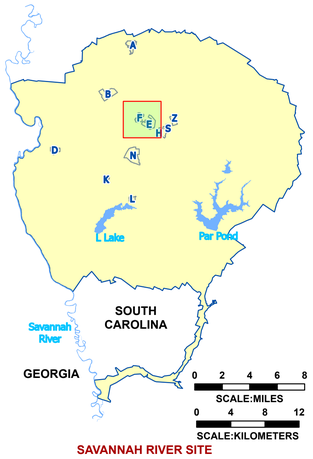
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
16 22



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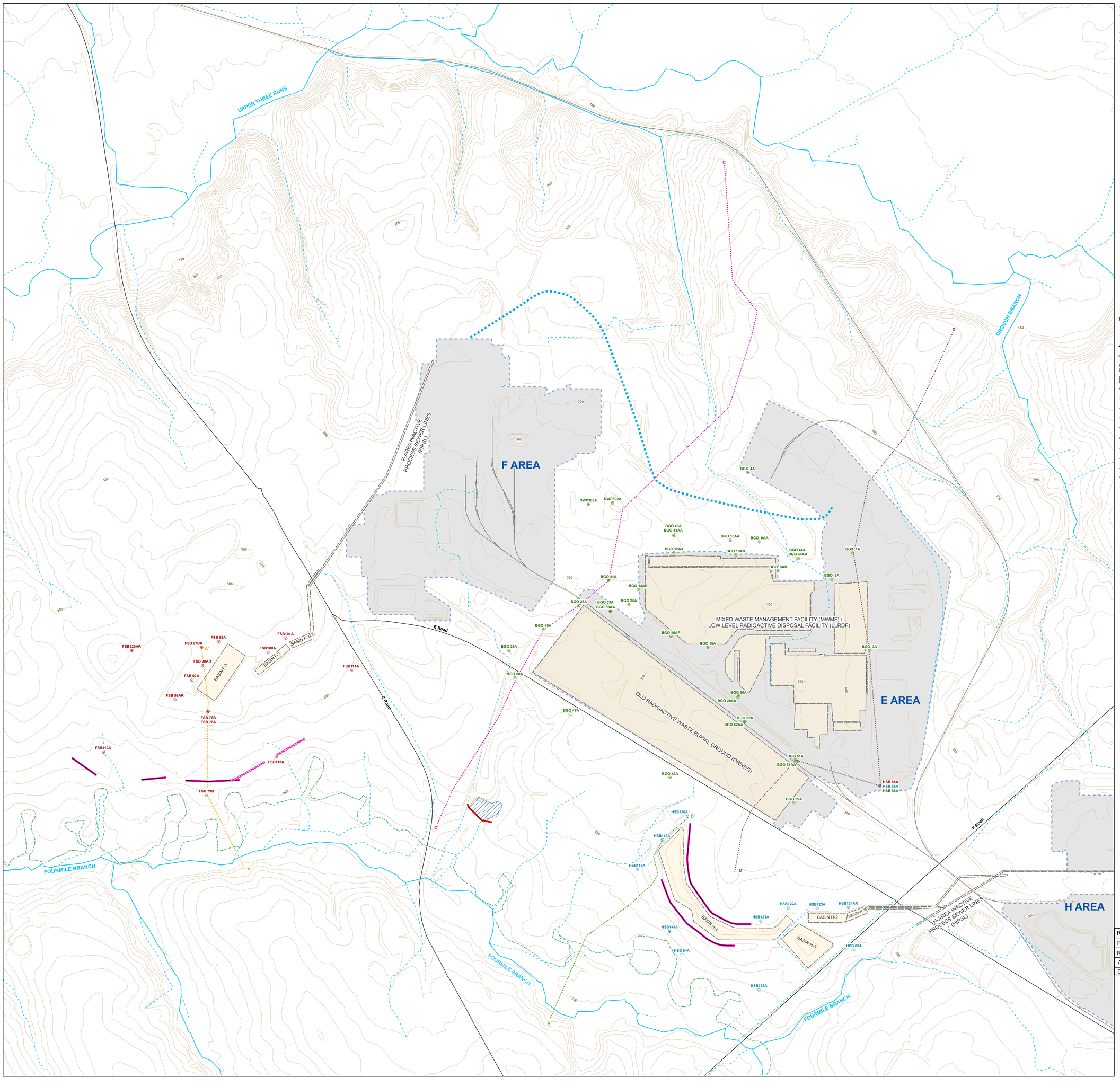
Map 01B.
GSA Corrective Action Report,
General Separations Area
Location Map,
LAZ of the UTRA

Map 01B. GSA Corrective Action Report, General Separations Area Location Map, LAZ of the UTRA

MAP01B



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

PERMIT

- F-AREA
- H-AREA
- MWMF

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

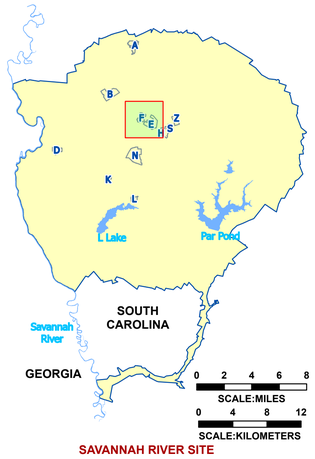
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
3 6 2 2



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Approved By:	Jeffrey Thibault
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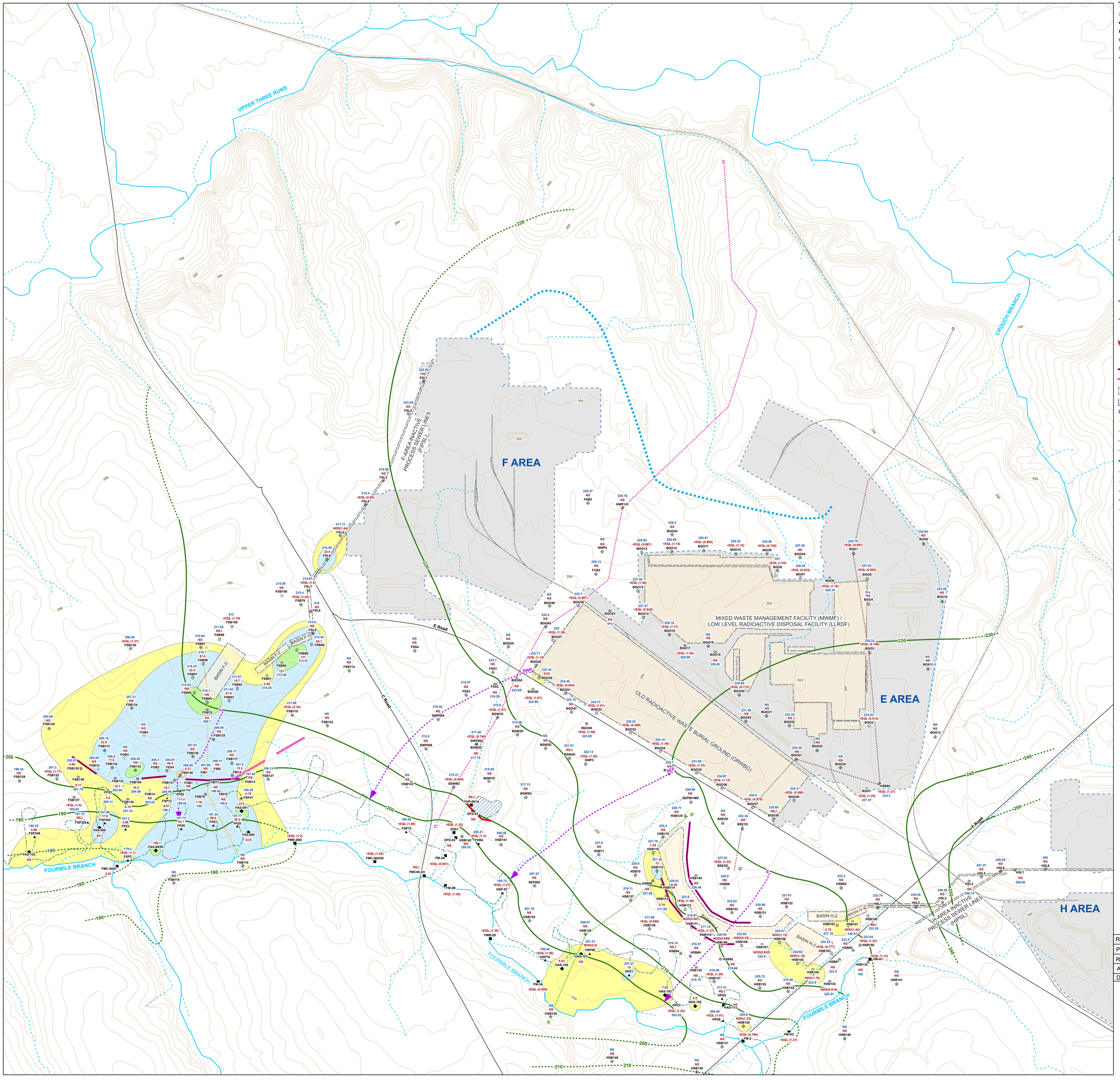
Map 01C.
GSA Corrective Action Report,
General Separations Area
Location Map,
Gordon Aquifer

Map 01C. GSA Corrective Action Report, General Separations Area Location Map, Gordon Aquifer

MAP01C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	IODINE-129 VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 1 - 10 pCi/L GROUNDWATER PROTECTION STANDARD = 1 pCi/L
- 10 - 100 pCi/L
- >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

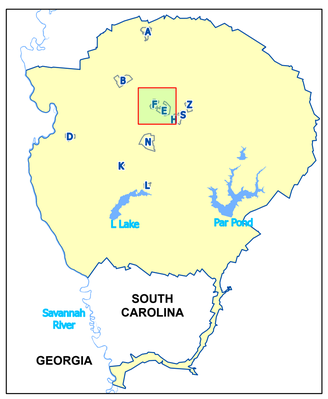
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
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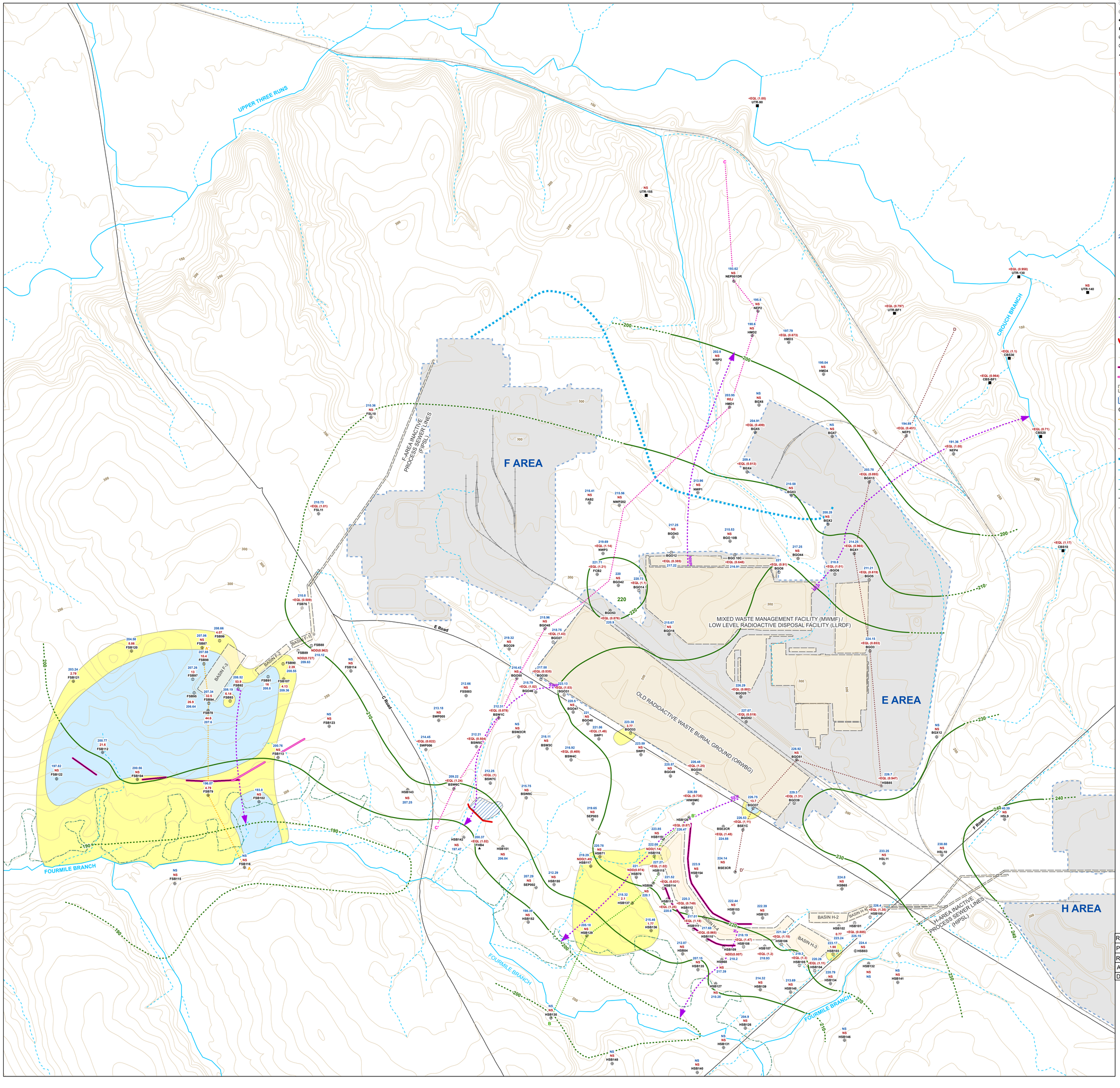
Date:	August 31, 2026

Map 02A. GSA Corrective Action Report, Iodine-129 Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP02A

Map 02A. GSA Corrective Action Report, Iodine-129 Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 IODINE-129 VALUE (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 1 - 10 pCi/L
  GROUNDWATER PROTECTION STANDARD = 1 pCi/L
- 10 - 100 pCi/L
- >100 pCi/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR
  CONTOUR INTERVAL = 10 FEET
  DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

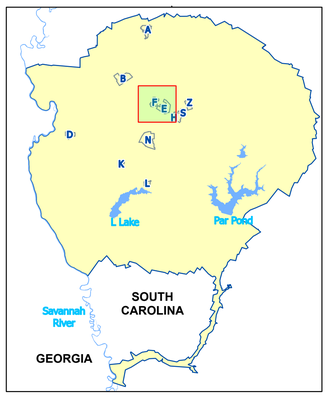
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

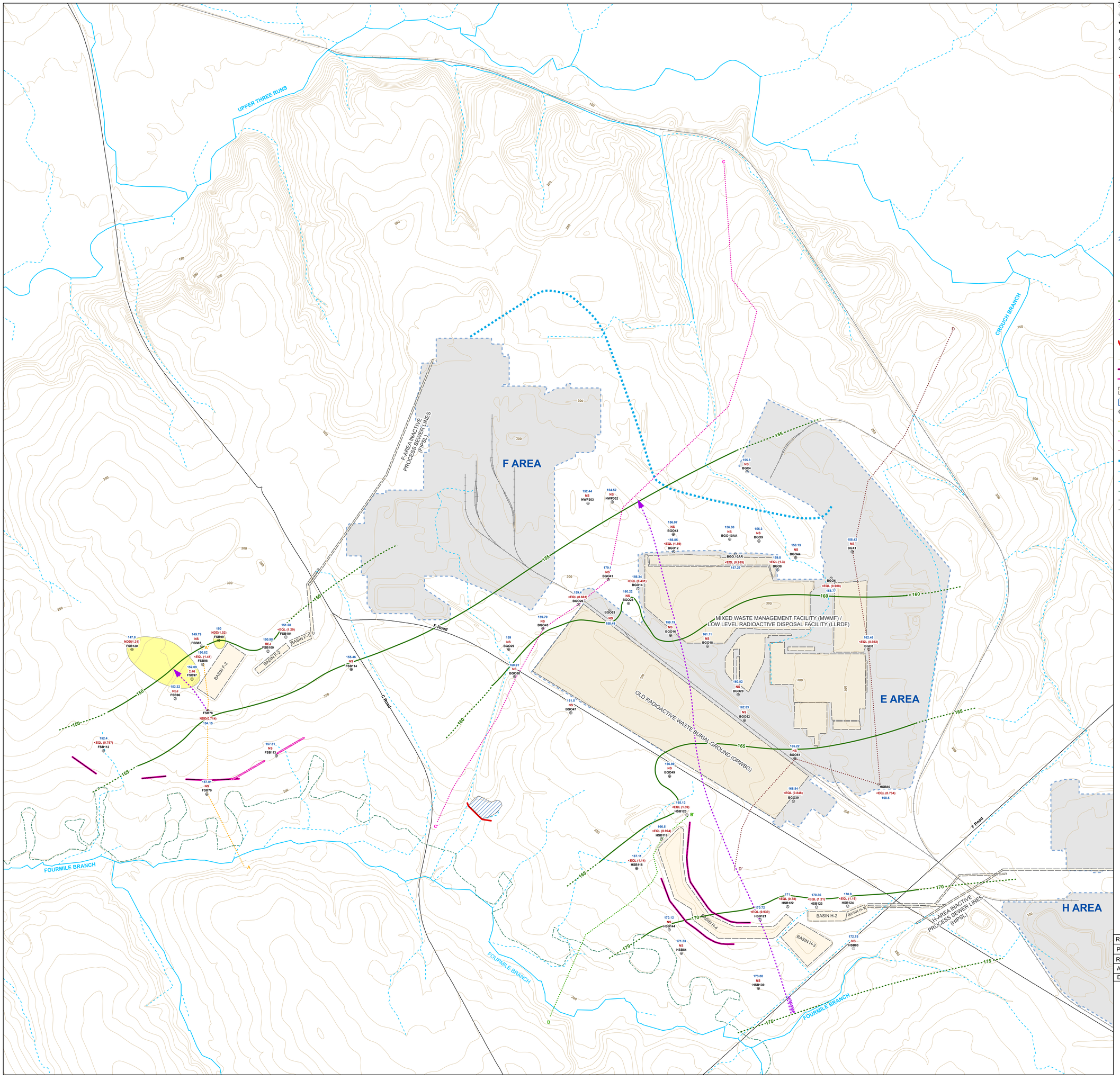
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 02B. GSA Corrective Action Report, Iodine-129 Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP02B

Map 02B. GSA Corrective Action Report, Iodine-129 Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 IODINE-129 VALUE (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 1 - 10 pCi/L GROUNDWATER PROTECTION STANDARD = 1 pCi/L
- 10 - 100 pCi/L
- >100 pCi/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 5 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

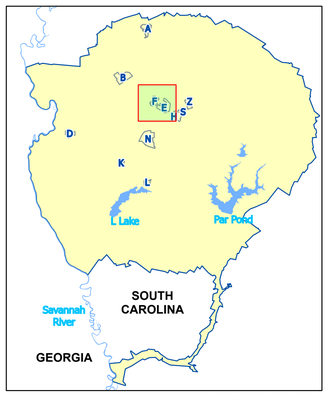
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
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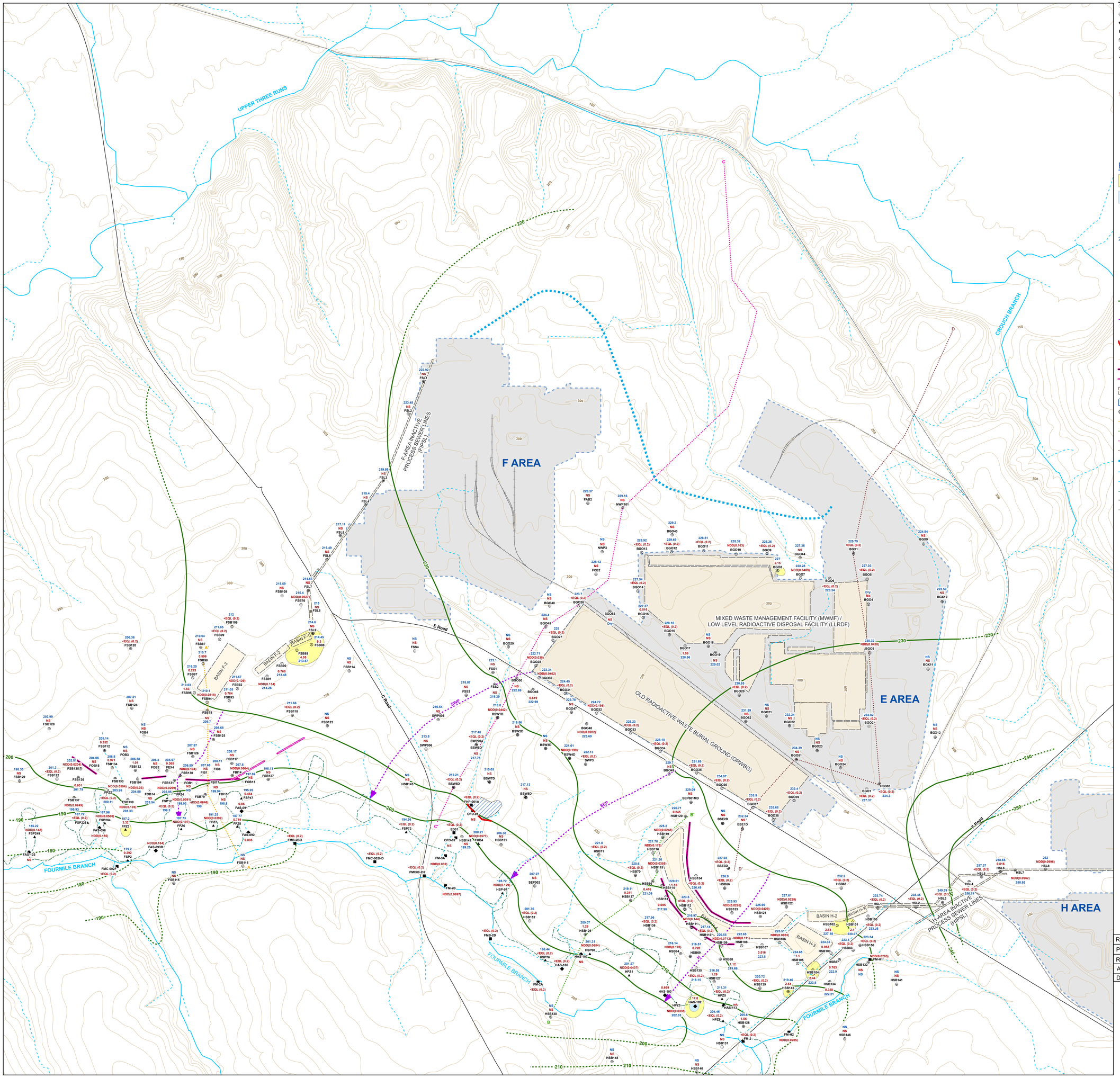
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 02C. GSA Corrective Action Report, Iodine-1129 Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 02C. GSA Corrective Action Report, Iodine-129 Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP02C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 MERCURY VALUE (3Q25) ug/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

