



Groundwater Report for the P-Area Groundwater (PAGW) Operable Unit (OU) (U)

April 2023 through March 2024 Data

SEMS Number: 81

SRNS-RP-2024-01436

Revision 0

February 2025

DISCLAIMER

This document was prepared in conjunction with work accomplished under Contract No. DE-AC09-08SR22470 with the U.S. Department of Energy.

This work was prepared under an agreement with and funded by the U.S. Government. Neither the U.S. Government or its employees, nor any of its contractors, subcontractors or their employees, makes any express or implied: 1. warranty or assumes any legal liability for the accuracy, completeness, or for the use or results of such use of any information, product, or process disclosed; or 2. representation that such use or results or such use would not infringe privately owned rights; or 3. endorsement or recommendation of any specifically identified commercial product, process, or service. Any views and opinions of authors expressed in this work do not necessarily state or reflect those of the United States Government, or its contractors, or subcontractors.

**Printed in the United States of America
Prepared for
U. S. Department of Energy
and
Savannah River Nuclear Solutions, LLC
Aiken, South Carolina**

Table of Contents

<u>Section</u>	<u>Page</u>
List of Figures.....	ii
List of Tables	iv
List of Appendices.....	iv
1.0 Introduction.....	1
2.0 Operable Unit Description and History	2
2.1 Previously Completed P Area Remedial Actions and Treatability Study.....	3
2.1.1 P-Area Operable Unit	3
2.1.2 P-Area Burning Rubble Pit	4
2.1.3 P-Reactor Seepage Basins	4
2.1.4 Treatability Study.....	4
2.1.5 PAGW OU NTC Removal Action.....	5
2.2 Site Hydrogeology	5
2.2.1 Physiographic Setting	5
2.2.2 Hydrogeologic Setting.....	6
3.0 Monitoring and Reporting	6
3.1 Groundwater Monitoring Well and Surface Water Station Network.....	6
3.2 Groundwater Elevation Measurements and Groundwater Flow Direction.....	7
3.3 Groundwater and Surface Water Results	8
3.3.1 Tritium.....	8
3.3.2 Trichloroethylene.....	13
3.3.3 Additional Screening Level Exceedances	17
4.0 Summary and Recommendations.....	19
5.0 References.....	22

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
Figure 1.	Location of P Area at Savannah River Site.....	23
Figure 2.	Locations of Sources to Groundwater Contamination.....	24
Figure 3.	P-Area Groundwater Operable Unit Boundary	25
Figure 4.	Monitoring Network Locations for P-Area Groundwater Operable Unit	27
Figure 5.	Monitoring Network Locations for P-Area Groundwater Operable Unit (Continued).....	28
Figure 6.	Monitoring Network Locations for P-Area Groundwater Operable Unit (Continued/End).....	29
Figure 7.	Monitoring Well Network for the Upper Aquifer Zone Analytical Results...	30
Figure 8.	Monitoring Well Network for the Lower Aquifer Zone Analytical Results...	31
Figure 9.	Monitoring Well Network for the Gordon Aquifer Unit Analytical Results ..	32
Figure 10.	Surface Water Monitoring Station Network.....	33
Figure 11.	Typical Trend of Water Levels at the P Area, P 24 Well Cluster	35
Figure 12.	Annual Rainfall for P Area with Three Point Moving Average.....	36
Figure 13.	Upper Aquifer Zone Potentiometric Surface for the P-Area Groundwater Operable Unit.....	37
Figure 14.	Upper Aquifer Zone Potentiometric Surface for the P-Area Groundwater Operable Unit (Continued/End).....	38
Figure 15.	Lower Aquifer Zone Potentiometric Surface for the P-Area Groundwater Operable Unit.....	39
Figure 16.	Gordon Aquifer Unit Potentiometric Surface for the P-Area Groundwater Operable Unit.....	40
Figure 17.	Upper Aquifer Zone Tritium Plume for the P-Area Groundwater Operable Unit.....	41
Figure 18.	Tritium Cross-Section Trace	42
Figure 19.	Cross-Section of the Tritium Plume in P Area.....	43
Figure 20.	Time-Series Plot for Tritium at Upper Aquifer Zone Wells in the Vicinity of the P-Area Reactor Disassembly Basin.....	45
Figure 21.	Time-Series Plot for Tritium at Upper Aquifer Zone Wells in the Vicinity of the P-Area Reactor Building Complex	46
Figure 22.	Time-Series Plots for Tritium at Upper Aquifer Zone Wells in the Vicinity of the P-Reactor Seepage Basins	47
Figure 23.	Lower Aquifer Zone Tritium Plume for the P-Area Groundwater Operable Unit.....	49
Figure 24.	Time-Series Plots for Tritium at Lower Aquifer Zone Wells in the Tritium Plume.....	51
Figure 25.	Time-Series Plots for Tritium at Lower Aquifer Zone Wells Northeast of P- Area Reactor Building Complex.....	52

Figure 26.	Gordon Aquifer Unit Tritium Plume for the P-Area Groundwater Operable Unit.....	53
Figure 27.	Time-Series Plots for PSB002 Monitoring Wells in the Gordon Aquifer Unit	55
Figure 28.	Surface Water and Shallow Well Locations for Tritium Plume Impact	57
Figure 29.	Time-Series Plots for Tritium at Surface Water Stations.....	59
Figure 30.	Steel Creek Sampling Access Road Completed in January 2023.....	60
Figure 31.	Upper Aquifer Zone Trichloroethylene Plume for the P-Area Groundwater Operable Unit.....	61
Figure 32.	Trichloroethylene Cross-Section Trace	62
Figure 33.	Cross-Section of the Trichloroethylene Plume in P Area.....	63
Figure 34.	Upper Aquifer Zone Trichloroethylene Plume at Potential Source Area 3A	64
Figure 35.	Time-Series Plots for Trichloroethylene at Upper Aquifer Zone Wells in the Vicinity of Potential Source Area 3A	65
Figure 36.	Time-Series Plots for Trichloroethylene at the Neck Area of the Upper Aquifer Zone Plume.....	66
Figure 37.	Time-Series Plots for Trichloroethylene at PGW014DU and PGW026DL....	67
Figure 38.	Lower Aquifer Zone Trichloroethylene Plume for the P-Area Groundwater Operable Unit.....	69
Figure 39.	Time-Series Plots for Trichloroethylene at PGW025 Well Cluster	71
Figure 40.	Time-Series Plots for Trichloroethylene at Distal Area Wells in the Lower Aquifer Zone.....	72
Figure 41.	Time-Series Plots for Trichloroethylene in the Lower Aquifer Zone Northeast of Potential Source Area 3A.....	73
Figure 42.	Surface Water and Shallow Well Station Locations for Trichloroethylene Surface Water Impact	75
Figure 43.	Time-Series Plots for Trichloroethylene at Surface Water Stations.....	77
Figure 44.	Upper Aquifer Zone PCE "Hot-Spot" at Groundwater Monitoring Well PGW034DL	79
Figure 45.	Time-Series Plot for PCE at PGW034DL.....	81
Figure 46.	Time-Series Plots for cVOCs at P003L.....	82
Figure 47.	Time-Series Plots for cVOCs at PGW026DL.....	83
Figure 48.	Time-Series Plots for cVOCs at PGW029DL.....	84
Figure 49.	Time-Series Plots for cVOCs at PAO003DU.....	85
Figure 50.	Location of In-Situ Chemical Oxidant Injections and Upper Aquifer Zone Monitoring Well PAO001DU.....	87
Figure 51.	Time-Series Plot for Select Metals at PAO001DU	89
Figure 52.	Time-Series Plots for Tritium at PSB 2 Well Group.....	90

LIST OF TABLES

<u>Table</u>	<u>Page</u>
Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit.....	91
Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells	97
Table 3. Tritium and Trichloroethylene Results Above Maximum Contaminant Level for P-Area Groundwater Operable Unit	103
Table 4. Summary Table of Screening Level Exceedances for 1Q24.....	104

LIST OF APPENDICES

Appendix A – Hydrographs for PAGW OU 2024 Sampling

Appendix B – Analytical Data for PAGW OU 2024 Sampling

Appendix C – Time-Series Plots for PAGW OU 2024 Sampling

C.1 – Tritium Time-Series Plots

C.1 – Trichloroethylene Time-Series Plots

Appendix D – Field Data for PAGW OU 2024 Sampling

LIST OF ACRONYMS AND ABBREVIATIONS

~	approximately
ac	acre
amsl	above mean sea level
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cis-DCE	cis-1,2-dichloroethylene
cVOC	chlorinated volatile organic compound
EMR	Effectiveness Monitoring Report
ft	feet; foot
GAU	Gordon Aquifer Unit
GCU	Gordon Confining Unit
ha	hectare
ISCO	in-situ chemical oxidation
LAZ	Lower Aquifer Zone
m	meter
MCL	maximum contaminant level
MDL	method detection limit
NTC	Non-Time Critical
OU	Operable Unit
PAGW	P-Area Groundwater
PAOU	P-Area Operable Unit
PBRP	P-Area Burning Rubble Pit
PCE	tetrachloroethylene
pCi/mL	picocurie per milliliter
PCR	Post-Construction Report
P-RBC	P-Area Reactor Building Complex
PQL	practical quantification limit
PRDB	P-Area Reactor Disassembly Basin
PRSB	P-Reactor Seepage Basin
PSA	Potential Source Area
RA	Removal Action
RI	Remedial Investigation
RSL	regional screening level
SAP	Sampling and Analysis Plan
SCDES	South Carolina Department of Environmental Services ¹
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions, LLC
SRS	Savannah River Site
SVE	soil vapor extraction
TCE	trichloroethylene
UAZ	Upper Aquifer Zone
TCCZ	Tan Clay Confining Zone
ug/L	microgram per liter
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
UTRA	Upper Three Runs Aquifer

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

LIST OF ACRONYMS AND ABBREVIATIONS

WSRC	Washington Savannah River Company, LLC
ZVI-PRB	Zero-Valent Iron Permeable Reactive Barrier

1.0 INTRODUCTION

The Savannah River Site (SRS) occupies approximately (~) 804 square kilometers (310 square miles) of land adjacent to the Savannah River, principally in Aiken and Barnwell counties of South Carolina. SRS is owned by the United States Department of Energy (USDOE), and operating services are provided by Savannah River Nuclear Solutions, LLC (SRNS). SRS has historically produced tritium, plutonium, and other special nuclear materials for national defense. Chemical and radioactive wastes are byproducts of nuclear material production processes. Hazardous substances, as defined by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), are currently present in the environment at SRS which require attention.

Operation of P Area resulted in an impact to groundwater in the P-Area Groundwater (PAGW) Operable Unit (OU). Following completion of field activities associated with the 2013 Sampling and Analysis Plan (SAP) (SRNS 2013b), the Core Team (USDOE, the United States Environmental Protection Agency [USEPA], and the South Carolina Department of Environmental Services [SCDES]) met and agreed that chlorinated volatile organic compound (cVOC), namely trichloroethylene (TCE), and tritium plumes exist over extensive areas in two aquifer zones of the Upper Three Runs Aquifer (UTRA). In response, the Core Team approved the 2018 SAP Addendum (SRNS 2018), which committed the USDOE to long-term surface water and groundwater monitoring and reporting for the PAGW OU. The USDOE committed to submitting a groundwater report for the PAGW OU biennially (every two years) that provides, at a minimum, current location of the groundwater plumes, time-trends for key constituents (e.g., tritium and TCE), hydrographs, data summary tables, and review of impact to Steel Creek (SRNS 2018). In between the time when the groundwater report is submitted, only data summary tables for that reporting year will be submitted. This report is the third submission of the full PAGW OU groundwater report and focuses on all data gathered from April 2023 through March 2024. The PAGW OU monitoring network as defined in the 2018 SAP is listed in Table 1. Since 2018, additional groundwater monitoring wells have been included in the PAGW OU monitoring network. Table 1 provides the rationale for the addition of new and/or existing groundwater monitoring wells to the monitoring network since the 2018 SAP.

The purpose of this document is to report on the current state of contaminant plumes in the PAGW OU and to identify if data gaps exist which require consideration in order to adequately monitor groundwater contamination. Long-term monitoring of the PAGW OU contaminant plumes will provide data required in future phases of the OU closure.

2.0 OPERABLE UNIT DESCRIPTION AND HISTORY

P Area is in the central portion of SRS ~9.7 kilometers (6 miles) west of the nearest SRS boundary and consists of a decommissioned nuclear reactor, several support buildings, and waste sites (Figures 1 and 2). Prior to SRS operations, the area consisted of privately owned woodlands and farmland. The principal operating facility in P Area, P-Reactor, began operations in February 1954. In 1987, the reactor was taken off-line for maintenance and safety upgrades, placed in warm standby in 1988, and placed in shutdown status in 1991. Operations of P-Reactor and associated facilities resulted in tritium and cVOC contamination, impacting groundwater beneath P Area as identified in the PAGW OU.

Between 2002 and 2005, extensive soil, soil-gas, and groundwater pre-work plan characterizations were performed to discern source(s) to groundwater and define the nature and extent of groundwater contamination (Washington Savannah River Company, LLC [WSRC] 2002). In 2006, characterization of source areas to groundwater as identified in the CERCLA Remedial Investigation (RI) Work Plan for the P-Area Operable Unit (PAOU) (WSRC 2005) was conducted, and the outcome of that work was documented in the Resource Conservation and Recovery Act Facility Investigation/RI Report with Baseline Risk Assessment and Corrective Measures Study/Feasibility Study for the PAOU (WSRC 2008). All PAOU sources have been remediated and there are no continuing sources that have the potential to impact PAGW OU groundwater (WSRC 2006, SRNS 2012).

In 2010, additional pre-work plan characterization of the PAGW OU was performed to determine the overall extent of the groundwater plumes, address data uncertainty, and install additional groundwater monitoring wells to provide long-term monitoring of the groundwater plumes. The 2010 pre-work plan characterization results and all preceding characterization activities were presented in a scoping summary in support of a March 2013 PAGW OU scoping meeting. The Core Team agreed to the following: a) submittal of a SAP to support additional characterization;

b) include a data summary of the previous investigations in the SAP; and c) allow the approved SAP to fulfill the requirements for an RI work plan. The SAP for the PAGW OU was approved by the USEPA and SCDES in October 2013 (SRNS 2013b).

In January 2017, the Core Team met to discuss the results of the 2013 SAP. Based on the data and identified impact to the upper reaches of Steel Creek above L Lake, an additional meeting was held in May 2017. The Core Team agreed to a Non-Time Critical (NTC) Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis to evaluate removal action alternative(s) for the cVOC groundwater plumes and a SAP Addendum to address data uncertainties in the distal area and upper Steel Creek. The portion of Steel Creek from P Area downstream to surface water station SC-04 is the area of impact from contaminated groundwater discharge and is referred to as “upper Steel Creek” in this document. The SAP Addendum was submitted in August 2018 and results were presented to the Core Team in July 2020.

A description of the previous groundwater investigations at the PAGW OU is provided in the 2013 SAP for the PAGW OU (SRNS 2013b) and in the 2018 SAP Addendum (SRNS 2018).

2.1 Previously Completed P Area Remedial Actions and Treatability Study

2.1.1 P-Area Operable Unit

The P Area surface units identified as posing a risk to human health, the environment, and contributing to groundwater contamination were remediated as part of the PAOU and included the P-Area Reactor Building Complex (P-RBC), P-Area Process Sewer Lines, and cVOC Potential Source Areas (PSA). Remedial actions associated with PAOU surface units have been completed and are documented in the PAOU Post Construction Report (PCR) (SRNS 2012). One surface unit, PSA-3A was determined to be the source of the TCE plumes that are discharging to upper Steel Creek (Figure 2). PSA-3A was remediated in 2011 and the cleanup levels² were met using soil vapor extraction (SVE) enhanced with soil fracturing and in-situ chemical oxidation (ISCO) injection. Surface unit PSA-3B, a source for tetrachloroethylene (PCE) contamination in the PAGW OU, was also remediated using SVE (SRNS 2013a). All PAOU sources to groundwater

² Cleanup levels were referred to as remedial goals in previous SRS regulatory documents.

contamination were remediated (cleanup levels met) and no further impact to the PAGW OU from PAOU surface units is anticipated.

2.1.2 P-Area Burning Rubble Pit

The P-Area Burning Rubble Pit (PBRP) OU was used for periodic burning of combustible materials between 1951 and 1973. In 1973, burning in open pits was discontinued at SRS and a soil layer was placed on the PBRP contents. Inert debris such as construction materials continued to be placed in the PBRP until it reached capacity in 1978 and was covered with ~1.2 meters (m) (4 feet [ft]) of clean soil to grade. The PBRP was remediated in 2004 with the placement of an engineered low permeability cover system with BaroBall™ wells. Natural biodegradation of contaminants is expected. Land use controls and groundwater monitoring and reporting are conducted to monitor the remedial action per the PCR for the PBRP (WSRC 2004). No impact to the PAGW OU is anticipated from the PBRP OU.

2.1.3 P-Reactor Seepage Basins

Three unlined basins comprised the P-Reactor Seepage Basins (PRSB) OU. The basins received low-level radioactive purge water from the P-Area Reactor Disassembly Basin (PRDB), which was fed through a system of process sewer lines. Historical records indicate that there was a leak from original process sewer lines east of the PRSBs, contaminating soil in a 41.8 square meter (450 square foot) area. The subunits of the PRSB OU were remediated through consolidation of contaminated soils, solidification and stabilization of the basins via grout mixing, installation of a low permeability geosynthetic closure cover, and land use controls (WSRC 2006). Excavation of the process sewer lines, and associated contaminated soil, was included in the remedy and soils were placed in the PRSBs. Remedial activities at the PRSB OU were completed in 2005 and no further impacts to groundwater are expected from the PRSB OU. Existing groundwater impacts (i.e., tritium contamination) due to the PRSB OU are included in the overall PAGW OU.

2.1.4 Treatability Study

A treatability study at the PAGW OU to assess the viability of biostimulation and bioaugmentation using a microbe (MicroCED) found in SRS groundwater was conducted in 2009 on the TCE groundwater plumes downgradient of surface unit PSA-3A (Savannah River National Laboratory [SRNL] 2010). Biodegradation of TCE was mostly exhibited in the injection wells with little to

no impact exhibited at nearby piezometers (SRNL 2013). Subsequent sampling further supported the notion of localized treatment with little impact to nearby piezometers. No follow-on work has been conducted since completion of the study. The effectiveness of the biostimulation and bioaugmentation using MicroCED was inconclusive based on limited data collected during implementation of the treatability study.

2.1.5 PAGW OU NTC Removal Action

Subsequent to a May 2017 Core Team meeting, a NTC Removal Action (RA) was implemented to address TCE plumes discharging to upper Steel Creek. The NTC RA was intended to target the large TCE mass just downgradient of the P-RBC, in the source area of the PAGW OU plume. The selected alternative was a Zero-Valent Iron Permeable Reactive Barrier (ZVI-PRB) installed in the neck area of the groundwater plume. The ZVI-PRB was installed in 2019 at a depth of 13.7 to 41.1 m (45 to 135 ft) below ground surface and extends for 80.5 m (264 ft). The ZVI-PRB intersects the cVOC plumes at the neck area and is intended to cut off downgradient migration of cVOC contaminants from the source area. Conceptually, contaminated groundwater that comes in contact with the ZVI by flow will be remediated and clean groundwater will flow downgradient of the permeable barrier. Assessment of the ZVI-PRB performance is ongoing and the effects of the ZVI-PRB on the overall PAGW OU cVOC plumes are not discussed in this report at this time. Monitoring and assessment of the ZVI-PRB performance is conducted in accordance with the ZVI-PRB Effectiveness Monitoring Plan and are discussed in annual PAGW OU NTC RA Effectiveness Monitoring Reports (EMR).

2.2 *Site Hydrogeology*

2.2.1 Physiographic Setting

The PAGW OU lies in the central portion of SRS. It is bounded by Meyers Branch to the southeast, PAR Pond to the northeast, and Steel Creek to the northwest. Topography ranges from 101 m (330 ft) above mean sea level (amsl) near P Area to 57.9 m (190 ft) amsl at the downstream end of Meyers Branch and Steel Creek (Figure 3). The area near the P-RBC is higher in elevation than the surrounding land. Surface drainage on the west side of the P-RBC is to the west, towards Steel Creek. Surface drainage on the east side of the P-RBC drains to unnamed tributaries that drain to

PAR Pond. Surface drainage on the south side drains to wetlands and unnamed tributaries to Meyers Branch.

In support of the P-RBC construction, native soils in the vicinity of the P-RBC were excavated out and backfilled with well sorted, unconsolidated sandy soil to ground surface. The reactor building extends to a depth of ~15.2 m (~50 ft) below ground surface.

2.2.2 Hydrogeologic Setting

A detailed description of the hydrostratigraphy of the PAGW OU can be found in the 2013 SAP for the PAGW OU (SRNS 2013b).

The groundwater encompassed by the PAGW OU is in the Floridan aquifer system. There are two aquifers of interest, the UTRA and the Gordon Aquifer Unit (GAU). The UTRA and GAU are separated by the Gordon Confining Unit (GCU). The UTRA is further divided into the Upper Aquifer Zone (UAZ) and the Lower Aquifer Zone (LAZ) by an informal aquitard, the Tan Clay Confining Zone (TCCZ). The TCCZ is an incompetent confining layer that does not stop all vertical migration of groundwater between the UAZ and LAZ. The near-surface groundwater in P Area is isolated by Lower Three Runs to the east, Steel Creek to the southwest, and Meyers Branch to the south and east.

3.0 MONITORING AND REPORTING

The Core Team agreed to long-term monitoring and reporting on the PAGW OU due to extensive tritium and TCE contamination. This data report for the PAGW OU includes all groundwater sampling stations and associated Steel Creek surface water stations that are not addressed by previously mentioned monitoring plans.

3.1 Groundwater Monitoring Well and Surface Water Station Network

The monitoring network for the PAGW OU includes 227 groundwater monitoring wells, ten of which are shallow groundwater or seepage monitoring wells. Additionally there are five surface water stations located in Steel Creek. Of the 227 groundwater monitoring wells, 116 are screened in the UAZ, 71 are screened in the LAZ, and 40 are screened in the GAU. The overall objective of the monitoring at PAGW OU is to assess the state of groundwater contamination in the unit for

future response actions. The data quality objectives and sampling design are provided in the 2018 SAP Addendum for the PAGW OU (SRNS 2018). Groundwater monitoring wells assess the changes in concentrations of tritium and TCE groundwater plumes in the UTRA and GAU. Monitoring wells also provide insight on the impact of P Area units on groundwater. Shallow monitoring wells and surface water stations assess plume discharge and overall impact of the PAGW OU tritium and TCE plumes. Table 1 and Figures 4 through 10 provide a summary of all monitoring network locations.

3.2 Groundwater Elevation Measurements and Groundwater Flow Direction

Hydrographs from 1987 to present are displayed in Figure 11 for the P 24 monitoring well cluster. These wells best indicate the long-term water level history for the PAGW OU and show consistent trends between the UAZ, the LAZ, and the GAU. P 24D is screened in the UAZ, P 24C and P 24B are screened in the LAZ, and P 24A is screened in the GAU. Groundwater levels in the PAGW OU are at a current high relative to levels over the last 20 years, which follows expectations with annual rainfall over the last eight years (Figure 12). Table 2 presents groundwater elevations for all monitoring network locations. Hydrographs for all wells within the monitoring network are included in Appendix A.

Potentiometric surfaces are shown in Figures 13-16 for the UAZ regional, UAZ localized, LAZ, and GAU, respectively. Groundwater in the UAZ and LAZ flows outward radially from P Area in the vicinity of the P-RBC (~83.8 m [275 ft] amsl for the UAZ, ~83.5 m [274 ft] amsl for the LAZ). Flow is dominated to the west toward upper Steel Creek (~71.0 m [233 ft] amsl for the UAZ, ~74.1 m [243 ft] amsl for the LAZ) and to the northeast toward unnamed tributaries to PAR Pond (~76.2 m [250 ft] amsl for the UAZ, ~71.6 m [235 ft] amsl for the LAZ). Flow to the southeast is toward Meyers Branch (~71.9 m [236 ft] amsl for the UAZ, ~68.6 m [225 ft] amsl for the LAZ). Regionally, groundwater flow in the GAU is southwest toward Savannah River, changing in elevation from ~57.9 m (190 ft) amsl at the P-RBC to ~55.5 m (182 ft) amsl at downgradient monitoring well, PGW-02A.

Water elevation data was excluded from potentiometric contour calculations for wells that were dry or that were obvious outliers or duplicate wells screened in the same aquifer. Excluded stations are indicated in Figures 13-16 and in Table 2. For the GAU, wells with significantly higher water

elevations were excluded because the wells were screened in low-permeability sediments at the top of the GAU or possibly screened in the sandier sections of the GCU instead of the GAU.

In September 2024, two surface water flow stations were installed in Steel Creek. The first station was installed at surface water monitoring station SC-03 and the second was installed at station SC-07. The flow stations provide real time flow measurements at the two locations on Steel Creek. The flow station data will aid in development of boundary conditions for future groundwater flow modeling for the PAGW OU. Data from the new flow stations will be provided in future PAGW OU reporting.

3.3 Groundwater and Surface Water Results

The primary contaminants of concern in the PAGW OU are tritium and TCE. Sample results above the maximum contaminant level (MCL) for tritium (20 picocuries per milliliter [pCi/mL]) and/or TCE (5 micrograms per liter [ug/L]) from April 2023 to March 2024 are listed in Table 3. All analytical sampling results for analytes are included in Appendix B along with respective MCLs or regional screening levels (RSLs), with exceedances highlighted in Appendix B and summarized in Table 4. Time-series plots of TCE and tritium are provided for all sampled wells in Appendix C. All field data for sampled wells is included in Appendix D. The following sections provide discussion on sampling results for the primary groundwater contaminants, tritium and TCE.

3.3.1 Tritium

Tritium was detected in 80 samples at 102 locations sampled between April 2023 and March 2024 for the PAGW OU. Of these detects, 49 were in the UAZ, 23 were in the LAZ, three were in the GAU, and five were in surface water. MCL exceedances were seen in 17 of 61 samples in the UAZ, 12 of 31 samples in the LAZ, two of five samples in the GAU, and three of five samples in surface water. Tritium exceedances are summarized in Table 3 and 4. Time-series plots are provided in Appendix C for tritium at all monitoring network locations.

3.3.1.1 Upper Aquifer Zone

The tritium plume in the UAZ is shown in Figure 17. The plume extends west from P Area and north from the PRSB toward upper Steel Creek, following groundwater flow direction, where it discharges between shallow upper Steel Creek well points PSC002 and PSC005. The plume

discharges along ~152 m (500 ft) of the creek around SC-03. The plume extent above the MCL in the UAZ encompasses an area of ~23.2 hectares (ha) (57.2 acres [ac]), is ~915 m (3,000 ft) in total length and is ~550 m (1,800 ft) at its widest. In addition, a prominent vertical migration component for contaminant transport is present as illustrated by tritium concentrations at the PSB 2 well group. Tritium concentrations at this well group exhibit elevated levels from the UAZ, across the LAZ, and into the GAU. The maximum tritium concentration (2,030 pCi/mL) was detected in the central portion of the UAZ plume at well PSB011DL, downgradient of the PRSBs. Figure 18 presents the location of the cross-section A-A', shown in Figure 19, for the tritium plume and subsurface in P Area. Cross-section plume delineations are conservative based on sample results from monitoring wells. The UAZ plume extent originates from three locations, the PRDB, P-RBC and process sewer lines, and the PRSB. The PRSBs are recognized as contributing a majority of the tritium contamination to groundwater.

Figure 20 shows the time-series plot for UAZ monitoring wells near the PRDB. Overall, there is a decreasing trend in tritium concentrations from 1986 to present, with the exception of PDB 2. There are no continuing sources to groundwater within P Area. The main contributing source was the PRDB, which has since been dewatered and filled with grout as part of the P-RBC in-situ decommissioning. PDB 4, which is located downgradient of PDB 2, was added to the tritium monitoring network in recent sampling events and had a first quarter 2024 (1Q24) result of 124 pCi/mL. The result at PDB 4 is within the expected extent of the tritium UAZ plume associated with the PRDB. The recent increases in tritium concentration correlates with an increase in P Area water levels, which has the potential to mobilize tritium residual in the vadose zone below the closed source units such as the PRDB, as evident by the increase at PDB 2. Considering the distance to Steel Creek, half-life of tritium, and travel time, the impact to the overall tritium groundwater plume is minor, with no impact to surface water or potential future actions anticipated.

Tritium concentrations from 2007 to present for monitoring wells located just west of the P-RBC are shown in Figure 21. UAZ monitoring wells P002U, P003L, P003U, and PMP008DL have decreasing tritium concentration trends since 2007. UAZ monitoring wells P003L, PMP004DL, and PMW005DL had 1Q24 tritium concentrations that exceeded the MCL of 20 pCi/mL and have historically exhibited tritium concentrations greater than the MCL. The tritium concentration at

monitoring well PMP004DL has remained consistent ~150 pCi/mL since 2009, with the exception of 1Q20 and 1Q21 when concentrations rose to 364 pCi/mL and 232 pCi/mL, respectively. The latest result at PMP004DL was 129 pCi/mL. Monitoring well P003L has experienced a significant increase in tritium concentration since 2014. Results from the three sampling events between August 2007 and June 2014 for P003L were all non-detect (below the method detection limit [MDL]; MDL was ~0.6 pCi/mL) before rising to 1,320 pCi/mL in April 2019. The 1Q24 result was 808 pCi/mL and is an indication that the tritium plume is moving vertically downward in the UAZ, as the P003L monitoring well is screened just above the TCCZ that separates the UAZ and LAZ.

The PRSB OU was a recognized source of tritium contamination to groundwater in the PAGW OU. The basins were remediated in 2005 and monitoring of the PRSB OU impact to groundwater is included with the overall PAGW OU monitoring. Groundwater monitoring wells PSB 1A, PSB 2A, PSB 3A, PSB 4A, PSB 7A, PSB 11, PSB002DL, PSB003DL, and PSB011DL are in the vicinity of the PRSB for monitoring tritium impacts to the UAZ. Figure 22 shows the time-series plots for these wells, which all demonstrate a decreasing trend following the reactor being taken offline in 1987. PSB002DL, PSB003DL, and PSB0011DL are placed nearby PSB 2A, PSB 3A, and PSB 11, respectively. The “DL” designated wells are screened deeper in the UAZ. Results in the shallower wells have rebounded above the tritium MCL of 20 pCi/mL, remaining above the MCL in 1Q24 at PSB 2A (29.8 pCi/mL) and PSB 3A (53.6 pCi/mL). PSB 4A also increased in 1Q23 sampling to 42.1 pCi/mL and decreased in 1Q24 to 0.852 pCi/mL. Like the PRDB, increases in these shallow UAZ monitoring wells are likely related to the increased rainfall, and the rising water table elevations. Results in the deeper wells within the UAZ show significantly higher tritium concentrations with a maximum of 2,030 pCi/mL in PSB011DL. The deeper UAZ wells have consistently had decreasing trends in tritium concentrations.

3.3.1.2 Lower Aquifer Zone

There are two tritium plume areas in the LAZ, shown in Figure 23. The largest plume originates just northwest of the PRSB OU and extends northwest toward upper Steel Creek. There is no surface water discharge associated with this plume, based on its depth below ground surface relative to surface water elevations, and recent data from shallow well points PSC005 and PSC006. The aerial extent of the plume with concentrations above the MCL is ~7.2 ha (17.8 ac) and is

~550 m (1,800 ft) in total length and ~150 m (500 ft) at its widest. The maximum tritium concentration detected in the largest PAGW OU LAZ plume between April 2023 and March 2024 was 8,950 pCi/mL at monitoring well PSB002B located at the PRSB. LAZ monitoring wells PSB002B, PSB002C, PSB011B, PSB011C, PGW027C, and PGW027DL are contained within this plume and are presented as time-series plots in Figure 24. For these wells, the “DL” designated well is screened shallower than the “C” designated well, and the “B” designated well is screened the deepest. The consistent decrease in tritium concentration at PSB002C combined with the initial increase in concentration at PSB002B provide evidence of downward vertical migration of tritium through the unit. This is also evident in PSB011B, which has an increasing trend since August 2014. The 1Q23 tritium data at PSB011 cluster monitoring wells were anomalous with all results less than 1.06 pCi/mL. 1Q24 tritium results at the PSB011 cluster monitoring wells returned to expected trends. The 1Q23 data is reported in time-series plots, however this anomaly is noted. Overall, tritium concentrations in the LAZ groundwater have remained elevated with consistent trends; however, the LAZ tritium plume does not discharge to surface water and does not present a surface water impact at this time.

A second tritium plume in the LAZ exists beneath the center of P Area facility area, originating around the PRDB and along the P-RBC, and extends primarily to the northeast toward PAR Pond. The plume originates and is most significant around monitoring well PDB003C and is most likely a result of downward migration of tritium from the overlying UAZ. This is likely due to P-RBC construction activities, which included backfilling the area surrounding the building foundation and footers with a sandy soil which allows for easier vertical migration. Monitoring well PGW024B bounds the plume to the northeast, and monitoring wells PRB005C and PGW025B bound the plume to the northwest (Figure 23). Time-series plots are shown in Figure 25 for these monitoring wells. The aerial extent of this plume is ~4.7 ha (11.5 ac) and extends ~280 m (920 ft) to the northeast and ~305 m (1,000 ft) to the northwest. The maximum 1Q24 detection in this plume was 75.1 pCi/mL in PDB003C.

Independent of the two larger tritium plumes, tritium was also detected above the MCL at PGW026C, with a 1Q24 concentration of 36.1 pCi/mL.

3.3.1.3 Gordon Aquifer Unit

Tritium has historically been detected in the uppermost portion of the GAU at monitoring well PSB002AA. Concentrations have increased slightly since June 2011 (5,130 pCi/mL), with a 1Q24 result of 5,720 pCi/mL. The presence of tritium in this well is due primarily to a prominent downward migration of contamination at the PSB 2 well cluster site located at the PRSBs (Figure 19). Groundwater samples were collected throughout the GAU at borings near and around the PRSBs during two separate investigations with no detections of tritium. Based on the outcome of these investigations, additional GAU monitoring wells were installed around this location to monitor the movement of the tritium plume. However, installation of the new wells was completed at a depth relative to the depth tritium was observed at PSB002AA. At the time, tritium was not observed at greater depths and it was believed any future detection would be observed at depths similar to the tritium observed at PSB002AA. Currently, none of the surrounding wells demonstrate elevated levels of tritium, indicating very limited lateral extent as shown in Figure 26. The GAU plume is shown in Figure 26. In 2014, a well screened deeper in the GAU, PSB002AL, was installed and first sampled in 2014. Tritium concentrations at PSB002AL remained below the MCL (20 pCi/mL) from 2014 until 1Q20 (Figure 27). Then concentrations increased from 47.0 pCi/mL to 68.4 pCi/mL in 1Q22, indicating vertical migration across the aquifer units. The 1Q24 result at PSB002AL was 28.3 pCi/mL. At the base of the GAU, the Meyers Branch Confining Unit, consisting of thick, dense clay beds, would preclude any further vertical migration of tritium into deeper water-bearing aquifer units. The lack of detection of tritium in nearby GAU monitoring wells could be attributed to increased horizontal groundwater flow rate, dilution/dispersion, and radioactive decay. However, there are no other GAU monitoring wells completed as deep as well PSB002AL. Time-series plots for PSB002AA and PSB002AL are provided in Figure 27.

3.3.1.4 Surface Water

The tritium contaminant plume in the UAZ of the PAGW OU is impacting a nearby section of upper Steel Creek, upgradient of L Lake. The UAZ tritium plume is the only aquifer zone currently discharging to upper Steel Creek. There are five surface water stations and ten shallow groundwater wells included in the monitoring plan for assessing impact to upper Steel Creek (Figure 28). Overall, tritium surface water concentrations have been observed above the MCL at all locations, but have a decreasing trend since 2012 (Figure 29). Surface water station SC-03

increased in 1Q20 with a concentration of 518 pCi/mL but has since declined to 139 pCi/mL in 1Q24. Surface water station SC-08 was installed in 2018 with a tritium result of 52.5 pCi/mL in February 2018. In 1Q24, SC-08 concentrations decreased below the MCL for the first time since installation with a result of 18.1 pCi/mL. The surface water trends are consistent with groundwater monitoring well trends for the distal area. Surface water samples collected below the L Lake dam show tritium concentrations below screening criteria, with fourth quarter 2022 and 2023 results of 2.30 pCi/mL and 2.01 pCi/mL, respectively.