2 - 10 ug/L
GROUNDWATER PROTECTION STANDARD = 2 ug/L
10 - 100 ug/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

POTENTIOMETRIC SURFACE CONTOUR
CONTOUR INTERVAL = 10 FEET
DASHED WHERE INFERRED
GROUNDWATER FLOW PATH

PHYTOREMEDIATION POND
TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
SUBSURFACE BARRIER
SUBSURFACE BARRIER EXTENTION
WASTE UNITS AND SEEPAGE BASINS
FACILITY AREA BOUNDARY

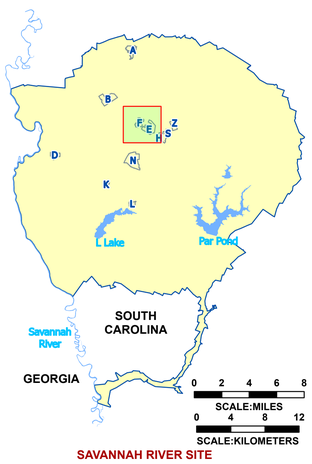
CROSS-SECTION LINES
- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'

WATER TABLE TRANSITION FROM THE UAZ TO LAZ
PERENNIAL STREAM
INTERMITTENT STREAM
SEEPLINE
MAIN / PAVED ROAD
RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
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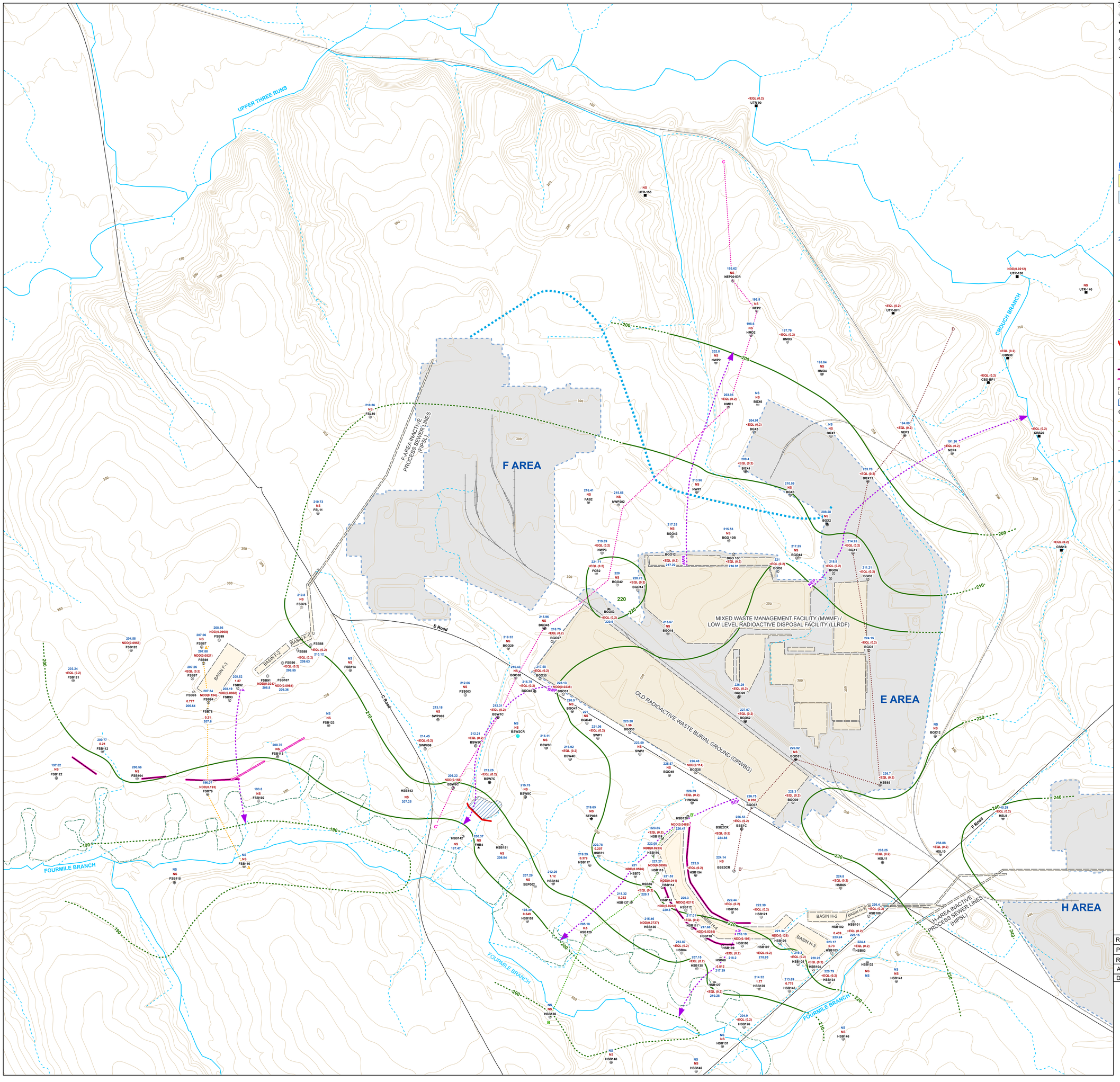
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 03A. GSA Corrective Action Report, Mercury Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP03A

Map 03A. GSA Corrective Action Report, Mercury Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	MERCURY VALUE (3Q25) ug/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 2 - 10 ug/L
- GROUNDWATER PROTECTION STANDARD = 2 ug/L
- >10 ug/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

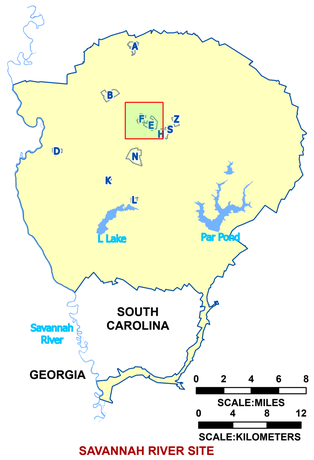
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



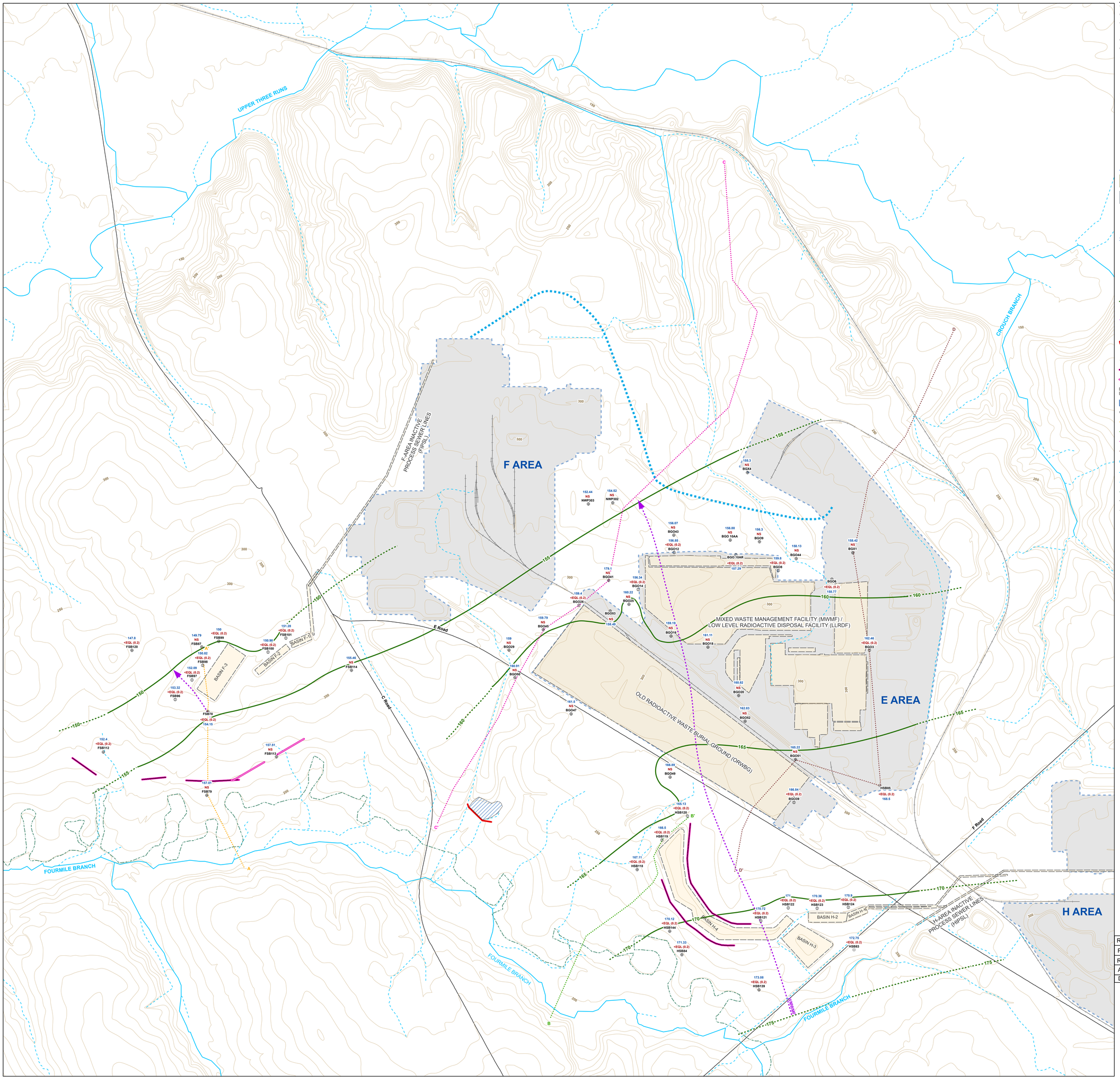
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 03B. GSA Corrective Action Report, Mercury Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP03B

Map 03B. GSA Corrective Action Report, Mercury Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 MERCURY VALUE (3Q25) ug/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

2 - 10 ug/L
GROUNDWATER PROTECTION STANDARD = 2 ug/L
>10 ug/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

POTENTIOMETRIC SURFACE CONTOUR
CONTOUR INTERVAL = 5 FEET
DASHED WHERE INFERRED
GROUNDWATER FLOW PATH

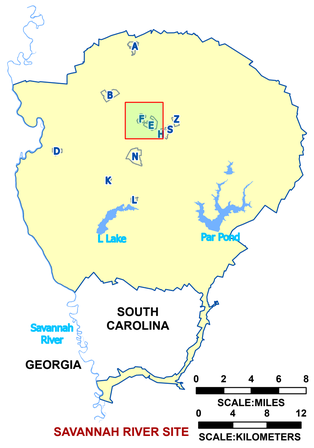
PHYTOREMEDIATION POND
TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
SUBSURFACE BARRIER
SUBSURFACE BARRIER EXTENTION
WASTE UNITS AND SEEPAGE BASINS
FACILITY AREA BOUNDARY

CROSS-SECTION LINES
- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'

WATER TABLE TRANSITION FROM THE UAZ TO LAZ
PERENNIAL STREAM
INTERMITTENT STREAM
SEEPLINE
MAIN / PAVED ROAD
RAILROAD

0 500 1,000 1,500
SCALE:FEET
0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N

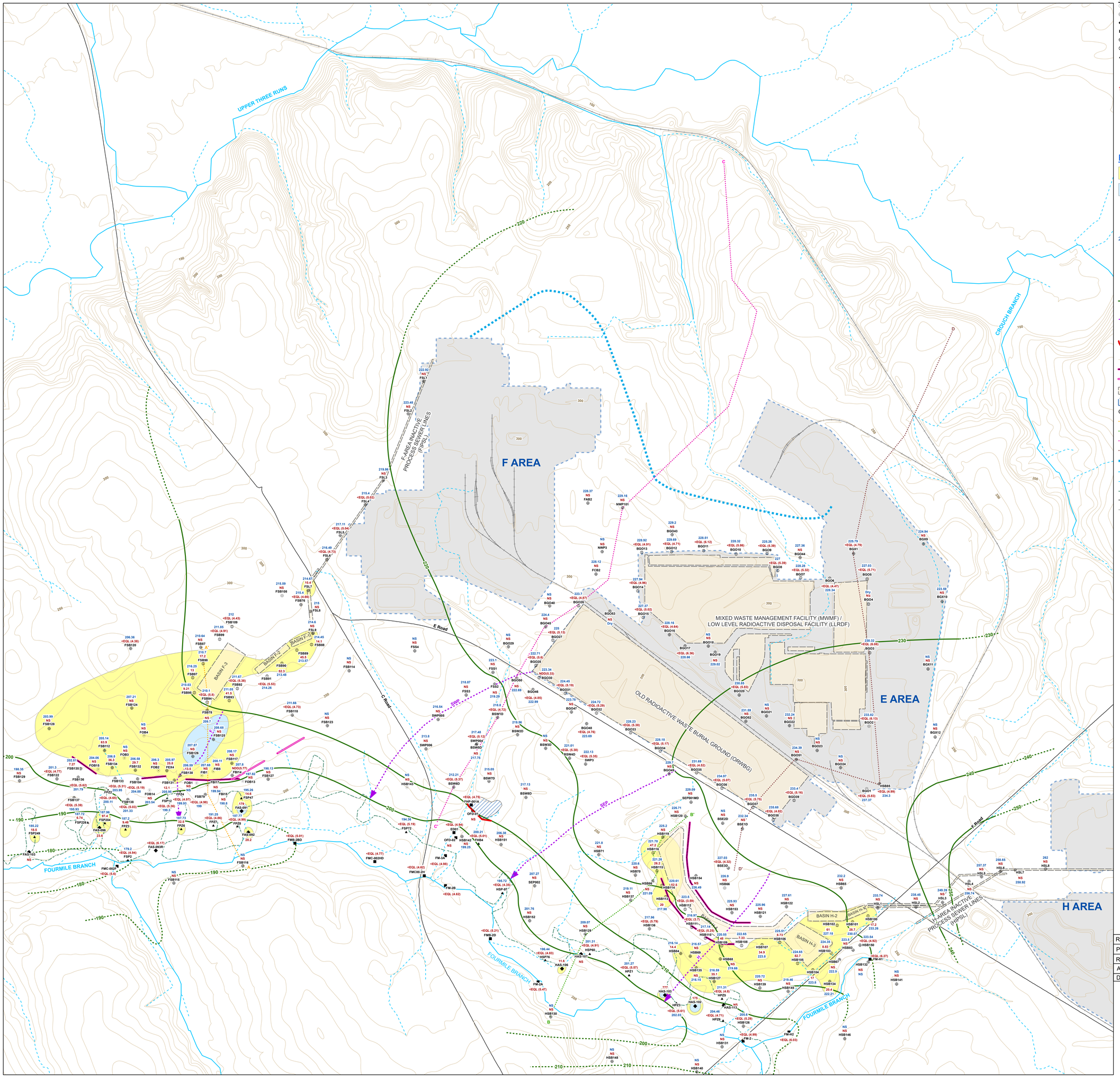


Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 03C.
GSA Corrective Action Report, Mercury Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 03C. GSA Corrective Action Report, Mercury Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP03C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	STRONTIUM-90 VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 8 - 100 pCi/L GROUNDWATER PROTECTION STANDARD = 8 pCi/L
- 100 - 1000 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

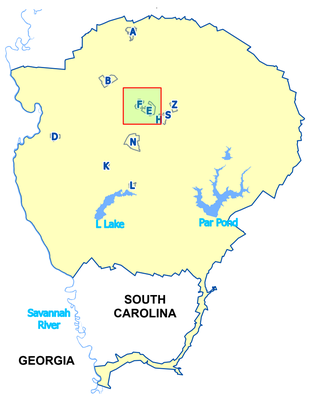
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



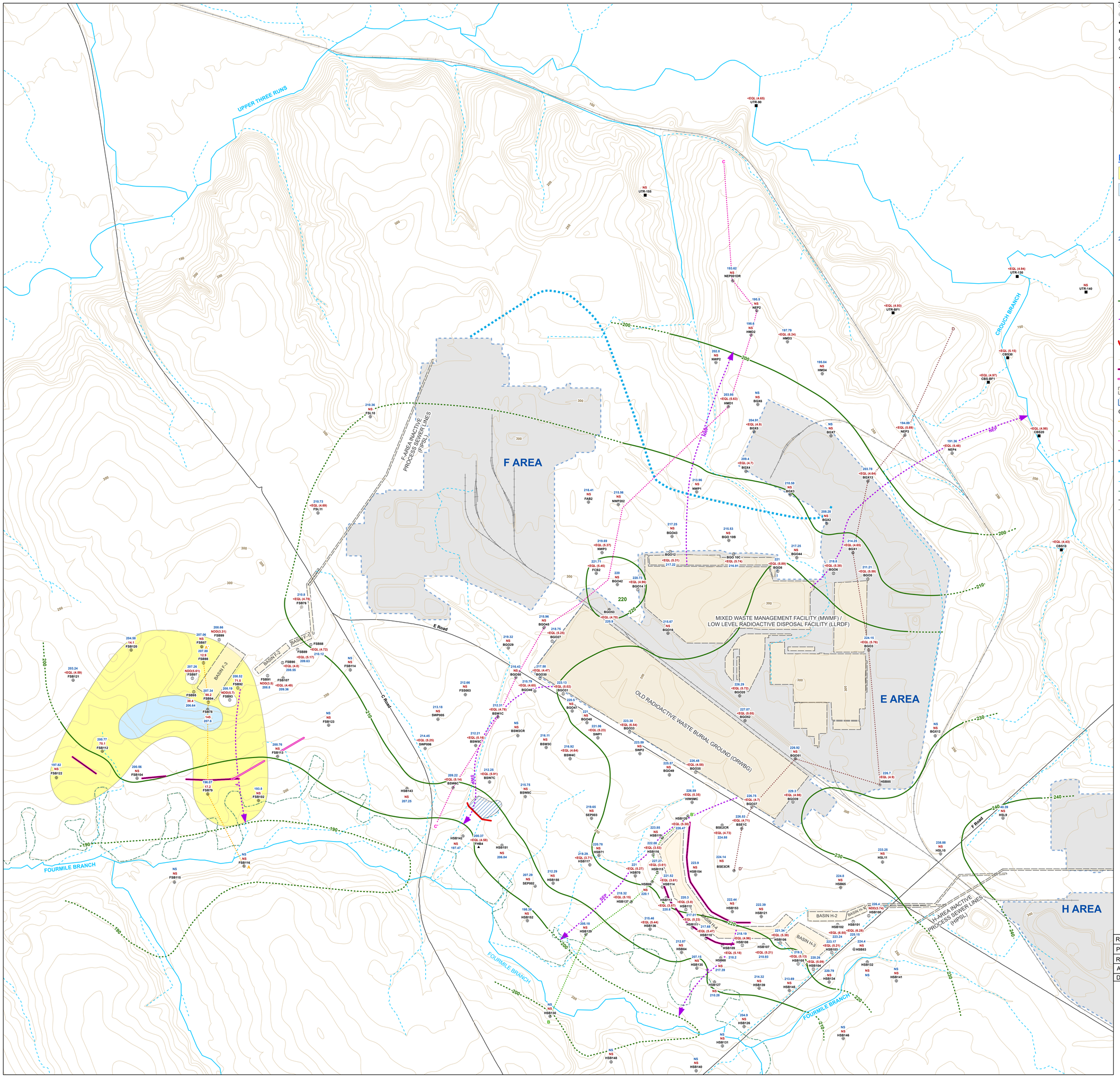
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 04A. GSA Corrective Action Report, Strontium-90 Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP04A

Map 04A. GSA Corrective Action Report, Strontium-90 Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 STRONTIUM-90 VALUE (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

8 - 100 pCi/L
GROUNDWATER PROTECTION STANDARD = 8 pCi/L

100 - 1000 pCi/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

POTENTIOMETRIC SURFACE CONTOUR
CONTOUR INTERVAL = 10 FEET
DASHED WHERE INFERRED

GROUNDWATER FLOW PATH

PHYTOREMEDIATION POND
TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
SUBSURFACE BARRIER
SUBSURFACE BARRIER EXTENTION
WASTE UNITS AND SEEPAGE BASINS
FACILITY AREA BOUNDARY

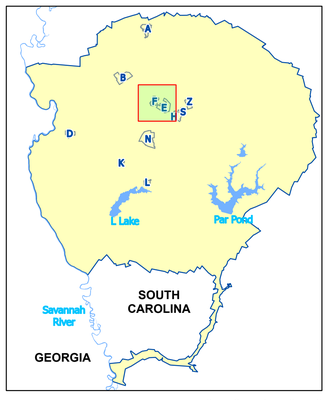
CROSS-SECTION LINES
- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'

WATER TABLE TRANSITION FROM THE UAZ TO LAZ
PERENNIAL STREAM
INTERMITTENT STREAM
SEEPLINE
MAIN / PAVED ROAD
RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

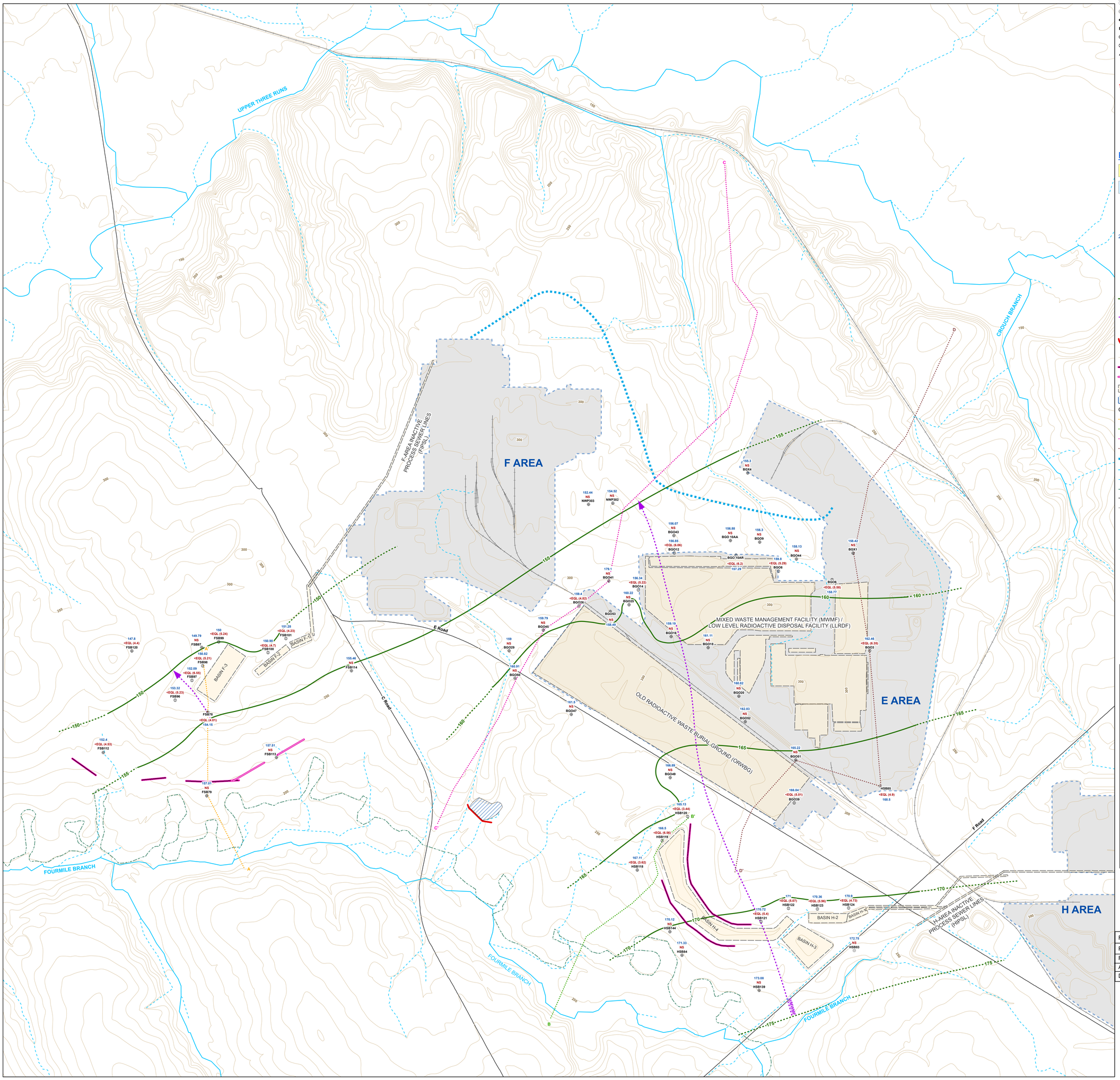
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 04B. GSA Corrective Action Report, Strontium-90 Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP04B

Map 04B. GSA Corrective Action Report, Strontium-90 Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	STRONTIUM-90 VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

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PLUME LEGEND

- 8 - 100 pCi/L GROUNDWATER PROTECTION STANDARD = 8 pCi/L
- 100 - 1000 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 5 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

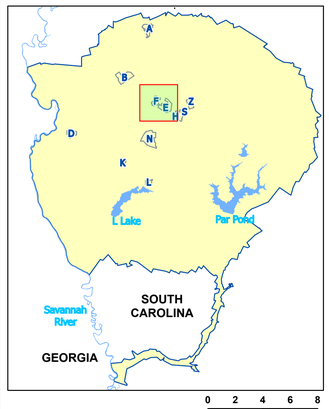
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
3 6 2 2



0 2 4 6 8
SCALE:MILES

0 4 8 12
SCALE:KILOMETERS

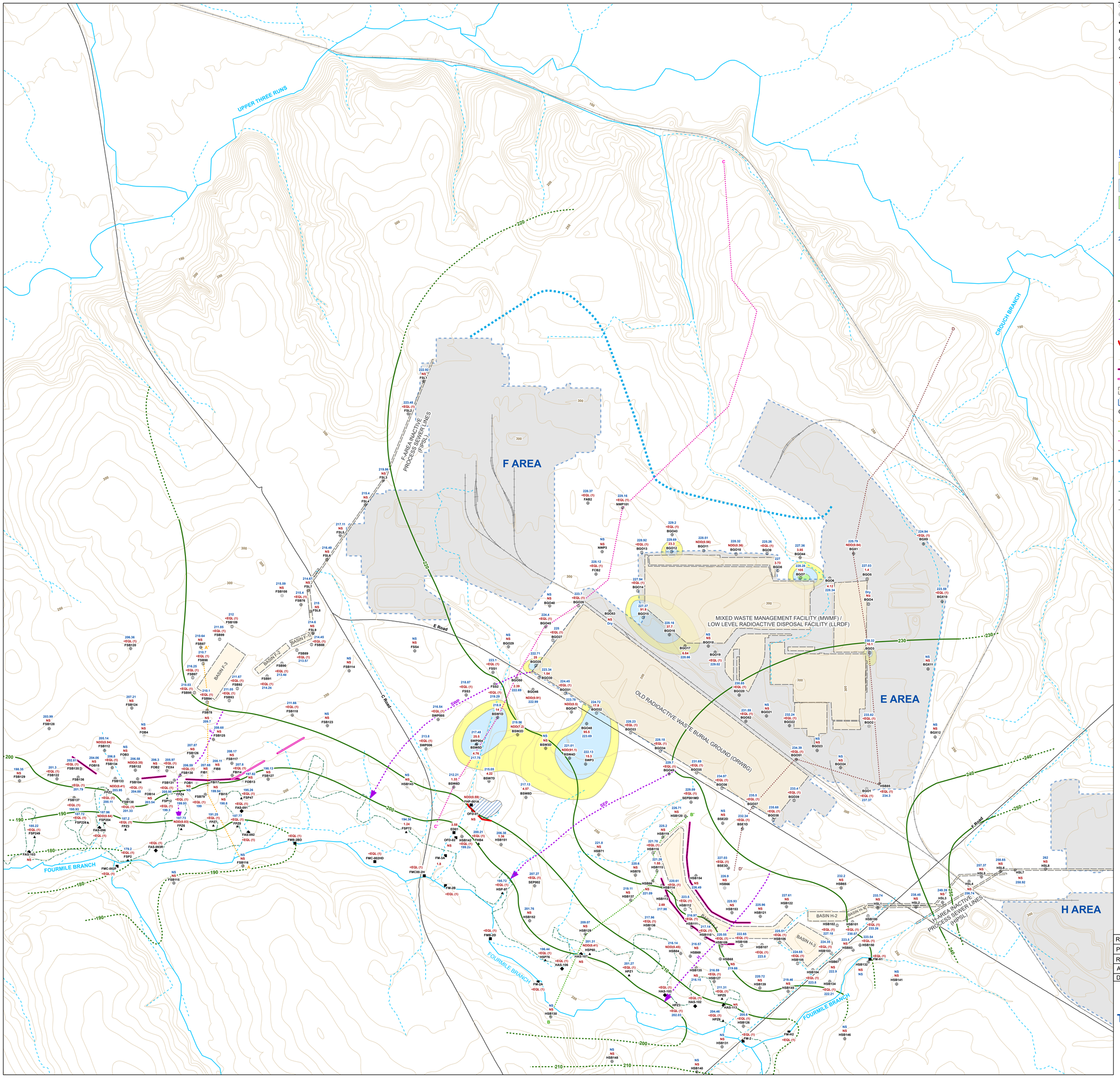
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 04C. GSA Corrective Action Report, Strontium-90 Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 04C. GSA Corrective Action Report, Strontium-90 Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP04C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 TRICHLOROETHYLENE VALUE (3Q25) ug/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 5 - 10 ug/L
- GROUNDWATER PROTECTION STANDARD = 5 ug/L
- 10 - 100 ug/L
- >100 ug/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

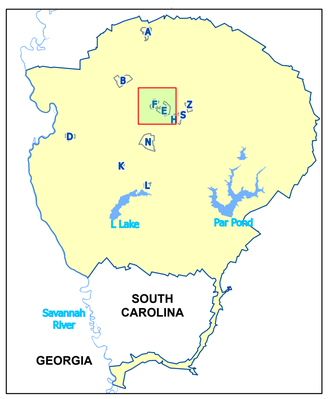
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
1 6 2 2



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

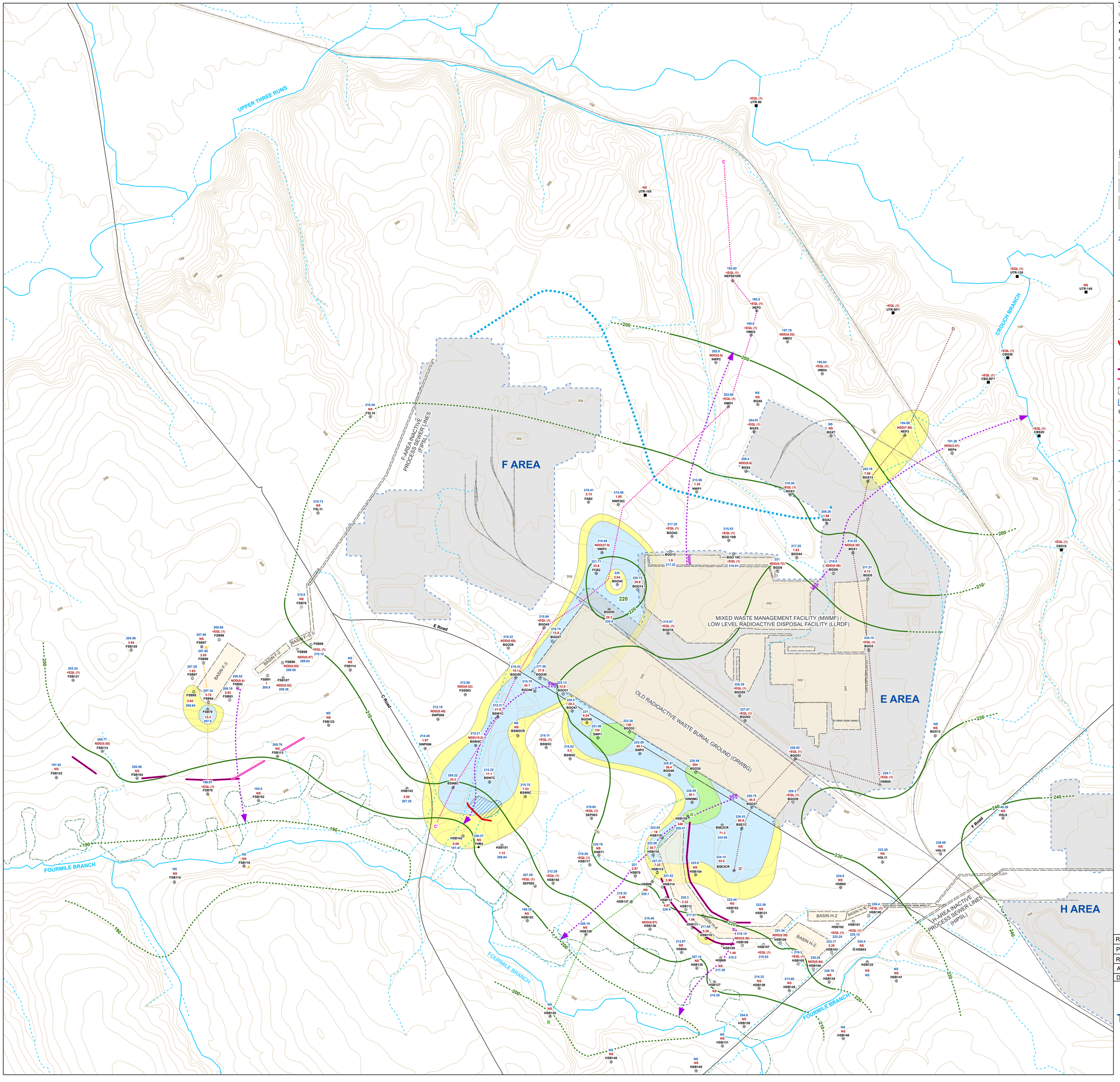
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 05A. GSA Corrective Action Report, Trichloroethylene Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP05A

Map 05A. GSA Corrective Action Report, Trichloroethylene Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 TRICHLOROETHYLENE VALUE (3Q25) ug/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 5 - 10 ug/L
- GROUNDWATER PROTECTION STANDARD = 5 ug/L
- 10 - 100 ug/L
- >100 ug/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

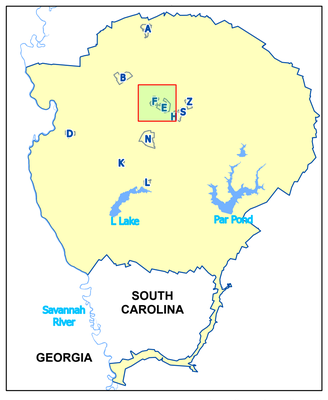
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

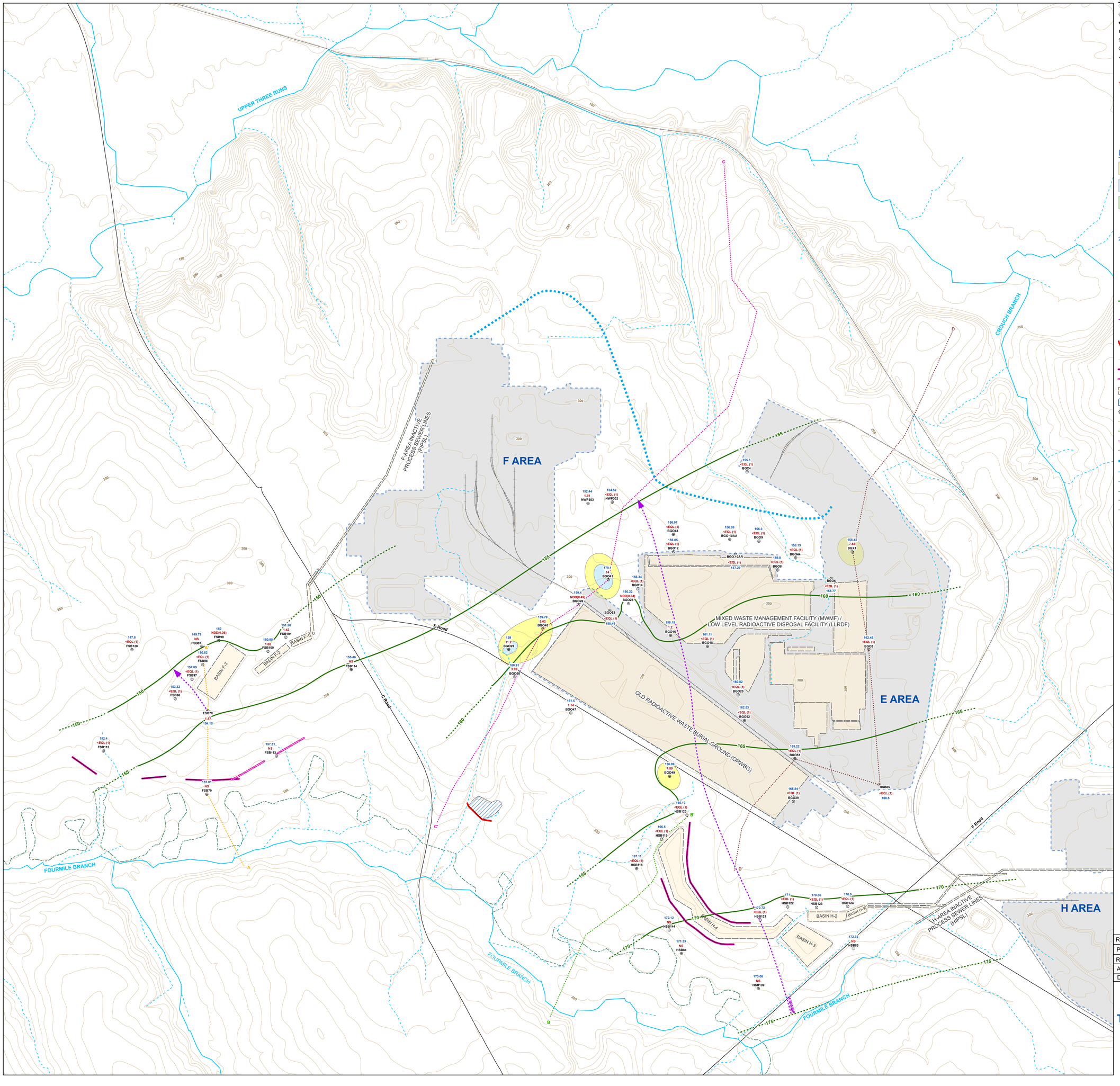
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 05B. GSA Corrective Action Report, Trichloroethylene Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 05B. GSA Corrective Action Report, Trichloroethylene Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP05B



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 TRICHLOROETHYLENE VALUE (3Q25) ug/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 5 - 10 ug/L
- GROUNDWATER PROTECTION STANDARD = 5 ug/L
- 10 - 100 ug/L
- >100 ug/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 5 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

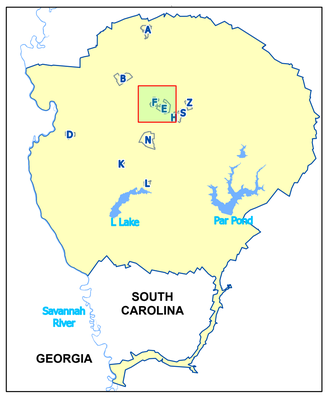
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

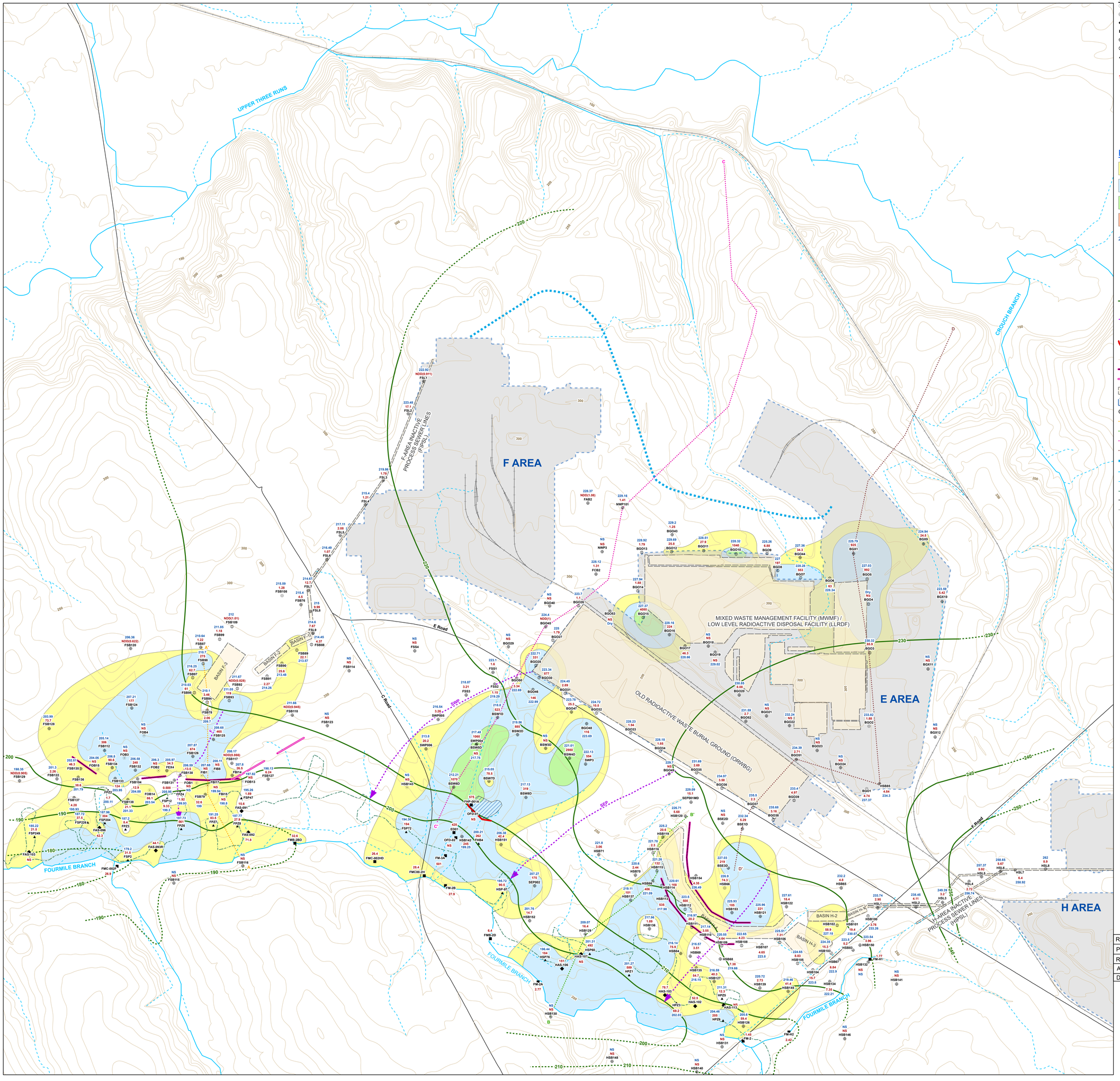
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 05C. GSA Corrective Action Report, Trichloroethylene Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 05C. GSA Corrective Action Report, Trichloroethylene Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP05C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 TRITIUM VALUE (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 20 - 100 pCi/mL
  GROUNDWATER PROTECTION STANDARD = 20 pCi/mL
- 100 - 1000 pCi/mL
- 1000 - 10000 pCi/mL
- >10000 pCi/mL