Surface water tritium concentrations indicate the tritium plume is impacting upper Steel Creek from P Area to L Lake. In order to better define the groundwater impact to upper Steel Creek, sampling at ten newly installed shallow monitoring wells began in 2019. Due to the extreme terrain associated with the P-Reactor discharge canal, an egress trail to accommodate all-terrain vehicles and support sampling activities was constructed and completed in January 2023 (Figure 30). Well cluster PSC003 is shown in the upper right portion of the figure. Directly across from well cluster PSC003, within the ponded area, is where surface water SC-03 is located. Concentrations in PSC002, PSC005, and PSC006 well pairs for 1Q24 were at the practical quantitation limit (PQL) (~1 pCi/mL). Detections in PSC003 and PSC004 well pairs were consistent with levels observed in upper Steel Creek, providing evidence that impact is constrained to a small area around SC-03 (Figure 28).

3.3.2 Trichloroethylene

TCE was detected in 42 samples from 83 locations sampled between April 2023 and March 2024 for the PAGW OU. Of these detects, 26 were in the UAZ, 14 were in the LAZ, and two were in surface water. MCL exceedances were seen in 14 of 50 samples in the UAZ, 12 of 28 samples in the LAZ, and one of five samples in surface water. TCE exceedances are summarized in Table 3 and 4. Time-series plots are provided in Appendix C for TCE at all monitoring network locations.

3.3.2.1 Upper Aquifer Zone

Data from soil borings analyzed in support of the 2018 SAP Addendum investigation of the distal portion of the cVOC plumes was included with well data to expand on TCE groundwater plume size and impact. The TCE plume in the UAZ is shown in Figure 31. The plume extends west from PSA-3A toward upper Steel Creek, following groundwater flow direction, where it discharges

between PSC002 and PSC004. The plume discharges along ~82.3 m (270 ft) of the creek around SC-03. The plume extent above the MCL in the UAZ encompasses an area of ~8.32 ha (20.6 ac), is ~760 m (2,500 ft) in total length and is ~245 m (800 ft) at its widest. In 1Q24, the maximum TCE concentration (5,240 ug/L) was detected in the neck area of the UAZ plume at monitoring well P003L. Monitoring well PGW026DL, in the distal area of the plume, consistently represents the highest TCE concentrations in the PAGW OU with a 1Q24 result of 4,830 ug/L. Figure 32 shows the trace for cross-section B-B', shown in Figure 33 for the TCE plume and subsurface in P Area. Cross-section plume delineations for TCE were developed using well data and conservative estimates based on soil sample results, which are typically biased high. Results of the 2018 SAP Addendum soil investigation indicated the bulk of the TCE mass in the UAZ is found entrained in low-permeability sediments and therefore is not in groundwater impacting upper Steel Creek. However, over time the higher cVOC concentrations will diffuse out of the low-permeability sediments into groundwater thereby continuing to contribute to the groundwater plumes.

The TCE plume in the UAZ emanated from PSA-3A (Figure 34) with concentrations in nearby groundwater monitoring wells PAO001DU, PAO002DU, PAO002DL, and PMW001DL observed having a decreasing trend since remediation of PSA-3A in 2011 (Figure 35) (SRNS 2013a). PAO002DL currently has the highest observed TCE concentration at 103 ug/L downgradient of the former source area while PAO001DU, which is located at the former source area, typically is below detection. In 1Q24, TCE was detected in PAO001DU with a result of 1.07 ug/L. Southwest of PSA-3A toward upper Steel Creek, monitoring wells P002U, P003U, and P003L monitor TCE in the neck area of the plume. TCE concentrations in the "U" designated wells have been decreasing since 2014 with current levels around 500 ug/L at P003U (Figure 36). TCE concentration at P002U has decreased sharply below the TCE MCL of 5 ug/L with a 1Q24 result of 4.96 ug/L. Data reported for monitoring wells P002U, P003U, and P003L includes PAGW OU long-term monitoring sampling (January 2024 for 1Q24) as well as effectiveness monitoring sampling for the ZVI-PRB (February 2024 for 1Q24). Long-term monitoring data for the PAGW OU is posted in plume figures for consistency. The decrease in TCE concentrations at P002U is likely in response to the NTC RA ZVI-PRB installed in 2019. However, concentrations in P003L, located just upgradient of the NTC RA ZVI-PRB, have increased significantly since 2014 with a

1Q24 result of 5,240 ug/L, which is likely due to matrix diffusion from low permeability zones within the area. All three wells are screened in the UAZ, with the “U” designation being screened shallower than the “L” designations. The trends of the P003 well pair suggests vertical migration of TCE deeper into the UAZ (Figure 36). Performance of the ZVI-PRB is being monitored and is reported separately in the annual PAGW OU NTC RA EMR.

The plume extent in the distal area is extensive, with the most significant TCE mass in the central portion at monitoring well PGW026DL, which recorded a concentration of 4,830 ug/L in the most recent sampling event. Levels have been stable at PGW026DL since 2011 (Figure 37), with a slight decrease in the 1Q23 and 1Q24 sampling events. On the northwestern edge of the TCE plume, ~168 m (550 ft) upgradient from SC-03, PGW014DU has increased, returning to levels observed in 2014 with a 1Q24 result of 207 ug/L. This increase indicates the TCE plume is slowly extending in aerial extent towards Steel Creek but observed concentrations in surface water have not increased as a result.

3.3.2.2 Lower Aquifer Zone

Data from soil borings analyzed in support of the 2018 SAP Addendum investigation of the distal portion of the cVOC plumes was included to expand on TCE groundwater plume size and impact. The TCE plume in the LAZ is shown in Figure 38. Like the UAZ, the plume originated from PSA-3A, which sits atop a groundwater divide. From PSA-3A, the plume extends southwest toward upper Steel Creek and extends northeast toward PAR Pond, following groundwater contours in both directions. The LAZ plume does not currently discharge to surface water, based on its depth below ground surface relative to surface water elevations, and recent data from shallow well points PSC005 and PSC006. The plume extent above the MCL encompasses an area of ~11.8 ha (29.2 ac). The TCE plume extends ~610 m (2,000 ft) to the southwest with a maximum width of ~215 m (700 ft). To the northeast, the plume extends ~500 m (1,640 ft) with a maximum width of ~140 m (460 ft). The maximum TCE concentration (5,980 ug/L) was detected in the distal portion of the LAZ plume in 1Q24 at well PGW026C. In the northeast direction, the maximum detection was at monitoring well PGW030B (3,670 ug/L).

Monitoring well PGW025B is just northwest (~80 m [260 ft]) of PSA-3A and TCE concentrations have remained consistent around 6,000 ug/L, with a decrease in the 1Q24 result of 4,180 ug/L.

Concentrations at PGW025B have remained relatively stable over the last 18 years, while the UAZ wells of the PGW025 cluster show a more significant decrease over the same time period (Figure 39).

To the southwest, the TCE plume expands outward in the distal area. Distal area monitoring wells PGW014C, PGW026B, and PGW027C are all experiencing increasing trends since 2010 indicating vertical movement of the TCE from the overlying UAZ into the LAZ and diffusion of TCE from low-permeability sediments. TCE levels in distal area well PGW026C and PGW027DL are relatively stable with 1Q24 detections of 5,980 ug/L and 1,480 ug/L, respectively (Figure 40). TCE is not detected in the furthest LAZ monitoring well, PGW016B, indicating the plume has not extended to this furthest monitoring location.

To the northeast, groundwater flow is relatively slow and the majority of TCE mass in the plume is within 170 m (550 ft) of PSA-3A. Monitoring wells PRB005C, PGW030B, PGW029C, PGW031B, PGW031C, and PGW024B recorded detections above the MCL (5 ug/L). Observed concentrations trends of these wells are slightly increasing, providing evidence of downward vertical migration from the UAZ (Figure 41).

In summary, TCE in the LAZ is primarily migrating vertically, with concentrations increasing deeper in the aquifer. TCE migration horizontally in the LAZ is parallel to upper Steel Creek and therefore is not anticipated to discharge to surface water in the near term. Based on previous characterization activities in PAGW OU and supported by TCE concentrations in the LAZ monitoring data, the current LAZ TCE plume extent is deeper than surface water at Steel Creek. It is expected that the LAZ TCE plume will continue to follow the LAZ groundwater flow direction and eventually discharge to Steel Creek around the PSC006 shallow groundwater monitoring well cluster and surface water station SC-04. At this time, impact is not observed at these stations. TCE in the LAZ to the east of P Area is not impacting surface water and not expected to impact PAR Pond in the near term.

3.3.2.3 Gordon Aquifer Unit

Previous characterization activities in the GAU did not determine any evidence of cVOCs in the GAU. The 2018 SAP Addendum did not include the GAU in long-term monitoring and reporting

for cVOCs. SRS sampled for cVOCs in 1Q24 at PSB011A, which is the closest GAU monitoring well to the LAZ TCE plume. Results for PCE, TCE, cis-1,2-dichloroethylene (cis-DCE), trans-1,2-dichloroethylene, and chloroethylene (vinyl chloride) were all below detection at PSB011A.

3.3.2.4 Surface Water

A TCE plume in the PAGW OU is impacting a small section of upper Steel Creek near surface water station SC-03. The UAZ is the only aquifer zone currently discharging to upper Steel Creek with concentrations of TCE. There are five surface water stations included in the monitoring plan for assessing impact to upper Steel Creek (Figure 42). Surface water stations SC-03 and SC-04 are the only stations detecting TCE above the MDL. At SC-04, located about 460 m (1,500 ft) downstream of SC-03, TCE concentrations are consistently below the MCL. The 2018 SAP Addendum work determined that a small section of upper Steel Creek is impacted near SC-03 and that detected TCE at SC-04 was associated with TCE in surface water from the outcropping TCE plume at SC-03 that had not yet completely volatilized. Station SC-03 detections have remained stable around 15 ug/L since 2006 with a 1Q24 result of 18.6 ug/L (Figure 43).

In order to better define the groundwater impact to upper Steel Creek, sampling at ten newly installed shallow well points began in 2019. Results from the most recent sampling event indicate levels in wells PSC002D1, PSC004D1, PSC005D1, PSC005D2, PSC006D1, and PSC006D2 were below the MDL. The 1Q24 results at PSC002D2 and PSC003D1 were above the MDL, but below the PQL with estimated results of 0.87 ug/L and 0.73 ug/L, respectively. Concentrations of TCE above the PQL were detected in PSC003D2, and PSC004D2, providing evidence that impact is constrained to a small area around SC-03 (Figure 42). Observed TCE concentrations at SC-04 are associated with outcropping TCE contaminated groundwater at SC-03 and subsequent travel with surface water downstream to this location.

3.3.3 Additional Screening Level Exceedances

In addition to tritium and TCE exceedances, there were 18 detections in additional analytes above their respective screening levels for 1Q24. The screening level exceedances are highlighted in Appendix B and summarized in Table 4. Of the additional analyte exceedances, 16 were cVOC exceedances, PCE, cis-DCE, and vinyl chloride, which are generally collocated with the TCE plumes of the UAZ and LAZ.

3.3.3.1 PCE Exceedance

PCE contamination is mainly found related to releases associated with PSA-3B, and a “hot-spot” observed along Road F outside of P Area at UAZ groundwater monitoring well PGW034DL (Figure 44). There is no evidence of an existing source to this independent PCE plume. Previous groundwater investigations in P Area, specifically at PSA-3B, defined the extent of PCE groundwater contamination to a small area with no connection between PSA-3B and the “hot-spot” observed at PGW034DL. Figure 45 provides a time-series plot for PCE at PGW034DL indicating persistent PCE concentrations from 2016 to present which are not increasing.

3.3.3.2 Cis-DCE Exceedance

Minor amounts of cis-DCE are co-located as a degradation product of TCE and PCE. To illustrate this, Figures 46 and 47 show time-series plots for UAZ monitoring wells P003L and PGW026DL, respectively, depicting detections of TCE and PCE with cis-DCE. Incomplete dechlorination of TCE and PCE is observed in groundwater at the PAGW OU due to the aquifers being highly aerobic and not lending to complete degradation.

3.3.3.3 Potential Source Area 3B

In the vicinity of PSA-3B, concentrations for all cVOCs at PGW029DL are following a decreasing trend after SVE treatment of PSA-3B with PCE concentrations having decreased over 98% (Figure 48). Current PCE levels at PGW029DL are trending down while levels at PAO003DU, located at the source, stabilized around 70 ug/L from first quarter of 2015 to first quarter of 2020, and then increased to 207 ug/L in 1Q24 (Figure 49). Confirmation sampling concluded the remedial objectives were met at the PSA, however, residual contamination remains in low permeability zones at the source area with matrix diffusion likely contributing to the PCE increase at PAO003DU (SRNS 2013a).

3.3.3.4 P-Reactor Seepage Basins

Associated with the process sewer line leak east of the PRSBs, strontium-90 has been detected in past sampling events at shallow monitoring wells in the area. Sr-90 results in PRSB monitoring wells have been below MDLs since long-term monitoring began in 2019, with one exception in 1Q23 (13.9 pCi/L at PSB 1A). The 1Q23 result exceeded the Sr-90 MCL of 8.0 pCi/L. The 1Q24

Sr-90 results were all below the MDL, including at location PSB 1A. MDLs for Sr-90 vary between sampling events, but have consistently been below the MCL of 8.0 pCi/L.

3.3.3.5 Potential Source Area 3A

Metals have previously been detected above their screening level in UAZ monitoring well PAO001DU for arsenic and chromium. PAO001DU has consistently exhibited metals above the risk-based screening criteria due to effects from ISCO treatment around PSA-3A. PAO001DU is located within the ISCO treatment zone (Figure 50), where oxidation of the subsurface resulted in the release of naturally occurring metals from subsurface sediments into the groundwater. This was not unexpected and over time concentrations of many of the naturally occurring metals have fallen back to pre-ISCO conditions, except for those discussed here. Data from the downgradient PAO 2 monitoring well cluster indicate no migration of the metals. This suggests the occurrence of the naturally occurring metals as an outcome of the ISCO is limited to the source area at PAO001DU. Figure 51 presents time-series plots for arsenic, chromium, and cobalt at monitoring well PAO001DU from 2010 to 2024. Concentrations of the three metals are trending down to their respective screening levels but have not returned to pre-ISCO concentrations. In 1Q24, the only metal above screening levels was chromium, with a result of 103 ug/L, compared to a MCL of 100 ug/L.

3.3.3.6 RSL Exceedances

Iron was the only constituent with a RSL exceedance in the 2024 reporting period. One monitoring well (P002U, UAZ monitoring well) exceeded the iron RSL of 14 mg/L with a 1Q24 result of 15.0 mg/L. P002U is downgradient of the ZVI-PRB and is sampled for iron to monitor impacts on the PAGW OU from the NTC RA. Iron has decreased from 28.8 mg/L in May 2021 to 15.0 mg/L in January 2024. Discussions of the ZVI-PRB performance are reserved for the annual PAGW OU NTC RA EMR at this time, which is submitted separately from the overall PAGW OU groundwater monitoring report.

4.0 SUMMARY AND RECOMMENDATIONS

This data report presents groundwater data collected for the PAGW OU between April 2023 and March 2024 (inclusive), with plume extents and concentrations developed including soil plug data from 2018 rotosonic borehole characterization. Extensive groundwater plumes exist in the PAGW

OU for tritium and TCE, which are impacting a nearby section of a surface water stream, Steel Creek.

Tritium is primarily present in the UAZ and LAZ of the UTRA, although also detected in three monitoring wells screened in the GAU. Overall, tritium concentrations in the PAGW OU are decreasing due to source removal, dilution/dispersion, and radioactive decay with a half-life of ~12.3 years. However, elevated tritium concentrations are observed at depth in the PSB 2 well cluster, with recent detections in the deeper GAU (PSB002AL) above the MCL (Figure 52), indicating a downward migration of contamination into the deeper portion of the GAU at the PSB 2 location. The GAU tritium contamination was defined through the 2010/2011 and the 2013 investigations of PAGW OU contamination, and the GAU plume does not pose any threat to surface water in the near term. In response to continuing GAU tritium concentrations at the PSB 2 well group, SRS is planning for additional monitoring and characterization in the GAU to support final remedy for tritium in the PAGW OU. In addition to evaluating impact to tritium levels from the PRSB, SRS has initiated sampling for tritium at existing well PDB 4 to evaluate the extent of elevated tritium in the UAZ, originating from the PRDB near PDB 2 where tritium concentrations have increased above the MCL in recent sampling events. SRS proposes to continue monitoring of this well. In order to ensure protection of the environment and human health, continued monitoring for tritium is recommended at this time.

Tritium in the UAZ discharges to Steel Creek near surface water station SC-03 (Figure 28). Surface water of Steel Creek flows into a man-made body of water to the southwest, L Lake. Surface water stations on Steel Creek have decreasing trends in tritium. Station SC-08 is the final surface water station before L Lake and has decreased below the tritium MCL of 20 pCi/mL in the 1Q24 sampling event with a result of 18.1 pCi/mL. L Lake is a large reservoir of water which acts to naturally attenuate (e.g., dilution, radioactive decay, dispersion, etc.) tritium and TCE from Steel Creek. L-Southern Groundwater Operable Unit monitored natural attenuation remedy includes monitoring of L Lake discharge to lower Steel Creek at surface water station SC-27. Tritium and TCE concentrations at this station remain below MCLs (4Q23 tritium 2.01 pCi/mL; 4Q23 TCE non-detect [PQL 1.0 ug/L]).

The TCE plumes in the PAGW OU continue to migrate southwest parallel to upper Steel Creek. However, the majority of TCE mass in the UAZ is entrained in low-permeability sediments with low concentrations in groundwater which is discharging to upper Steel Creek. In the distal area, the TCE plumes have expanded to cover an extensive area based on understandings from the 2018 SAP Addendum work findings. TCE concentrations in the UAZ are remaining stable while LAZ concentrations in the distal area are increasing, indicating that downward vertical migration of TCE in the UTRA over time is occurring. In addition, to provide data relative to the southwest boundary of the distal TCE plume, and other cVOC plumes, to upper Steel Creek, SRS sampled the PSB 11 well group for cVOCs. 1Q24 cVOC results at all PSB 11 group wells were below detection limits, indicating the southwest plume boundary does not extend to the PSB 11 well group.

The UAZ continues to be the only aquifer zone discharging to Steel Creek. Overall TCE impact to Steel Creek has remained stable since 2005 (Figure 43), with concentrations typically between 10 and 20 ug/L at SC-03. Approximately 490 m (1,600 ft) downstream at SC-04, concentrations are just above the PQL (1.0 ug/L) with a 1Q24 result of 1.25 ug/L. No additional recommendations are warranted for Steel Creek at this time. Current monitoring is adequate in the detection and monitoring of plume movement and subsequent impact to Steel Creek.

Monitoring and performance assessment of the NTC RA, which consisted of a ZVI-PRB, is conducted in accordance with the ZVI-PRB Effectiveness Monitoring Plan and will be discussed in the annual EMR for the PAGW OU NTC RA. However, effects on the PAGW OU cVOC plumes will be incorporated into future overall PAGW OU groundwater reports.

Even though PCE concentrations are elevated in the vicinity of PSA-3B in monitoring wells PAO003DU and PGW034DL, no further recommendations are warranted at this time. SRS will continue to sample and monitor concentrations in the wells and evaluate any increases that may warrant further investigation.

This report serves as the third biennial groundwater monitoring report for the PAGW OU. Considering the data presented in this year's report, SRS recommends continuing monitoring and reporting for the PAGW OU as agreed upon in the 2018 SAP Addendum for the PAGW OU. A complete groundwater monitoring report will be submitted biennially, with a data report letter submitted in the off years. The next data report letter will be submitted in late 2025.

5.0 REFERENCES

SRNL, 2010. *Treatability Study Work Plan for Edible Oil and MicroCED Deployment for Enhanced cVOC Attenuation for P Area, Savannah River Site*, SRNL-RP-2009-01054, Revision 1, Savannah River National Laboratory, Savannah River Site, Aiken, SC.

SRNL, 2013. *Year One Summary Report Edible Oil and MicroCED Deployment for Enhanced Attenuation of cVOCs at P Area, Savannah River Site (U)*, SRNL-RP-2012-00792, Revision 1, Savannah River National Laboratory, Savannah River Site, Aiken, SC.

SRNS, 2012. *Post-Construction Report (PCR) for the P-Area Operable Unit (U)*, SRNS-RP-2011-01582, Revision 1, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC.

SRNS, 2013a. *Performance Evaluation Report for the P-Area Operable Unit Potential Source Areas 3A and 3B Subunits*, SRNS-RP-2012-00335, Revision 1, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC.

SRNS, 2013b. *Sampling and Analysis Plan for the P-Area Groundwater Operable Unit (U)*, SRNS-RP-2011-01284, Revision 1, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC.

SRNS, 2018. *Sampling and Analysis Plan Addendum for the P-Area Groundwater Operable Unit (U)*, SRNS-RP-2018-00261, Revision 1, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC.

WSRC, 2002. *Sampling and Analysis Plan for Groundwater Characterization of the P-Reactor Groundwater Operable Unit (OU)*, WSRC-RP-2002-4122, Revision 1, Westinghouse Savannah River Company, LLC, Savannah River Site, Aiken, SC.

WSRC, 2004. *Post-Construction Report for the P-Area Burning Rubble Pit (PBRP) (131-P) (U)*, WSRC-RP-2004-4051, Revision 1, Washington Savannah River Company, LLC, Savannah River Site, Aiken, SC.

WSRC, 2005. *Remedial Investigation (RI) Work Plan for P-Area Operable Unit (U)*, WSRC-RP-2005-4081, Revision 1.1, Westinghouse Savannah River Company, LLC, Savannah River Site, Aiken, SC.

WSRC, 2006. *Post-Construction Report (PCR)/Final Remediation Report (FRR) for the P-Reactor Seepage Basins (U)*, WSRC-RP-2005-4088, Revision 1, Westinghouse Savannah River Company, LLC, Savannah River Site, Aiken, SC.

WSRC, 2008. *RCRA Facility Investigation/Remedial Investigation (RFI/RI) Report with Baseline Risk Assessment and Corrective Measures Study/Feasibility Study (CMS/FS) for the P-Area Operable Unit (U)*, WSRC-RP-2007-4032, Revision 1.2, Westinghouse Savannah River Company, LLC, Savannah River Site, Aiken, SC.

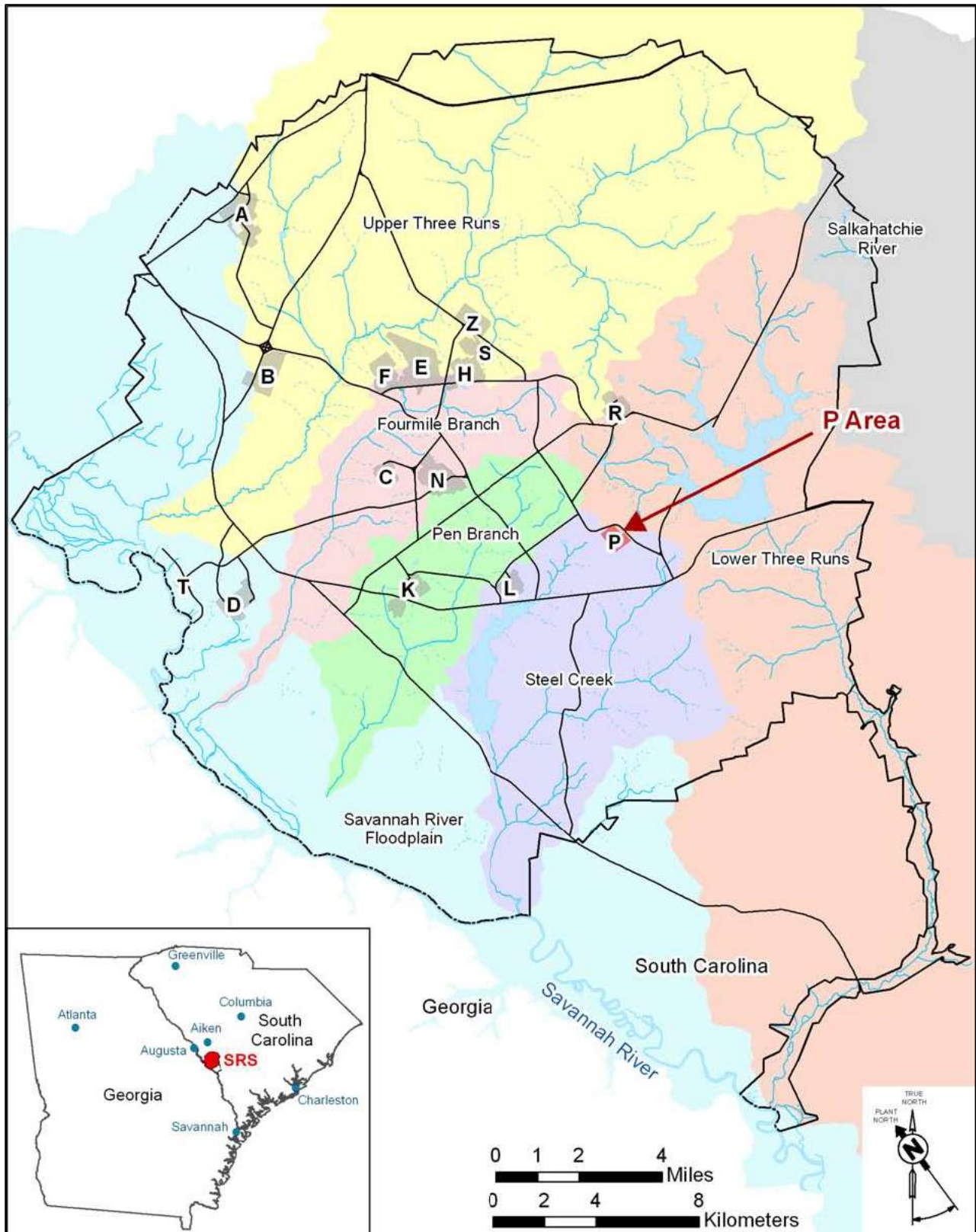


Figure 1. Location of P Area at Savannah River Site

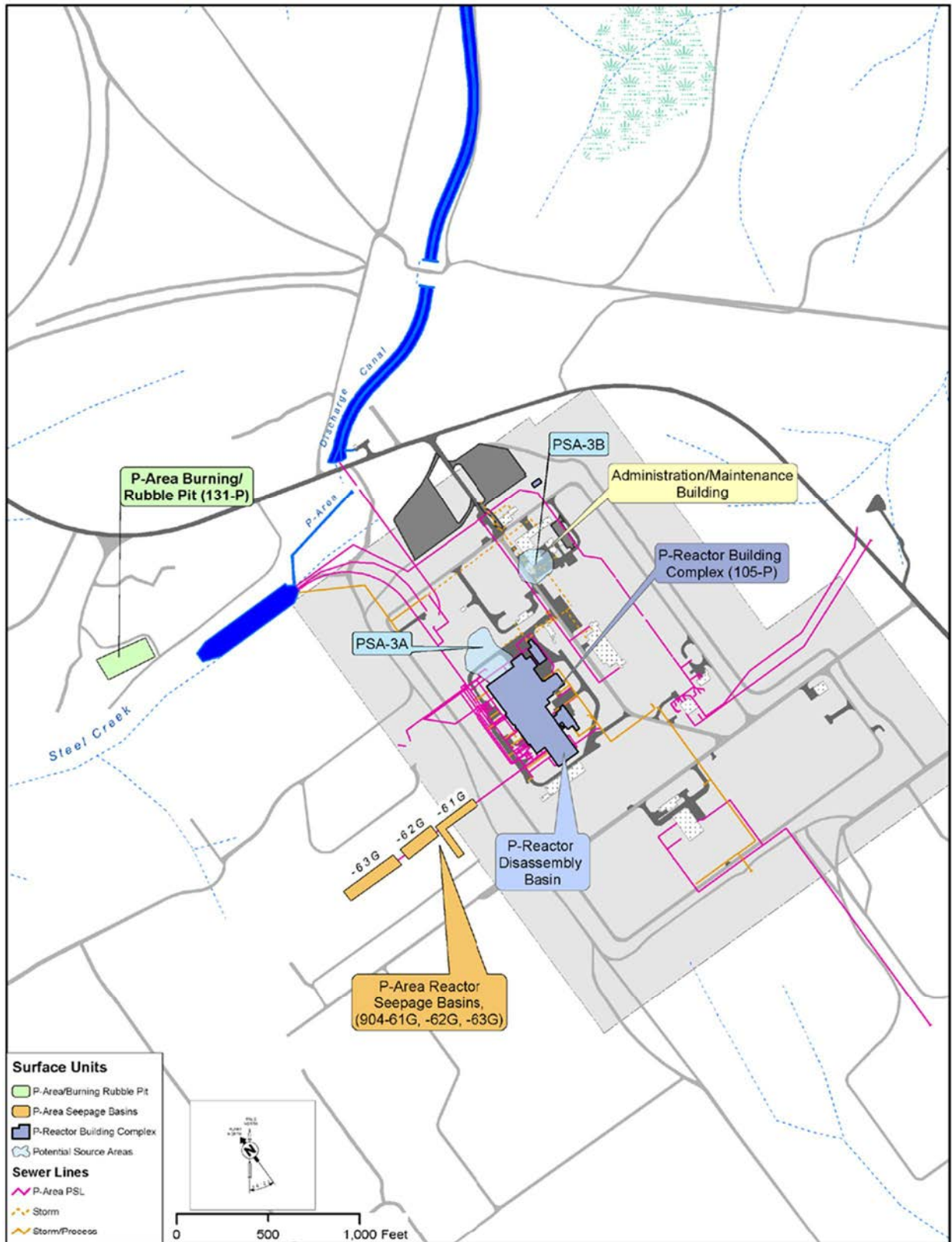


Figure 2. Locations of Sources to Groundwater Contamination

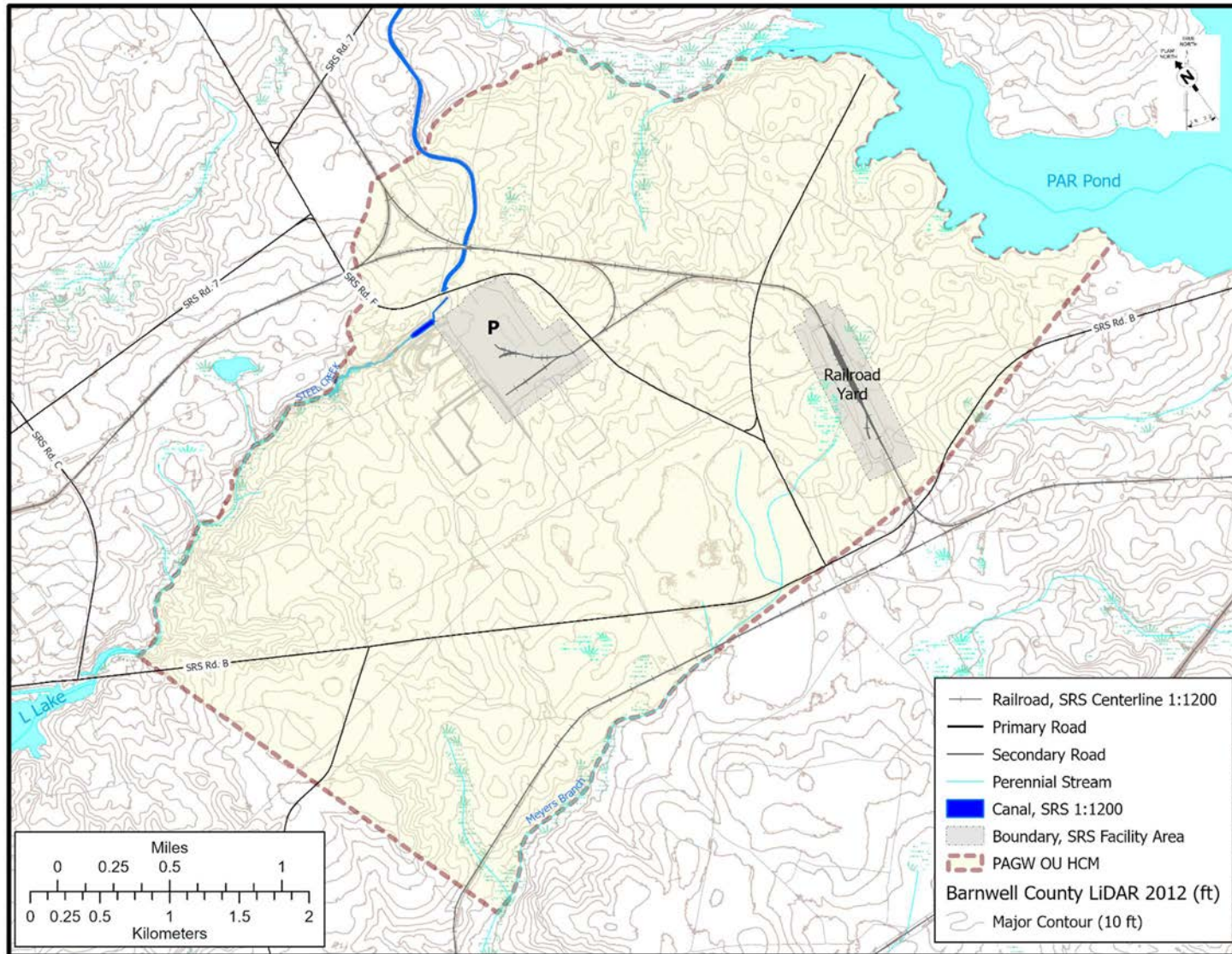


Figure 3. P-Area Groundwater Operable Unit Boundary

This page intentionally left blank.