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR
  CONTOUR INTERVAL = 10 FEET
  DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

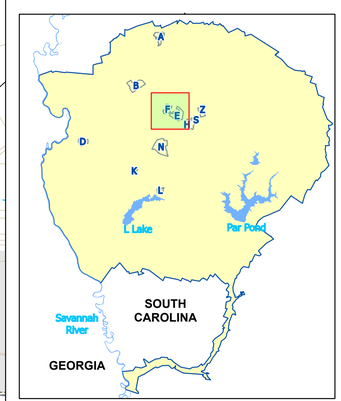
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
1 6 2 2



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

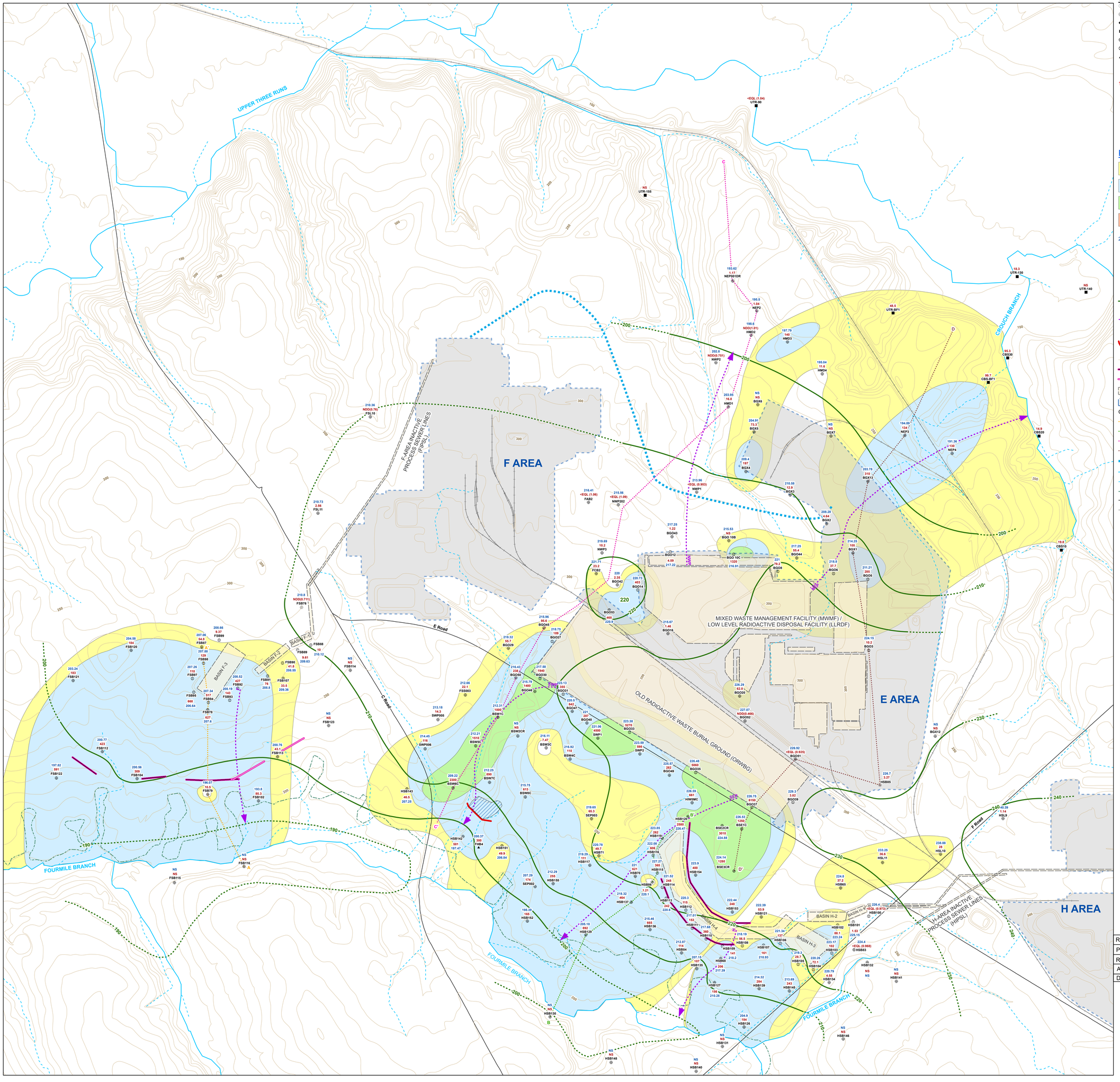
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2025

Map 06A. GSA Corrective Action Report, Tritium Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP06A

Map 06A. GSA Corrective Action Report, Tritium Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 TRITIUM VALUE (3Q25) pCi/mL
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

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PLUME LEGEND

- 20 - 100 pCi/mL
  GROUNDWATER PROTECTION STANDARD = 20 pCi/mL
- 100 - 1000 pCi/mL
- 1000 - 10000 pCi/mL
- >10000 pCi/mL

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

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  CONTOUR INTERVAL = 10 FEET
  DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

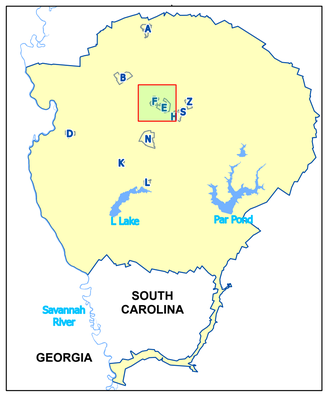
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

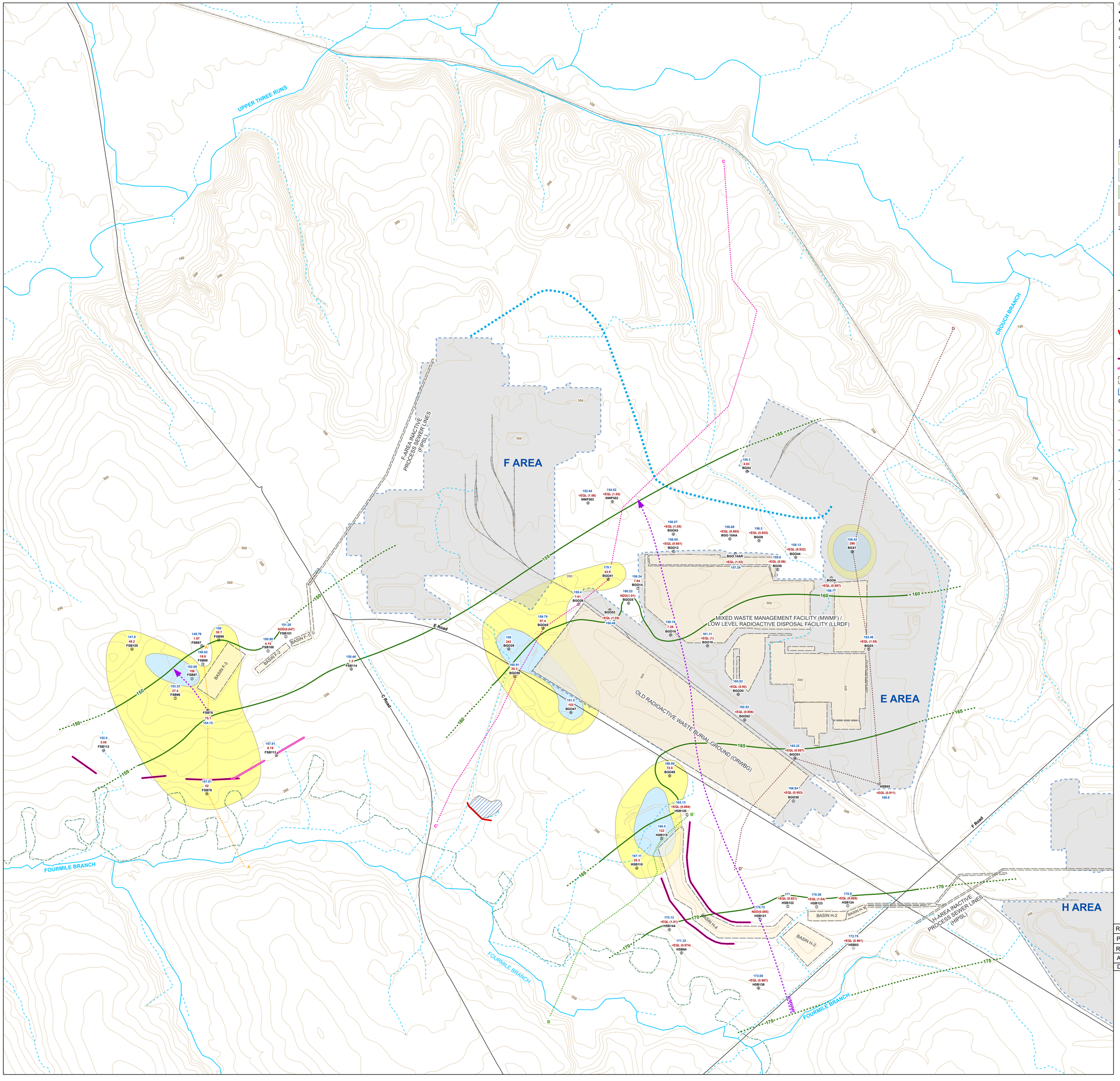
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 06B.
GSA Corrective Action Report, Tritium Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 06B. GSA Corrective Action Report, Tritium Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP06B



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 TRITIUM VALUE (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

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PLUME LEGEND

- 20 - 100 pCi/mL GROUNDWATER PROTECTION STANDARD = 20 pCi/mL
- 100 - 1000 pCi/mL
- 1000 - 10000 pCi/mL
- >10000 pCi/mL

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

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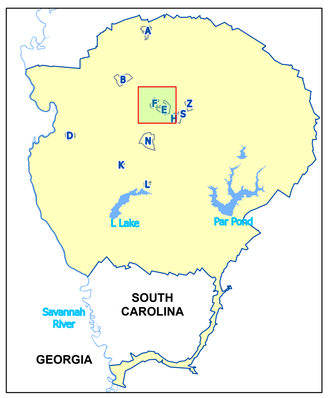
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

CROSS-SECTION LINES
- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
2° 6' 22"



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

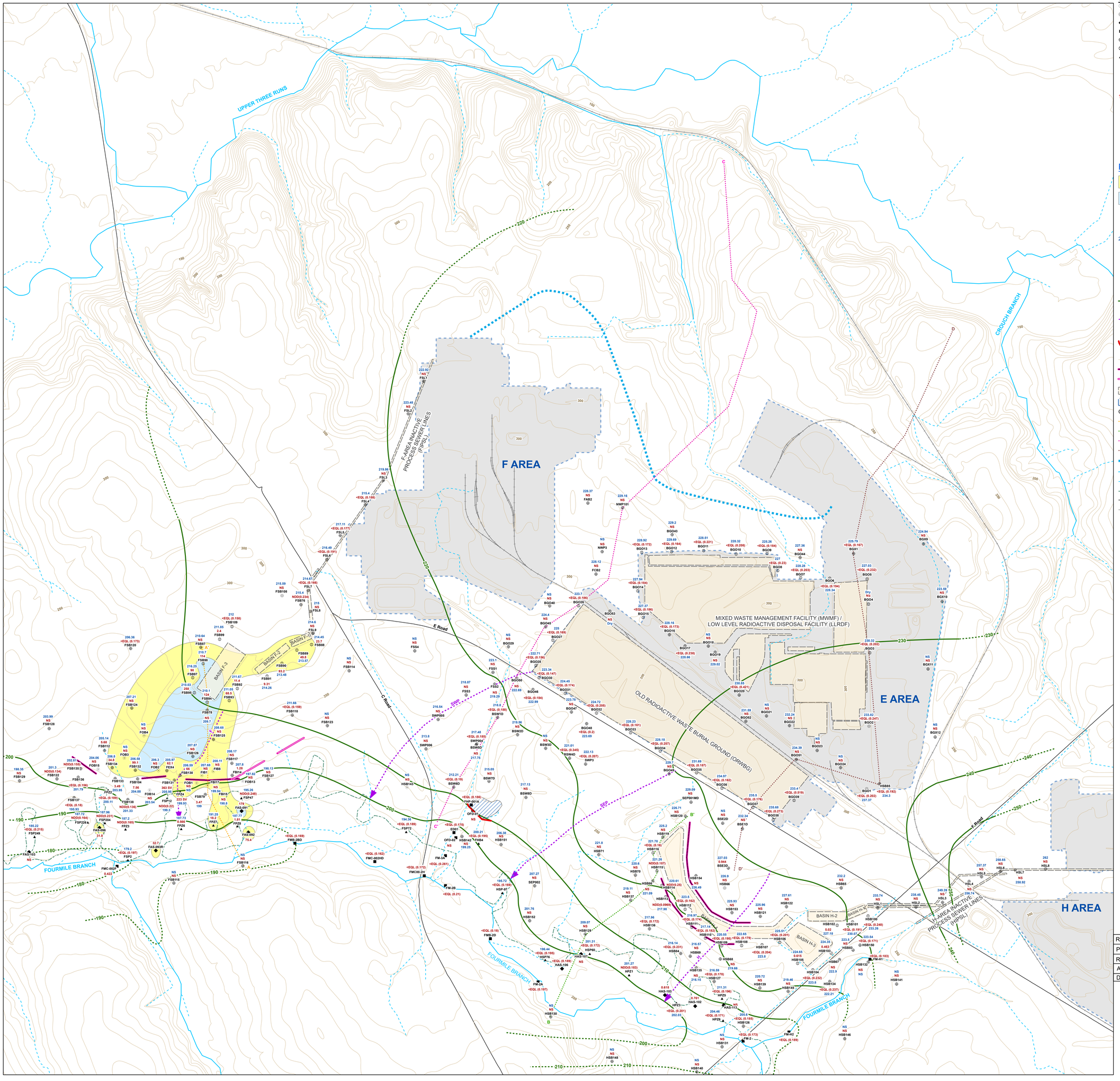
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 06C. GSA Corrective Action Report, Tritium Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 06C. GSA Corrective Action Report, Tritium Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP06C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	URANIUM-238 VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 15 - 100 pCi/L
- GROUNDWATER PROTECTION STANDARD = 15 pCi/L
  >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

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  CONTOUR INTERVAL = 10 FEET
  DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

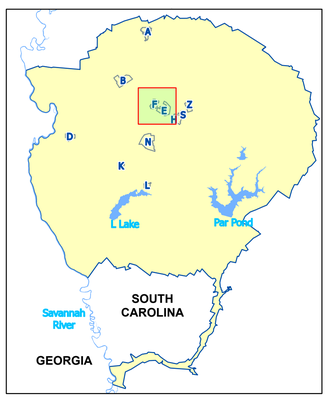
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

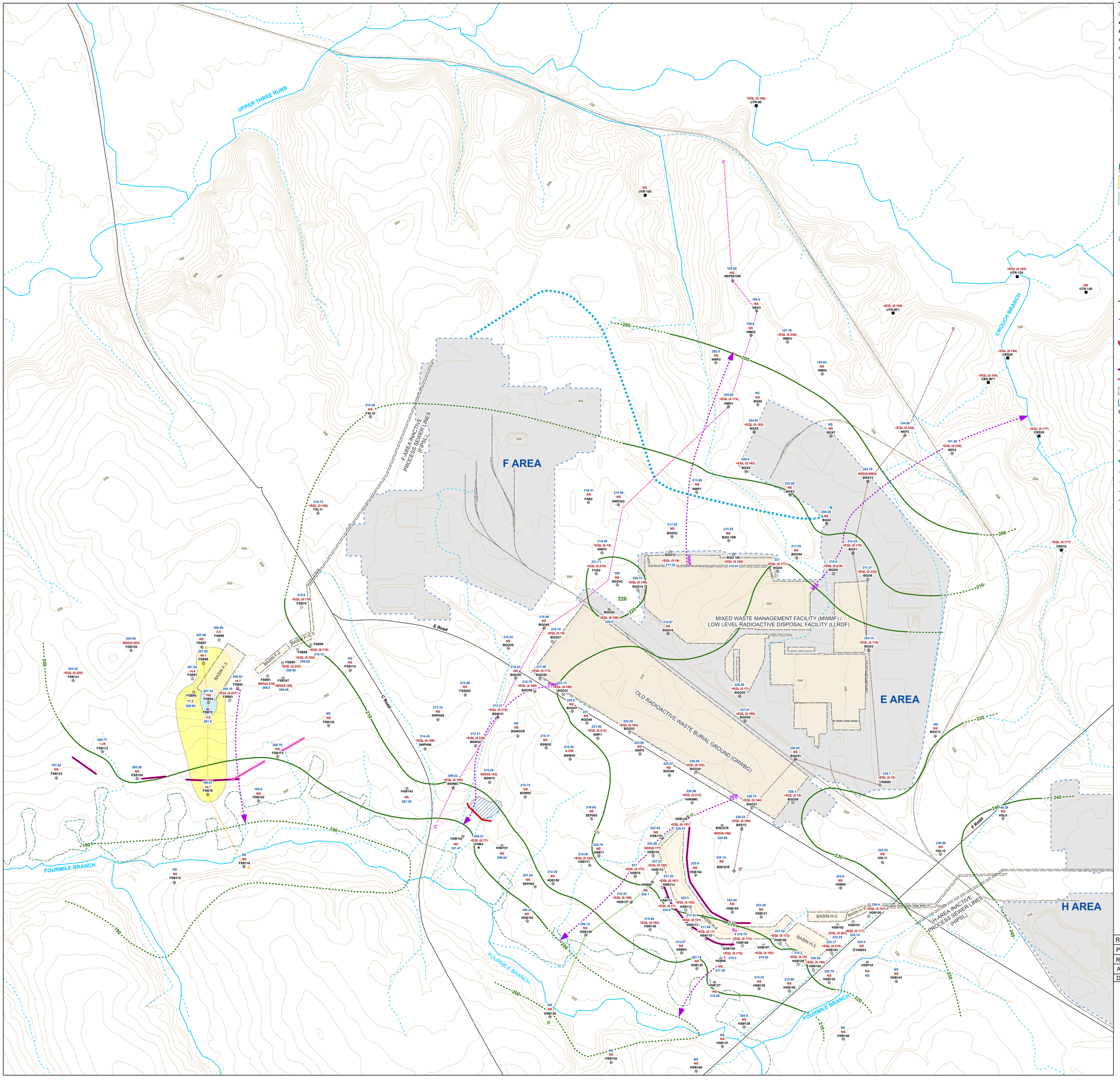
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 07A. GSA Corrective Action Report, Uranium-238 Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP07A

Map 07A. GSA Corrective Action Report, Uranium-238 Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	URANIUM-238 VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 15 - 100 pCi/L
- GROUNDWATER PROTECTION STANDARD = 15 pCi/L
- >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

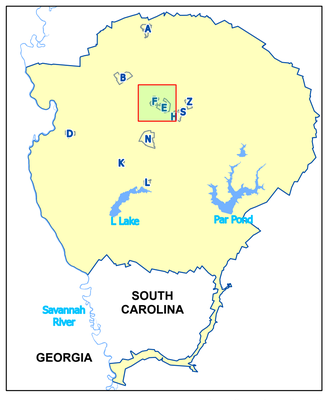
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