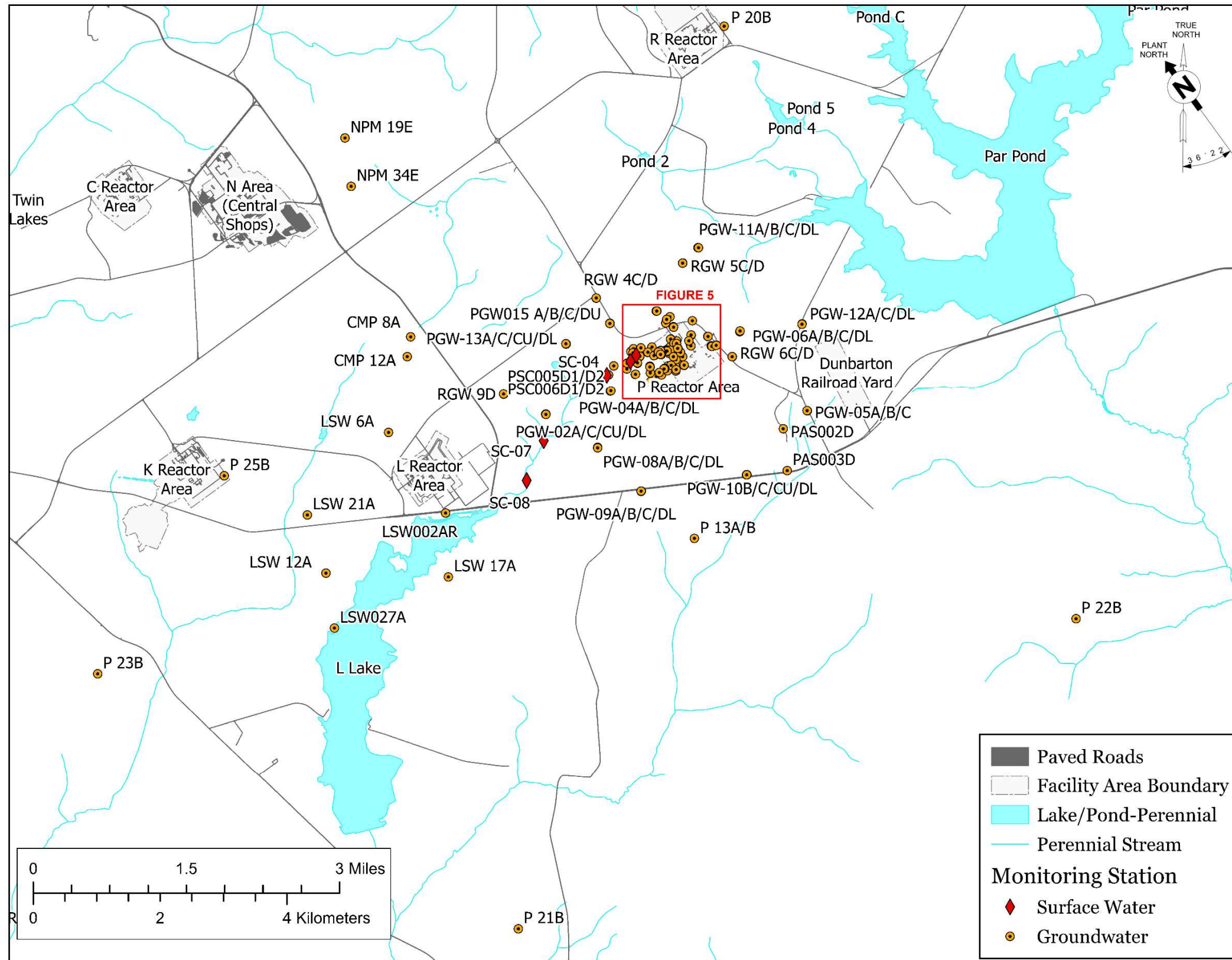


Figure 4. Monitoring Network Locations for P-Area Groundwater Operable Unit

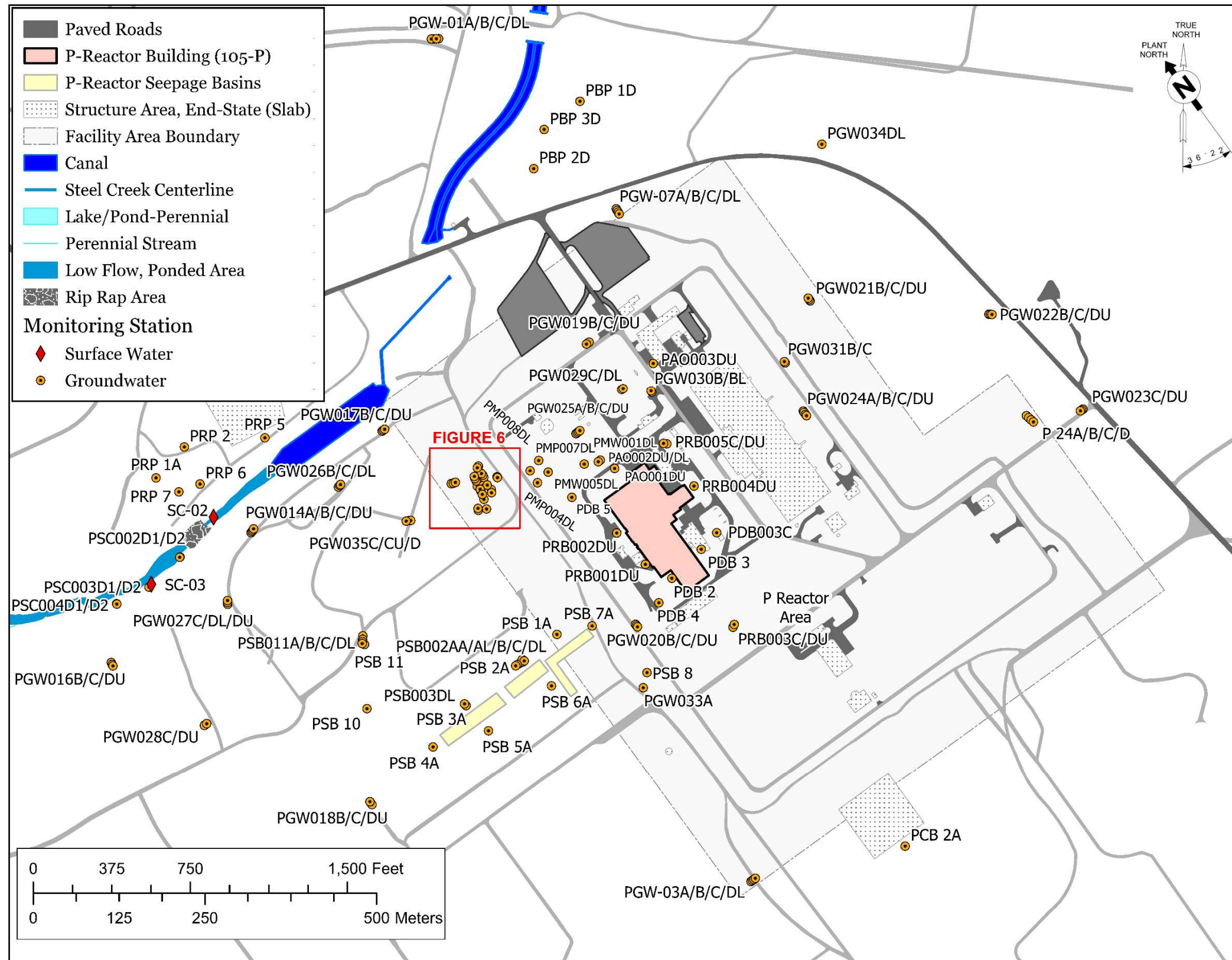


Figure 5. Monitoring Network Locations for P-Area Groundwater Operable Unit (Continued)

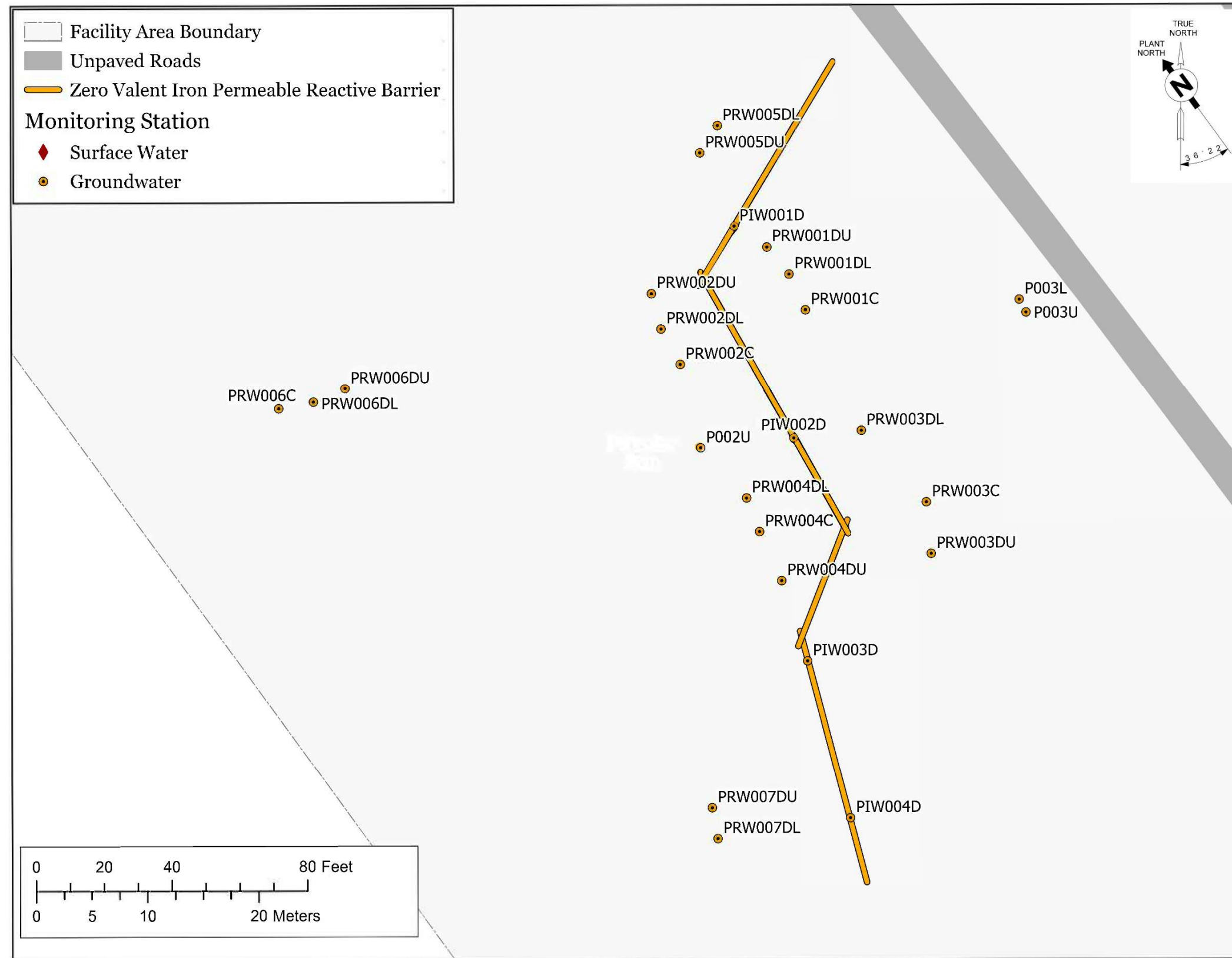


Figure 6. Monitoring Network Locations for P-Area Groundwater Operable Unit (Continued/End)

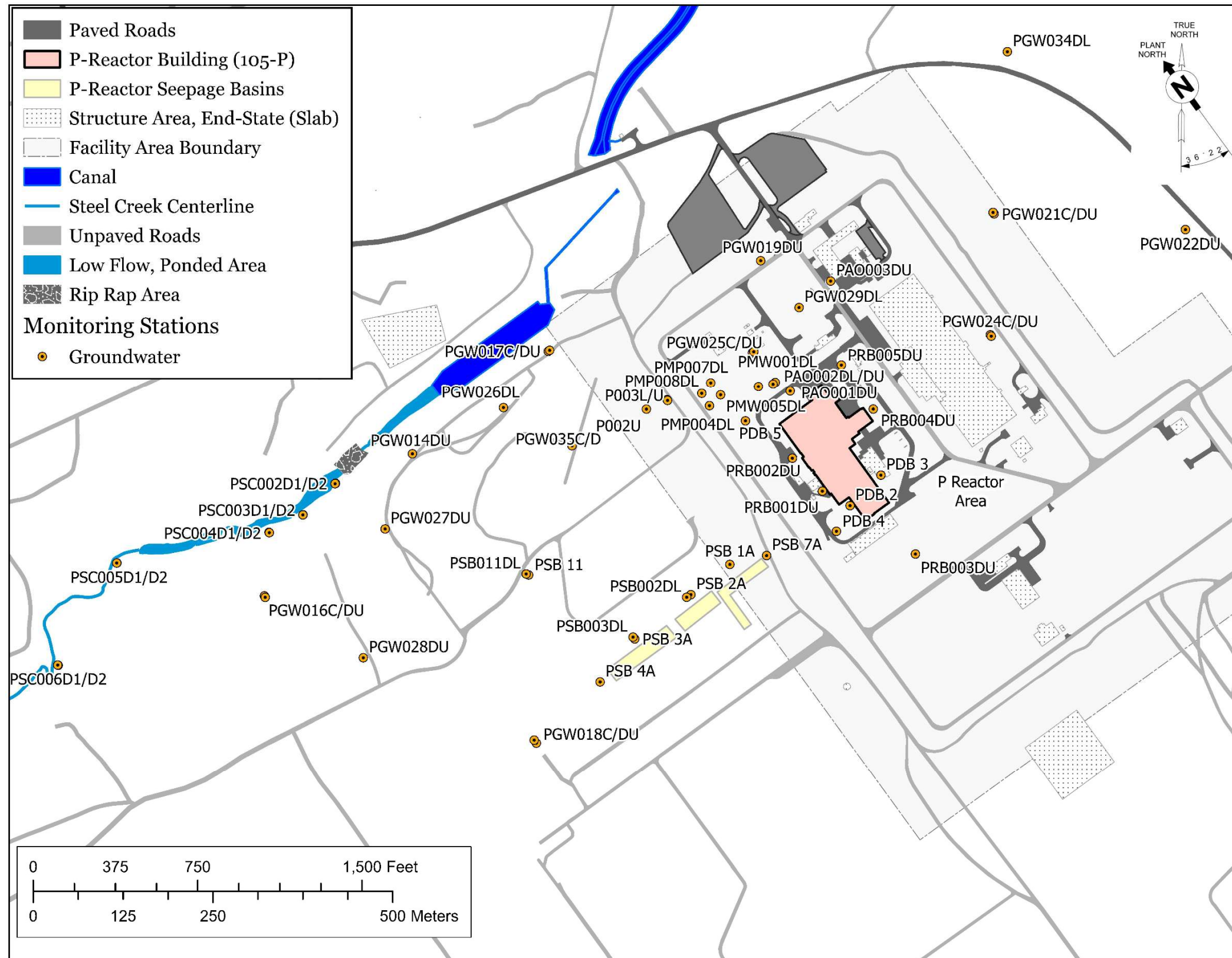


Figure 7. Monitoring Well Network for the Upper Aquifer Zone Analytical Results

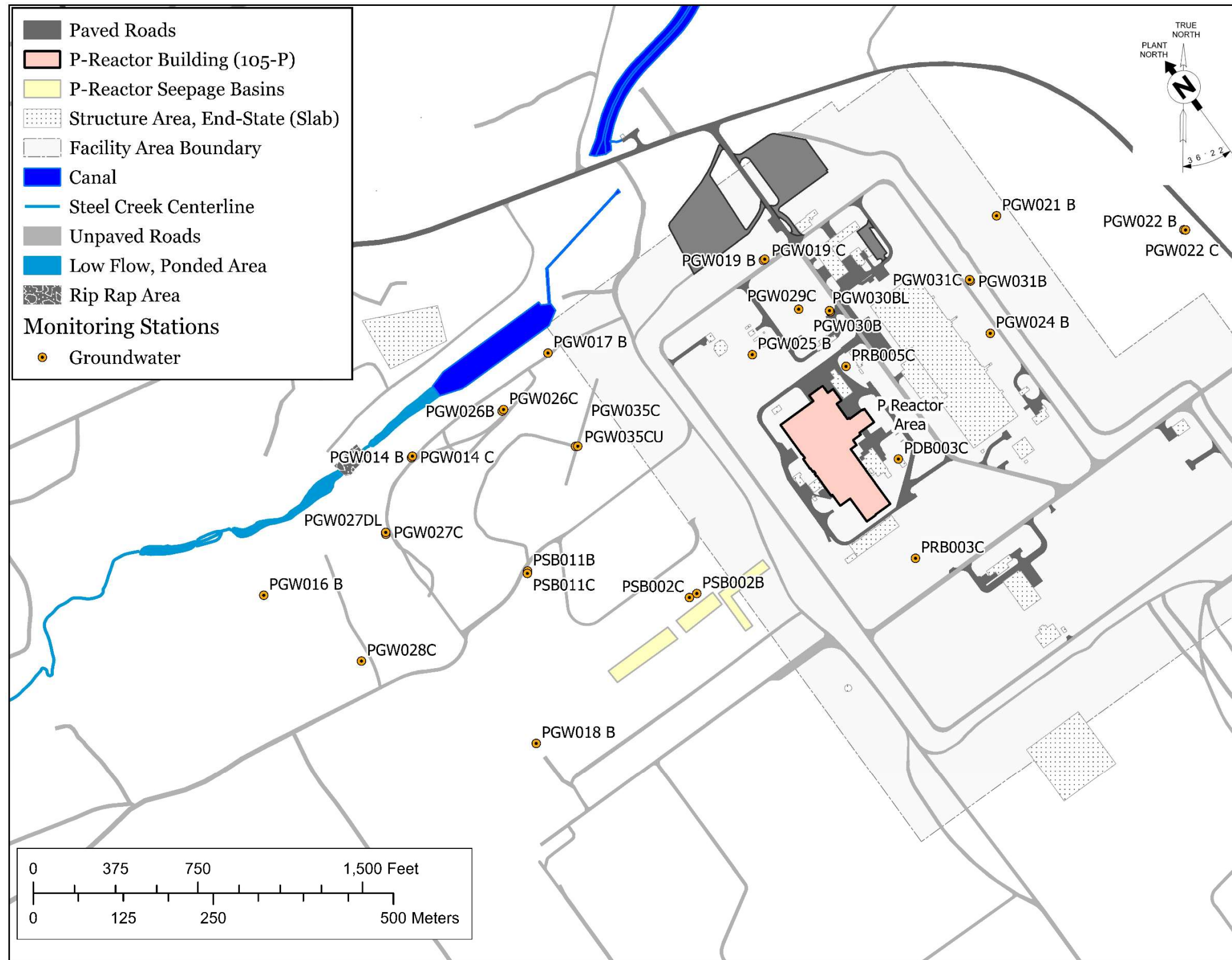


Figure 8. Monitoring Well Network for the Lower Aquifer Zone Analytical Results

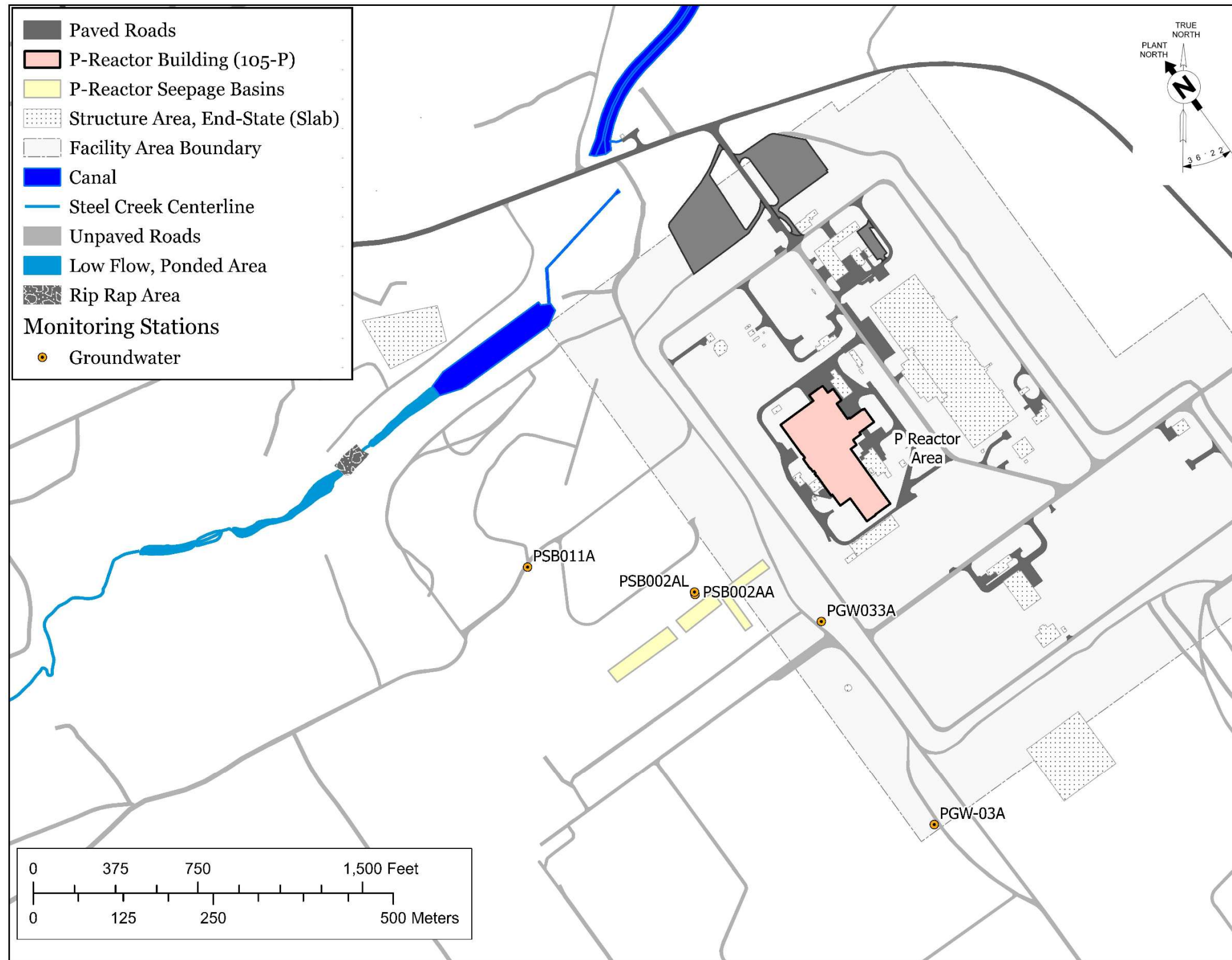


Figure 9. Monitoring Well Network for the Gordon Aquifer Unit Analytical Results

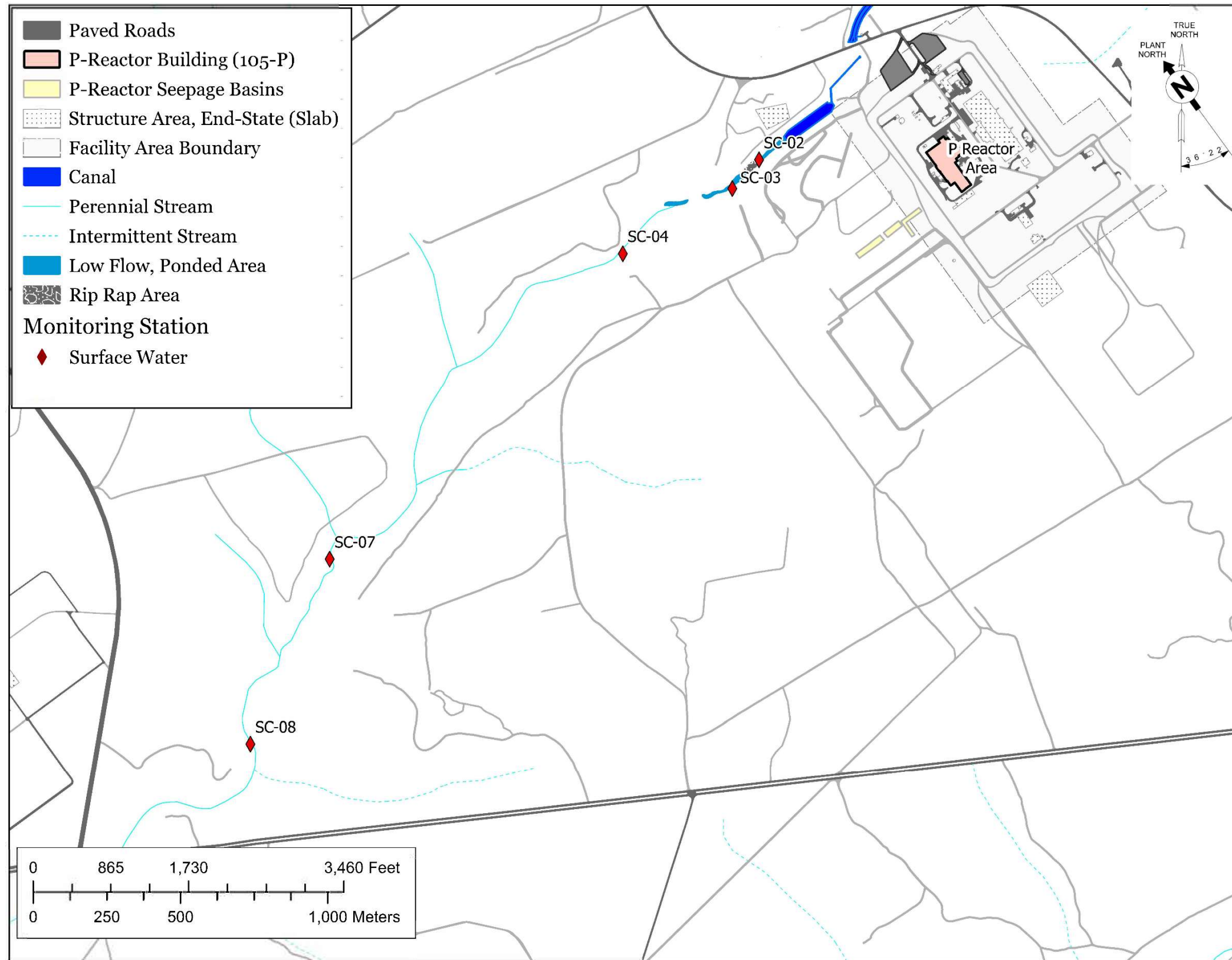


Figure 10. Surface Water Monitoring Station Network

This page intentionally left blank.

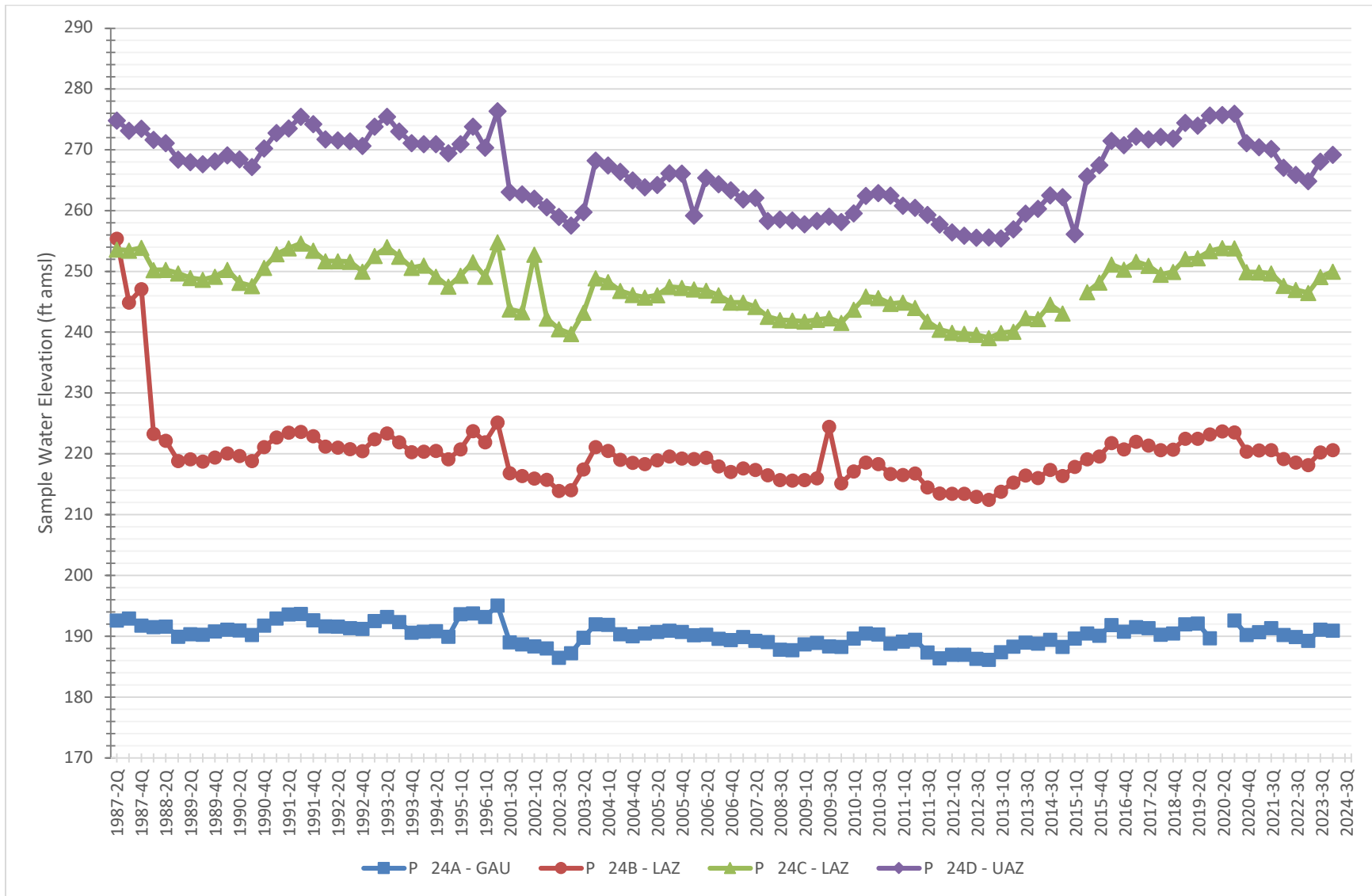


Figure 11. Typical Trend of Water Levels at the P Area, P 24 Well Cluster

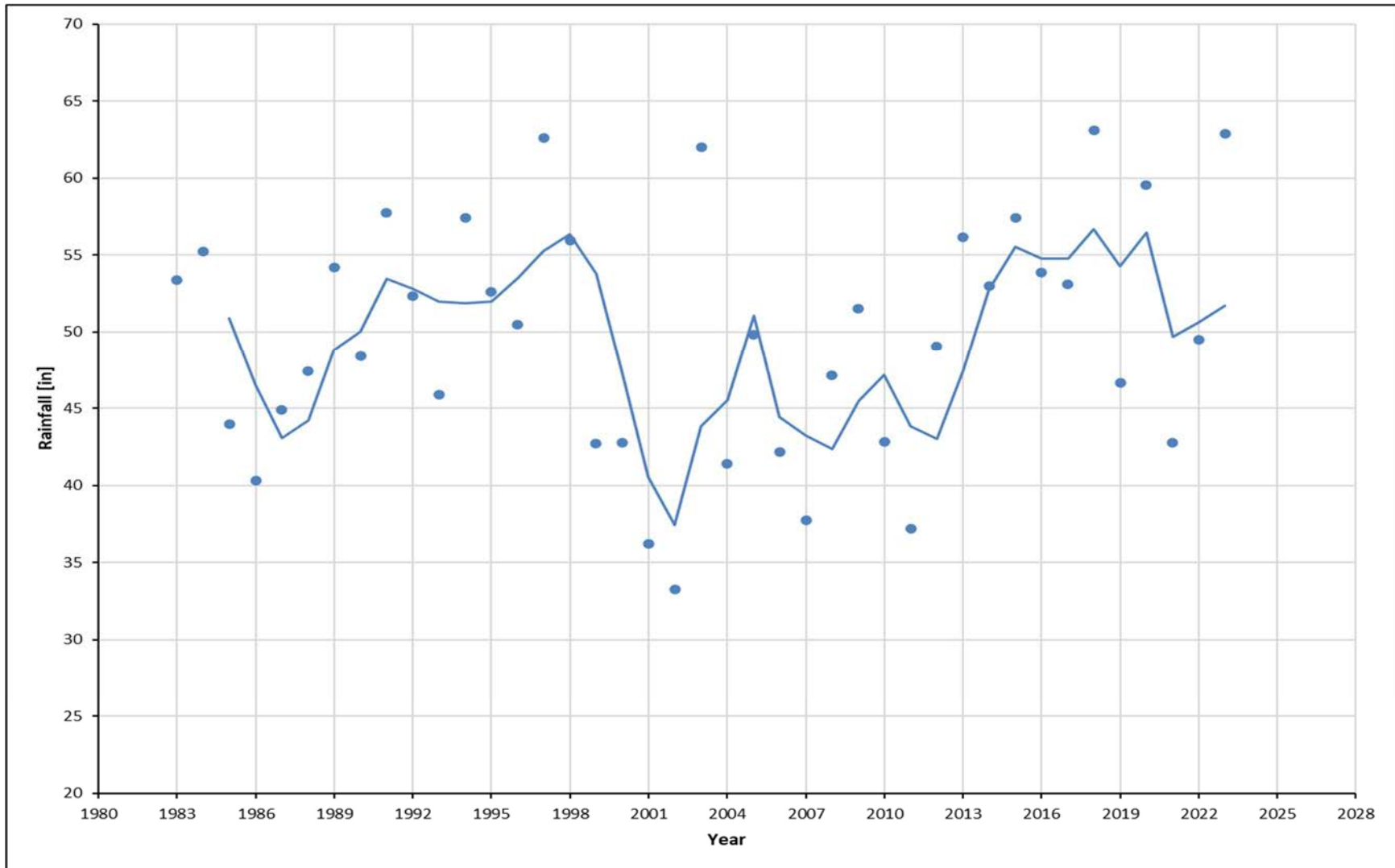


Figure 12. Annual Rainfall for P Area with Three Point Moving Average

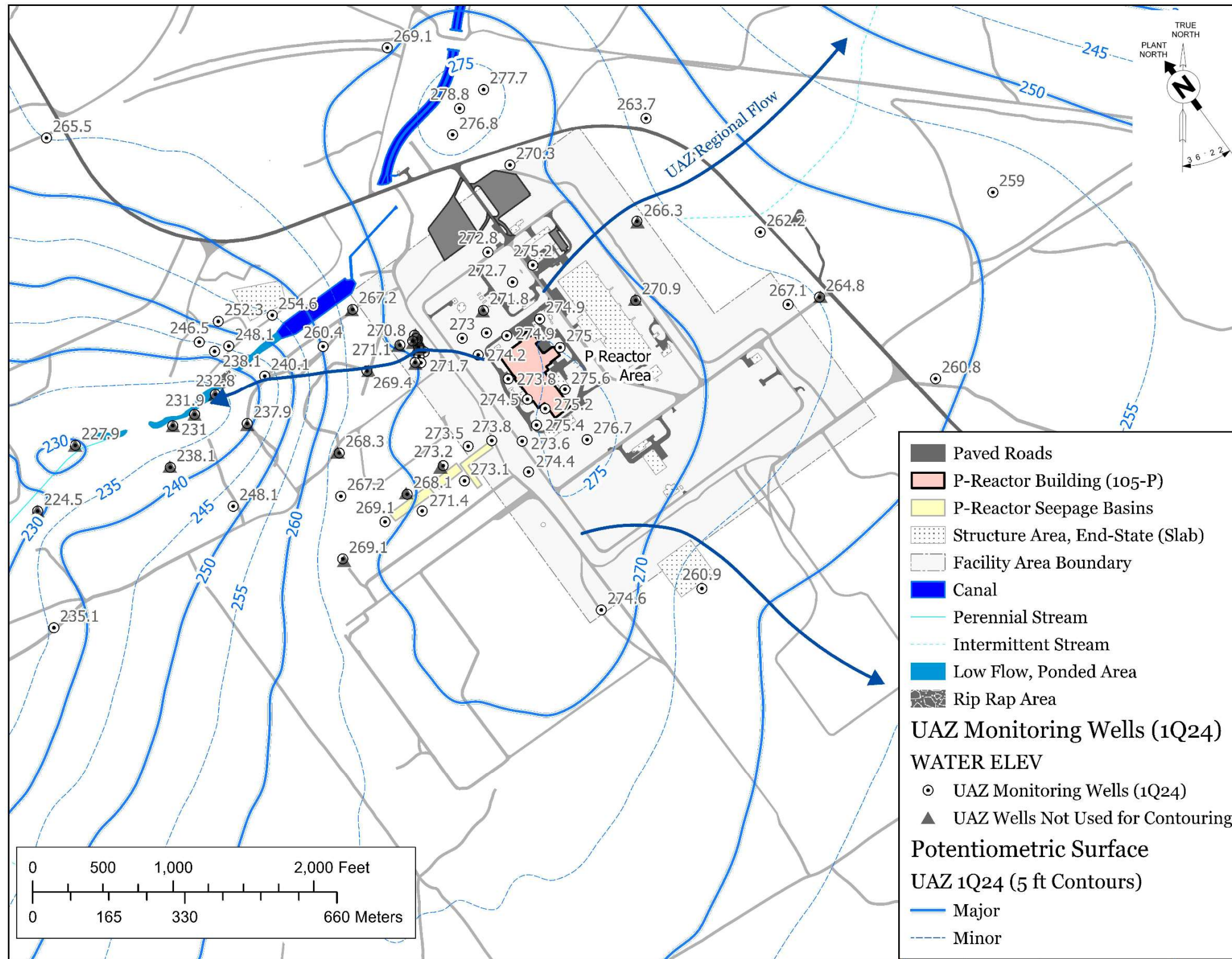


Figure 13. Upper Aquifer Zone Potentiometric Surface for the P-Area Groundwater Operable Unit

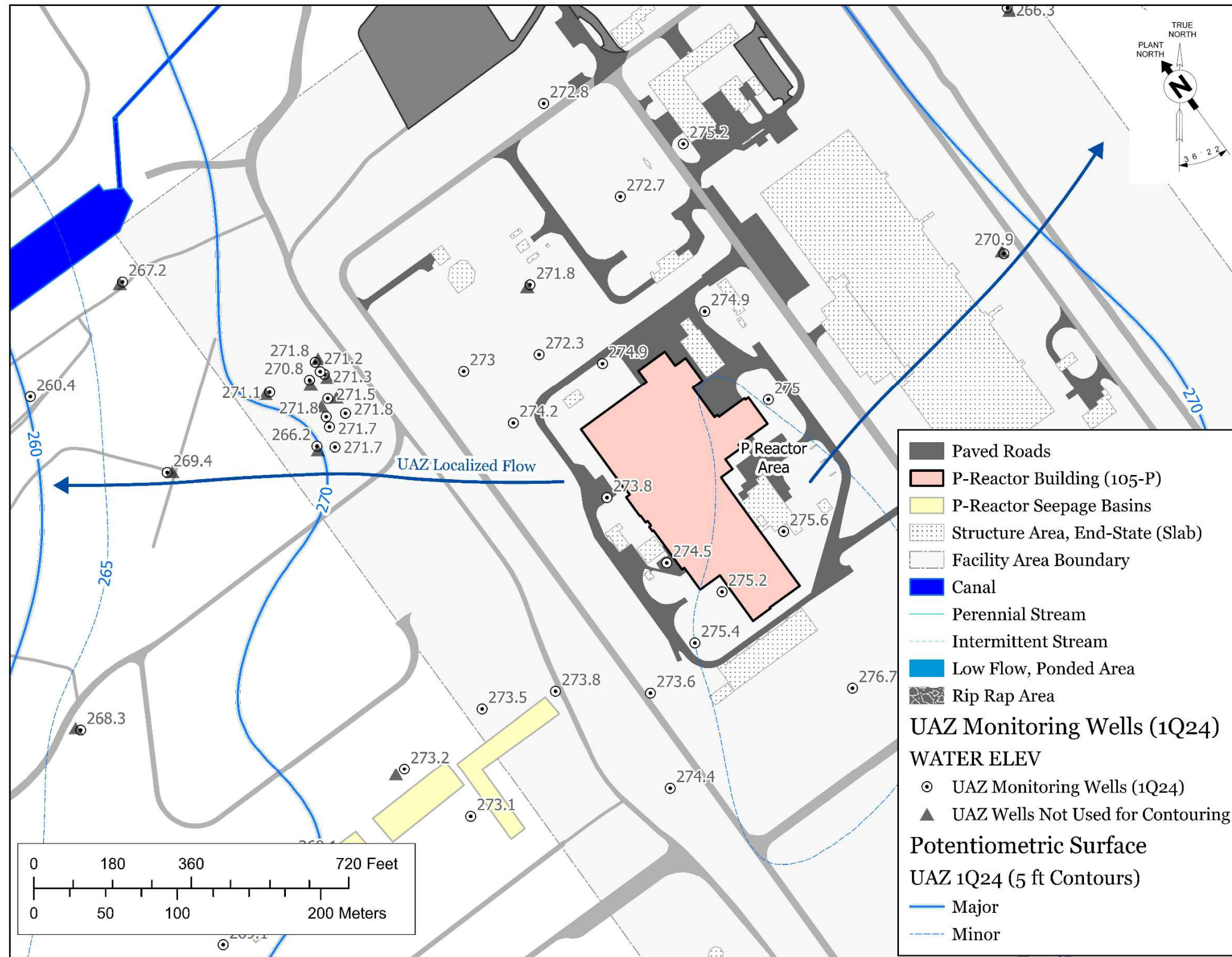


Figure 14. Upper Aquifer Zone Potentiometric Surface for the P-Area Groundwater Operable Unit (Continued/End)

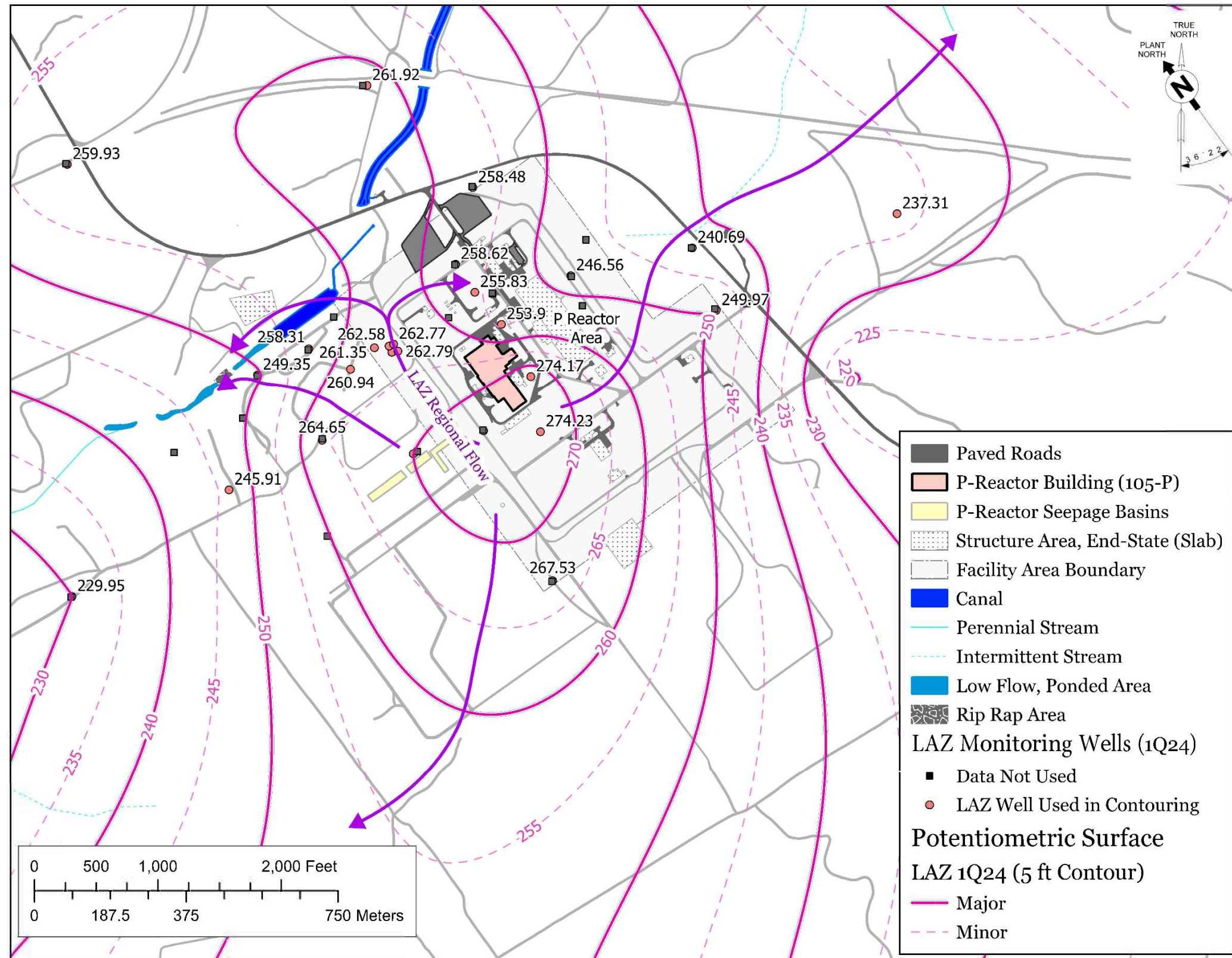


Figure 15. Lower Aquifer Zone Potentiometric Surface for the P-Area Groundwater Operable Unit

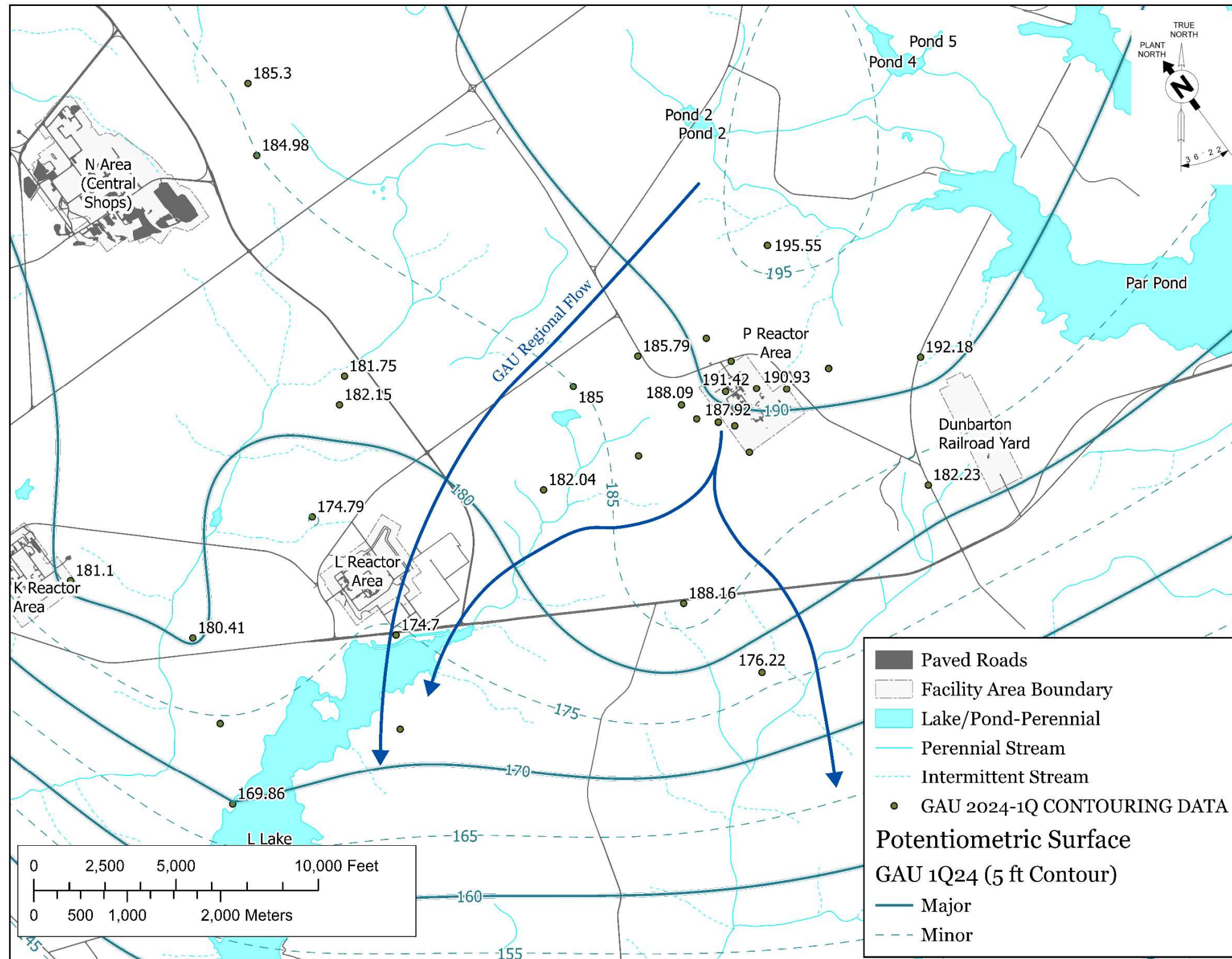


Figure 16. Gordon Aquifer Unit Potentiometric Surface for the P-Area Groundwater Operable Unit

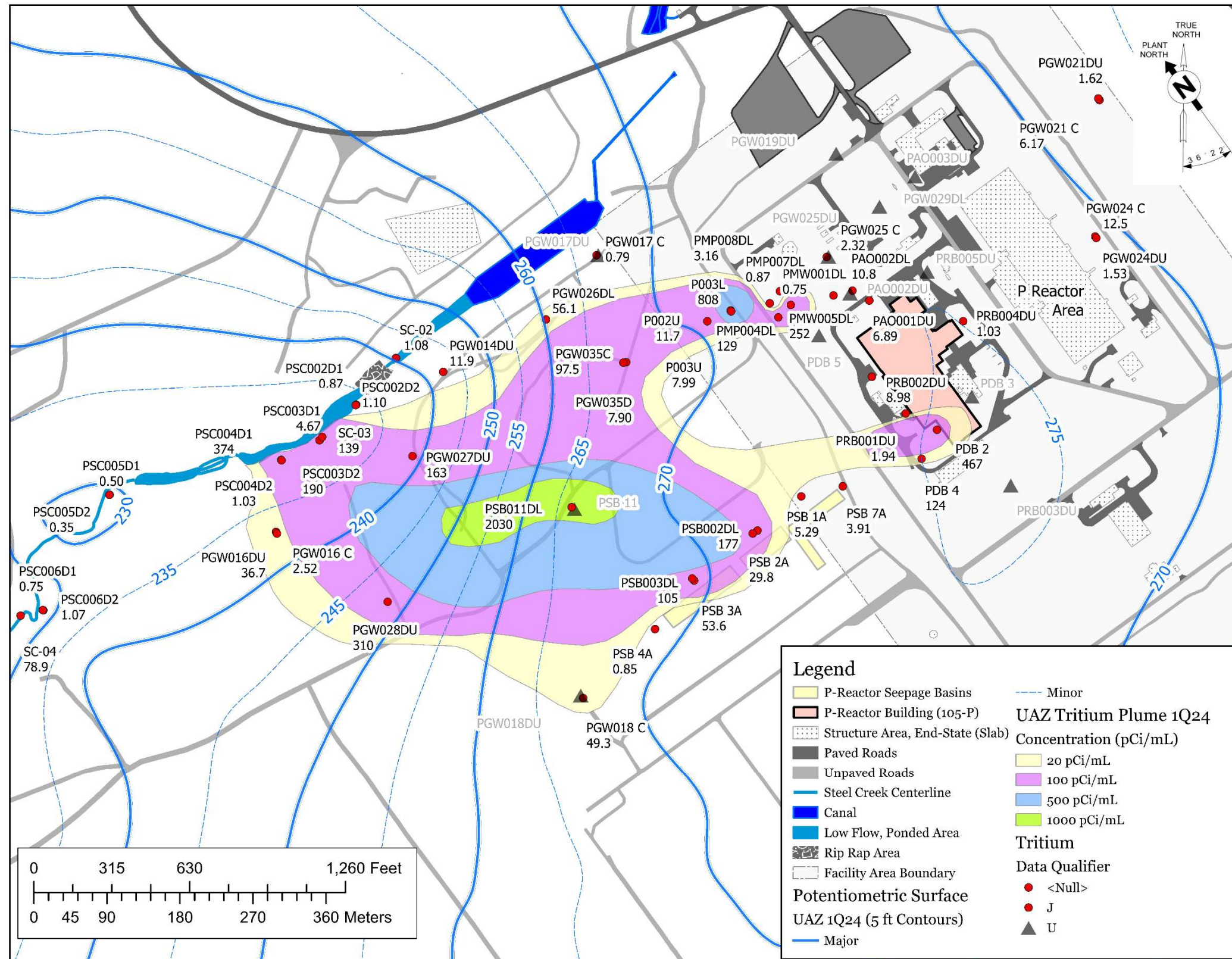


Figure 17. Upper Aquifer Zone Tritium Plume for the P-Area Groundwater Operable Unit

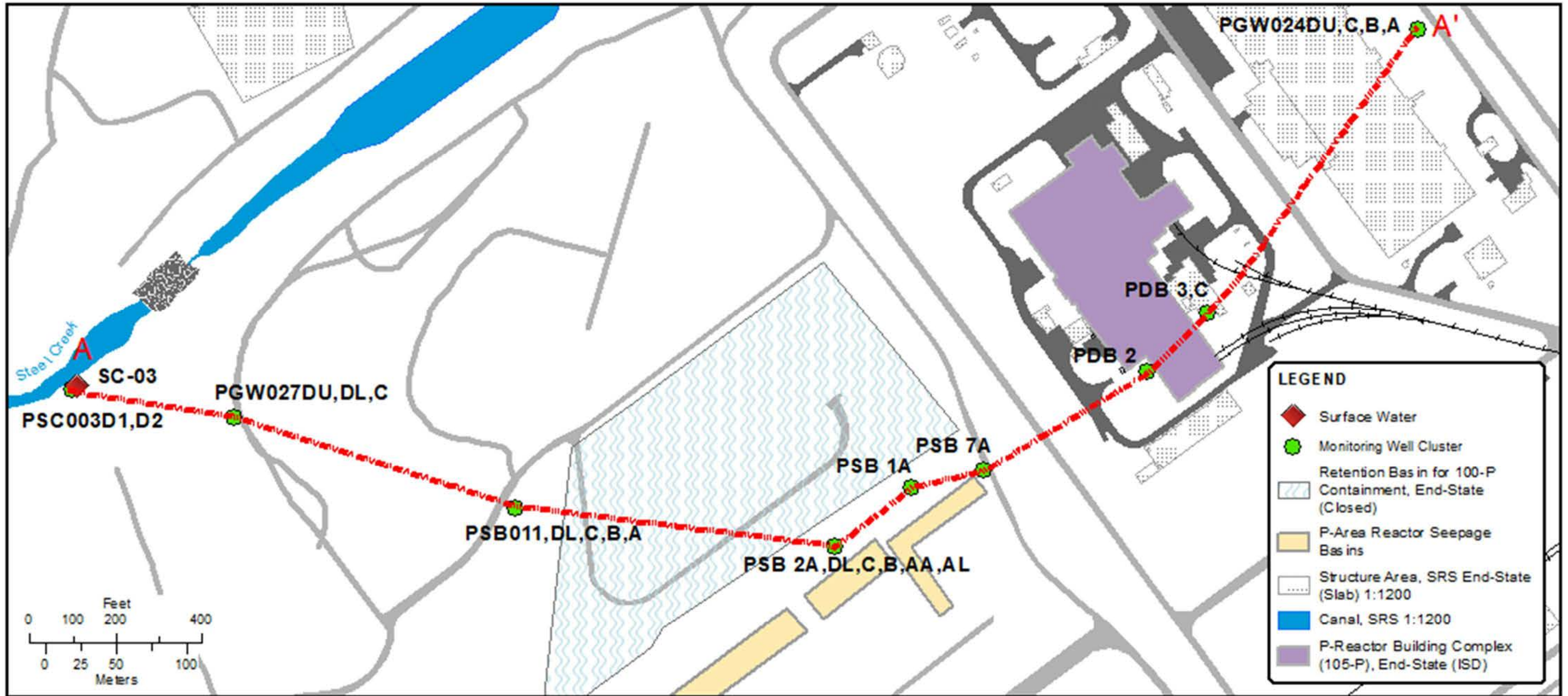


Figure 18. Tritium Cross-Section Trace

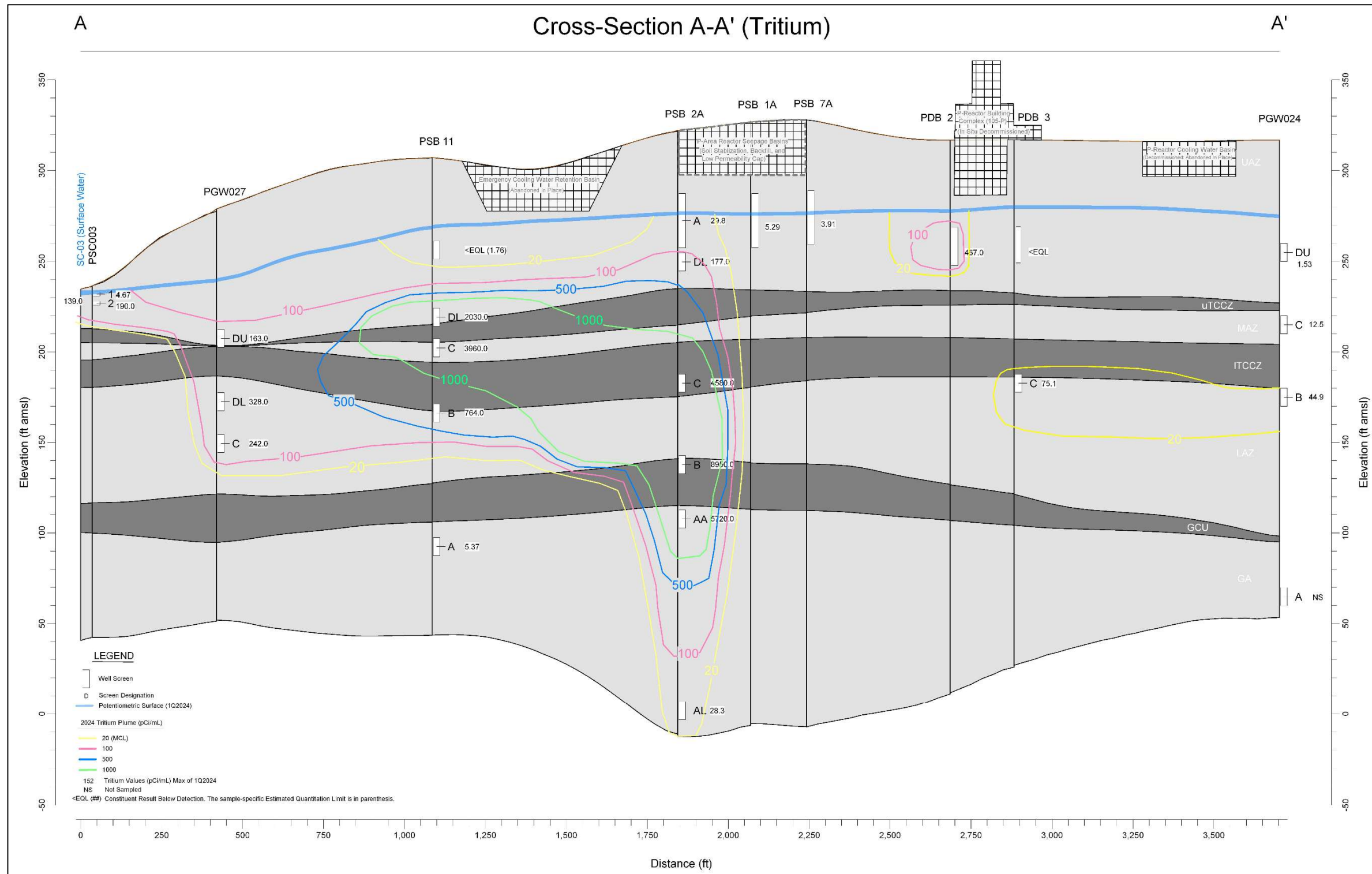


Figure 19. Cross-Section of the Tritium Plume in P Area

This page intentionally left blank.

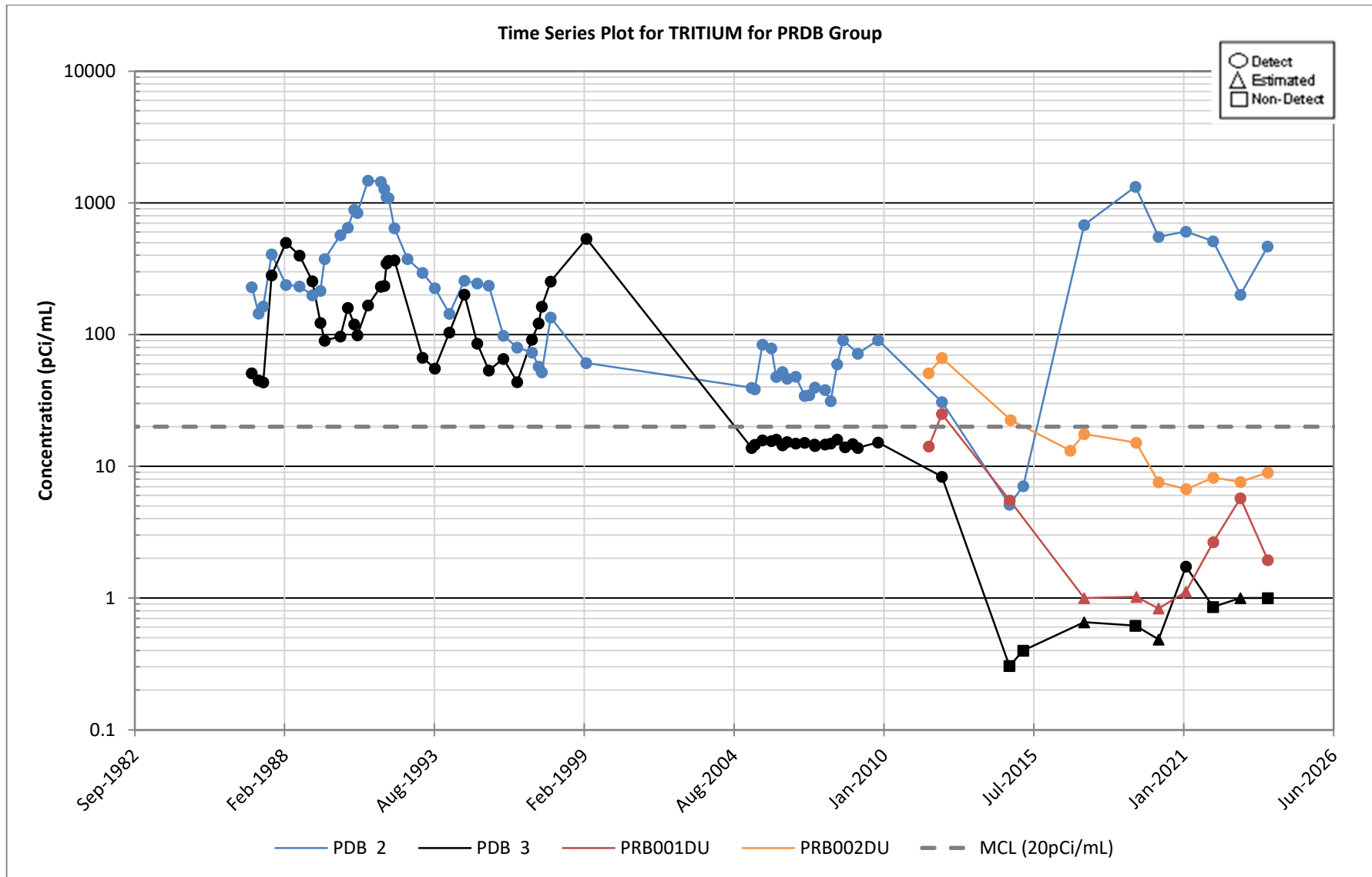


Figure 20. Time-Series Plot for Tritium at Upper Aquifer Zone Wells in the Vicinity of the P-Area Reactor Disassembly Basin

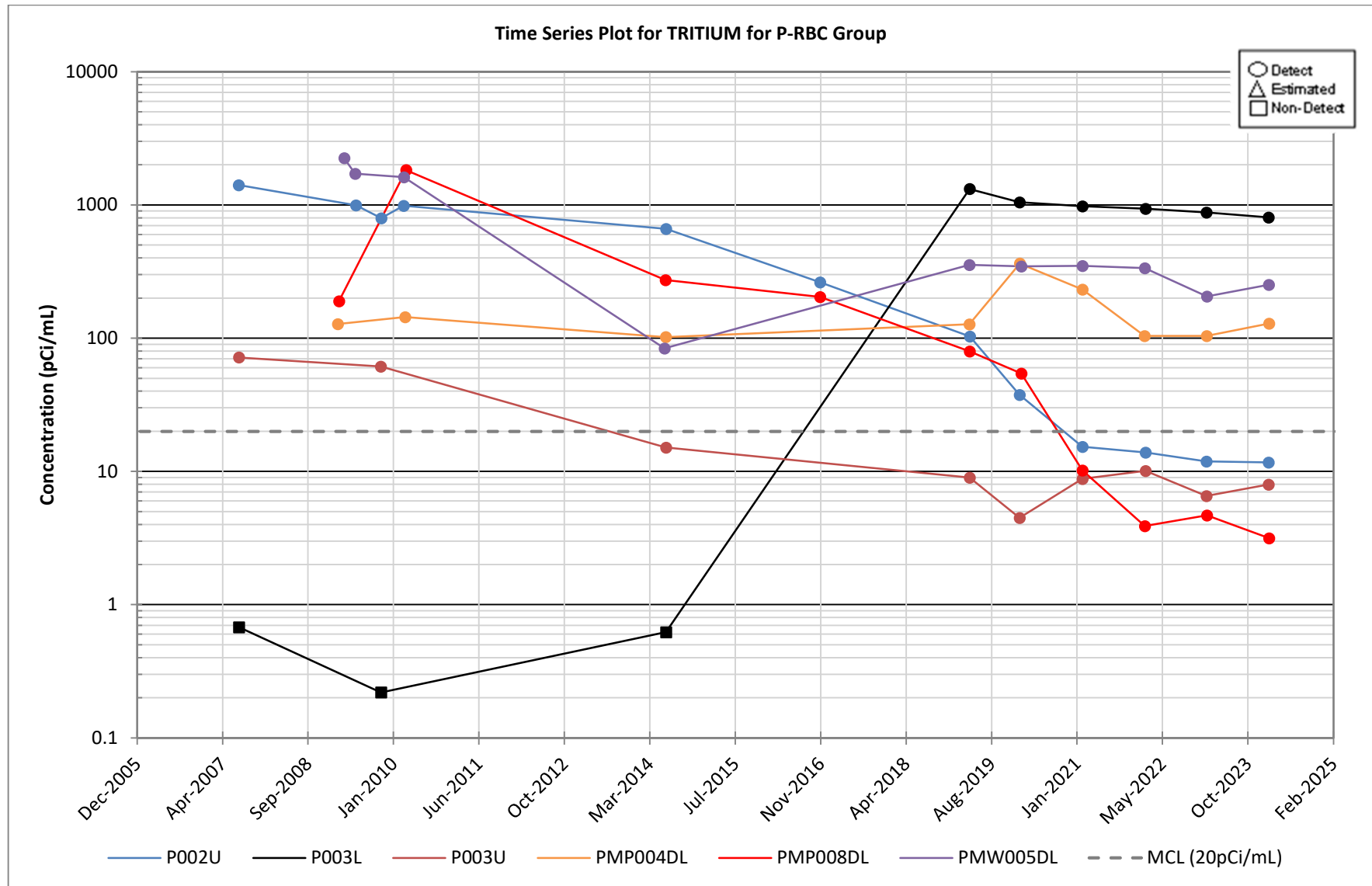


Figure 21. Time-Series Plot for Tritium at Upper Aquifer Zone Wells in the Vicinity of the P-Area Reactor Building Complex

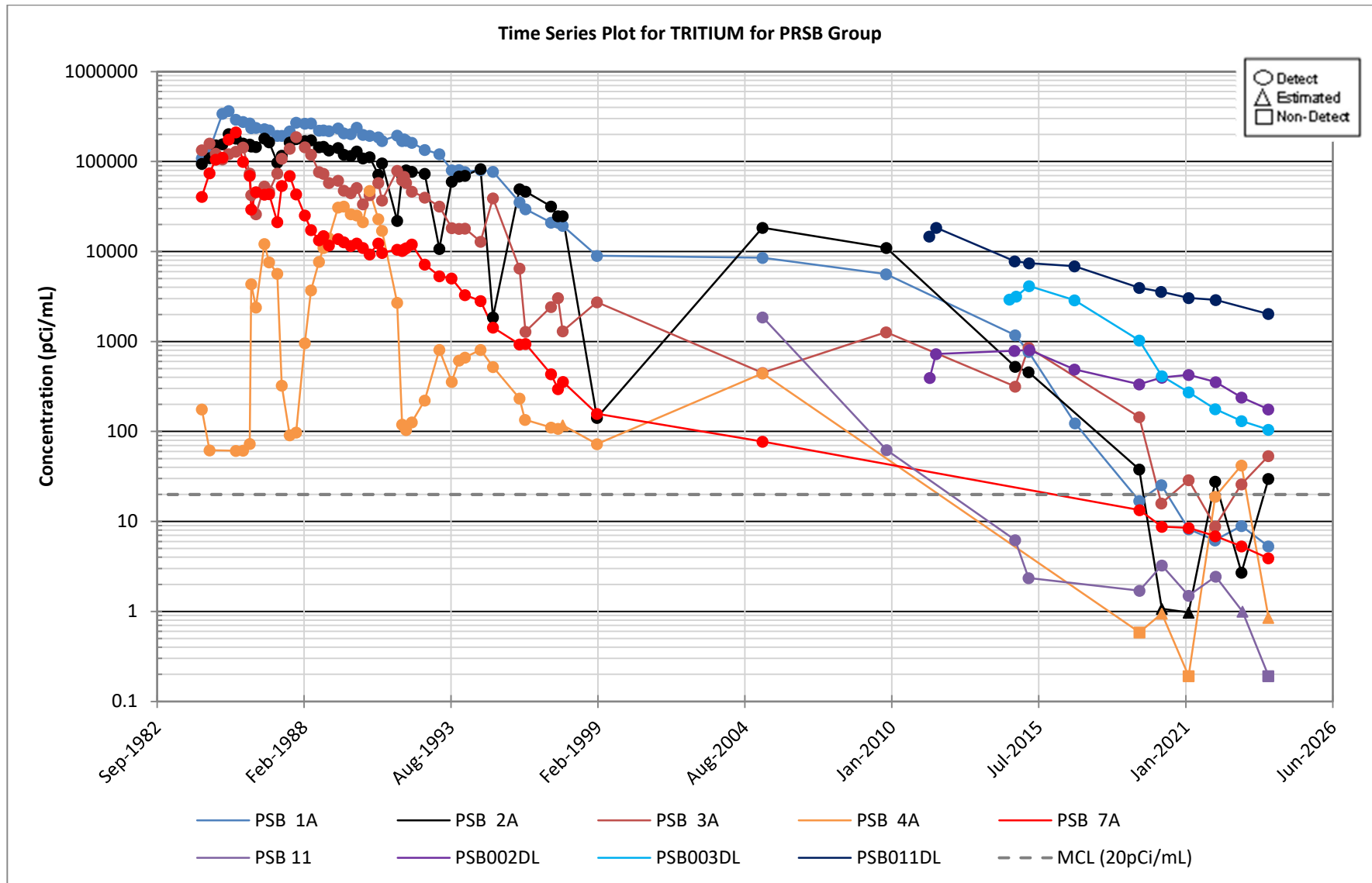


Figure 22. Time-Series Plots for Tritium at Upper Aquifer Zone Wells in the Vicinity of the P-Reactor Seepage Basins

This page intentionally left blank.