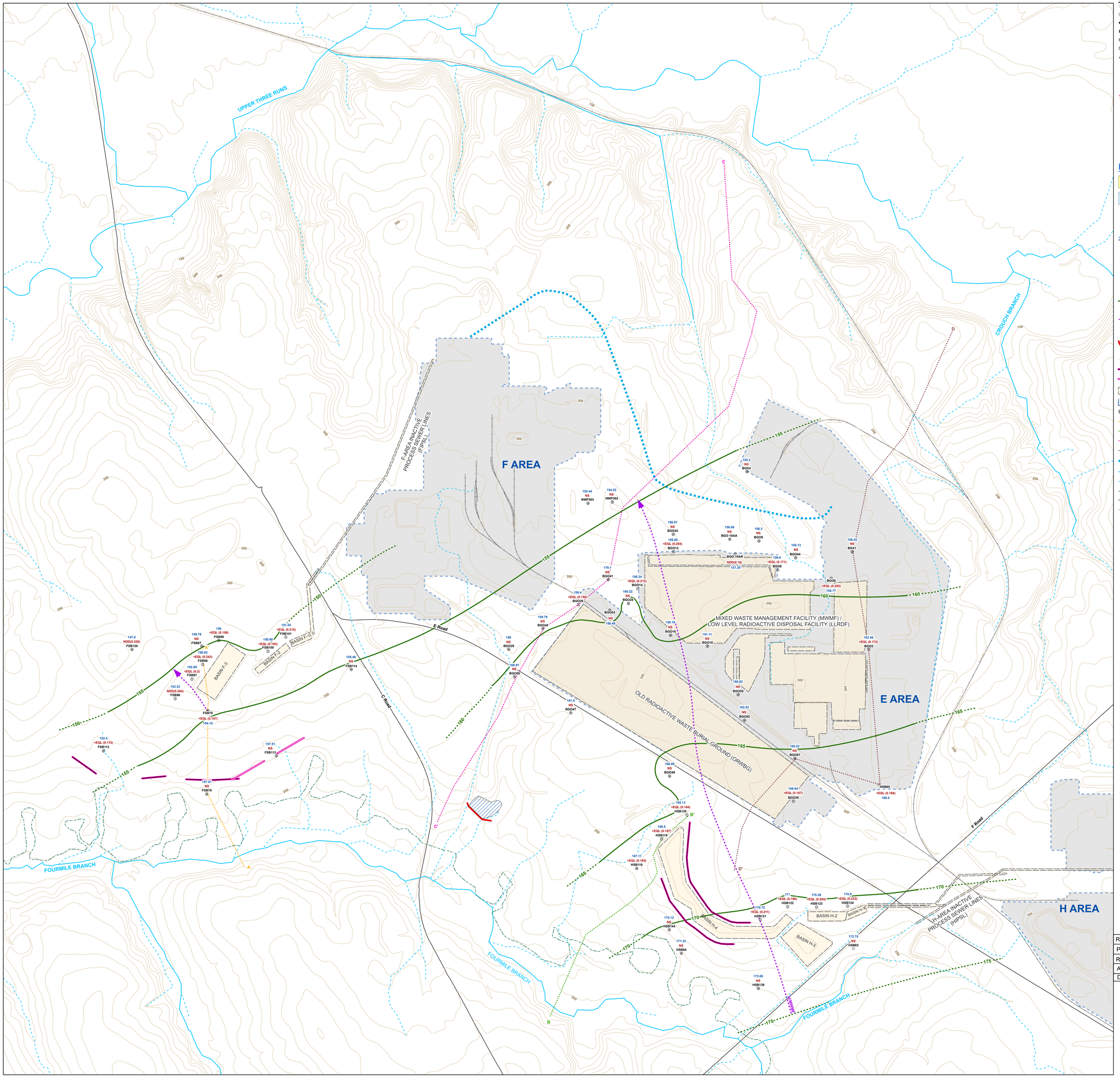
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 07B.
GSA Corrective Action Report, Uranium-238 Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 07B. GSA Corrective Action Report, Uranium-238 Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP07B



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	URANIUM-238 VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 15 - 100 pCi/L
- GROUNDWATER PROTECTION STANDARD = 15 pCi/L
- >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

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- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

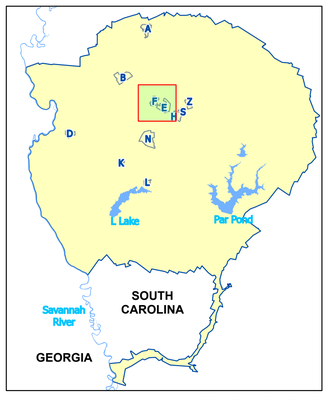
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

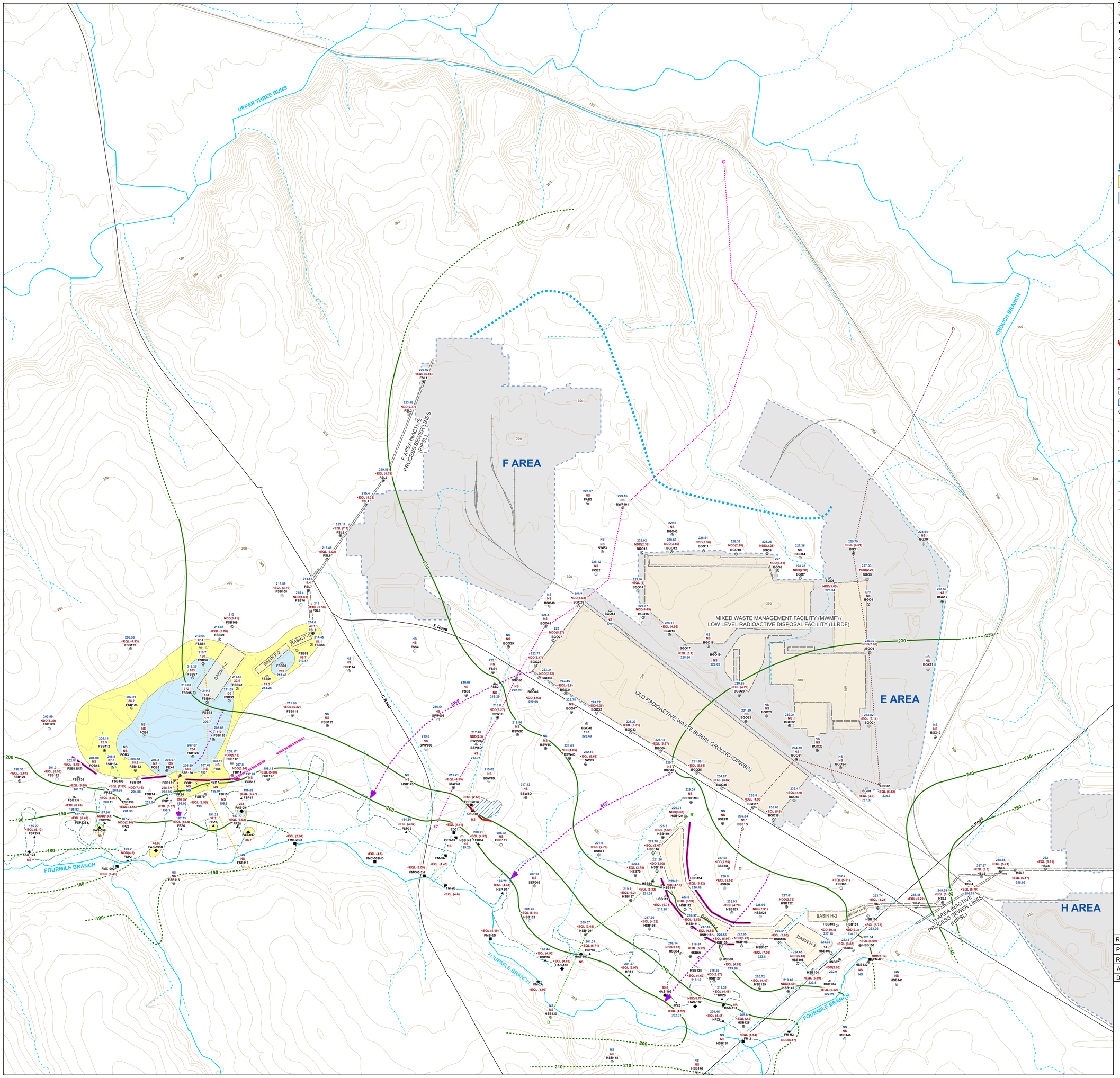
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 07C. GSA Corrective Action Report, Uranium-238 Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 07C. GSA Corrective Action Report, Uranium-238 Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP07C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	GROSS ALPHA VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

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PLUME LEGEND

- 15 - 100 pCi/L
- GROUNDWATER PROTECTION STANDARD = 15 pCi/L
- >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

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- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

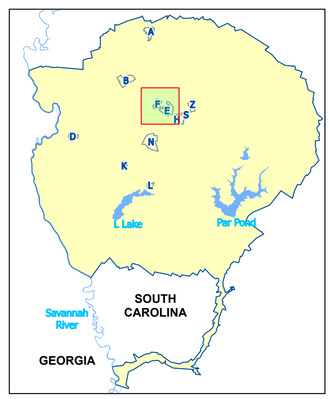
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

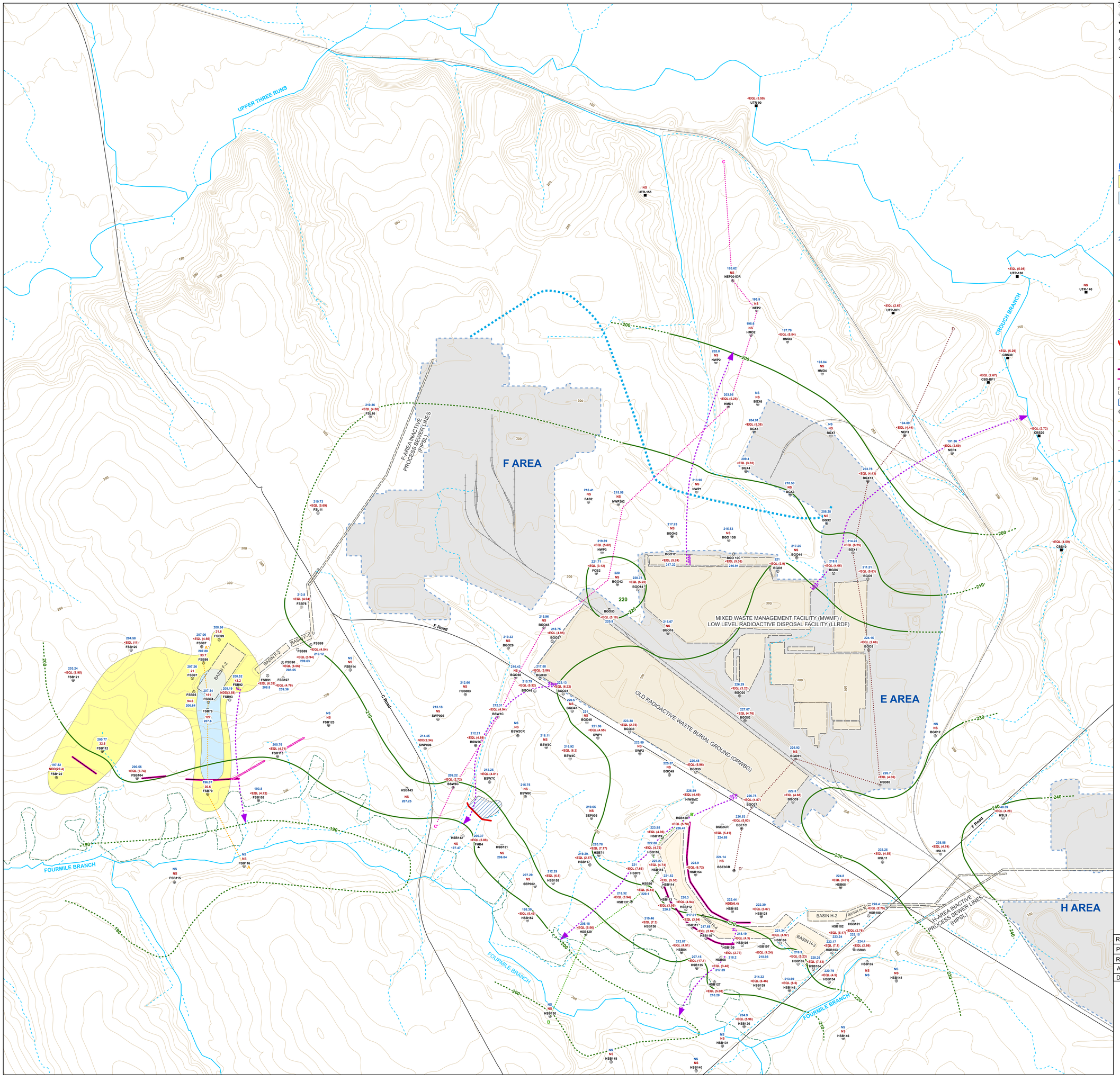
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880
Prepared By: Kevin Boerstler
Reviewed By: Bryce Garner
Approved By: Jeffrey Thibault
Date: August 31, 2026

Map 08A. GSA Corrective Action Report, Gross Alpha Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP08A

Map 08A. GSA Corrective Action Report, Gross Alpha Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	GROSS ALPHA VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 15 - 100 pCi/L
- GROUNDWATER PROTECTION STANDARD = 15 pCi/L
- >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

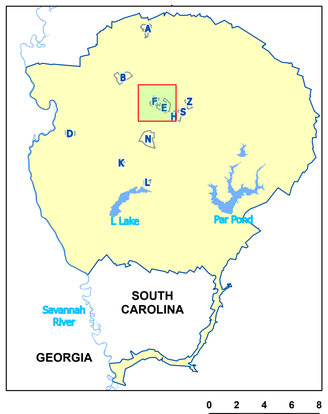
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

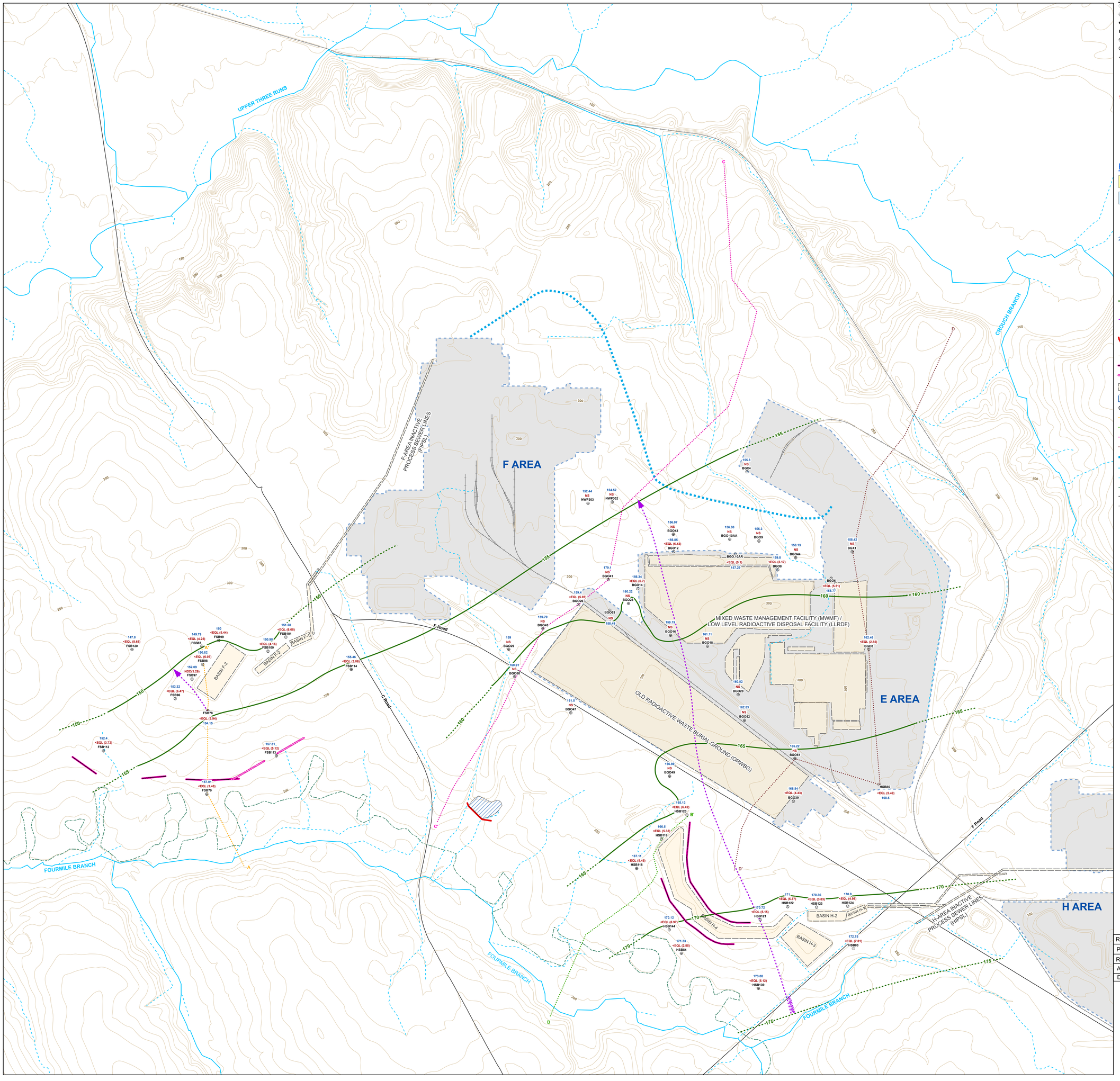
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 08B. GSA Corrective Action Report, Gross Alpha Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP08B

Map 08B. GSA Corrective Action Report, Gross Alpha Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5	GROSS ALPHA VALUE (3Q25) pCi/L
EQL	ESTIMATED QUANTITATION LIMIT
NDD	NOT DECISION DATA
REJ	REJECTED VALUE
DRY	WELL DRY
NS	NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 15 - 100 pCi/L
- GROUNDWATER PROTECTION STANDARD = 15 pCi/L
- >100 pCi/L

200.5	POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL	ESTIMATED QUANTITATION LIMIT
NS	NOT SAMPLED
SV	SUSPECT VALUES
DRY	WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 5 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

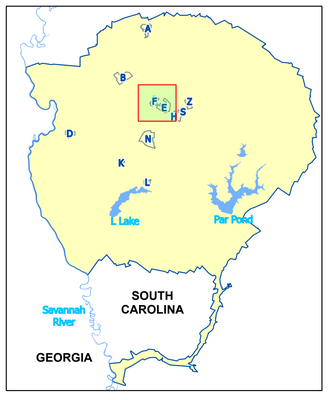
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

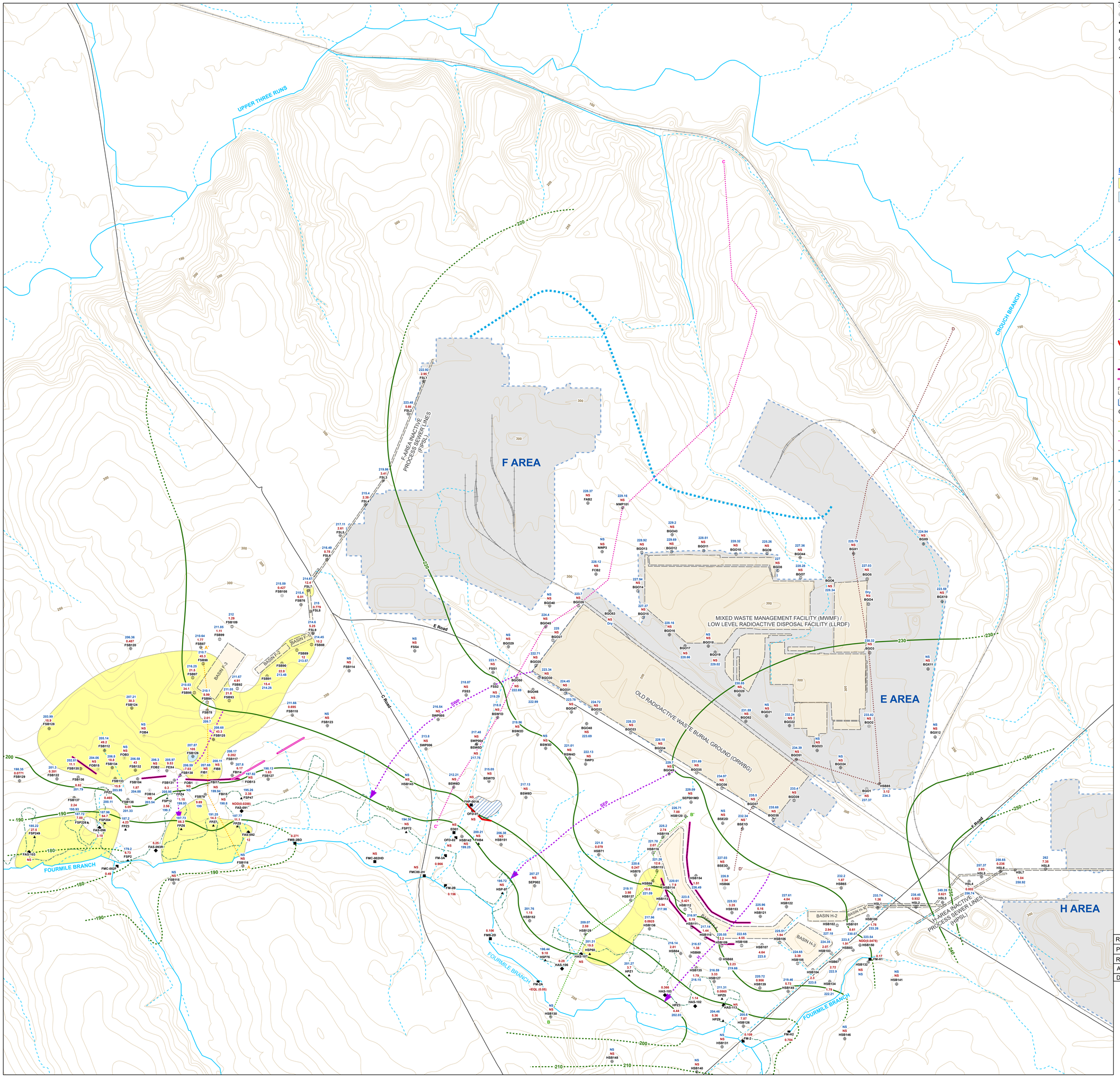
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 08C. GSA Corrective Action Report, Gross Alpha Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 08C. GSA Corrective Action Report, Gross Alpha Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP08C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 NITRATE-NITRITE (3Q25) mg/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 10 - 100 mg/L
- GROUNDWATER PROTECTION STANDARD = 10 mg/L
- >100 mg/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

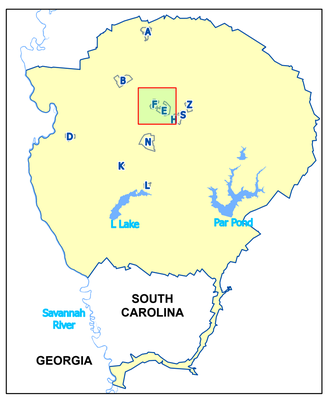
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
1 6 2 2