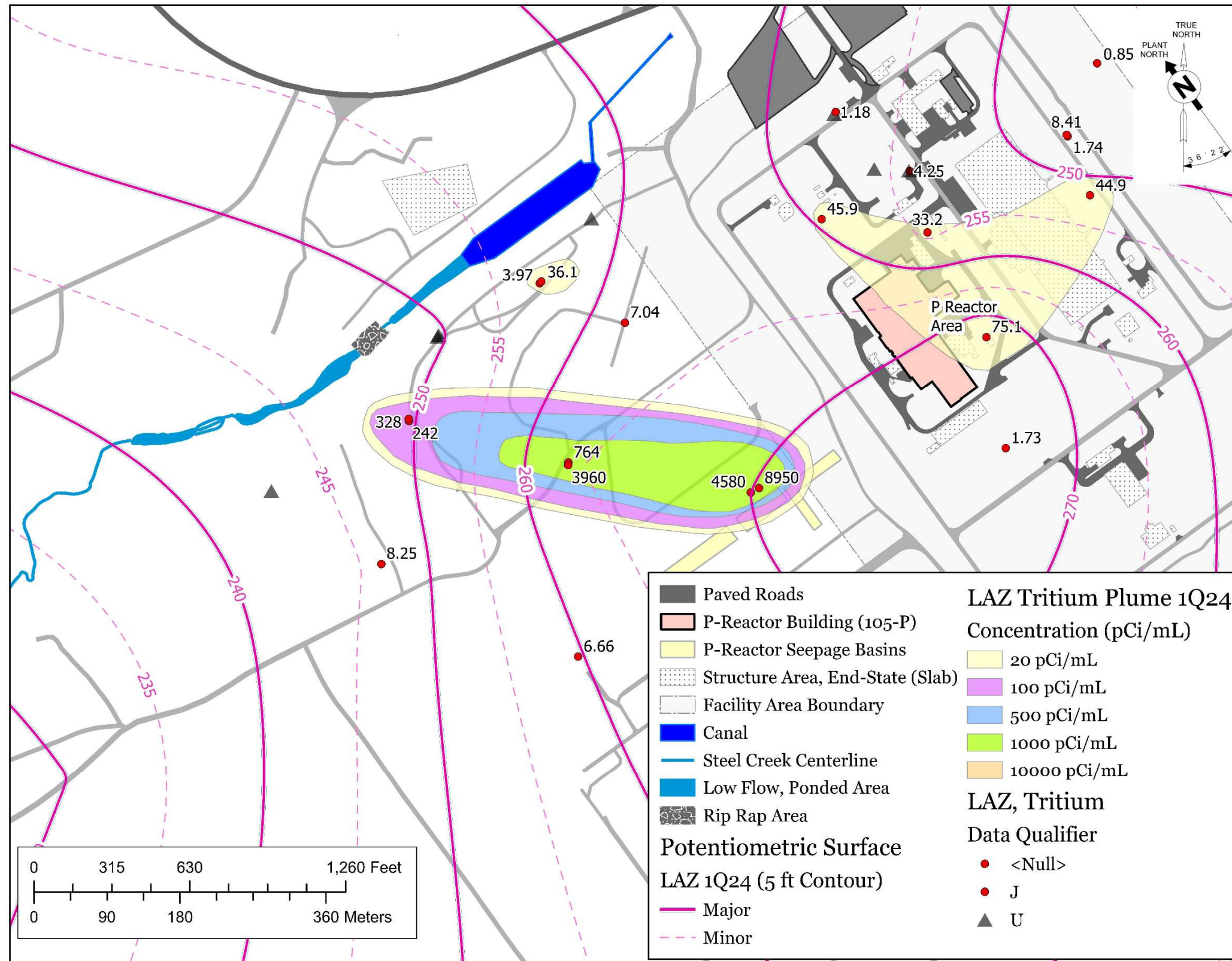


Figure 23. Lower Aquifer Zone Tritium Plume for the P-Area Groundwater Operable Unit

This page intentionally left blank.

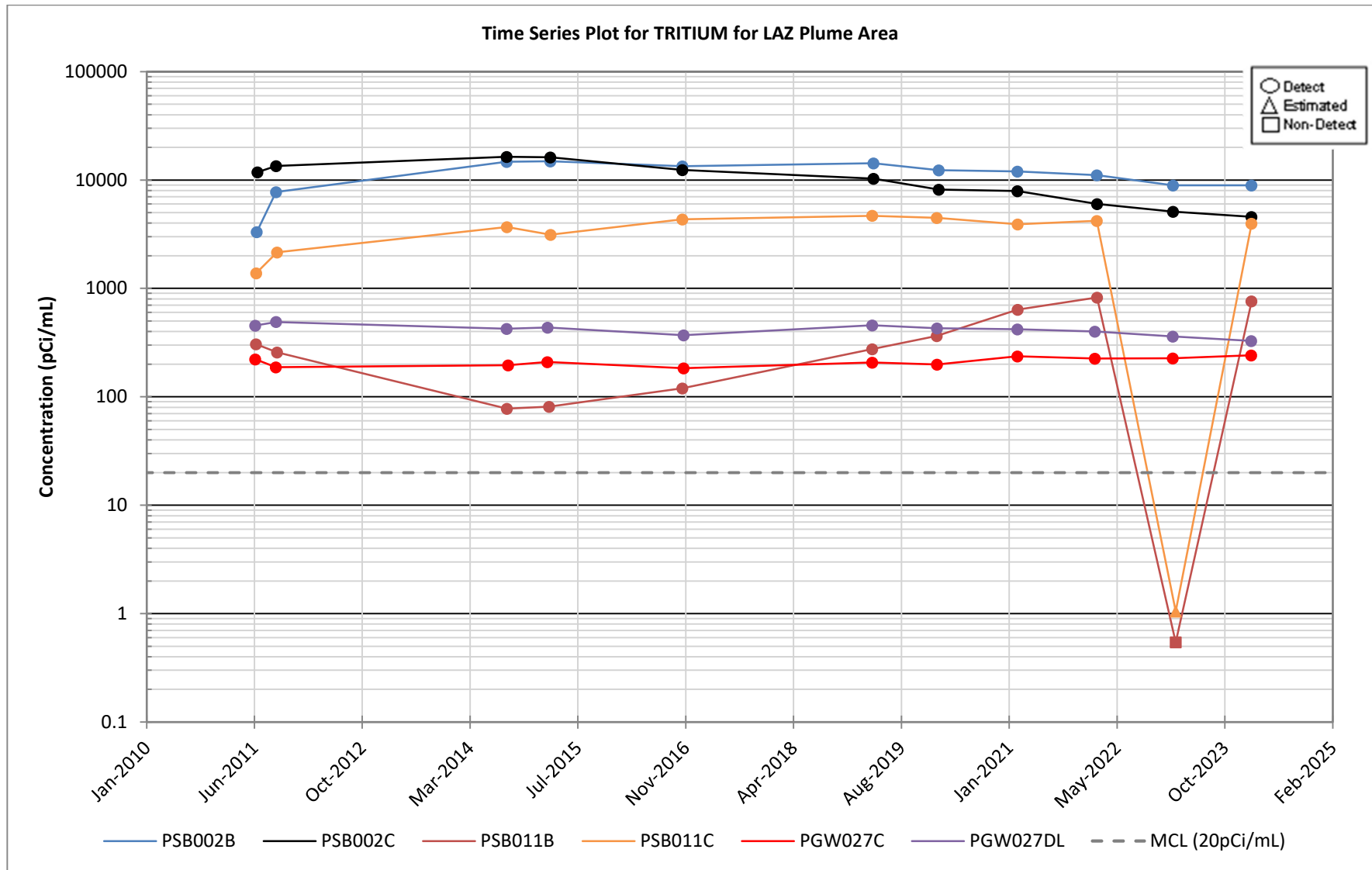


Figure 24. Time-Series Plots for Tritium at Lower Aquifer Zone Wells in the Tritium Plume

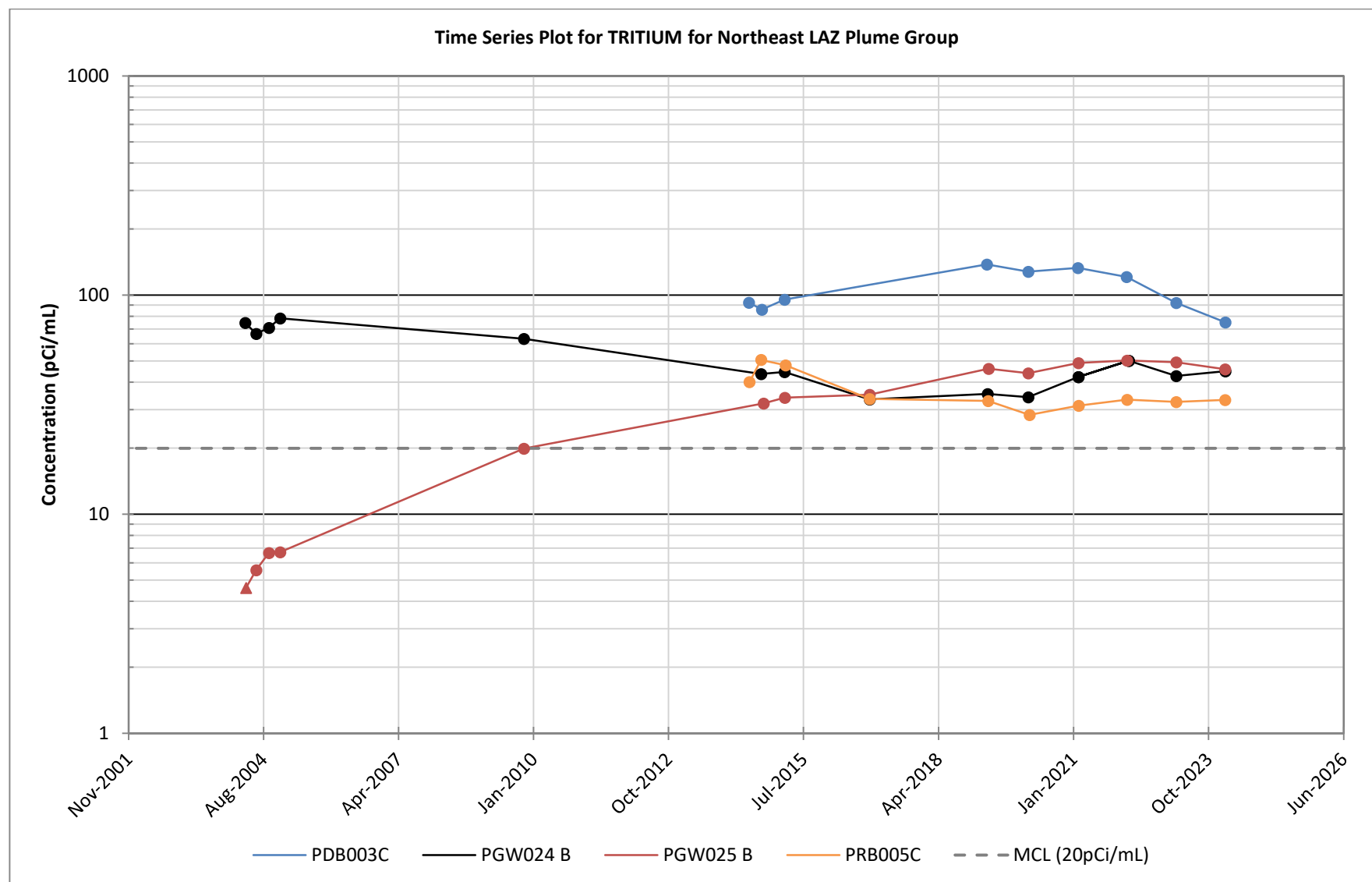


Figure 25. Time-Series Plots for Tritium at Lower Aquifer Zone Wells Northeast of P-Area Reactor Building Complex

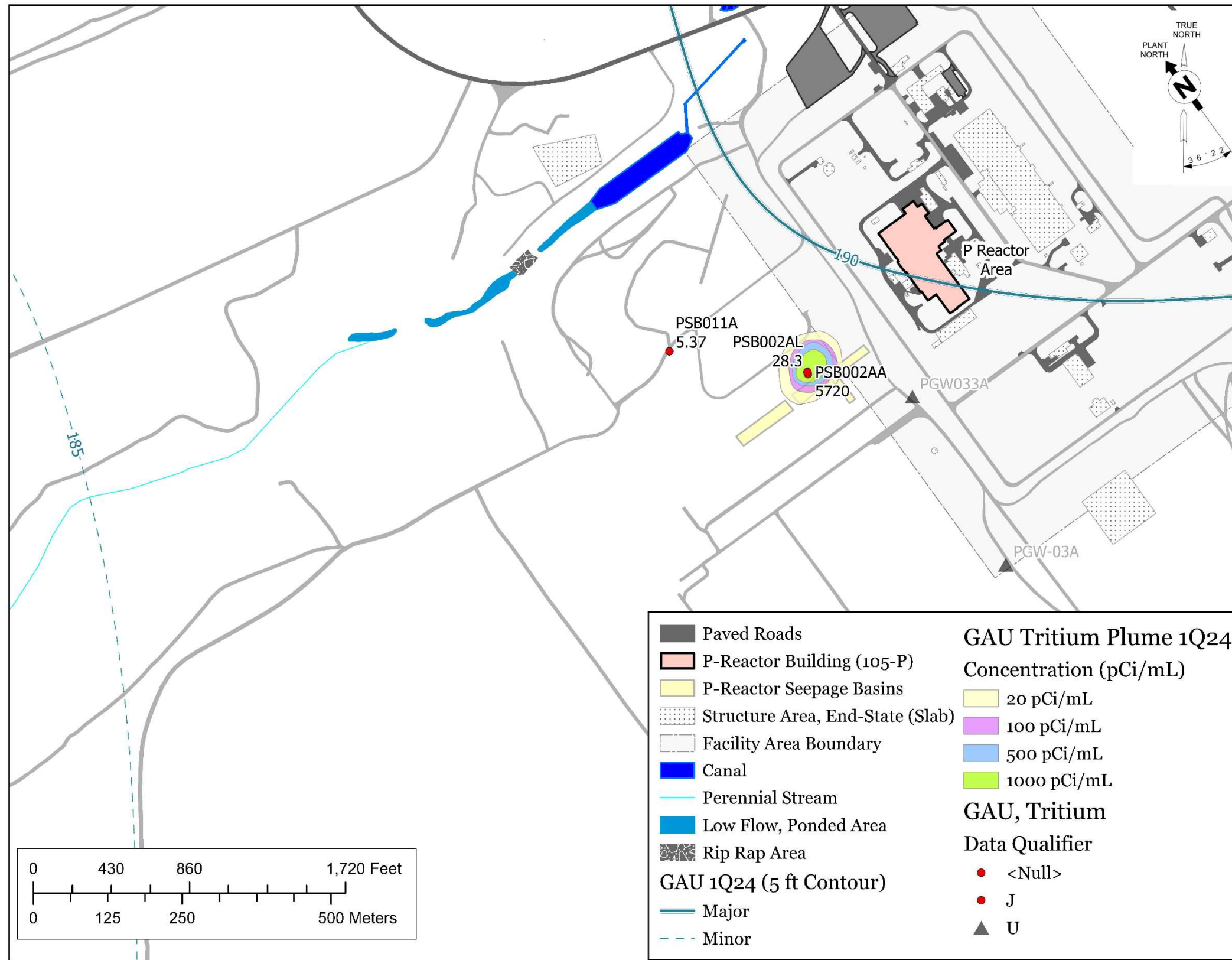


Figure 26. Gordon Aquifer Unit Tritium Plume for the P-Area Groundwater Operable Unit

This page intentionally left blank.

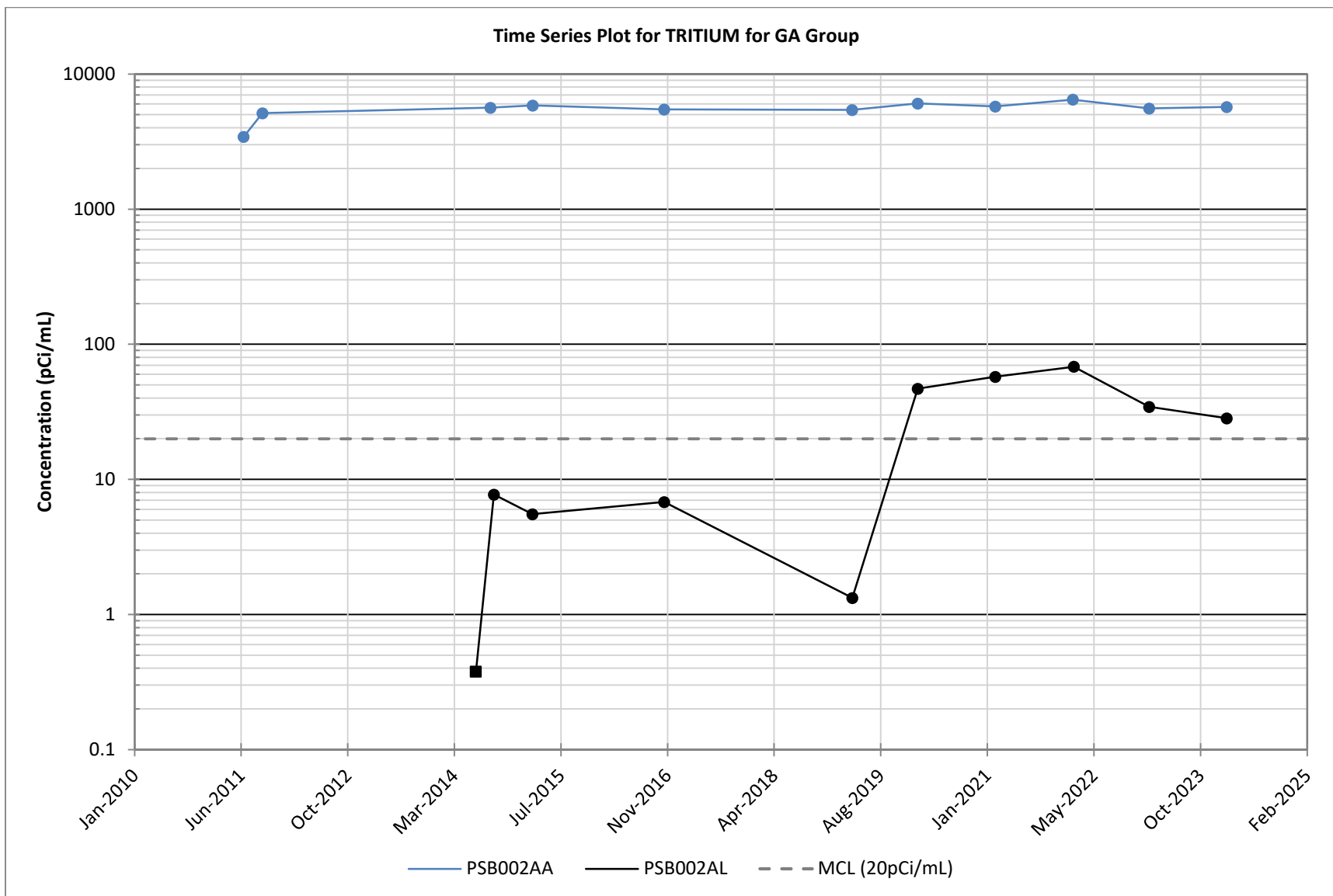


Figure 27. Time-Series Plots for PSB002 Monitoring Wells in the Gordon Aquifer Unit

This page intentionally left blank.

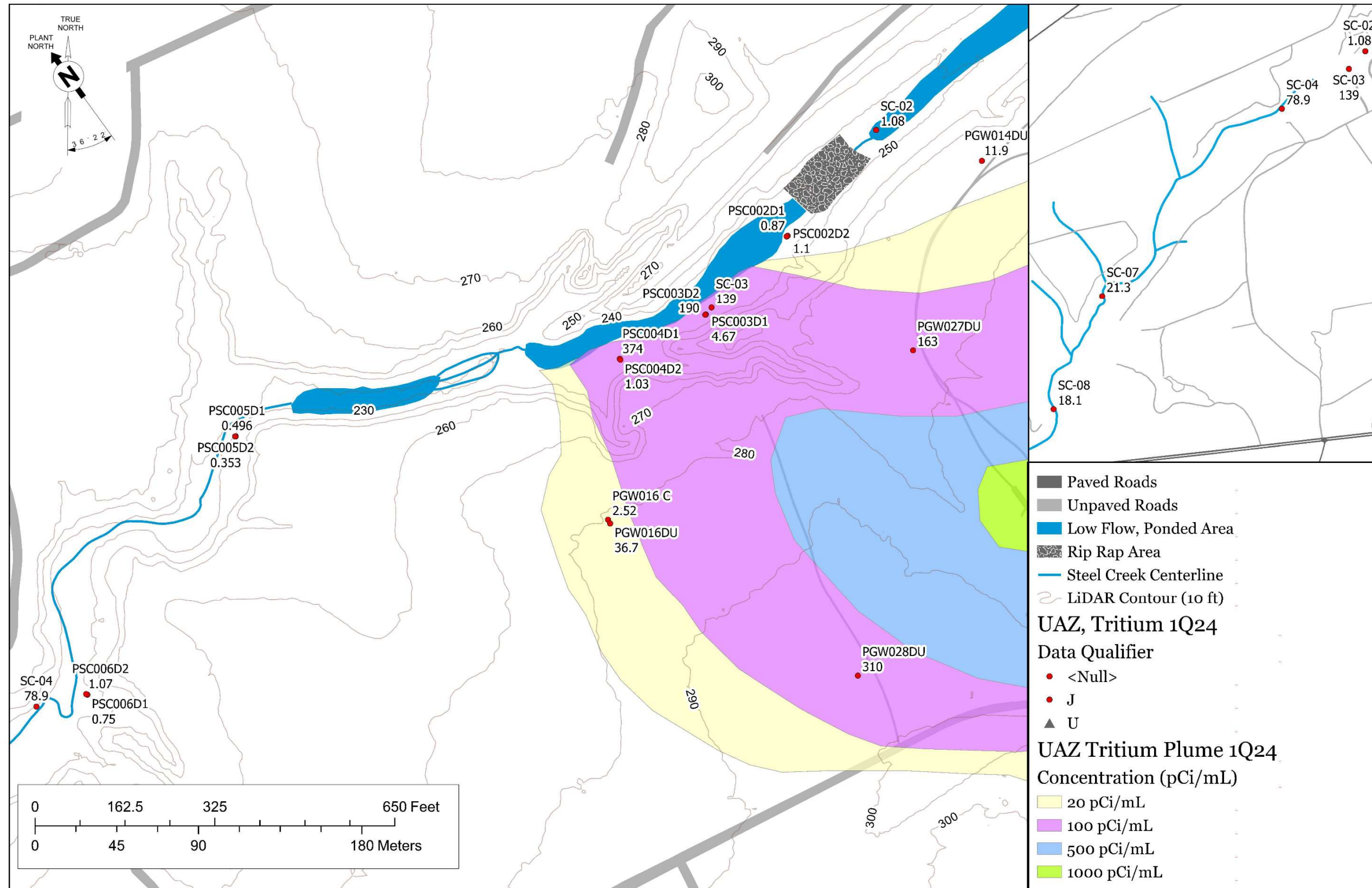


Figure 28. Surface Water and Shallow Well Locations for Tritium Plume Impact

This page intentionally left blank.

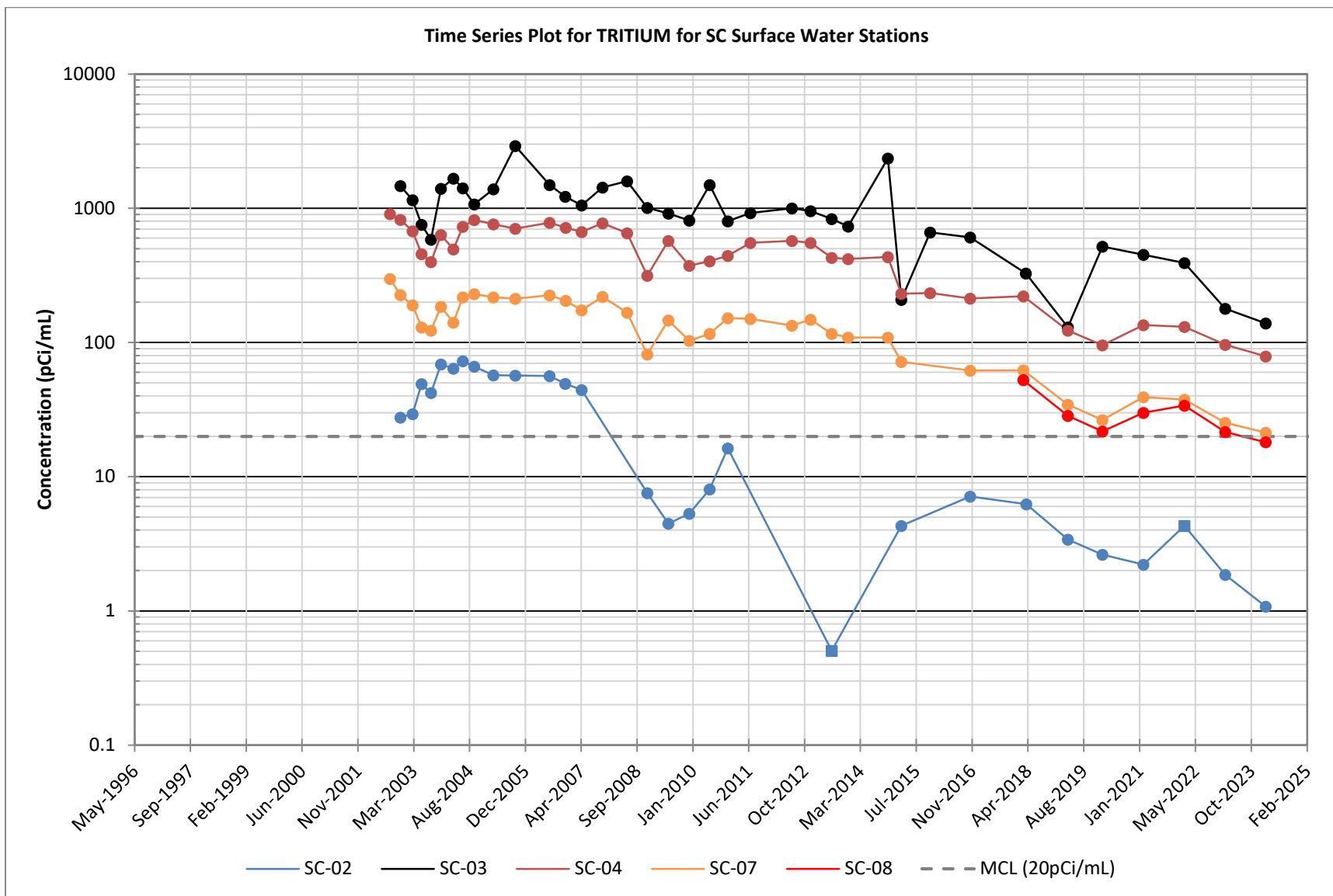


Figure 29. Time-Series Plots for Tritium at Surface Water Stations



Figure 30. Steel Creek Sampling Access Road Completed in January 2023

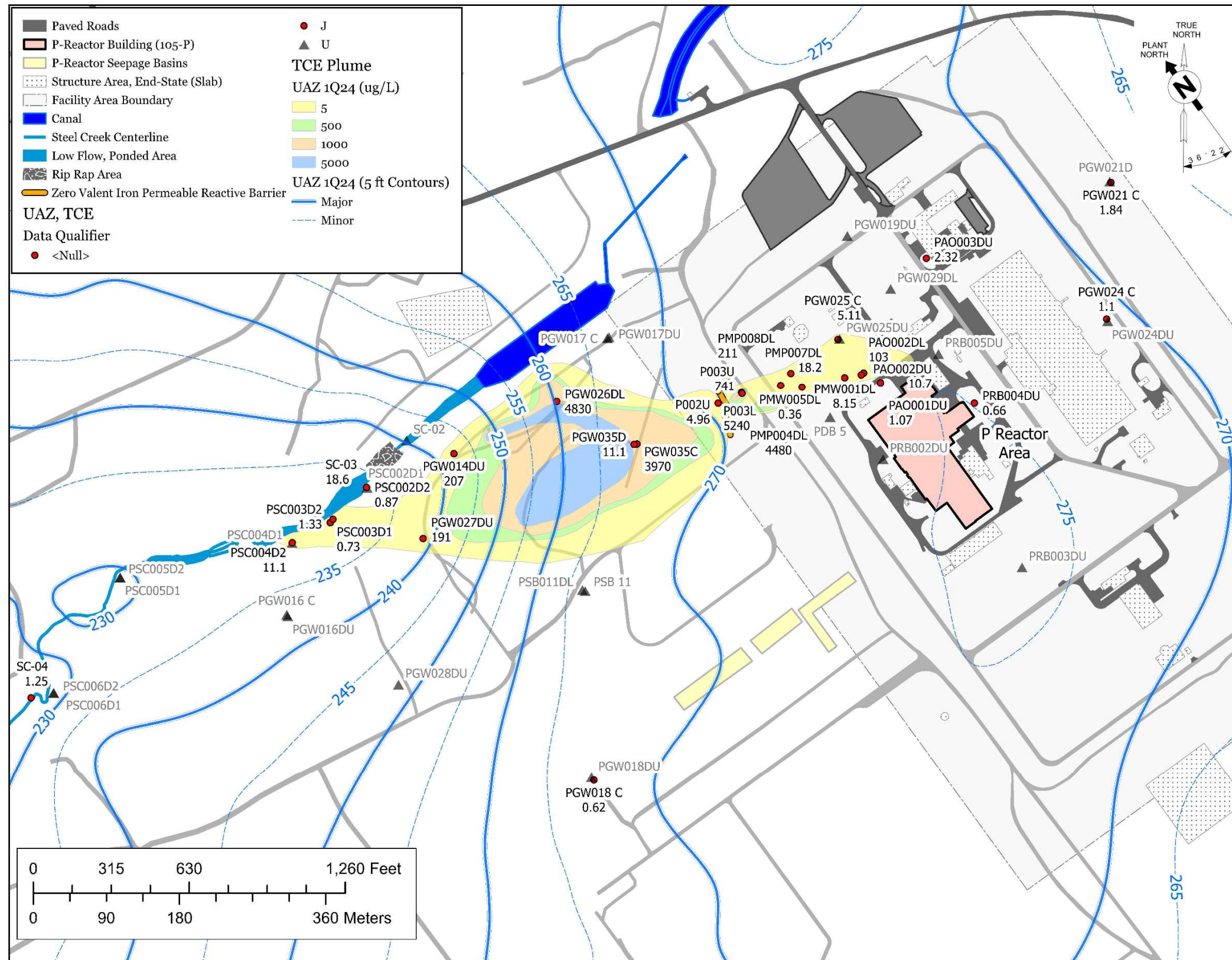


Figure 31. Upper Aquifer Zone Trichloroethylene Plume for the P-Area Groundwater Operable Unit

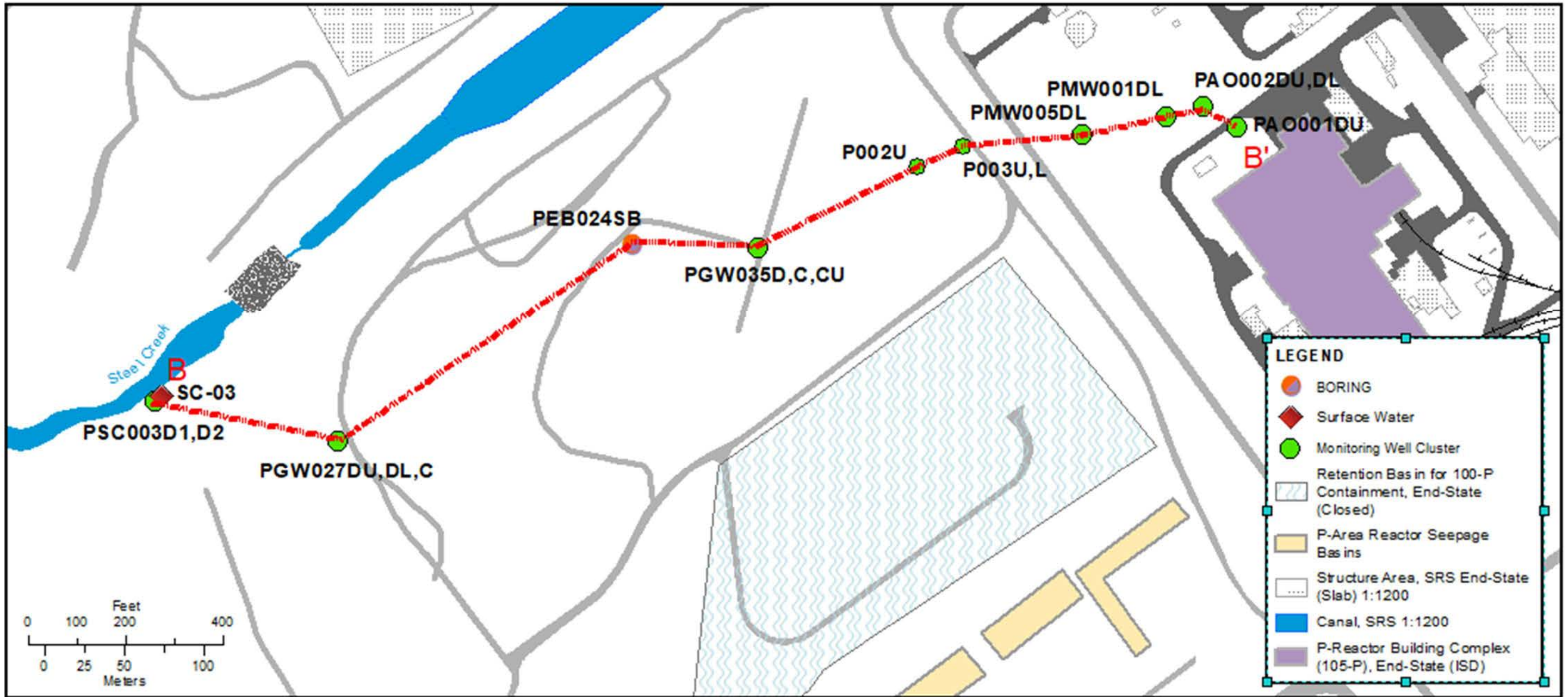


Figure 32. Trichloroethylene Cross-Section Trace

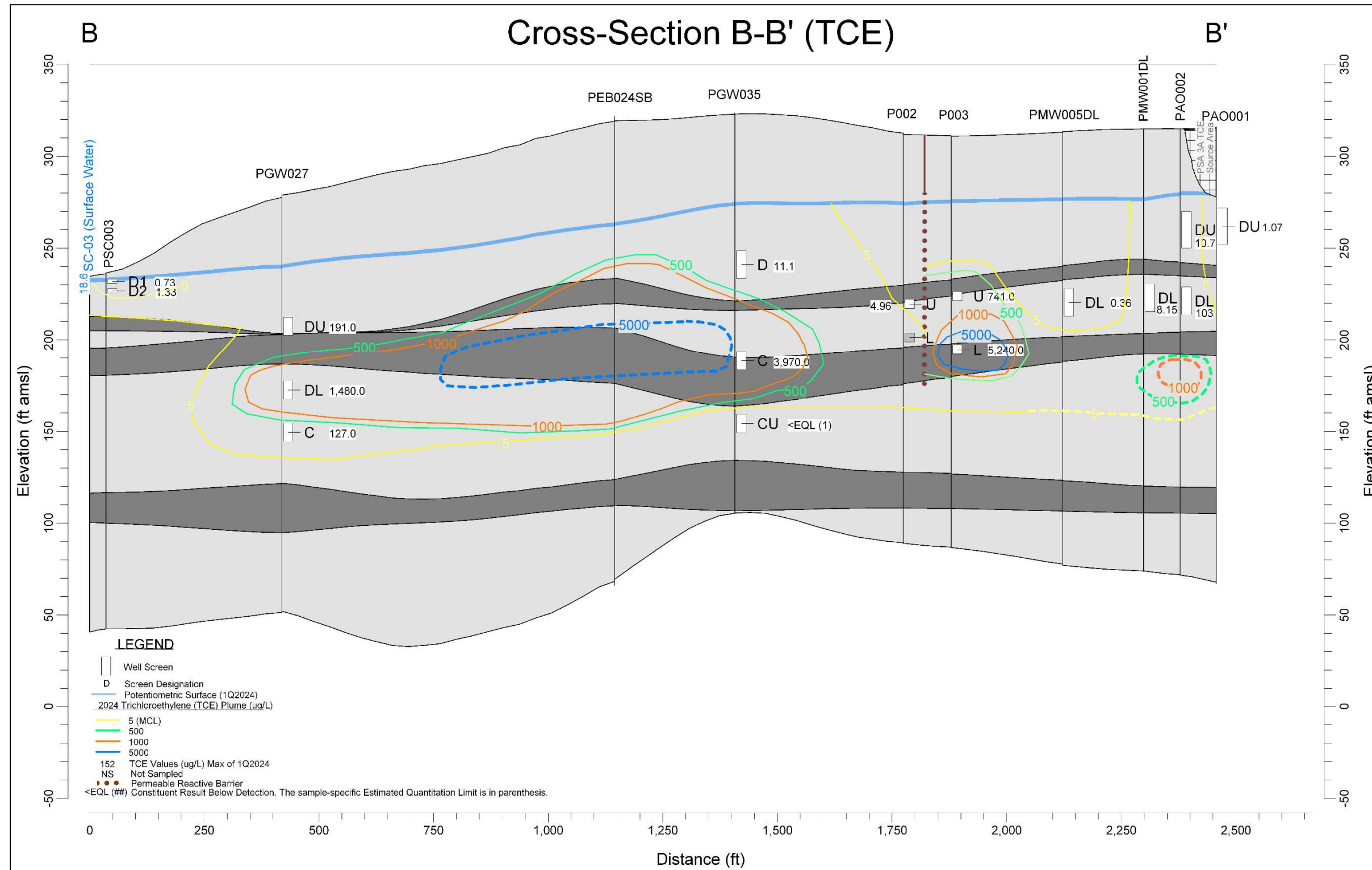


Figure 33. Cross-Section of the Trichloroethylene Plume in P Area

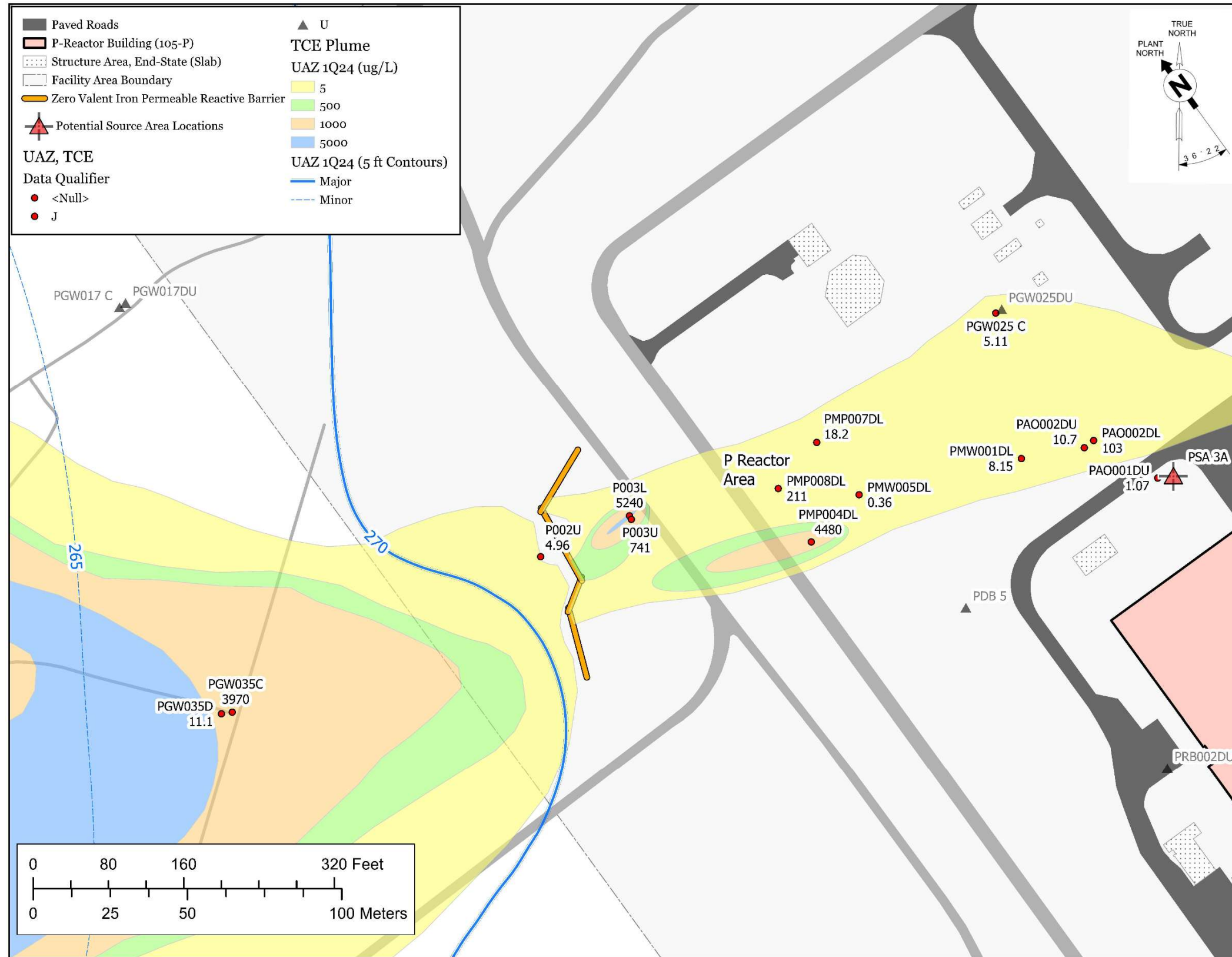


Figure 34. Upper Aquifer Zone Trichloroethylene Plume at Potential Source Area 3A

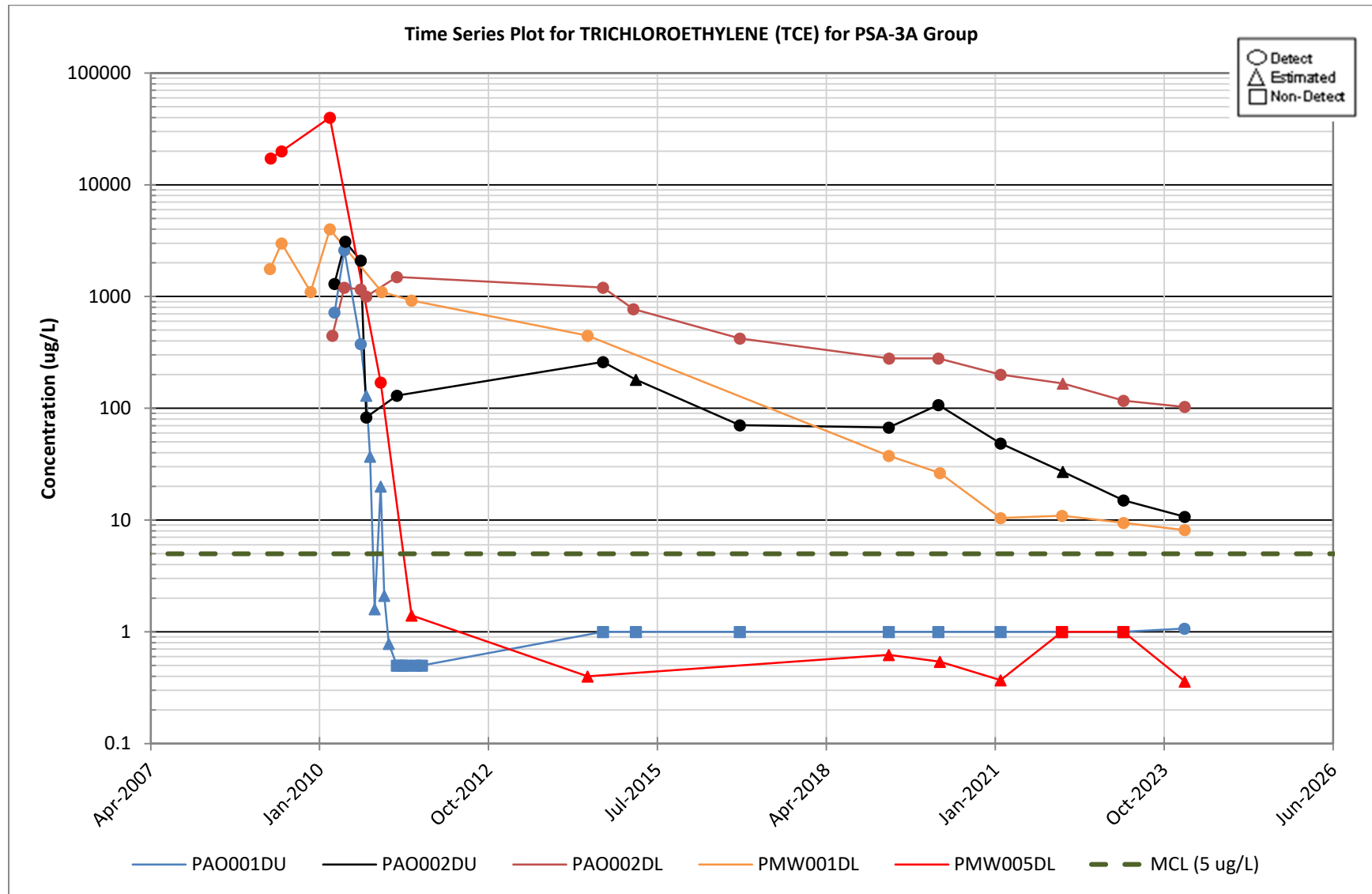


Figure 35. Time-Series Plots for Trichloroethylene at Upper Aquifer Zone Wells in the Vicinity of Potential Source Area 3A

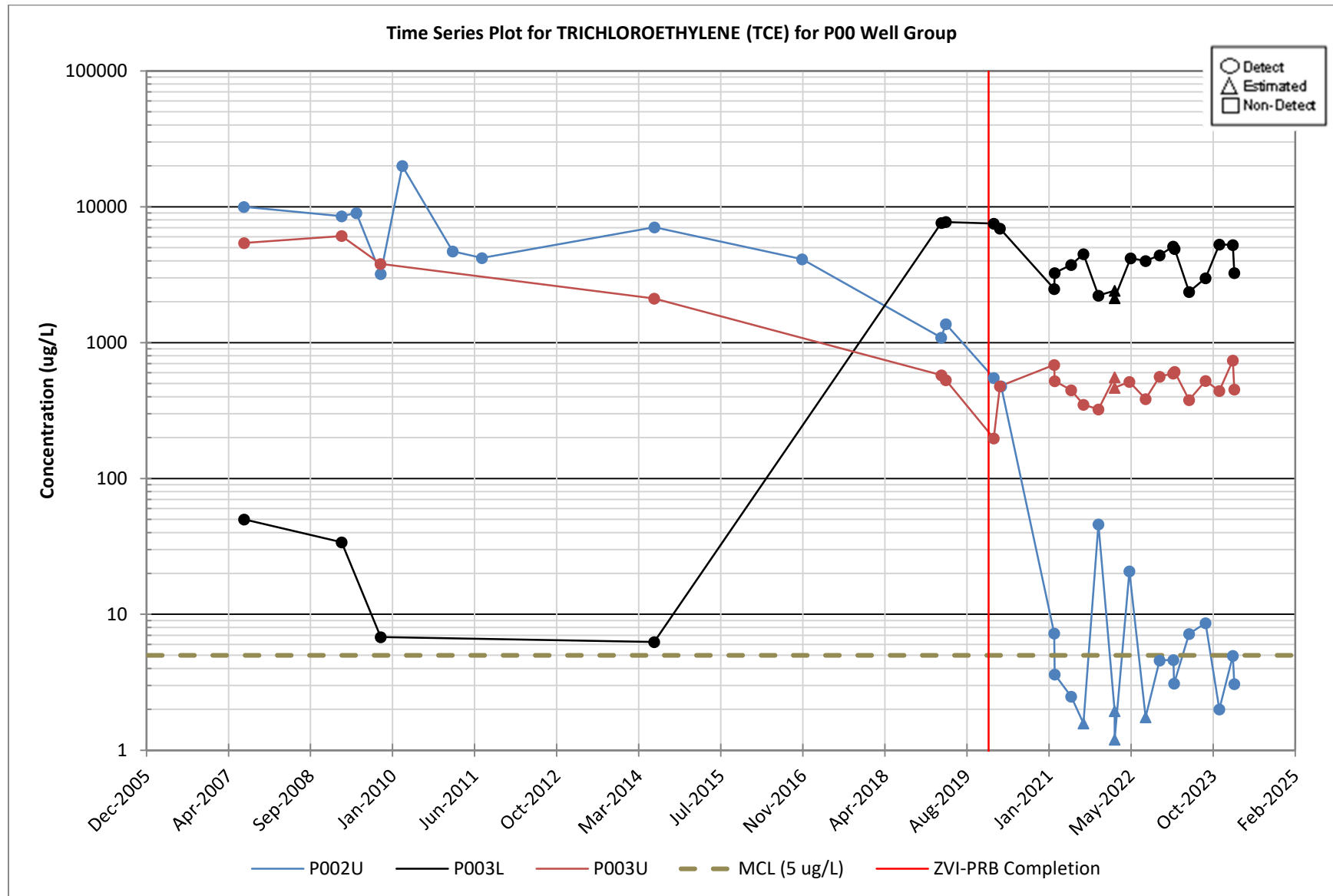


Figure 36. Time-Series Plots for Trichloroethylene at the Neck Area of the Upper Aquifer Zone Plume

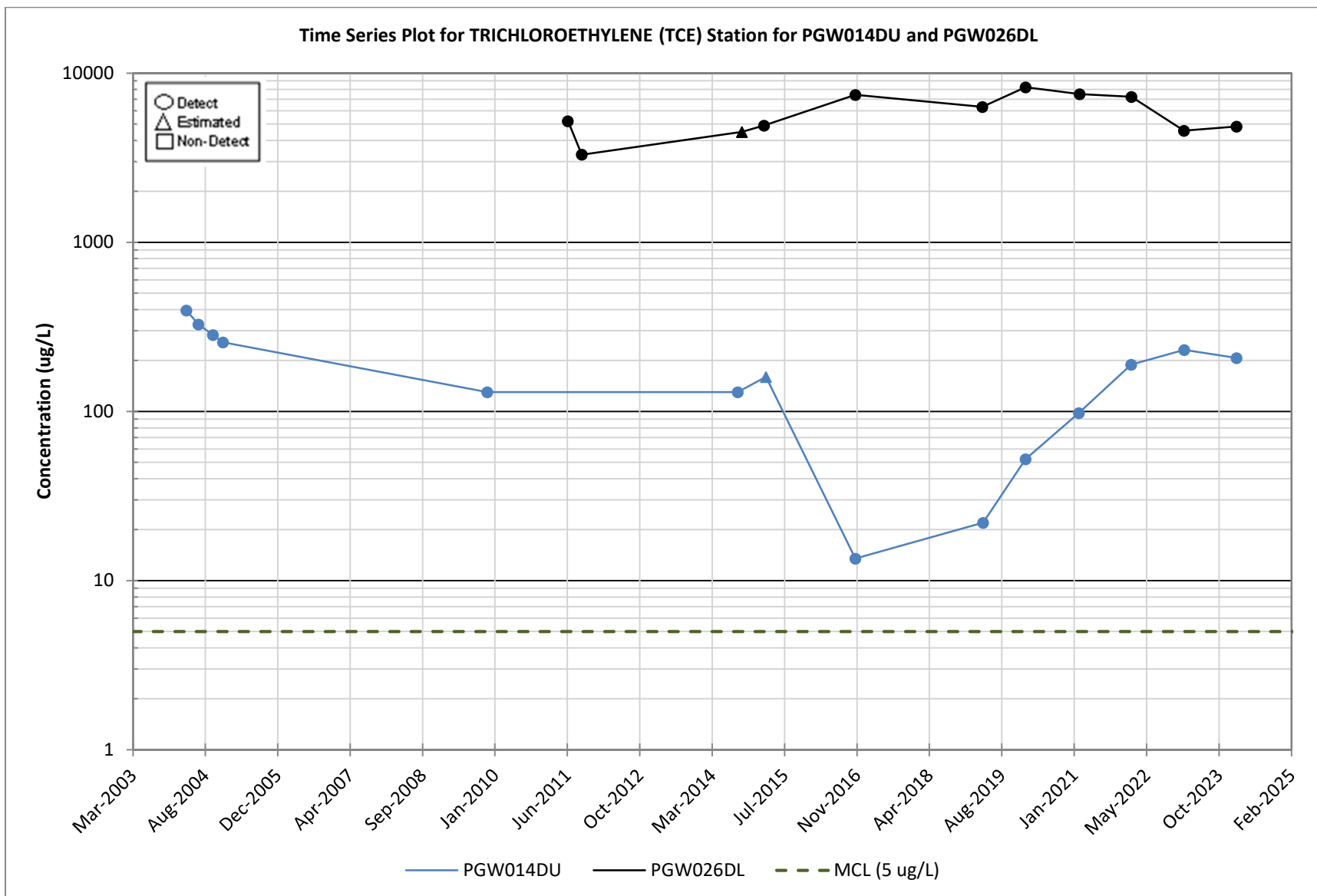


Figure 37. Time-Series Plots for Trichloroethylene at PGW014DU and PGW026DL

This page intentionally left blank.

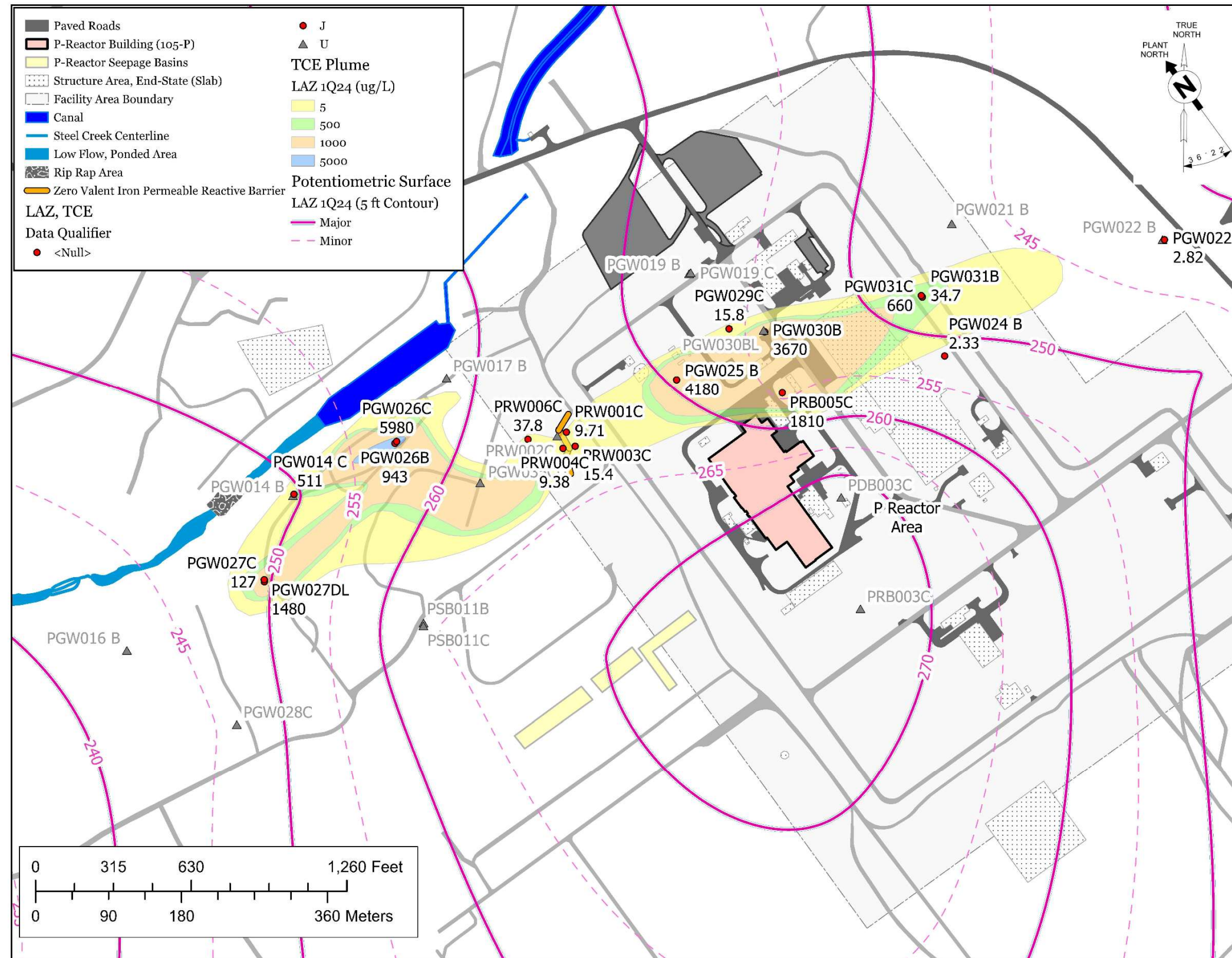


Figure 38. Lower Aquifer Zone Trichloroethylene Plume for the P-Area Groundwater Operable Unit

This page intentionally left blank.

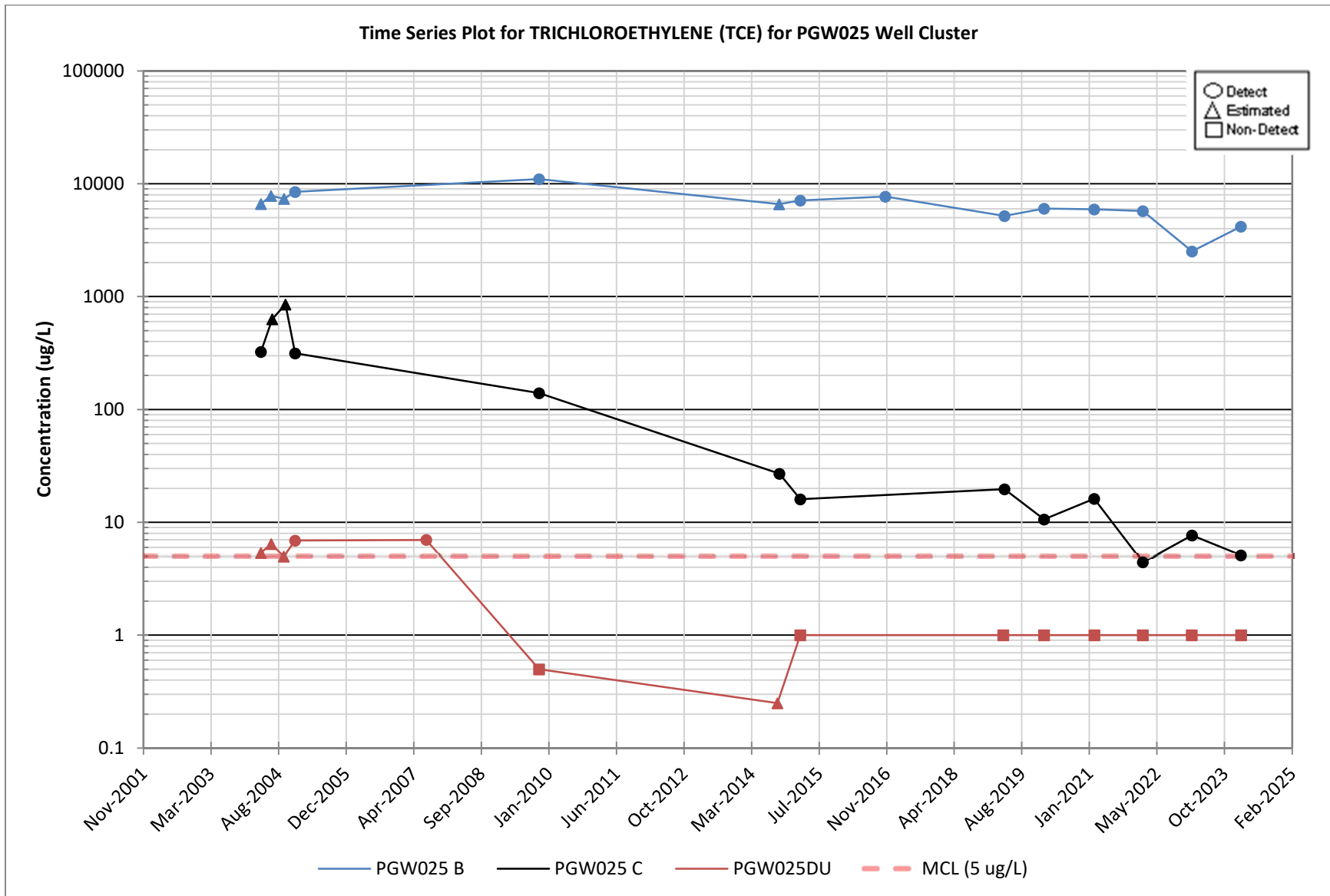


Figure 39. Time-Series Plots for Trichloroethylene at PGW025 Well Cluster

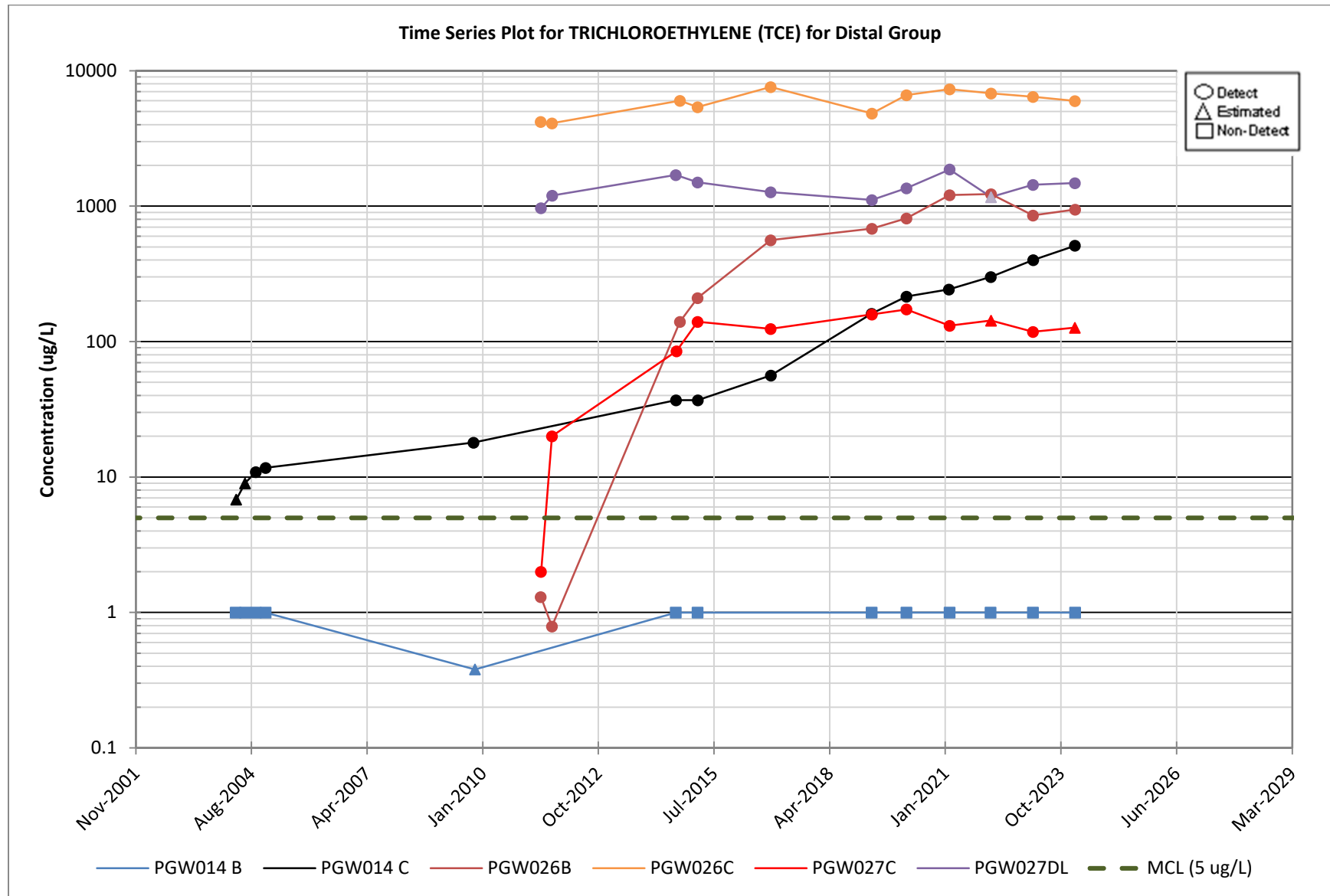


Figure 40. Time-Series Plots for Trichloroethylene at Distal Area Wells in the Lower Aquifer Zone

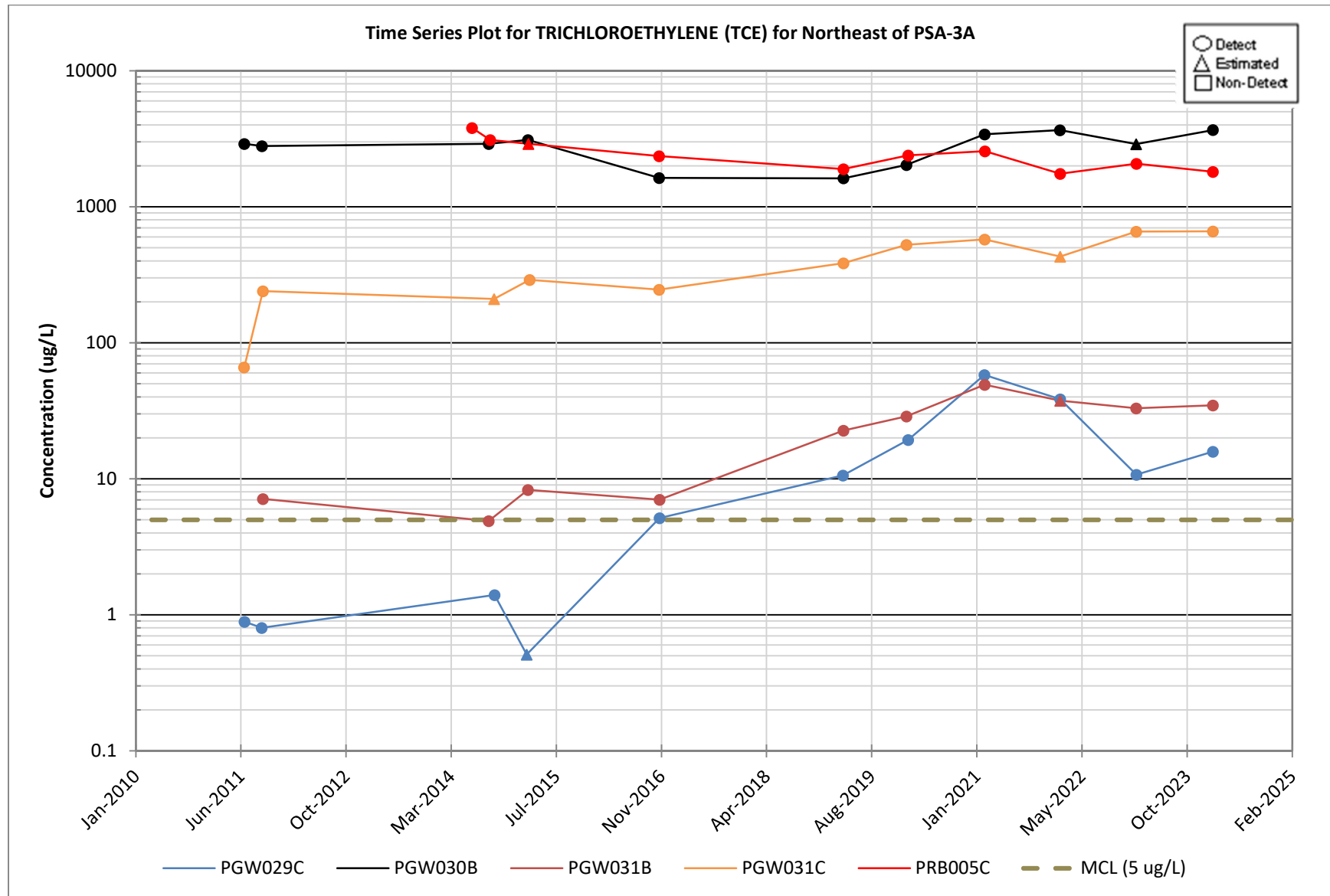


Figure 41. Time-Series Plots for Trichloroethylene in the Lower Aquifer Zone Northeast of Potential Source Area 3A

This page intentionally left blank.

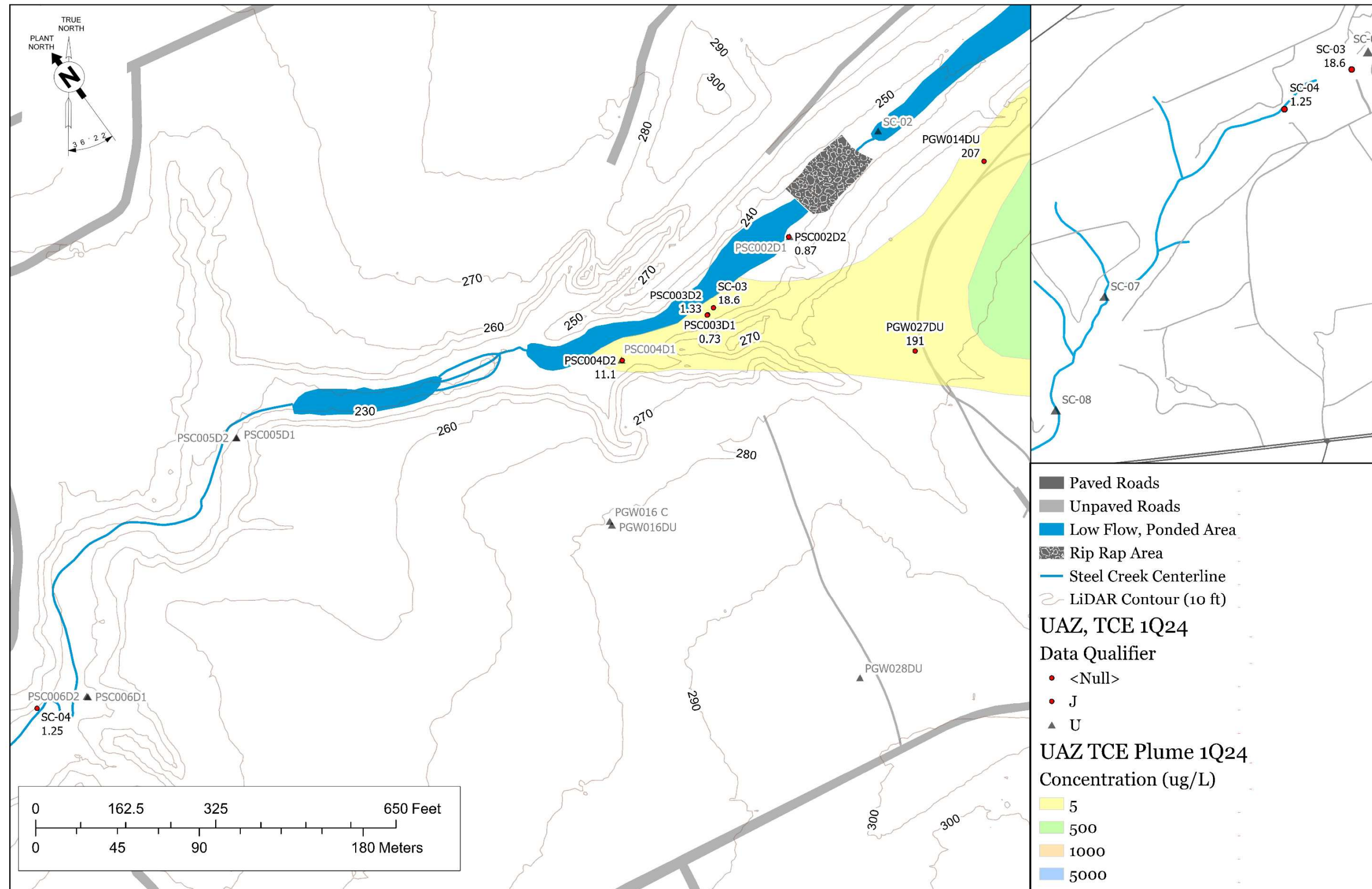


Figure 42. Surface Water and Shallow Well Station Locations for Trichloroethylene Surface Water Impact

This page intentionally left blank.