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

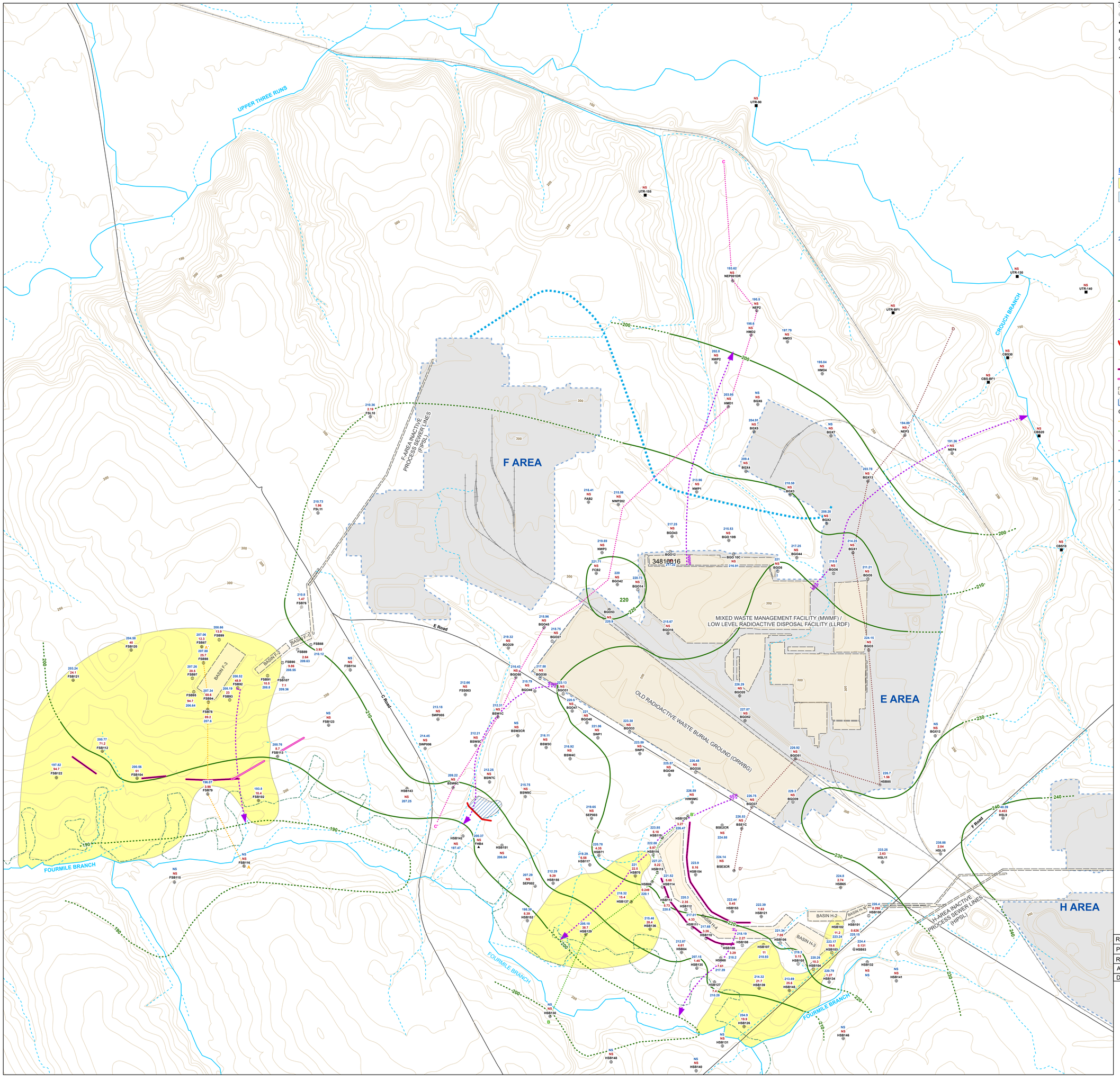
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 09A. GSA Corrective Action Report, Nitrate-Nitrite Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 09A. GSA Corrective Action Report, Nitrate-Nitrite Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP09A



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 NITRATE-NITRITE (3Q25) mg/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 10 - 100 mg/L
- GROUNDWATER PROTECTION STANDARD = 10 mg/L
- >100 mg/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH

- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

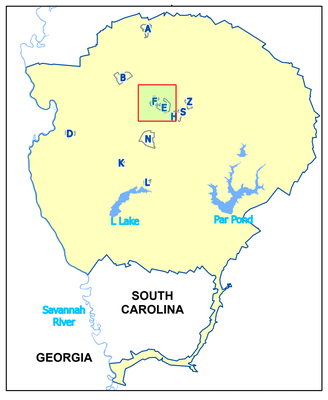
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

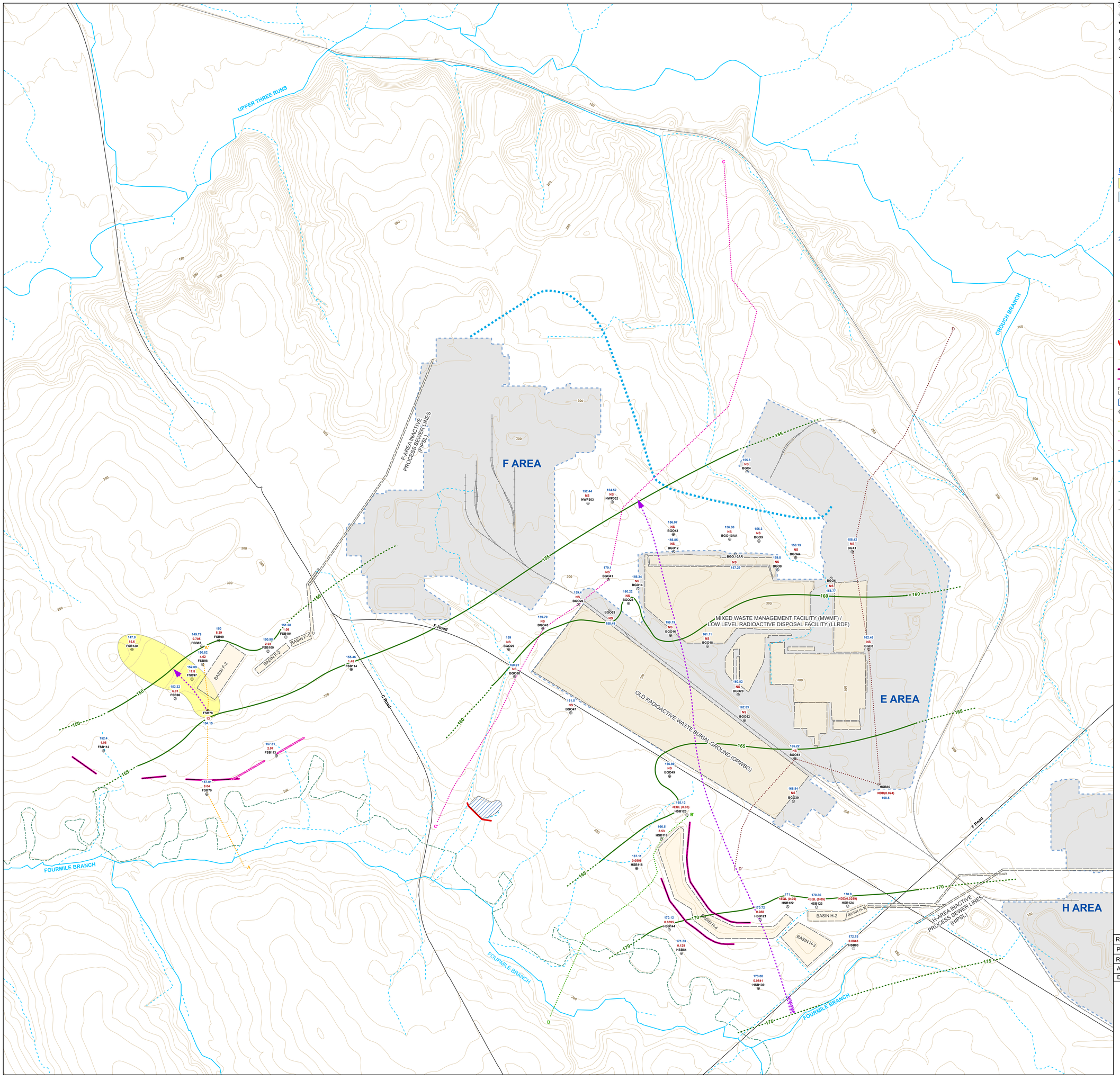
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 09B. GSA Corrective Action Report, Nitrate-Nitrite Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

Map 09B. GSA Corrective Action Report, Nitrate-Nitrite Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP09B



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 NITRATE-NITRITE (3Q25) mg/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

10 - 100 mg/L
GROUNDWATER PROTECTION STANDARD = 10 mg/L
>100 mg/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

POTENTIOMETRIC SURFACE CONTOUR
CONTOUR INTERVAL = 5 FEET
DASHED WHERE INFERRED
GROUNDWATER FLOW PATH

PHYTOREMEDIATION POND
TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
SUBSURFACE BARRIER
SUBSURFACE BARRIER EXTENTION
WASTE UNITS AND SEEPAGE BASINS
FACILITY AREA BOUNDARY

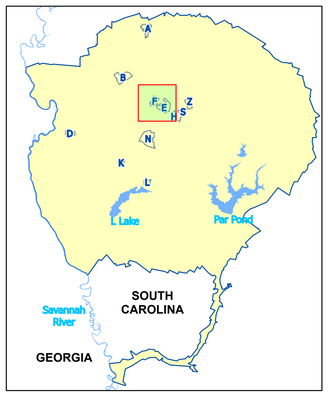
CROSS-SECTION LINES
- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'

WATER TABLE TRANSITION FROM THE UAZ TO LAZ
PERENNIAL STREAM
INTERMITTENT STREAM
SEEPLINE
MAIN / PAVED ROAD
RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

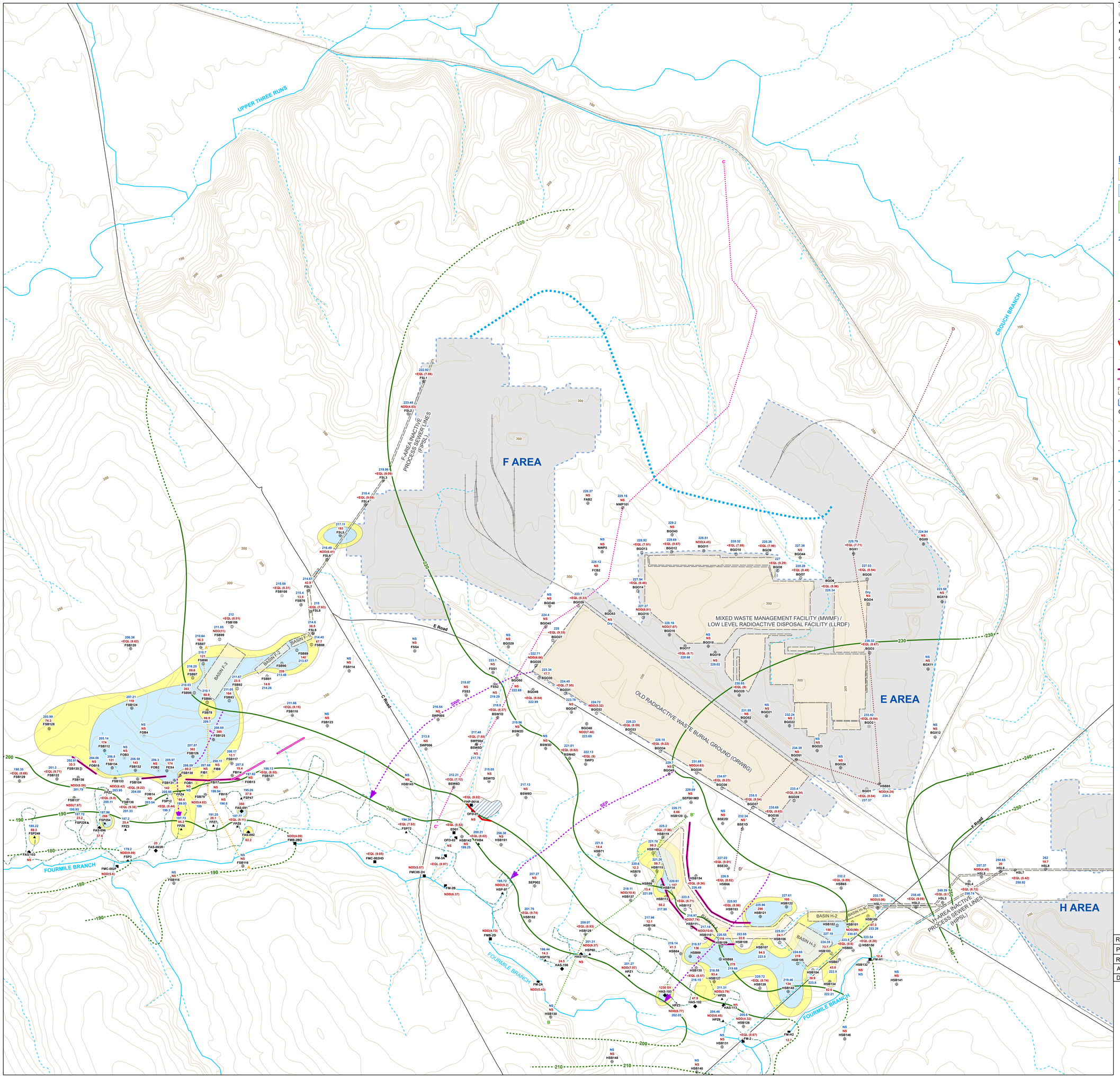
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 09C.
GSA Corrective Action Report, Nitrate-Nitrite Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 09C. GSA Corrective Action Report, Nitrate-Nitrite Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

MAP09C



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 NONVOLATILE BETA (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 50 - 100 pCi/L (GROUNDWATER PROTECTION STANDARD = 50 pCi/L)
- 100 - 1000 pCi/L
- >1000 pCi/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

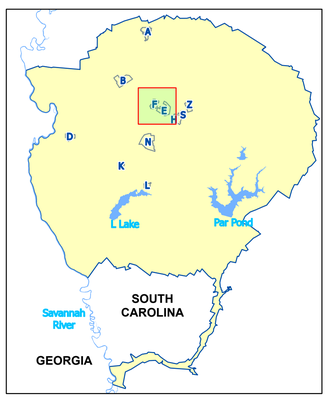
- POTENTIOMETRIC SURFACE CONTOUR — CONTOUR INTERVAL = 10 FEET — DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

CROSS-SECTION LINES
- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N
1 6 2 2



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

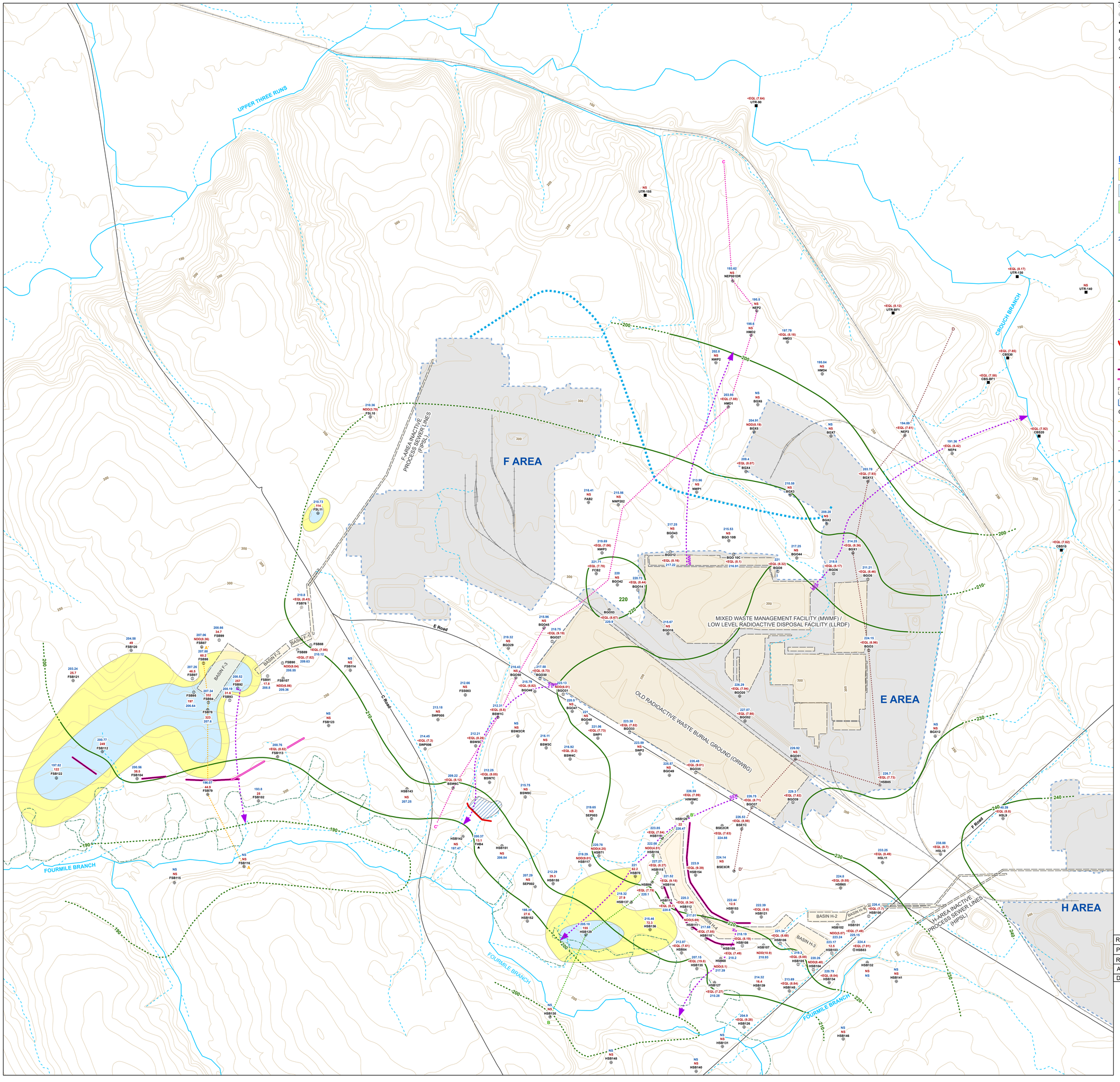
SAVANNAH RIVER SITE

Report Number:	SRNS-RP-2026-00880
Prepared By:	Kevin Boerstler
Reviewed By:	Bryce Garner
Approved By:	Jeffrey Thibault
Date:	August 31, 2026

Map 10A. GSA Corrective Action Report, Nonvolatile Beta Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP10A

Map 10A. GSA Corrective Action Report, Nonvolatile Beta Concentrations, and Potentiometric Surface in the Upper Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 NONVOLATILE BETA (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 50 - 100 pCi/L GROUNDWATER PROTECTION STANDARD = 50 pCi/L
- 100 - 1000 pCi/L
- >1000 pCi/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 10 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

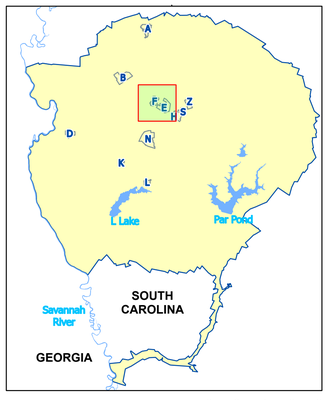
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

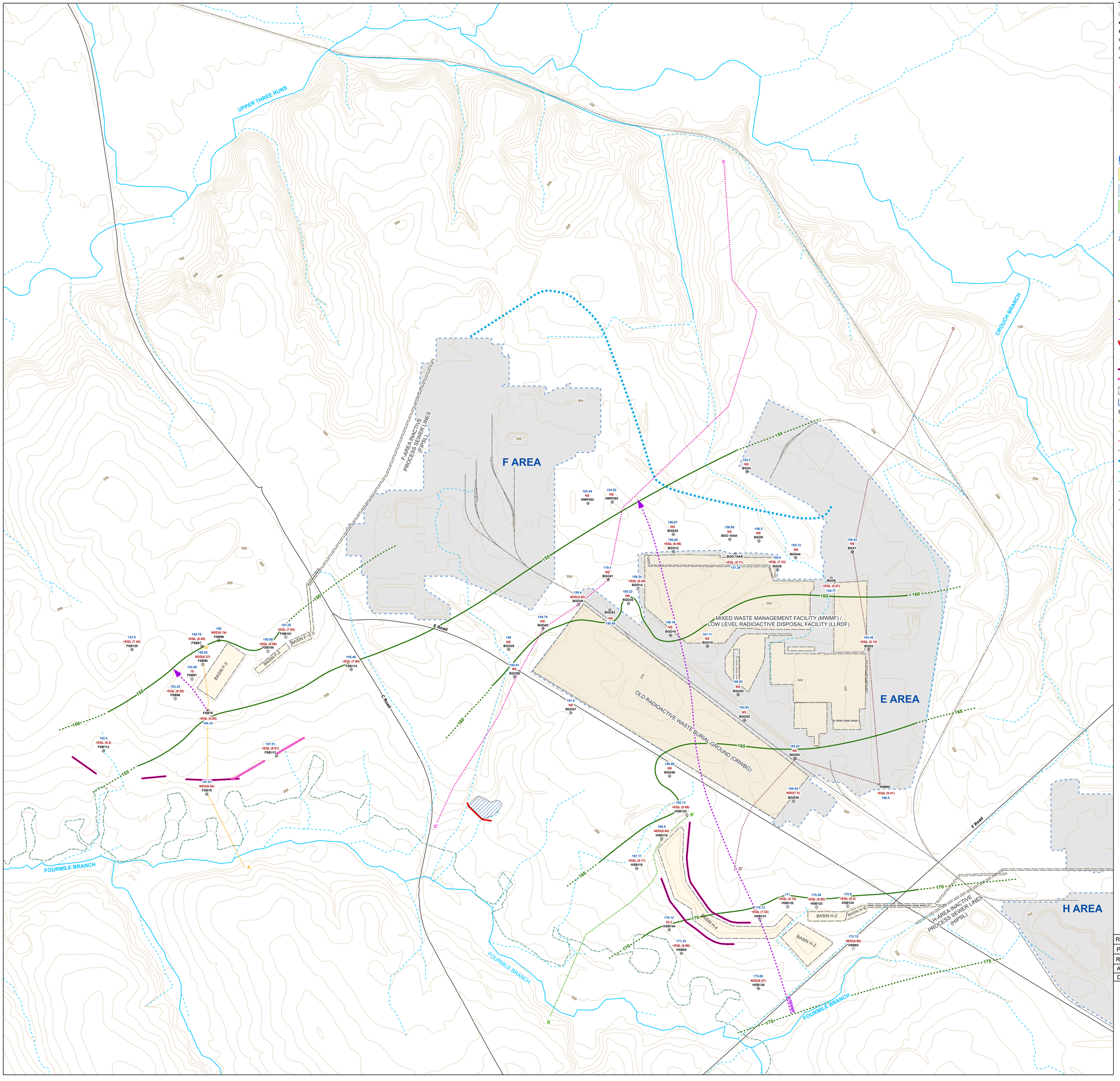
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 10B. GSA Corrective Action Report, Nonvolatile Beta Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025

MAP10B

Map 10B. GSA Corrective Action Report, Nonvolatile Beta Concentrations, and Potentiometric Surface in the Lower Aquifer Zone of the Upper Three Runs Aquifer at the GSA, Third Quarter 2025



WELL USE

- AUXILIARY / AUXILIARY OBSERVATION
- BACKGROUND WELL
- SEEPLINE SURFACE WATER LOCATION
- SURFACE WATER LOCATION
- PLUME ASSESSMENT WELL
- POINT OF COMPLIANCE WELL
- WETLAND PIEZOMETER

100.5 NONVOLATILE BETA (3Q25) pCi/L
EQL ESTIMATED QUANTITATION LIMIT
NDD NOT DECISION DATA
REJ REJECTED VALUE
DRY WELL DRY
NS NOT SAMPLED

SUSPECT VALUES ARE NOT IDENTIFIED ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

PLUME LEGEND

- 50 - 100 pCi/L GROUNDWATER PROTECTION STANDARD = 50 pCi/L
- 100 - 1000 pCi/L
- >1000 pCi/L

200.5 POTENTIOMETRIC SURFACE ELEVATION (3Q25) MSL
EQL ESTIMATED QUANTITATION LIMIT
NS NOT SAMPLED
SV SUSPECT VALUES
DRY WELL DRY

SUSPECT VALUES ARE IDENTIFIED AS SV ON THIS FIGURE AND ARE NOT CONSIDERED IN THE CONTOURING. THESE SUSPECT VALUES ARE IDENTIFIED IN THE DATA TABLES OF APPENDIX B.

- POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL = 5 FEET DASHED WHERE INFERRED
- GROUNDWATER FLOW PATH
- PHYTOREMEDIATION POND
- TOPOGRAPHIC CONTOURS (10 FT INTERVALS - FT MSL)
- SUBSURFACE BARRIER
- SUBSURFACE BARRIER EXTENTION
- WASTE UNITS AND SEEPAGE BASINS
- FACILITY AREA BOUNDARY

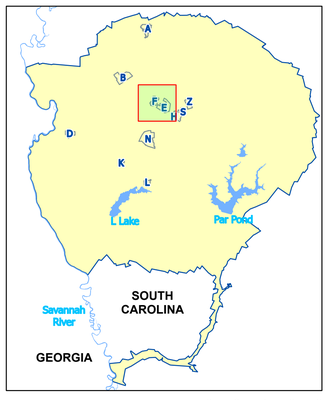
CROSS-SECTION LINES

- CROSS-SECTION A - A'
- CROSS-SECTION B - B'
- CROSS-SECTION C - C'
- CROSS-SECTION D - D'
- WATER TABLE TRANSITION FROM THE UAZ TO LAZ
- PERENNIAL STREAM
- INTERMITTENT STREAM
- SEEPLINE
- MAIN / PAVED ROAD
- RAILROAD

0 500 1,000 1,500
SCALE:FEET

0 250 500
SCALE:METERS

PLANT NORTH
TRUE NORTH
N



0 2 4 6 8
SCALE:MILES
0 4 8 12
SCALE:KILOMETERS

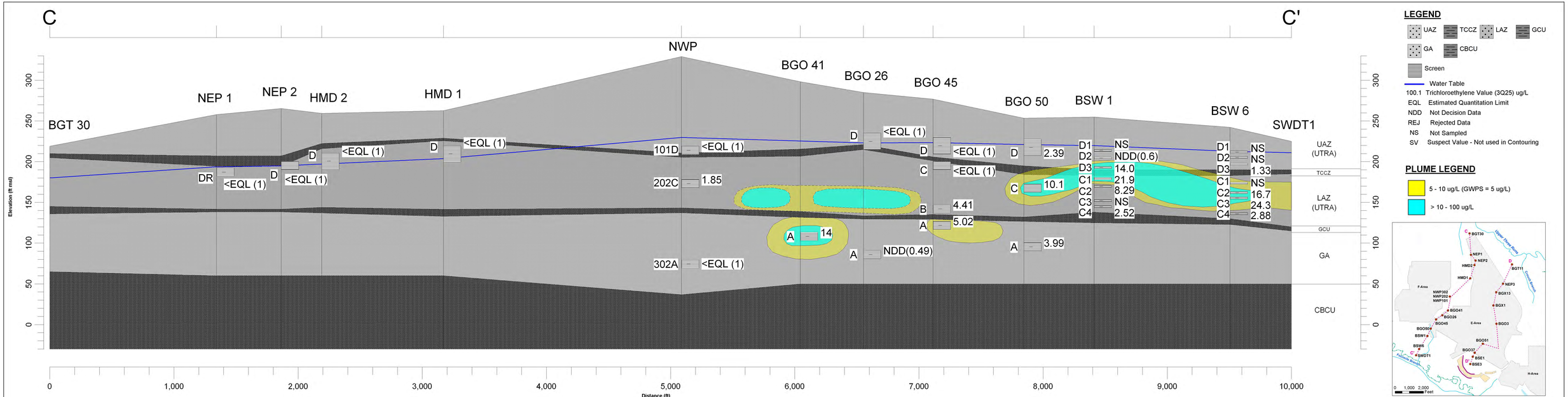
SAVANNAH RIVER SITE

Report Number: SRNS-RP-2026-00880	
Prepared By: Kevin Boerstler	
Reviewed By: Bryce Garner	
Approved By: Jeffrey Thibault	
Date: August 31, 2026	

Map 10C. GSA Corrective Action Report, Nonvolatile Beta Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

Map 10C. GSA Corrective Action Report, Nonvolatile Beta Concentrations, and Potentiometric Surface in the Gordon Aquifer at the GSA, Third Quarter 2025

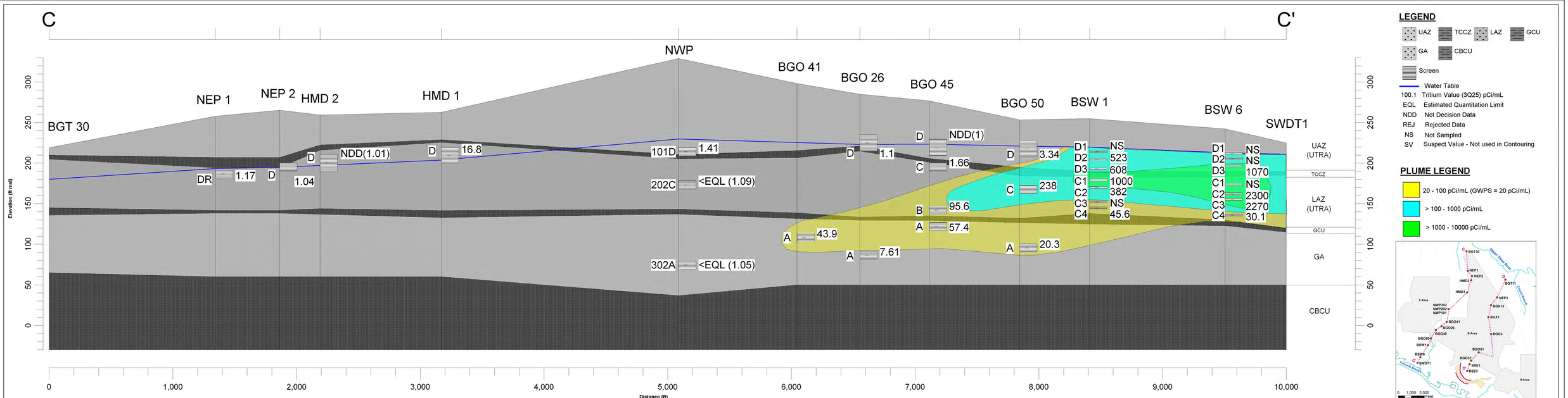
MAP10C



Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 11A.
Trichloroethylene F-Area HWMF
Hydrostratigraphic Cross Section C-C'
Third Quarter 2025

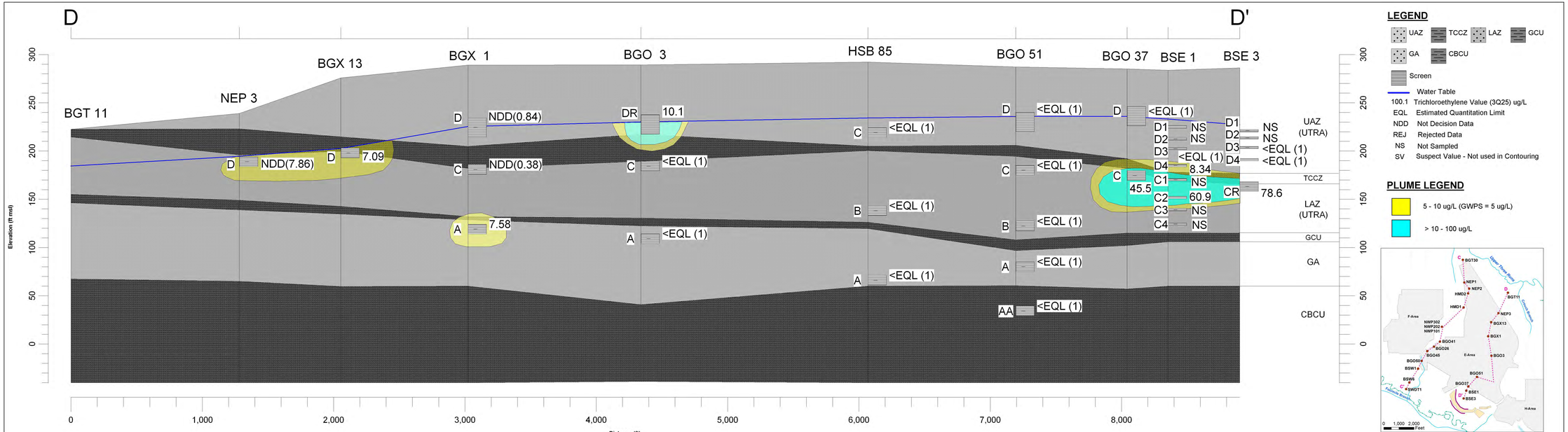
Map_11A



Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 11B.
Tritium F-Area HWMF
Hydrostratigraphic Cross Section C-C'
Third Quarter 2025

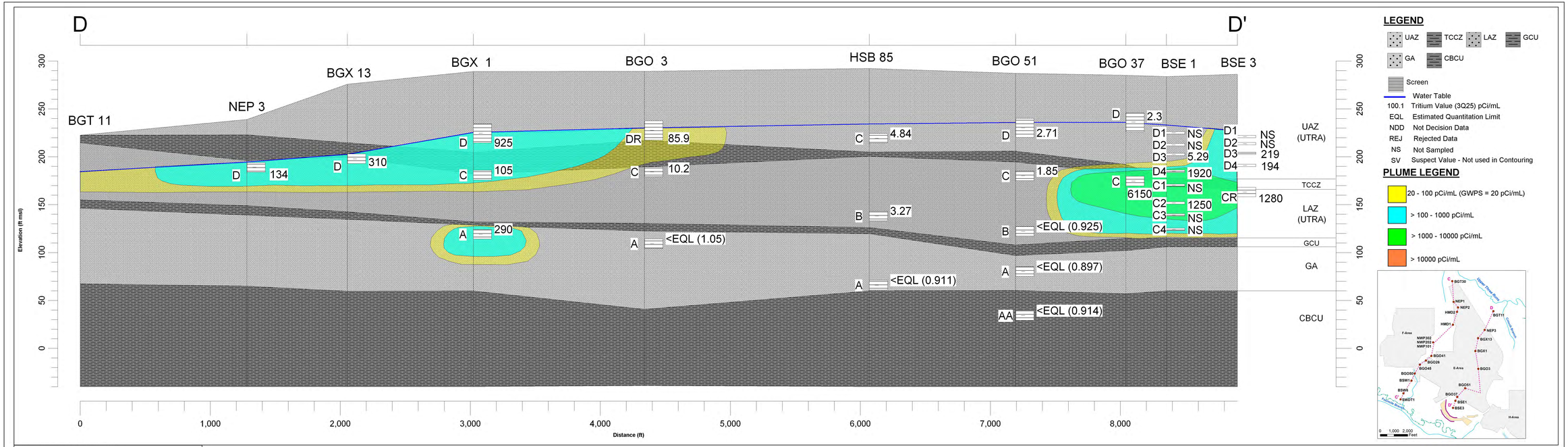
Map_11B



Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 12A.
Trichloroethylene F-Area HWMF
Hydrostratigraphic Cross Section D-D'
Third Quarter 2025

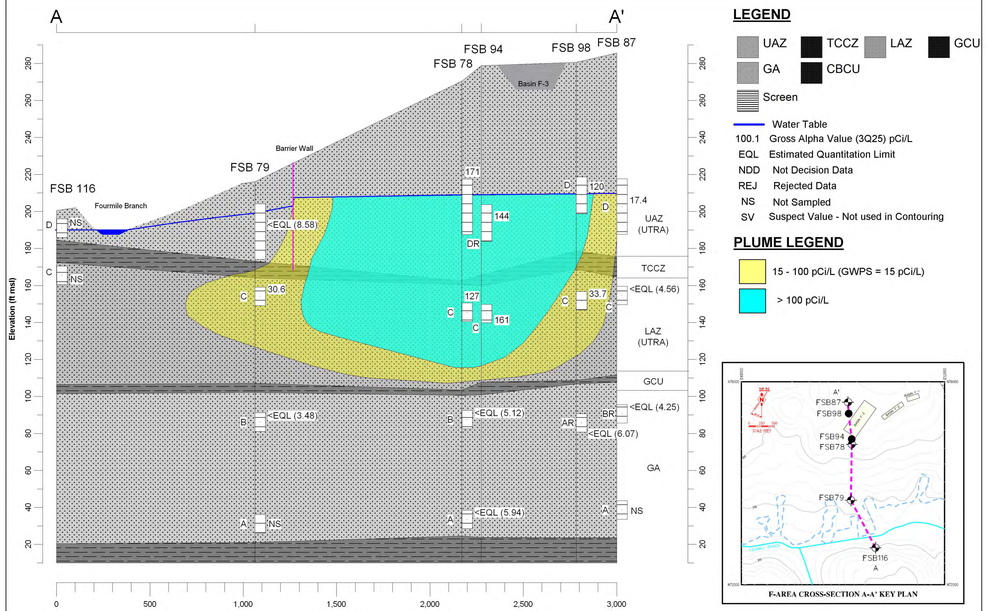
Map_12A



Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 12B.
Tritium F-Area HWMF
Hydrostratigraphic Cross Section D-D'
Third Quarter 2025

Map_12B



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU, Screen

Water Table

100.1 Gross Alpha Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

15 - 100 pCi/L (GWPS = 15 pCi/L)

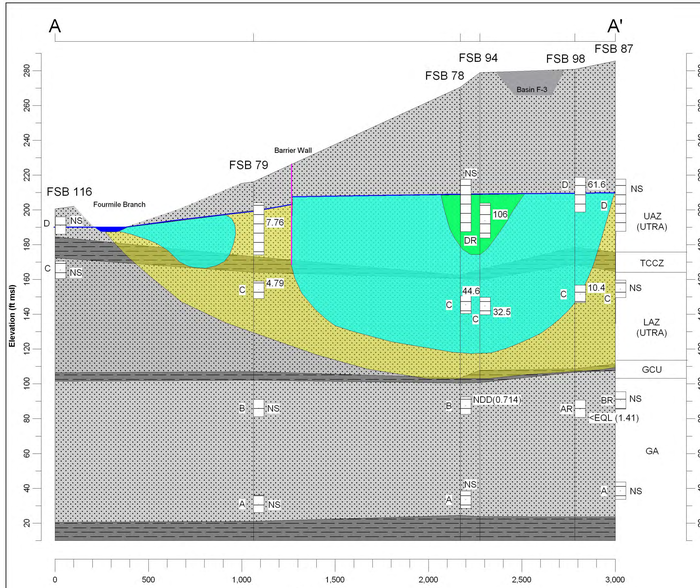
> 100 pCi/L

F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 13A.
Gross Alpha F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13A



LEGEND

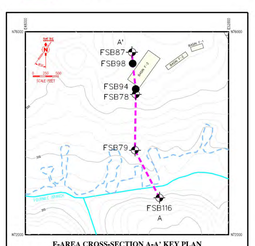
UAZ, TCCZ, LAZ, GCU, GA, CBCU, Screen

Water Table

100.1	Iodine-129 Value (3Q25) pCi/L
EQL	Estimated Quantitation Limit
NDD	Not Decision Data
REJ	Rejected Data
NS	Not Sampled
SV	Suspect Value - Not used in Contouring

PLUME LEGEND

- 1 - 10 pCi/L (GWPS = 1 pCi/L)
- > 10 - 100 pCi/L
- > 100 pCi/L

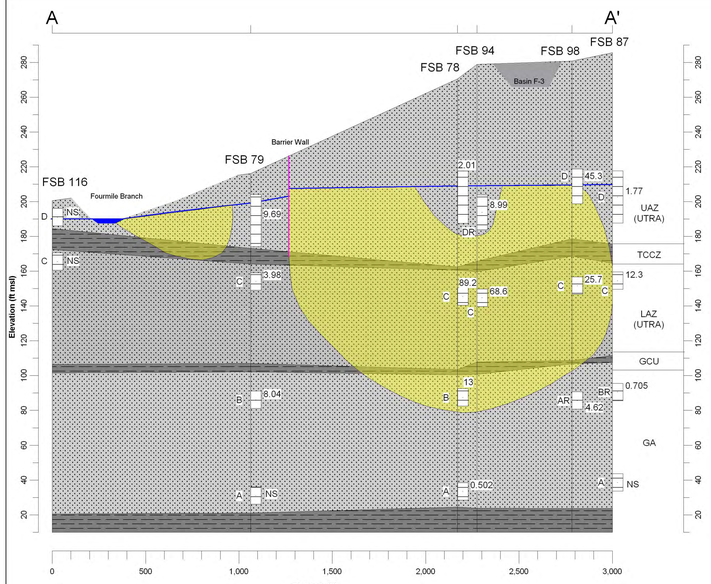


F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 13B.
Iodine-129 F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13B



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Nitrate-Nitrite Value (3Q25) mg/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

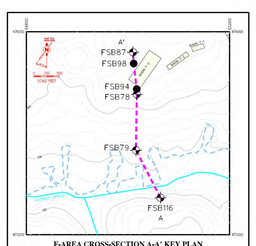
NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

10 - 100 mg/L (GWPS = 10 mg/L)

> 100 mg/L

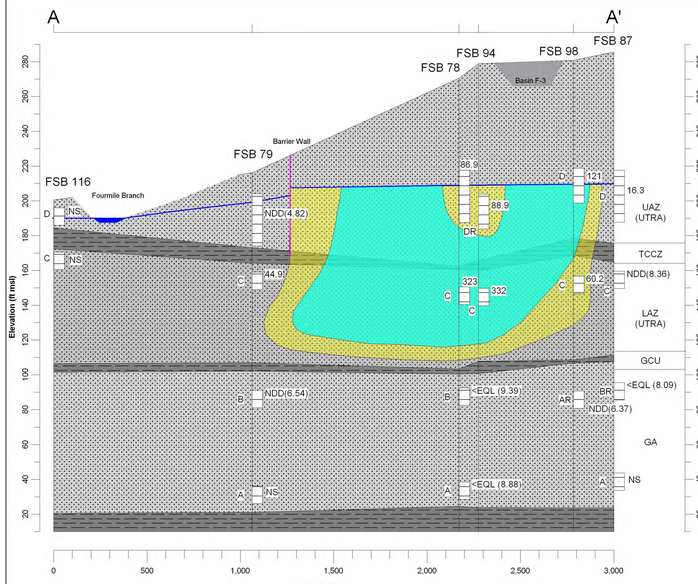


F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 13C.
Nitrate-Nitrite F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13C



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU, Screen

Water Table

100.1 Nonvolatile Beta Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

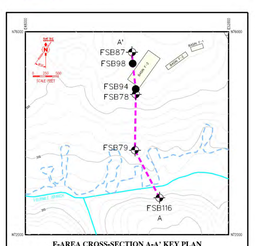
SV Suspect Value - Not used in Contouring

PLUME LEGEND

50 - 100 pCi/L (GWPS = 50 pCi/L)