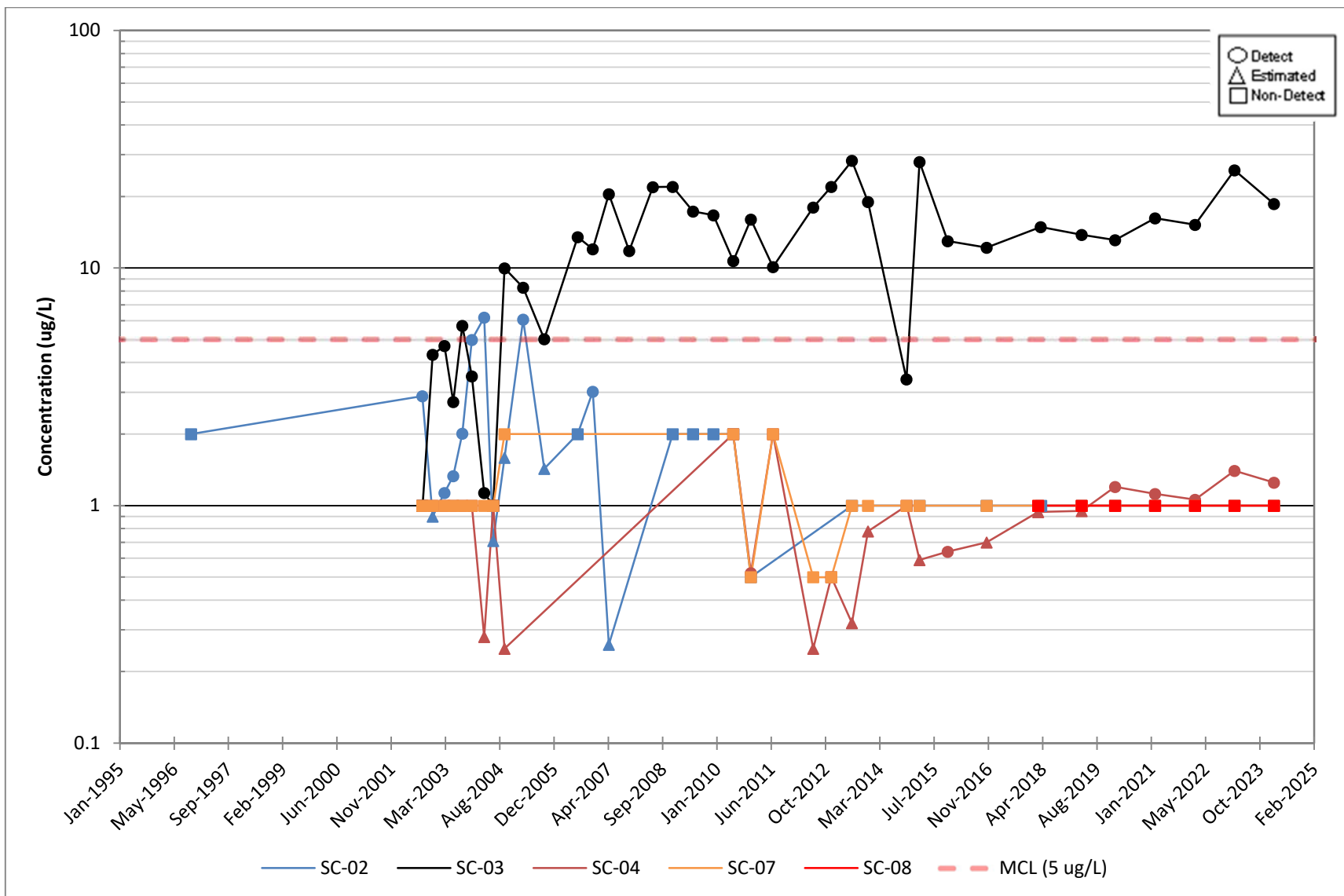


Figure 43. Time-Series Plots for Trichloroethylene at Surface Water Stations

This page intentionally left blank.

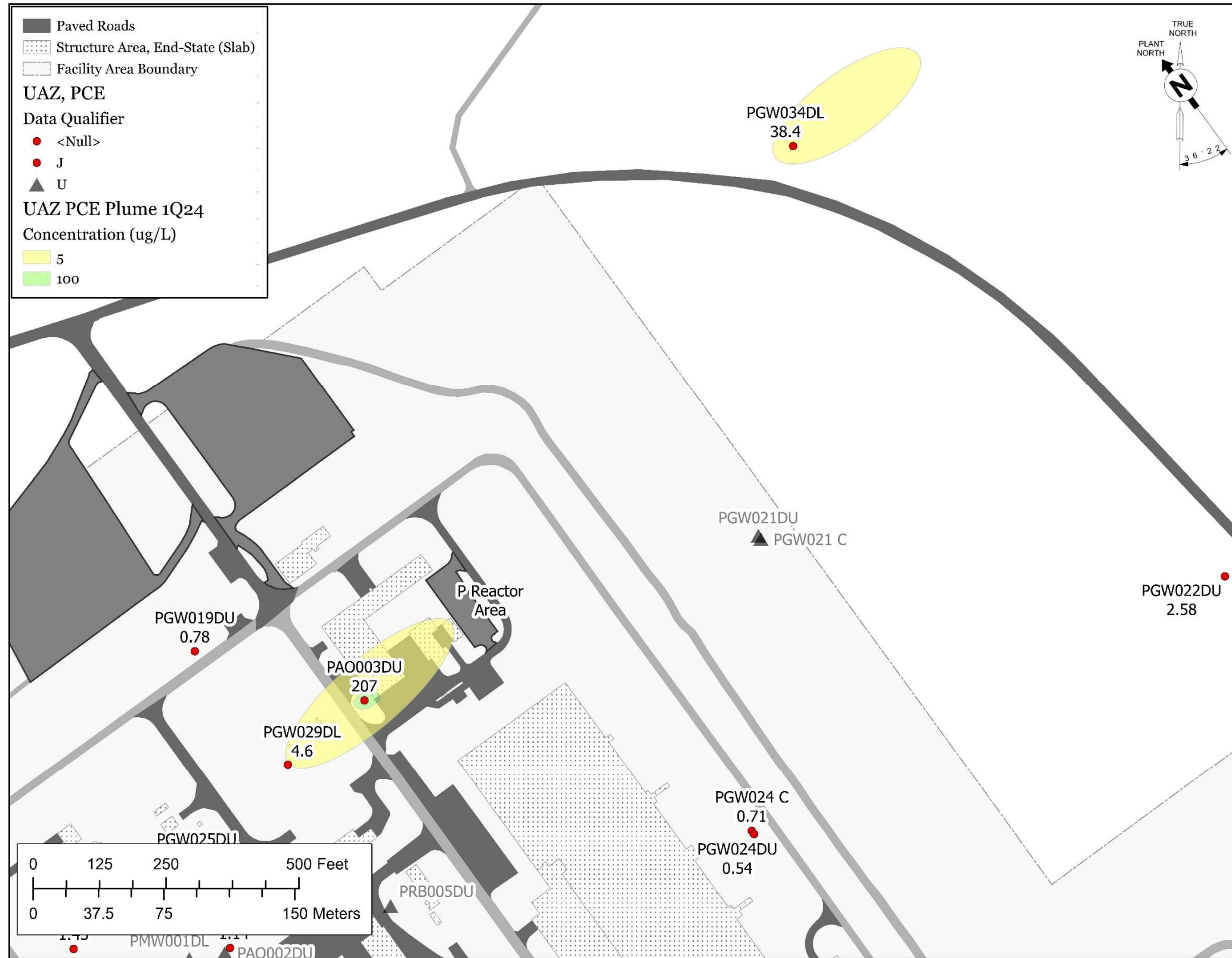


Figure 44. Upper Aquifer Zone PCE "Hot-Spot" at Groundwater Monitoring Well PGW034DL

This page intentionally left blank.

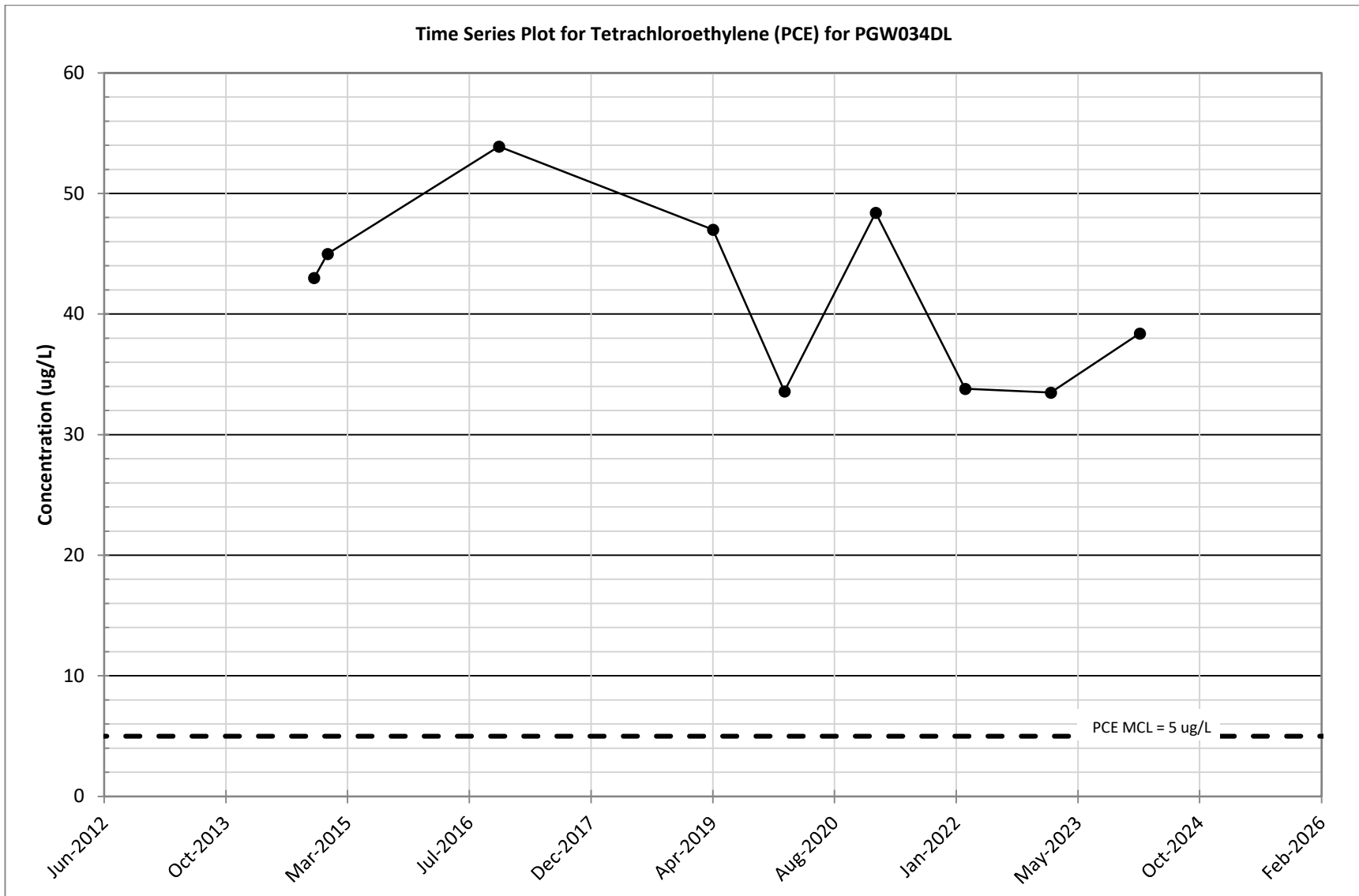


Figure 45. Time-Series Plot for PCE at PGW034DL

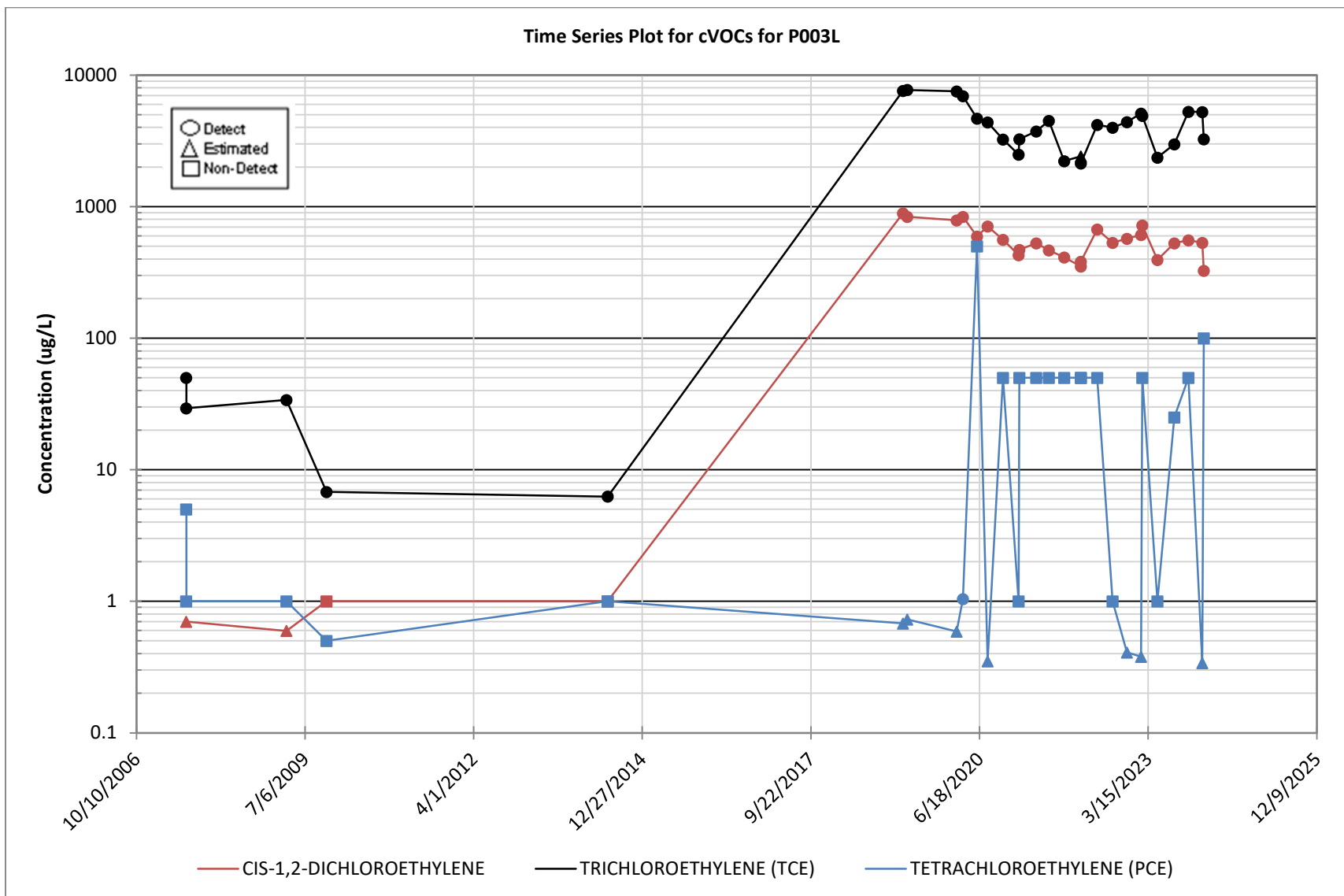


Figure 46. Time-Series Plots for cVOCs at P003L

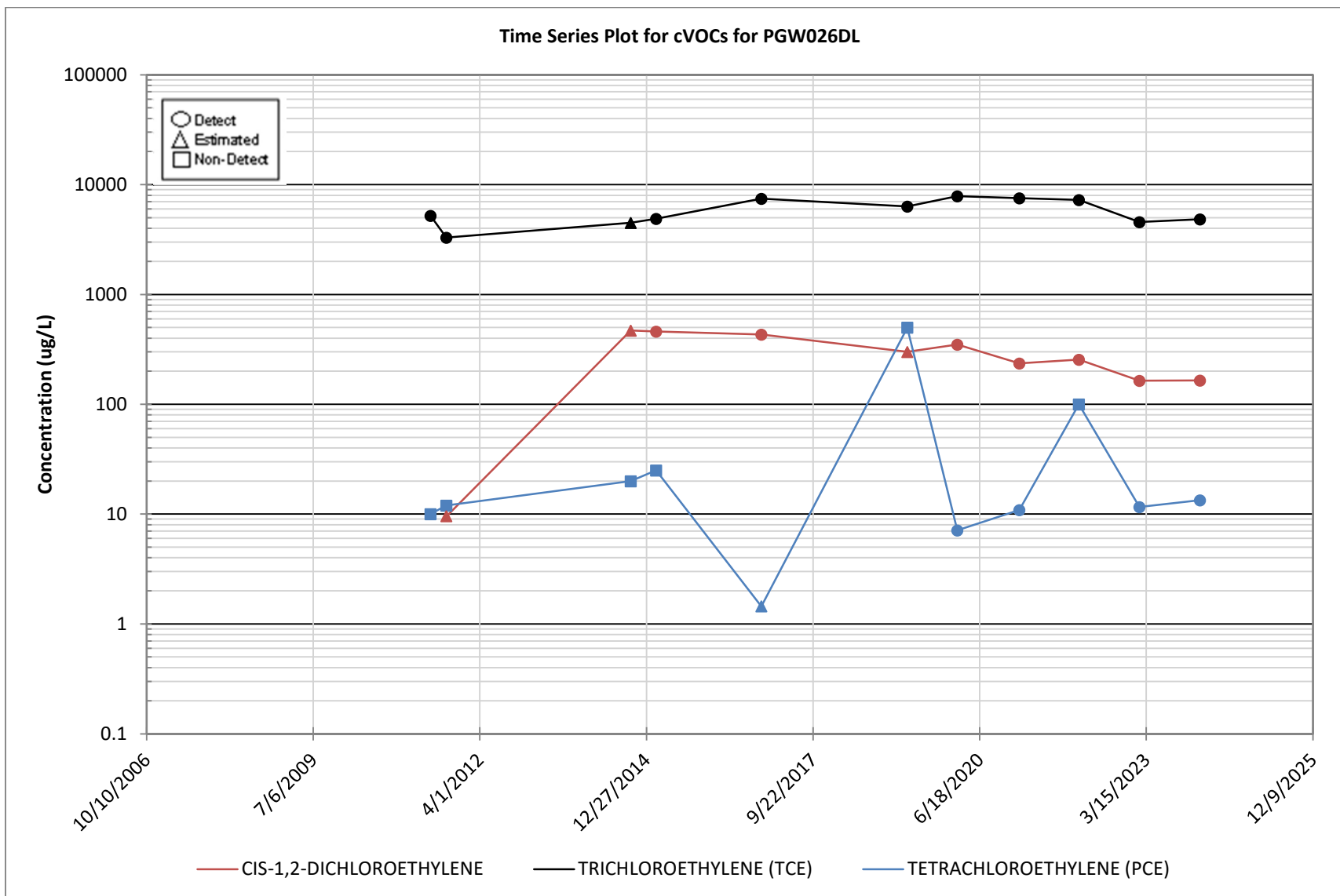


Figure 47. Time-Series Plots for cVOCs at PGW026DL

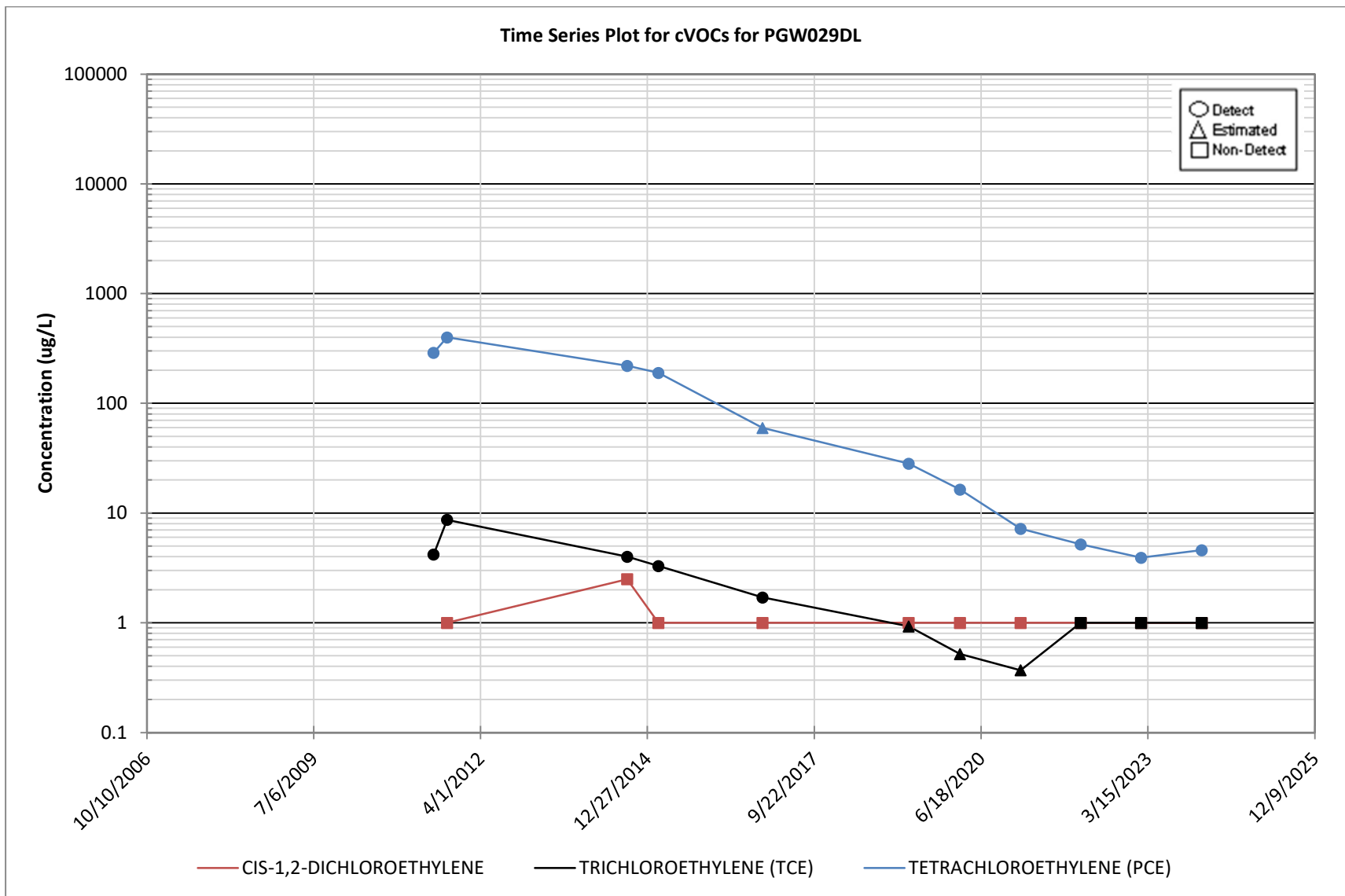


Figure 48. Time-Series Plots for cVOCs at PGW029DL

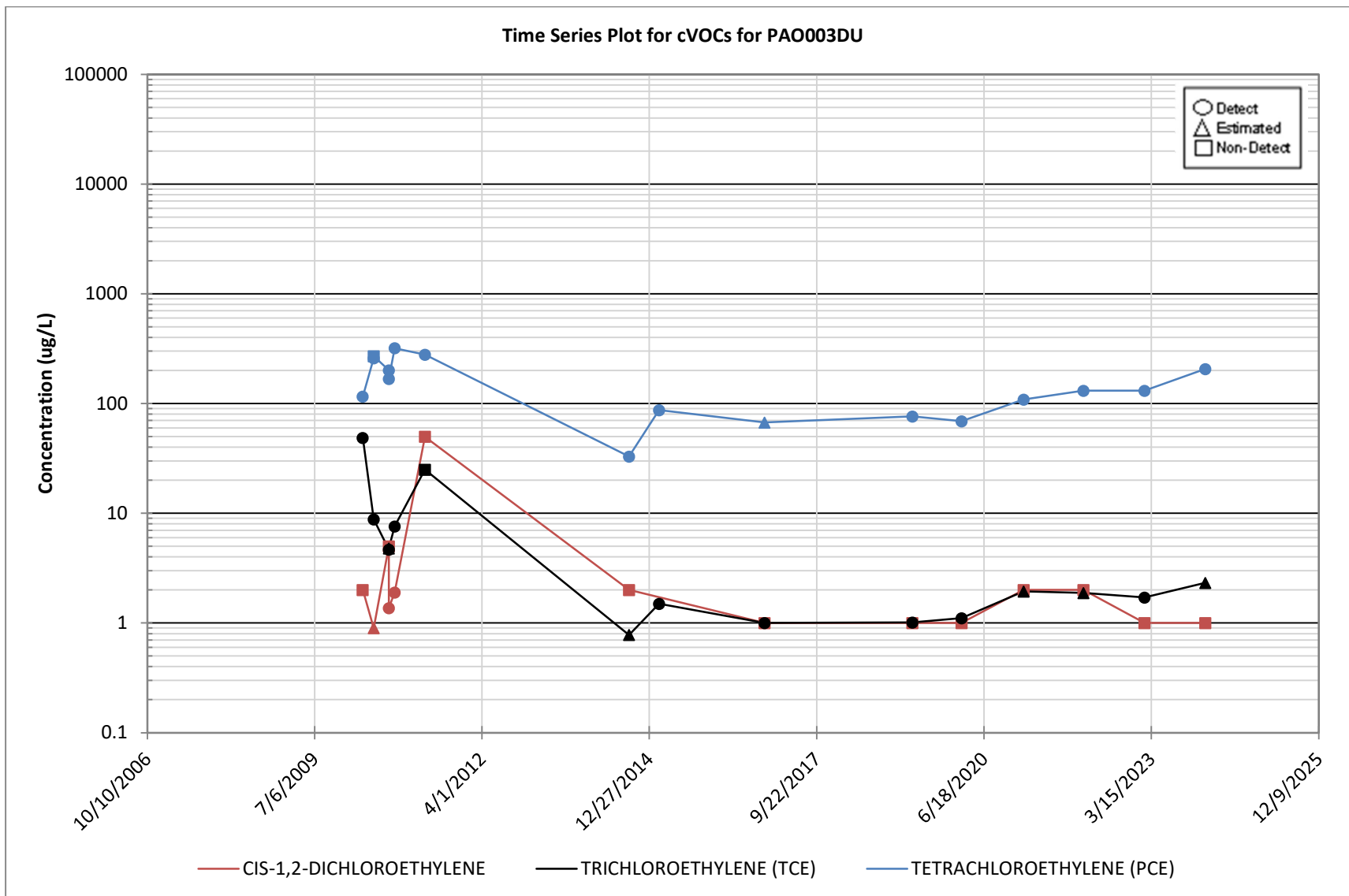


Figure 49. Time-Series Plots for cVOCs at PAO003DU

This page intentionally left blank.

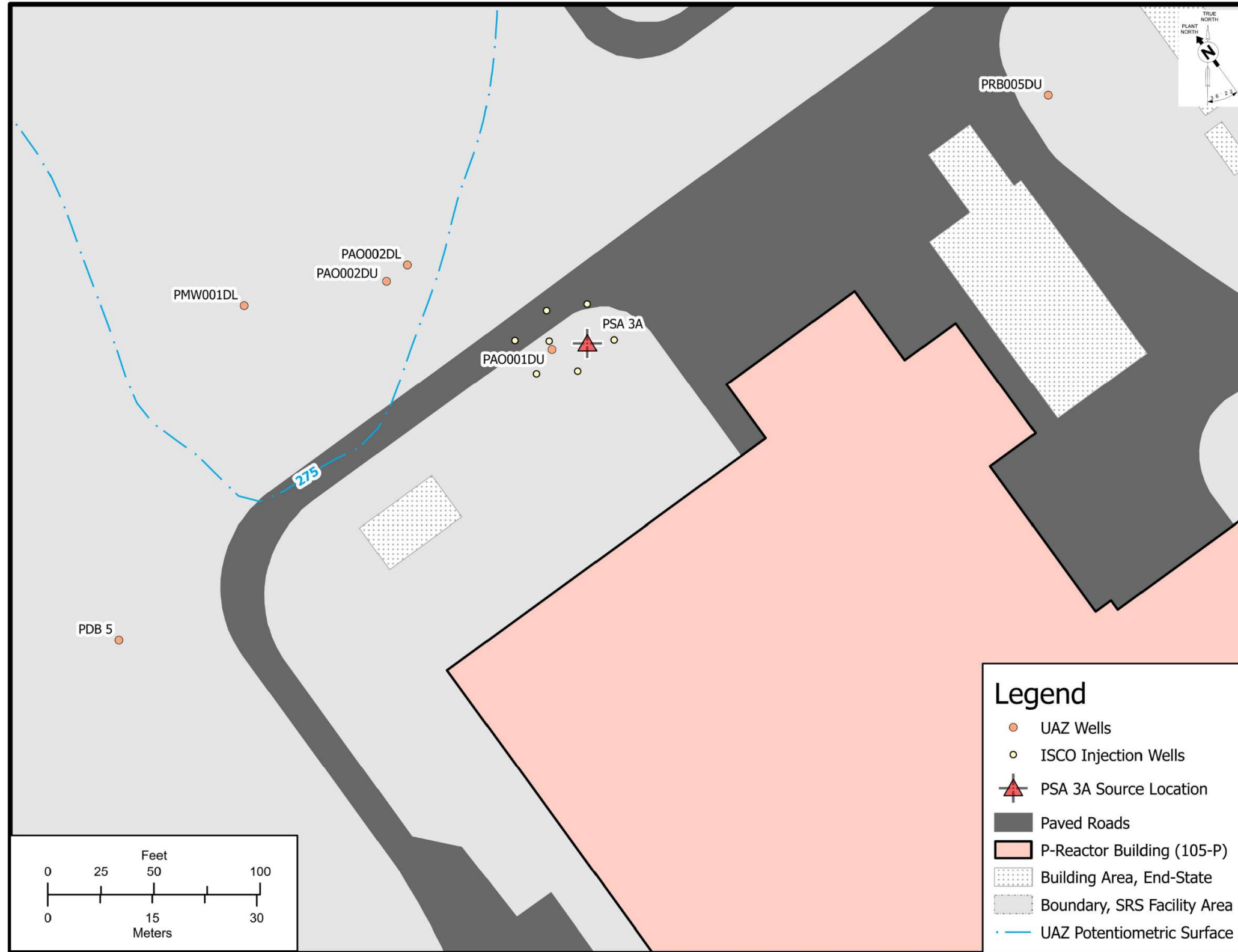


Figure 50. Location of In-Situ Chemical Oxidant Injections and Upper Aquifer Zone Monitoring Well PAO001DU

This page intentionally left blank.