> 100 - 1000 pCi/L

> 1000 pCi/L

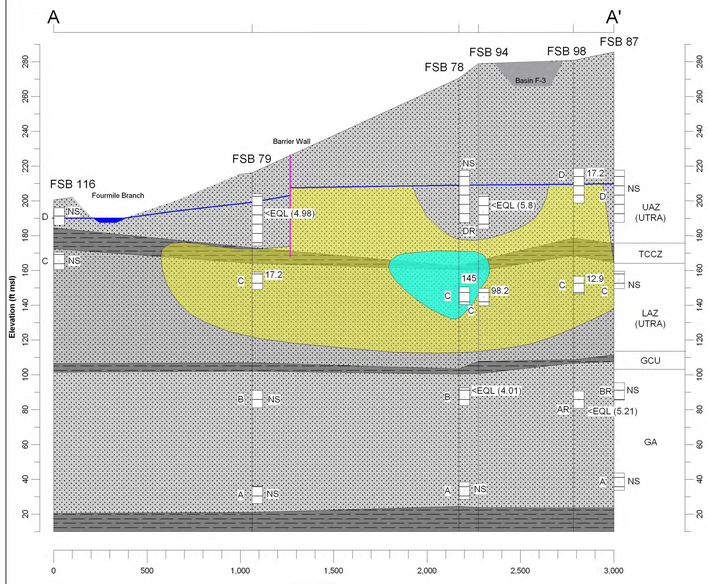


F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 13D.
Nonvolatile Beta F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13D



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Strontium-90 Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

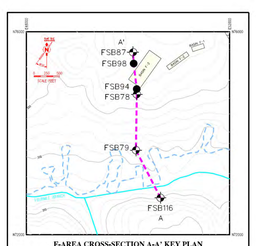
NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

8 - 100 pCi/L (GWPS = 8 pCi/L)

> 100 pCi/L

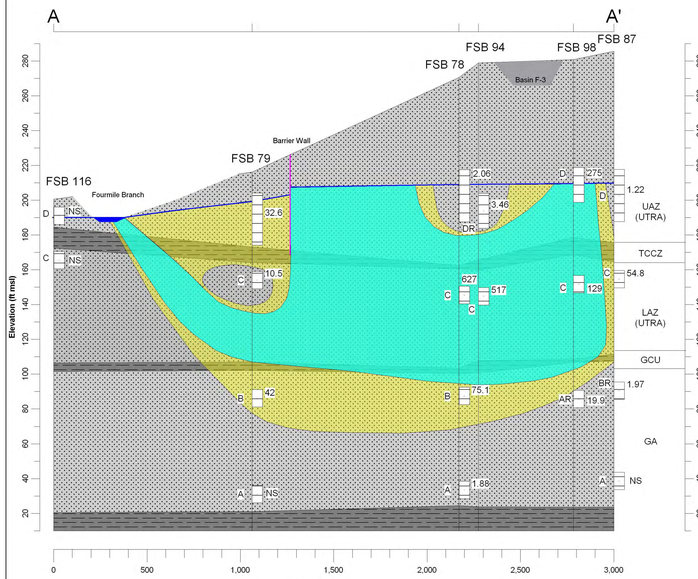


F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 13E.
Strontium-90 F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13E



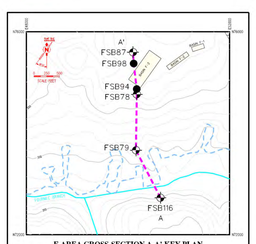
LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU, Screen, Water Table

100.1	Tritium Value (3Q25) pCi/mL
EQL	Estimated Quantitation Limit
NDD	Not Decision Data
REJ	Rejected Data
NS	Not Sampled
SV	Suspect Value - Not used in Contouring

PLUME LEGEND

- 20 - 100 pCi/mL (GWPS = 20 pCi/mL)
- > 100 - 1000 pCi/mL
- > 1000 pCi/mL

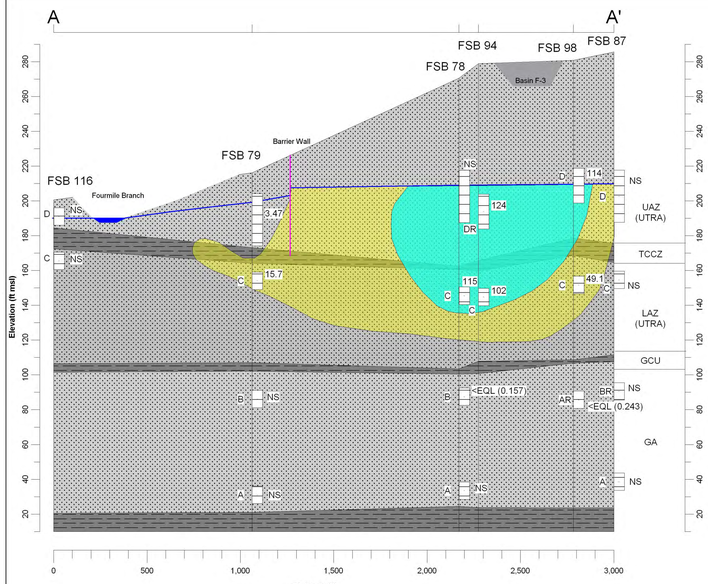


F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 13F.
Tritium F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13F



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU, Screen

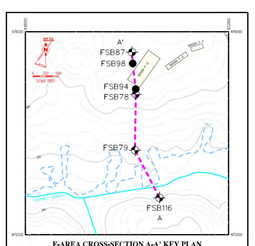
Water Table

100.1	Uranium-238 Value (3Q25) pCi/L
EQL	Estimated Quantitation Limit
NDD	Not Decision Data
REJ	Rejected Data
NS	Not Sampled
SV	Suspect Value - Not used in Contouring

PLUME LEGEND

15 - 100 pCi/L (GWPS = 15 pCi/L)

> 100 pCi/L

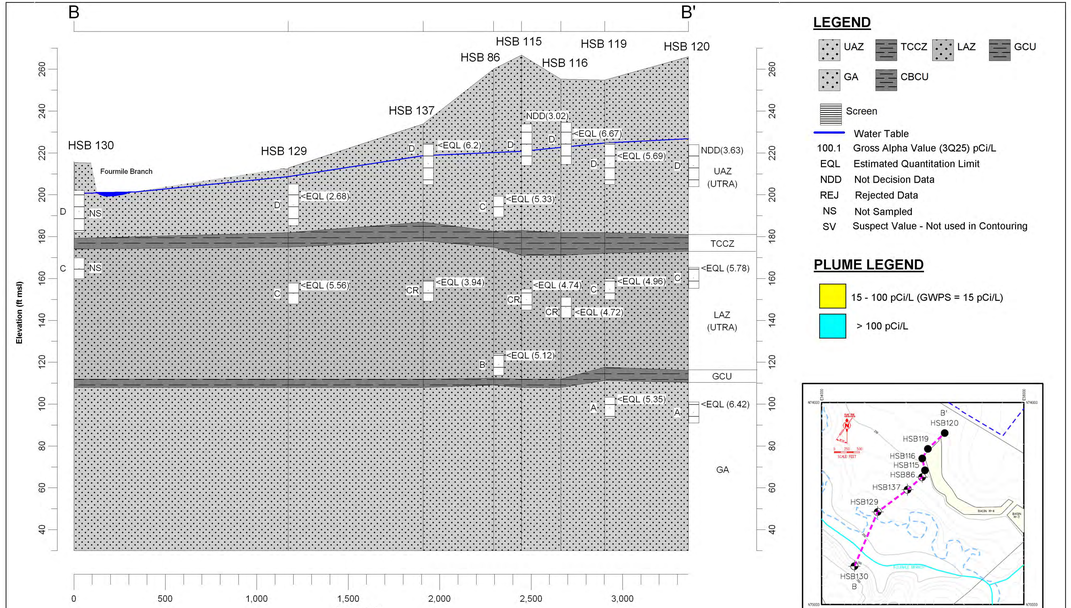


F-AREA CROSS-SECTION A-A' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2025	

Map 13G.
Uranium-238 F-Area HWMF
Hydrostratigraphic Cross Section A-A'
Third Quarter 2025

Map_13G



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Gross Alpha Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

15 - 100 pCi/L (GWPS = 15 pCi/L)

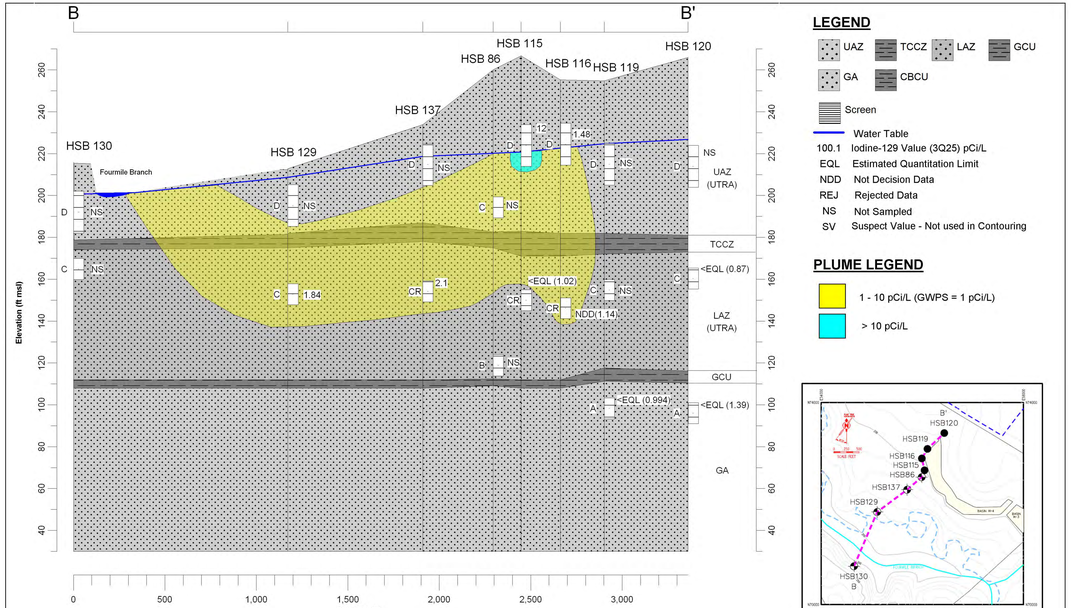
> 100 pCi/L

H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 14A.
Gross Alpha H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

Map_14A



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Iodine-129 Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

1 - 10 pCi/L (GWPS = 1 pCi/L)

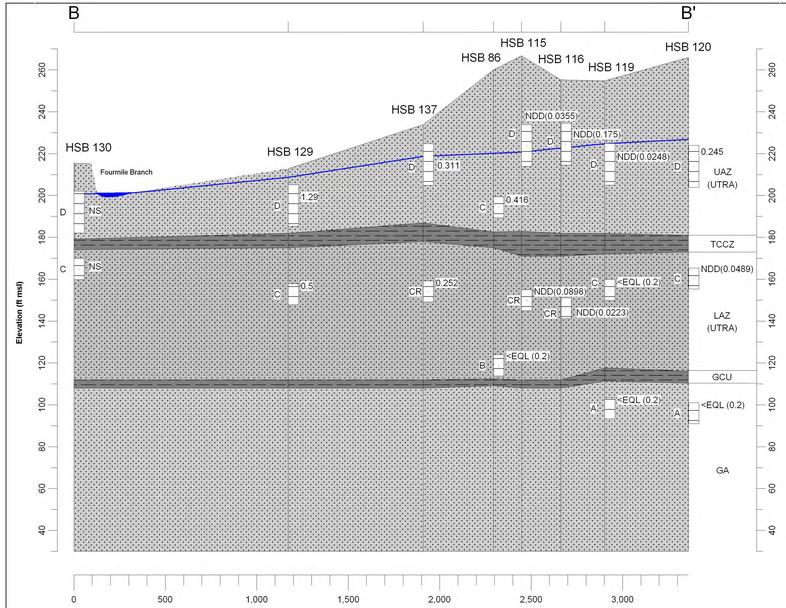
> 10 pCi/L

H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number:	SRNS-RP-2026-00880
Prepared By:	Evan Eastabrooks
Reviewed By:	Kevin Boerstler
Approved By:	Jeff Thibault
Date:	August 4, 2026

Map 14B.
Iodine-129 H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

MAP_14B



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

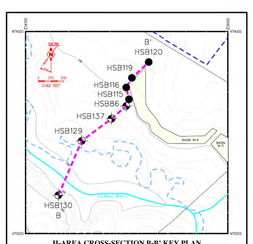
Water Table

100.1	Mercury Value (3Q25) ug/L
EQL	Estimated Quantitation Limit
NDD	Not Decision Data
REJ	Rejected Data
NS	Not Sampled
SV	Suspect Value - Not used in Contouring

PLUME LEGEND

2 - 10 ug/L (GWPS = 2 ug/L)

> 10 ug/L

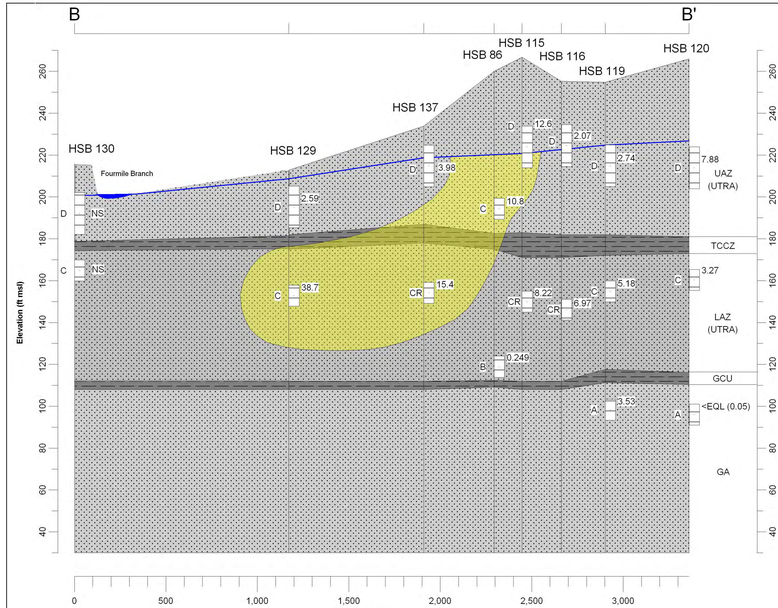


H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 14C.
Mercury H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

Map_14C



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Nitrate-Nitrite Value (3Q25) mg/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

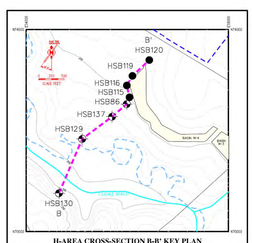
NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

10 - 100 mg/L (GWPS = 10 mg/L)

> 100 mg/L

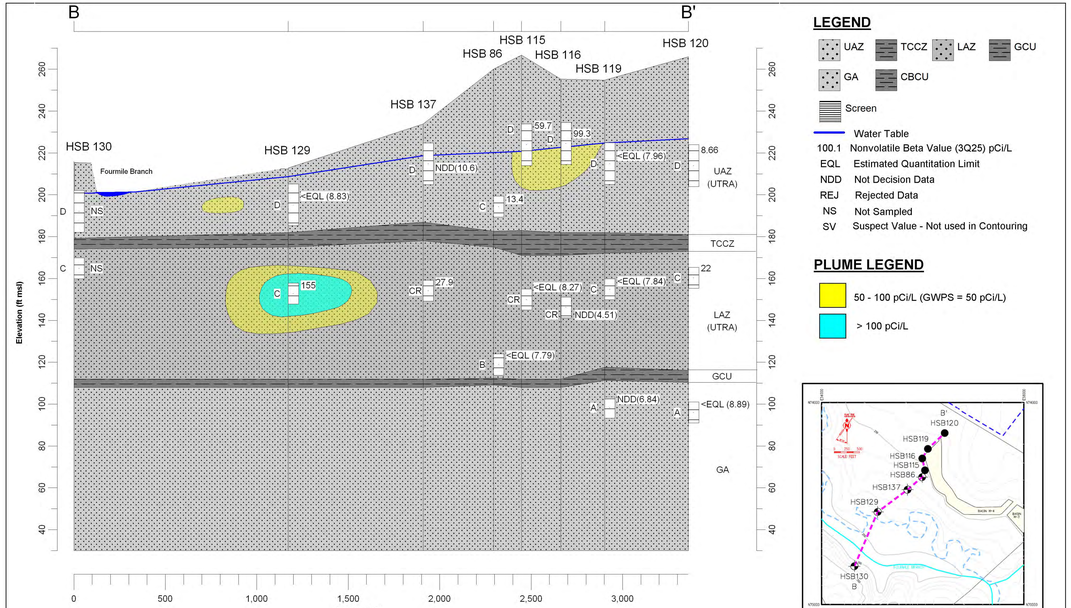


H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 14D.
Nitrate-Nitrite H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

Map_14D



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Nonvolatile Beta Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

50 - 100 pCi/L (GWPS = 50 pCi/L)

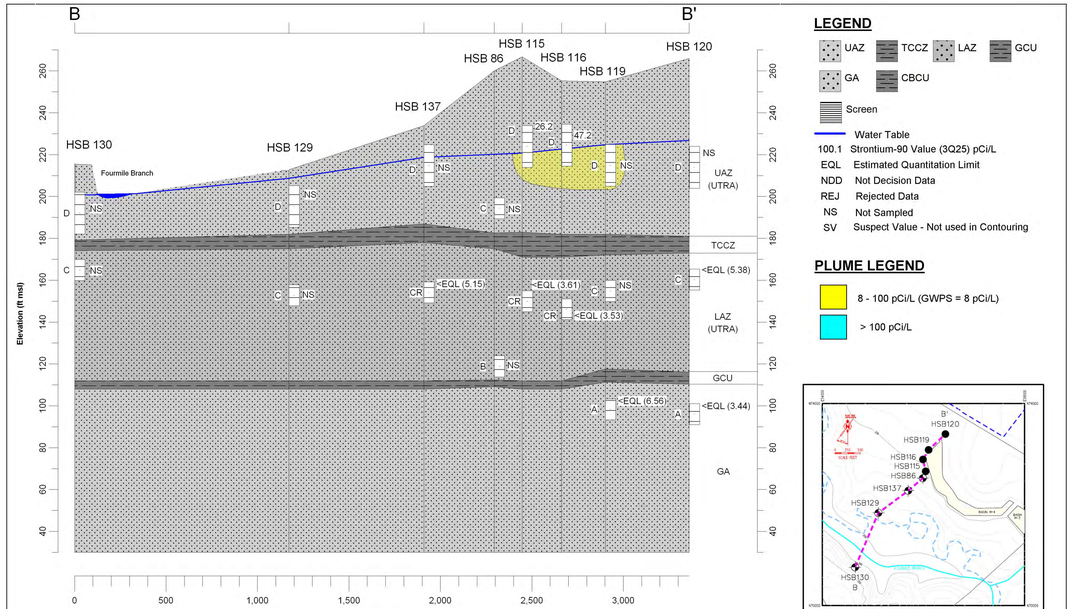
> 100 pCi/L

H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 14E.
Nonvolatile Beta H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

Map_14E



LEGEND

UAZ, TCCZ, LAZ, GCU, GA, CBCU

Screen

Water Table

100.1 Strontium-90 Value (3Q25) pCi/L

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

SV Suspect Value - Not used in Contouring

PLUME LEGEND

8 - 100 pCi/L (GWPS = 8 pCi/L)

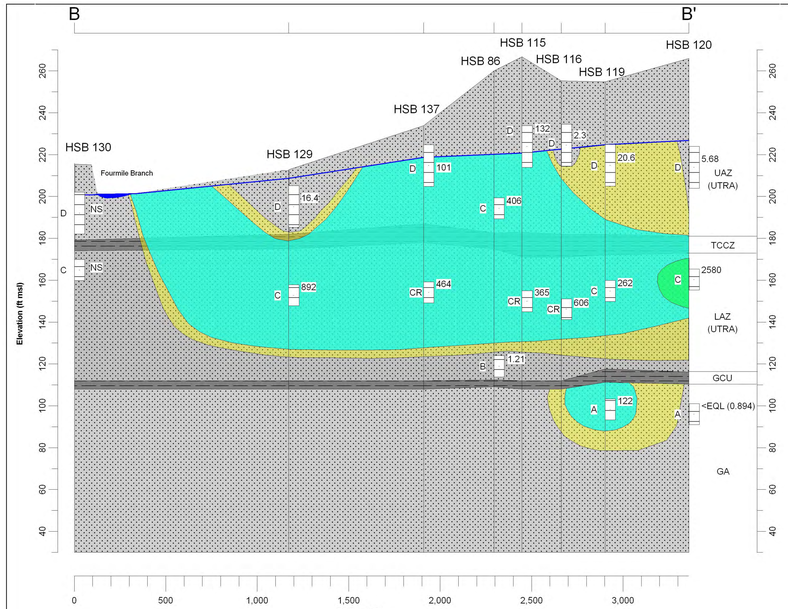
> 100 pCi/L

H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 14F.
Strontium-90 H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

Map_14F



LEGEND

UAZ TCCZ LAZ GCU

GA CBCU

Screen

Water Table

100.1 Tritium Value (3Q25) pCi/mL

EQL Estimated Quantitation Limit

NDD Not Decision Data

REJ Rejected Data

NS Not Sampled

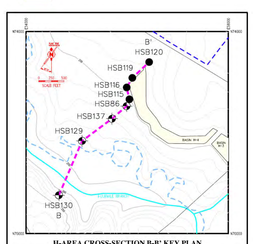
SV Suspect Value - Not used in Contouring

PLUME LEGEND

20 - 100 pCi/mL (GWPS = 20 pCi/mL)

> 100 - 1000 pCi/mL

> 1000 - 10000 pCi/mL



H-AREA CROSS-SECTION B-B' KEY PLAN

Report Number: SRNS-RP-2026-00880	
Prepared By: Evan Eastabrooks	
Reviewed By: Kevin Boerstler	
Approved By: Jeff Thibault	
Date: August 4, 2026	

Map 14G.
Tritium H-Area HWMF
Hydrostratigraphic Cross Section B-B'
Third Quarter 2025

Map_14G