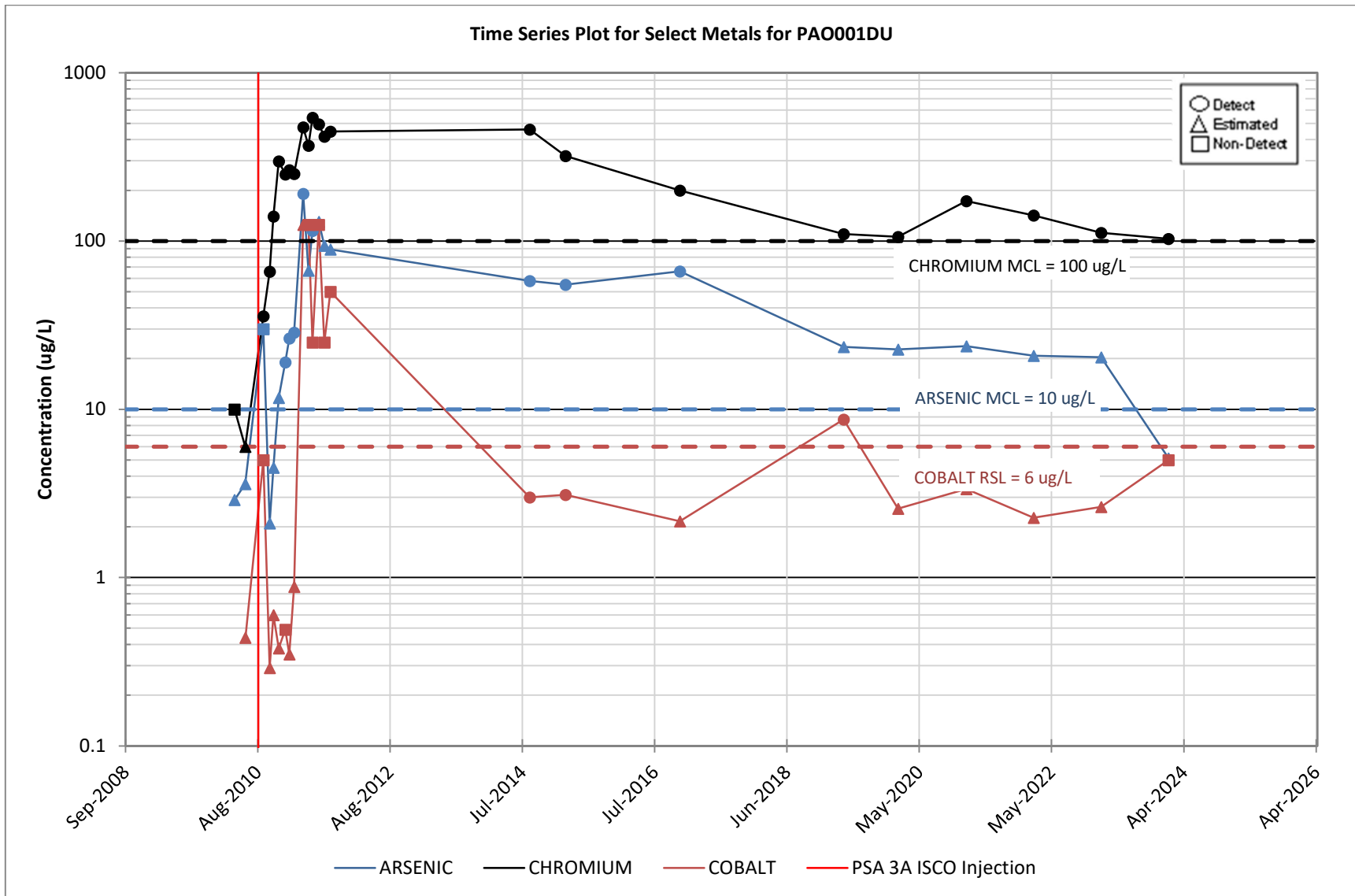


Figure 51. Time-Series Plot for Select Metals at PAO001DU

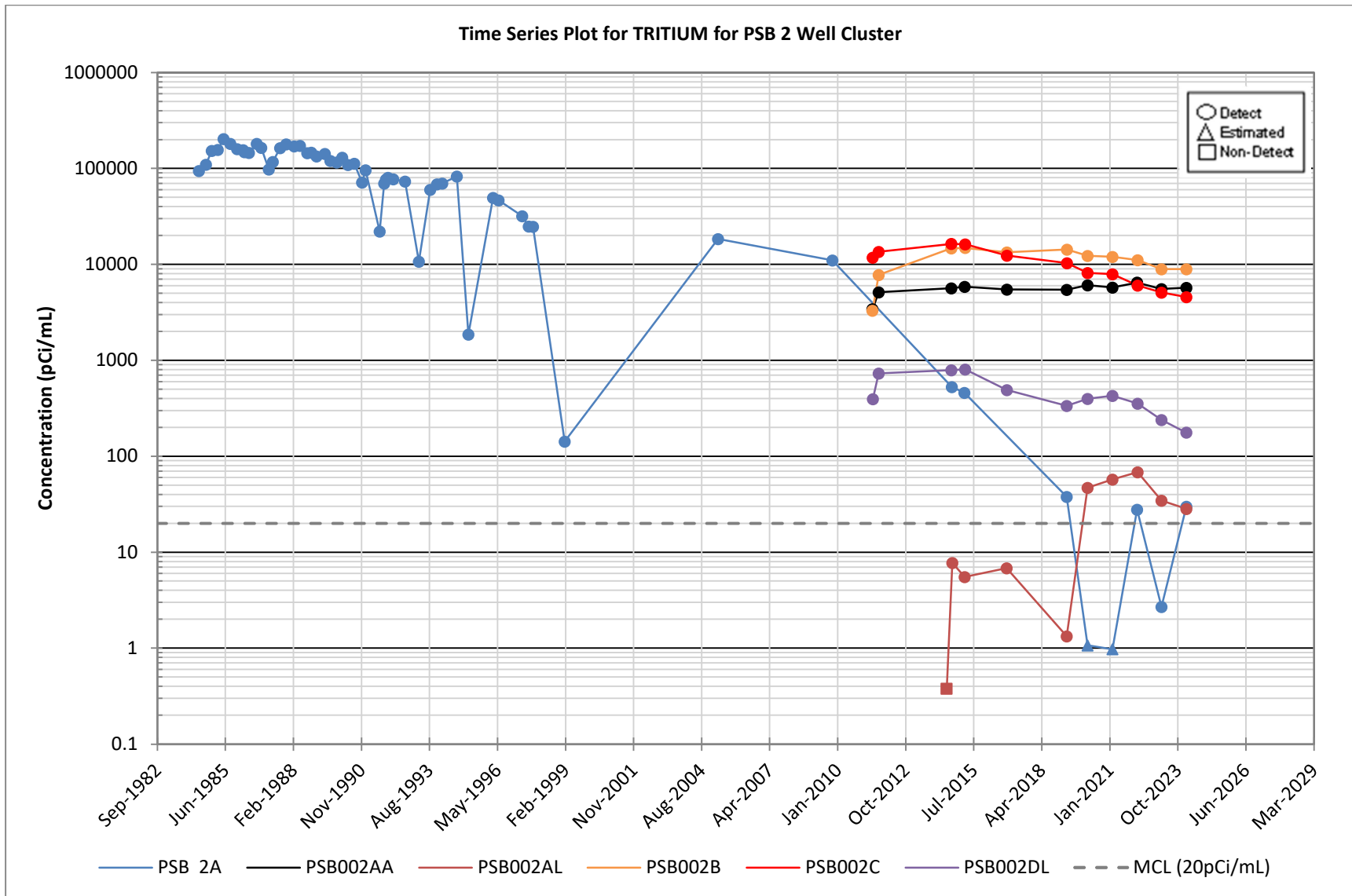


Figure 52. Time-Series Plots for Tritium at PSB 2 Well Group

Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page 91 of 104

Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit

Station ID	UTM NAD27		Station Type	Aquifer Designation	Screen Zone [ft amsl]	Analytes	Comments ^A
	Easting	Northing					
P 24A	446390.100	3676715.98	Groundwater	GAU	0.30 - 11.1	7	
CMP 8A	441651.290	3676857.73	Groundwater	GAU	13.7 - 23.7	7	Added to provide regional water levels in the GAU.
CMP 12A	441597.090	3676546.15	Groundwater	GAU	22.1 - 32.1	7	Added to provide regional water levels in the GAU.
LSW 6A	441305.920	3675346.71	Groundwater	GAU	43.3 - 49.5	7	Added to provide regional water levels in the GAU.
LSW 12A	440318.390	3673132.15	Groundwater	GAU	53.2 - 58.9	7	Added to provide regional water levels in the GAU.
LSW 17A	442245.620	3673072.31	Groundwater	GAU	10.3 - 16.0	7	Added to provide regional water levels in the GAU.
LSW 21A	440025.220	3674049.08	Groundwater	GAU	61.0 - 66.7	7	Added to provide regional water levels in the GAU.
LSW002AR	442201.728	3674079.34	Groundwater	GAU	3.16 - 8.82	7	Added to provide regional water levels in the GAU.
LSW027A	440451.958	3672266.65	Groundwater	GAU	23.7 - 29.4	7	Added to provide regional water levels in the GAU.
NPM 19E	440618.410	3679983.97	Groundwater	GAU	33.9 - 43.9	7	Added to provide regional water levels in the GAU.
NPM 34E	440715.710	3679222.28	Groundwater	GAU	33.1 - 43.1	7	Added to provide regional water levels in the GAU.
P 13A	446124.240	3673679.82	Groundwater	GAU	-67.3 - -57.4	7	Added to provide regional water levels in the GAU.
P 13B	446124.240	3673679.82	Groundwater	GAU	-7.2 - 3.0	7	Added to provide regional water levels in the GAU.
P 20B	446593.970	3681741.18	Groundwater	GAU	28.1 - 48.1	7	Added to provide regional water levels in the GAU.
P 21B	443349.130	3667529.48	Groundwater	GAU	-82.2 - -72.2	7	Added to provide regional water levels in the GAU.
P 22B	452145.160	3672413.85	Groundwater	GAU	-33.3 - -23.3	7	Added to provide regional water levels in the GAU.
P 23B	436719.840	3671545.38	Groundwater	GAU	41.5 - 46.5	7	Added to provide regional water levels in the GAU.
P 25B	438714.990	3674663.76	Groundwater	GAU	80.6 - 90.6	7	Added to provide regional water levels in the GAU.
PRP 6	445186.934	3676616.71	Groundwater	UAZ	234 - 249	7	Added to provide regional water levels in the UAZ.
P 24B	446393.500	3676713.02	Groundwater	LAZ	85.9 - 95.9	7	
P 24C	446397.000	3676709.92	Groundwater	LAZ	165.6 - 185.7	7	
P 24D	446400.350	3676706.97	Groundwater	UAZ	250.4 - 270.4	7	
P002U	445590.302	3676613.83	Groundwater	UAZ	221.01 - 226.01	1, 2, 6	
P003L	445619.078	3676627.09	Groundwater	UAZ	194.1 - 199.1	1, 2, 6	
P003U	445619.682	3676625.94	Groundwater	UAZ	223.44 - 228.44	1, 2, 6	
PAO001DU	445790.253	3676639.29	Groundwater	UAZ	254.44 - 274.44	1, 2, 4, 5, 6, 7	
PAO002DL	445769.478	3676651.41	Groundwater	UAZ	216.48 - 231.48	1, 2, 4, 5, 6, 7	Added to synchronous water level list.
PAO002DU	445766.470	3676649.07	Groundwater	UAZ	252.85 - 272.85	1, 2, 4, 5, 6, 7	Added to synchronous water level list.
PAO003DU	445846.528	3676792.53	Groundwater	UAZ	254.9 - 274.9	1, 2, 7	
PA5002D	447527.305	3675404.20	Groundwater	UAZ	187.96 - 197.96	7	
PA5003D	447590.835	3674744.52	Groundwater	UAZ	174.84 - 184.84	7	
PBP 1D	445739.865	3677173.22	Groundwater	UAZ	271.58 - 281.58	7	
PBP 2D	445672.563	3677075.29	Groundwater	UAZ	265.3 - 275.3	7	
PBP 3D	445687.704	3677132.31	Groundwater	UAZ	271.39 - 281.39	7	
PCB 2A	446213.520	3676089.63	Groundwater	UAZ	260 - 290	7	
PDB 2	445873.610	3676479.78	Groundwater	UAZ	250.56 - 271.56	1, 7	
PDB 3	445916.450	3676521.94	Groundwater	UAZ	250.74 - 271.74	1, 7	
PDB 4	445854.620	3676444.10	Groundwater	UAZ	268.64 - 288.64	1, 7	Tritium analysis added to monitoring due to observed tritium increases at nearby PDB 2.
PDB 5	445728.080	3676597.53	Groundwater	UAZ	266.59 - 286.59	1, 2, 7	
PDB003C	445938.943	3676546.01	Groundwater	LAZ	179.72 - 189.72	1, 2, 7	
PGW014 A	445261.245	3676546.09	Groundwater	GAU	-3.23 - 6.77	7	
PGW014 B	445262.514	3676547.92	Groundwater	LAZ	122.72 - 132.72	1, 2, 7	
PGW014 C	445263.779	3676549.86	Groundwater	LAZ	177.8 - 187.8	1, 2, 7	
PGW014DU	445264.871	3676551.67	Groundwater	UAZ	202.79 - 212.79	1, 2, 7	
PGW015 A	444792.999	3677071.90	Groundwater	GAU	24.14 - 34.14	7	
PGW015 B	444790.539	3677070.82	Groundwater	LAZ	151.61 - 161.61	7	
PGW015 C	444793.797	3677069.35	Groundwater	LAZ	177.06 - 187.06	7	
PGW015DU	444791.522	3677068.33	Groundwater	UAZ	208.95 - 218.95	7	

Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page 92 of 104

Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit (Continued)

Station ID	UTM NAD27		Station Type	Aquifer Designation	Screen Zone [ft amsl]	Analytes	Comments ^A
	Easting	Northing					
PGW016 B	445057.644	3676357.17	Groundwater	LAZ	129.31 - 139.31	1, 2, 7	
PGW016 C	445058.987	3676354.34	Groundwater	UAZ	197.71 - 207.71	1, 2, 7	
PGW016DU	445060.164	3676352.26	Groundwater	UAZ	231.91 - 241.91	1, 2, 7	
PGW017 B	445452.052	3676693.51	Groundwater	LAZ	153.03 - 163.03	1, 2, 7	
PGW017 C	445453.828	3676694.95	Groundwater	UAZ	188.01 - 198.01	1, 2, 7	
PGW017DU	445455.750	3676696.35	Groundwater	UAZ	248.14 - 258.14	1, 2, 7	
PGW018 B	445435.756	3676151.77	Groundwater	LAZ	141.19 - 151.19	1, 5, 7	
PGW018 C	445437.287	3676149.72	Groundwater	UAZ	187.34 - 197.34	1, 2, 7	
PGW018DU	445434.252	3676153.99	Groundwater	UAZ	247.51 - 257.51	1, 2, 7	
PGW019 B	445751.189	3676822.17	Groundwater	LAZ	160.85 - 170.85	1, 2, 7	
PGW019 C	445753.154	3676823.57	Groundwater	LAZ	180.65 - 190.65	1, 2, 7	
PGW019DU	445749.261	3676820.73	Groundwater	UAZ	215.37 - 225.37	1, 2, 7	
PGW-01A	445526.926	3677263.87	Groundwater	GAU	85.02 - 95.03	7	
PGW-01B	445523.413	3677263.73	Groundwater	LAZ	152.73 - 162.73	7	
PGW-01C	445534.086	3677264.18	Groundwater	LAZ	178.87 - 188.87	7	
PGW-01DL	445530.817	3677264.07	Groundwater	UAZ	219.94 - 229.94	7	
PGW020 B	445820.753	3676412.81	Groundwater	LAZ	153.17 - 163.17	7	
PGW020 C	445822.201	3676410.93	Groundwater	LAZ	183.07 - 193.07	7	
PGW020DU	445823.614	3676409.09	Groundwater	UAZ	228.04 - 238.04	7	
PGW021 B	446075.325	3676883.52	Groundwater	LAZ	159.51 - 169.51	1, 2, 7	
PGW021 C	446073.879	3676885.56	Groundwater	UAZ	199.51 - 209.51	1, 2, 7	
PGW021DU	446072.401	3676887.53	Groundwater	UAZ	215.51 - 225.51	1, 2, 7	
PGW022 B	446335.496	3676864.15	Groundwater	LAZ	148.32 - 158.32	1, 2, 7	
PGW022 C	446337.730	3676863.93	Groundwater	LAZ	183.46 - 193.46	1, 2, 7	
PGW022DU	446339.988	3676863.73	Groundwater	UAZ	213.73 - 223.73	1, 2, 7	
PGW023 B	446472.472	3676725.74	Groundwater	LAZ	169.16 - 179.16	7	
PGW023 C	446470.618	3676724.36	Groundwater	UAZ	208.92 - 218.92	7	
PGW023DU	446468.717	3676723.09	Groundwater	UAZ	253.54 - 263.54	7	
PGW024 A	446065.244	3676722.78	Groundwater	GAU	62.34 - 72.34	7	
PGW024 B	446066.558	3676720.88	Groundwater	LAZ	172.49 - 182.49	1, 2, 7	
PGW024 C	446068.636	3676717.87	Groundwater	UAZ	212.44 - 222.44	1, 2, 7	
PGW024DU	446069.939	3676716.03	Groundwater	UAZ	252.51 - 262.51	1, 2, 7	
PGW025 A	445734.067	3676689.86	Groundwater	GAU	35.83 - 45.83	7	
PGW025 B	445735.867	3676691.32	Groundwater	LAZ	160.74 - 170.74	1, 2, 7	
PGW025 C	445737.766	3676692.85	Groundwater	UAZ	196.01 - 206.01	1, 2, 7	
PGW025DU	445739.676	3676694.32	Groundwater	UAZ	216.09 - 226.09	1, 2, 7	
PGW026B	445388.407	3676612.47	Groundwater	LAZ	121.98 - 131.99	1, 2, 7	
PGW026C	445390.389	3676614.66	Groundwater	LAZ	151.97 - 161.97	1, 2, 7	
PGW026DL	445391.493	3676616.00	Groundwater	UAZ	196.81 - 206.81	1, 2, 7	
PGW027C	445227.206	3676441.83	Groundwater	LAZ	147.28 - 157.29	1, 2, 7	
PGW027DL	445227.073	3676444.44	Groundwater	LAZ	170.25 - 180.26	1, 2, 7	
PGW027DU	445226.969	3676447.38	Groundwater	UAZ	205.09 - 215.09	1, 2, 7	
PGW028C	445193.279	3676265.80	Groundwater	LAZ	177.07 - 187.07	1, 2, 7	
PGW028DU	445196.587	3676268.25	Groundwater	UAZ	219.21 - 229.21	1, 2, 7	
PGW029C	445800.553	3676754.31	Groundwater	LAZ	180.18 - 190.19	1, 2, 7	
PGW029DL	445802.651	3676755.73	Groundwater	UAZ	222.03 - 232.03	1, 2, 7	
PGW-02A	443783.152	3675635.89	Groundwater	GAU	32.15 - 42.16	7	
PGW-02C	443783.406	3675633.21	Groundwater	LAZ	157.68 - 167.71	7	
PGW-02CU	443779.705	3675632.70	Groundwater	LAZ	178.88 - 188.88	7	
PGW-02DL	443783.481	3675630.36	Groundwater	UAZ	196.28 - 206.29	7	
PGW030B	445844.450	3676750.65	Groundwater	LAZ	180.59 - 190.61	1, 2, 7	
PGW030BL	445843.280	3676752.36	Groundwater	LAZ	155.81 - 165.82	1, 2, 7	
PGW031B	446038.977	3676793.40	Groundwater	LAZ	158.15 - 168.15	1, 2, 7	
PGW031C	446037.742	3676795.25	Groundwater	LAZ	181.22 - 191.22	1, 2, 7	
PGW033A	445831.993	3676320.49	Groundwater	GAU	98.84 - 108.94	1, 7	
PGW034DL	446092.356	3677110.74	Groundwater	UAZ	204.52 - 214.52	1, 2, 7	
PGW035C	445490.361	3676563.46	Groundwater	LAZ	186.68 - 196.68	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PGW035CU	445493.455	3676563.81	Groundwater	LAZ	149.41 - 159.38	1, 2, 7	New monitoring well added to screen the upper LAZ.
PGW035D	445486.846	3676562.94	Groundwater	UAZ	236.65 - 251.67	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PGW-03A	445988.766	3676038.45	Groundwater	GAU	87.85 - 97.86	1, 7	
PGW-03B	445990.873	3676040.06	Groundwater	LAZ	133.85 - 143.87	7	
PGW-03C	445992.960	3676041.54	Groundwater	LAZ	167.73 - 177.73	7	
PGW-03DL	445995.213	3676043.11	Groundwater	UAZ	215.3 - 225.3	7	
PGW-04A	444800.626	3675999.23	Groundwater	GAU	84.23 - 94.27	7	
PGW-04B	444802.971	3676000.82	Groundwater	LAZ	118.64 - 128.66	7	
PGW-04C	444805.210	3676002.71	Groundwater	LAZ	167.24 - 177.25	7	

Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page 93 of 104

Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit (Continued)

Station ID	UTM NAD27		Station Type	Aquifer Designation	Screen Zone [ft amsl]	Analytes	Comments ^A
	Easting	Northing					
PGW-04DL	444807.539	3676004.49	Groundwater	UAZ	205.34 - 215.35	7	
PGW-05A	447908.324	3675686.81	Groundwater	GAU	1.92 - 11.94	7	
PGW-05B	447906.432	3675688.79	Groundwater	LAZ	52.89 - 62.92	7	
PGW-05C	447904.612	3675690.67	Groundwater	LAZ	139.49 - 149.56	7	
PGW-06A	446841.329	3676941.76	Groundwater	GAU	60.13 - 70.13	7	
PGW-06B	446840.001	3676938.87	Groundwater	GAU	101.58 - 111.61	7	
PGW-06C	446843.701	3676947.40	Groundwater	LAZ	146.87 - 156.88	7	
PGW-06DL	446844.911	3676950.25	Groundwater	UAZ	199.7 - 209.72	7	
PGW-07A	445792.687	3677017.05	Groundwater	GAU	108.7 - 118.7	7	
PGW-07B	445793.988	3677014.64	Groundwater	LAZ	158.79 - 168.79	7	
PGW-07C	445795.512	3677012.13	Groundwater	LAZ	183.29 - 193.29	7	
PGW-07DL	445796.931	3677009.51	Groundwater	UAZ	223.89 - 233.89	7	
PGW-08A	444599.681	3675111.85	Groundwater	LAZ	62.25 - 72.27	7	
PGW-08B	444599.373	3675109.07	Groundwater	LAZ	121.17 - 131.2	7	
PGW-08C	444599.168	3675106.24	Groundwater	LAZ	180.55 - 190.57	7	
PGW-08DL	444599.010	3675103.30	Groundwater	UAZ	216.37 - 226.4	7	
PGW-09A	445284.403	3674419.21	Groundwater	GAU	25.96 - 35.98	7	
PGW-09B	445284.592	3674421.79	Groundwater	LAZ	113.91 - 123.93	7	
PGW-09C	445288.056	3674424.54	Groundwater	LAZ	151.81 - 161.81	7	
PGW-09DL	445284.631	3674424.54	Groundwater	UAZ	217 - 222.01	7	
PGW-10B	446953.143	3674679.32	Groundwater	LAZ	69.84 - 79.86	7	
PGW-10C	446947.157	3674678.43	Groundwater	LAZ	145.07 - 155.08	7	
PGW-10CU	446949.425	3674681.48	Groundwater	UAZ	190.91 - 200.91	7	
PGW-10DL	446949.919	3674678.94	Groundwater	UAZ	199.9 - 209.9	7	
PGW-11A	446180.975	3678260.22	Groundwater	GAU	16.55 - 26.56	7	
PGW-11B	446183.525	3678259.93	Groundwater	GAU	67.63 - 77.66	7	
PGW-11C	446186.536	3678259.52	Groundwater	LAZ	150.86 - 160.87	7	
PGW-11DL	446189.547	3678259.11	Groundwater	UAZ	199.57 - 209.58	7	
PGW-12A	447825.990	3677061.37	Groundwater	GAU	33.47 - 43.48	7	
PGW-12C	447825.039	3677058.79	Groundwater	LAZ	154.61 - 164.62	7	
PGW-12DL	447824.142	3677056.14	Groundwater	UAZ	208.16 - 218.15	7	
PGW-13A	444101.502	3676743.92	Groundwater	GAU	60.17 - 70.2	7	
PGW-13C	444100.054	3676746.22	Groundwater	LAZ	128.87 - 138.89	7	
PGW-13CU	444102.963	3676748.07	Groundwater	LAZ	149.87 - 159.87	7	
PGW-13DL	444098.509	3676748.60	Groundwater	UAZ	189.75 - 199.77	7	
PIW001D	445593.458	3676633.67	Groundwater	UAZ	203.78 - 223.78	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PIW002D	445598.784	3676614.63	Groundwater	UAZ	218.81 - 233.81	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PIW003D	445599.979	3676594.61	Groundwater	UAZ	220.77 - 240.77	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PIW004D	445603.804	3676580.50	Groundwater	UAZ	231.49 - 251.49	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PMP004DL	445677.978	3676618.63	Groundwater	UAZ	216.79 - 231.79	1, 2, 6, 7	Added to synchronous water level list.
PMP007DL	445679.756	3676650.81	Groundwater	UAZ	212.87 - 227.77	1, 2, 6, 7	Added to synchronous water level list.
PMP008DL	445667.277	3676635.93	Groundwater	UAZ	213.21 - 228.21	1, 2, 6, 7	Added to synchronous water level list.
PMW001DL	445746.069	3676645.58	Groundwater	UAZ	217.76 - 232.76	1, 2, 6, 7	
PMW005DL	445693.490	3676633.91	Groundwater	UAZ	215.79 - 230.79	1, 2, 6, 7	
PRB001DU	445835.042	3676500.00	Groundwater	UAZ	249.85 - 269.87	1, 7	
PRB002DU	445793.365	3676545.55	Groundwater	UAZ	249.96 - 269.98	1, 2, 7	
PRB003C	445962.694	3676408.48	Groundwater	LAZ	180.43 - 190.46	1, 2, 3, 4, 5, 6, 7	
PRB003DU	445964.477	3676412.53	Groundwater	UAZ	250.22 - 270.25	1, 2, 3, 4, 5, 6, 7	
PRB004DU	445905.852	3676613.90	Groundwater	UAZ	249.45 - 269.47	1, 2, 7	
PRB005C	445866.257	3676675.05	Groundwater	LAZ	169.26 - 179.24	1, 2, 7	
PRB005DU	445861.479	3676675.76	Groundwater	UAZ	248.89 - 268.91	1, 2, 7	
PRP 1A	445122.880	3676625.52	Groundwater	UAZ	234.7 - 264.7	7	
PRP 2	445164.120	3676670.50	Groundwater	UAZ	236.6 - 266.6	7	
PRP 5	445281.370	3676683.92	Groundwater	UAZ	202.78 - 212.76	7	
PRP 7	445156.165	3676605.45	Groundwater	UAZ	231.99 - 246.99	7	

Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit (Continued)

Station ID	UTM NAD27		Station Type	Aquifer Designation	Screen Zone [ft amsl]	Analytes	Comments ^A
	Easting	Northing					
PRW001C	445599.856	3676626.18	Groundwater	LAZ	152.88 - 162.88	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW001DL	445598.400	3676629.39	Groundwater	UAZ	188.67 - 198.67	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW001DU	445596.390	3676631.83	Groundwater	UAZ	216.79 - 226.79	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW002C	445588.620	3676621.32	Groundwater	LAZ	151.11 - 161.11	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW002DL	445586.884	3676624.49	Groundwater	UAZ	191.86 - 201.86	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW002DU	445586.013	3676627.68	Groundwater	UAZ	218.06 - 228.06	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW003C	445610.688	3676608.89	Groundwater	LAZ	162.68 - 172.68	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW003DL	445604.840	3676615.30	Groundwater	UAZ	204.05 - 214.05	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW003DU	445611.109	3676604.25	Groundwater	UAZ	237.92 - 247.92	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW004C	445595.691	3676606.23	Groundwater	LAZ	157.28 - 167.28	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW004DL	445594.545	3676609.29	Groundwater	UAZ	189.55 - 199.55	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW004DU	445597.673	3676601.84	Groundwater	UAZ	236.71 - 246.71	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW005DL	445591.976	3676642.71	Groundwater	UAZ	185.89 - 195.86	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW005DU	445590.410	3676640.25	Groundwater	UAZ	258.00 - 272.97	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW006C	445552.492	3676617.36	Groundwater	LAZ	153.62 - 163.59	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW006DL	445555.601	3676617.96	Groundwater	UAZ	177.50 - 192.48	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.

Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit (Continued)

Station ID	UTM NAD27		Station Type	Aquifer Designation	Screen Zone [ft amsl]	Analytes	Comments ^A
	Easting	Northing					
PRW006DU	445558.455	3676619.18	Groundwater	UAZ	234.29 - 244.26	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW007DL	445591.877	3676578.65	Groundwater	UAZ	196.93 - 206.90	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PRW007DU	445591.375	3676581.42	Groundwater	UAZ	236.10 - 246.07	7	New monitoring well to monitor ZVI-PRB effectiveness. Added to synchronous water level list.
PSB 1A	445706.340	3676398.04	Groundwater	UAZ	259.3 - 289.3	1, 3, 5, 7	
PSB 2A	445652.170	3676356.01	Groundwater	UAZ	258.9 - 288.9	1, 5, 7	
PSB 3A	445574.100	3676294.42	Groundwater	UAZ	258.8 - 288.8	1, 5, 7	
PSB 4A	445525.900	3676234.61	Groundwater	UAZ	257.7 - 287.7	1, 5, 7	
PSB 5A	445606.630	3676258.07	Groundwater	UAZ	264.5 - 294.5	7	
PSB 6A	445698.390	3676323.17	Groundwater	UAZ	264.4 - 294.4	7	
PSB 7A	445757.490	3676410.40	Groundwater	UAZ	260.9 - 290.9	1, 5, 7	
PSB 8	445837.418	3676342.55	Groundwater	UAZ	263.96 - 273.96	7	
PSB 10	445429.971	3676290.00	Groundwater	UAZ	258.57 - 268.57	7	
PSB 11	445426.521	3676383.42	Groundwater	UAZ	253.56 - 263.56	1, 5, 7	
PSB002AA	445656.558	3676357.96	Groundwater	GAU	105.27 - 115.27	1, 7	
PSB002AL	445655.832	3676361.38	Groundwater	GAU	-0.09 - 9.93	1, 7	
PSB002B	445658.726	3676359.54	Groundwater	LAZ	135.37 - 145.39	1, 5, 7	
PSB002C	445648.524	3676354.04	Groundwater	LAZ	179.93 - 189.93	1, 5, 7	
PSB002DL	445646.276	3676352.36	Groundwater	UAZ	246.71 - 256.72	1, 5, 7	
PSB003DL	445571.726	3676296.97	Groundwater	UAZ	240.2 - 250.22	1, 5, 7	
PSB011A	445423.978	3676395.99	Groundwater	GAU	90.33 - 100.35	1, 7	
PSB011B	445423.720	3676390.93	Groundwater	LAZ	163.85 - 173.85	1, 5, 7	
PSB011C	445423.415	3676387.47	Groundwater	LAZ	194.77 - 204.76	1, 5, 7	
PSB011DL	445423.078	3676384.77	Groundwater	UAZ	216.49 - 226.49	1, 5, 7	
PSC002D1	445157.898	3676510.66	Seepline	UAZ	234.03 - 236.03	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC002D2	445157.337	3676510.27	Seepline	UAZ	229.41 - 231.41	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC003D1	445112.829	3676467.13	Seepline	UAZ	233 - 235	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC003D2	445112.539	3676466.96	Seepline	UAZ	228.71 - 230.71	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC004D1	445065.430	3676442.72	Seepline	UAZ	231.57 - 233.57	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC004D2	445065.834	3676442.21	Seepline	UAZ	230.12 - 232.12	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC005D1	444853.975	3676400.09	Seepline	UAZ	227.98 - 229.98	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC005D2	444853.654	3676400.04	Seepline	UAZ	224.69 - 226.69	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
PSC006D1	444772.287	3676257.77	Seepline	UAZ	228.98 - 230.98	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.

**Table 1. Monitoring Well Network for the P-Area Groundwater Operable Unit
 (Continued/End)**

Station ID	UTM NAD27		Station Type	Aquifer Designation	Screen Zone [ft amsl]	Analytes	Comments ^A
	Easting	Northing					
PSC006D2	444771.591	3676258.11	Seepage	UAZ	221.25 - 223.25	1, 2, 7	Installed during 2018 SAP Addendum characterization. Added to synchronous water level list.
RGW 4C	444576.284	3677465.99	Groundwater	LAZ	132.7 - 142.7	7	
RGW 4D	444577.180	3677468.98	Groundwater	UAZ	184.56 - 194.56	7	
RGW 5C	445941.943	3678018.32	Groundwater	LAZ	109.33 - 119.33	7	
RGW 5D	445938.600	3678017.73	Groundwater	UAZ	186.62 - 196.62	7	
RGW 6C	446723.719	3676545.11	Groundwater	LAZ	105.72 - 115.72	7	
RGW 6D	446720.512	3676546.02	Groundwater	UAZ	202.54 - 212.54	7	
RGW 9C	443118.529	3675949.37	Groundwater	LAZ	104.78 - 114.78	7	
RGW 9D	443116.012	3675952.87	Groundwater	UAZ	154.19 - 164.19	7	
SC-02	445206.639	3676568.60	Surface Water	Surface Water	N/A	1, 2	
SC-03	445115.999	3676471.00	Surface Water	Surface Water	N/A	1, 2	
SC-04	444744.214	3676251.20	Surface Water	Surface Water	N/A	1, 2	
SC-07	443749.357	3675216.03	Surface Water	Surface Water	N/A	1, 2	
SC-08	443480.225	3674589.19	Surface Water	Surface Water	N/A	1, 2	

^A Comments provided for monitoring stations added to the monitoring network since the 2018 SAP Addendum (SRNS 2018).

UAZ - Upper Aquifer Zone of the Upper Three Runs Aquifer

LAZ - Lower Aquifer Zone of the Upper Three Runs Aquifer

GAU - Gordan Aquifer Unit

Analyte Code:

1- Tritium

2- Reduced VOC list

- 1,1-Dichloroethylene
- Chloroethene (Vinyl Chloride)
- cis-1,2-Dichloroethylene
- trans-1,2-Dichloroethylene
- Ethene
- Ethane
- Tetrachloroethylene (PCE)
- Trichloroethylene (TCE)

3- Strontium-90

4- TAL Metals, Chloride, Uranium

5- Gross Alpha, Nonvolatile Beta

6- Total Phosphate (as P), Total Organic Carbon, Sulfate, Sulfide, Nitrate, Dissolved Organic Carbon, Total Inorganic Carbon,

Ferric Iron, Ferrous Iron

7- Synchronous Water Level

Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
CMP 8A	5-Jul-2023	GAU	229.8	47.48	182.32
CMP 8A	3-Jan-2024	GAU	229.8	48.05	181.75
CMP 12A	5-Jul-2023	GAU	284.2	103.05	181.15
CMP 12A	3-Jan-2024	GAU	284.2	102.05	182.15
LSW 6A	5-Jul-2023	GAU	237.69	62.37	175.32
LSW 6A	3-Jan-2024	GAU	237.69	62.9	174.79
LSW 12A	5-Jul-2023	GAU	235.74	64.91	170.83
LSW 12A	3-Jan-2024	GAU	235.74	52.51	183.23
LSW 17A	5-Jul-2023	GAU	242.02	69.7	172.32
LSW 17A	3-Jan-2024	GAU	242.02	41.75	200.27
LSW 20A	5-Jul-2023	GAU	270.9	60.7	210.2
LSW 20A	3-Jan-2024	GAU	270.9	60.6	210.3
LSW 21A	5-Jul-2023	GAU	210.16	30.95	179.21
LSW 21A	3-Jan-2024	GAU	210.16	29.75	180.41
LSW002AR	5-Jul-2023	GAU	201.33	26.24	175.09
LSW002AR	3-Jan-2024	GAU	201.33	26.63	174.7
LSW027A	6-Jul-2023	GAU	197.6	27.33	170.27
LSW027A	3-Jan-2024	GAU	197.6	27.74	169.86
NPM 19E	5-Jul-2023	GAU	331.7	146.3	185.4
NPM 19E	3-Jan-2024	GAU	331.7	146.4	185.3
NPM 34E	5-Jul-2023	GAU	322.7	137.64	185.06
NPM 34E	3-Jan-2024	GAU	322.7	137.72	184.98
P 13A	6-Jul-2023	GAU	255.2	83	172.2
P 13A	3-Jan-2024	GAU	255.2	83.43	171.77
P 13B	6-Jul-2023	GAU	255.4	78.6	176.8
P 13B	3-Jan-2024	GAU	255.4	79.18	176.22
P 20B	5-Jul-2023	GAU	289.8	94.9	194.9
P 20B	3-Jan-2024	GAU	289.8	94.94	194.86
P 21B	6-Jul-2023	GAU	210.1	80.8	129.3
P 21B	3-Jan-2024	GAU	210.1	81.59	128.51
P 22B	5-Jul-2023	GAU	218.3	105.5	112.8
P 22B	3-Jan-2024	GAU	218.3	65.82	152.48
P 23B	6-Jul-2023	GAU	183.7	46.7	137
P 23B	3-Jan-2024	GAU	183.7	46.81	136.89
P 24A	5-Jul-2023	GAU	315.3	124.2	191.1
P 24A	3-Jan-2024	GAU	315.3	124.37	190.93
P 24B	5-Jul-2023	LAZ	315.4	95.14	220.26
P 24B	3-Jan-2024	LAZ	315.4	94.78	220.62
P 24C	5-Jul-2023	LAZ	315.6	66.5	249.1
P 24C	3-Jan-2024	LAZ	315.6	65.63	249.97
P 24D	5-Jul-2023	UAZ	315.4	47.31	268.09
P 24D	3-Jan-2024	UAZ	315.4	46.2	269.2
P 25B	6-Jul-2023	GAU	267.4	86.7	180.7

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
P 25B	3-Jan-2024	GAU	267.4	86.3	181.1
PAO001DU	5-Jul-2023	UAZ	318.74	41.26	277.48
PAO001DU	3-Jan-2024	UAZ	318.74	41.4	277.34
PAO003DU	5-Jul-2023	UAZ	318.5	40.43	278.07
PAO003DU	3-Jan-2024	UAZ	318.5	40.62	277.88
PAS002D	5-Jul-2023	UAZ	244.96	7.1	237.86
PAS002D	3-Jan-2024	UAZ	244.96	7.37	237.59
PAS003D	5-Jul-2023	UAZ	242.84	6.8	236.04
PAS003D	3-Jan-2024	UAZ	242.84	8.45	234.39
PBP 1D	5-Jul-2023	UAZ	317.58	38.53	279.05
PBP 1D	3-Jan-2024	UAZ	317.58	37.4	280.18
PBP 2D	5-Jul-2023	UAZ	316.3	37.83	278.47
PBP 2D	3-Jan-2024	UAZ	316.3	37	279.3
PBP 3D	5-Jul-2023	UAZ	319.39	40.43	278.96
PBP 3D	3-Jan-2024	UAZ	319.39	38.1	281.29
PCB 2A	5-Jul-2023	UAZ	305	30.9	274.1
PCB 2A	3-Jan-2024	UAZ	305	41.9	263.1
PDB 2	5-Jul-2023	UAZ	319.76	42.14	277.62
PDB 2	3-Jan-2024	UAZ	319.76	41.7	278.06
PDB 3	5-Jul-2023	UAZ	319.74	41.2	278.54
PDB 3	3-Jan-2024	UAZ	319.74	41.5	278.24
PDB 4	5-Jul-2023	UAZ	319.54	42.6	276.94
PDB 4	3-Jan-2024	UAZ	319.54	41.7	277.84
PDB 5	5-Jul-2023	UAZ	319.59	44	275.59
PDB 5	3-Jan-2024	UAZ	319.59	43	276.59
PDB003C	5-Jul-2023	LAZ	319.17	45.87	273.3
PDB003C	3-Jan-2024	LAZ	319.17	45	274.17
PGW014 A	5-Jul-2023	GAU	277.77	89.22	188.55
PGW014 A	3-Jan-2024	GAU	277.77	89.68	188.09
PGW014 B	5-Jul-2023	LAZ	277.72	46.9	230.82
PGW014 B	3-Jan-2024	LAZ	277.72	46.17	231.55
PGW014 C	5-Jul-2023	LAZ	277.8	28.88	248.92
PGW014 C	3-Jan-2024	LAZ	277.8	28.45	249.35
PGW014DU	5-Jul-2023	UAZ	277.79	35.42	242.37
PGW014DU	3-Jan-2024	UAZ	277.79	35.15	242.64
PGW015 A	5-Jul-2023	GAU	304.64	117.74	186.9
PGW015 A	3-Jan-2024	GAU	304.64	118.85	185.79
PGW015 B	5-Jul-2023	LAZ	304.61	49.23	255.38
PGW015 B	3-Jan-2024	LAZ	304.61	50.41	254.2
PGW015 C	5-Jul-2023	LAZ	304.06	42.72	261.34
PGW015 C	3-Jan-2024	LAZ	304.06	44.13	259.93
PGW015DU	5-Jul-2023	UAZ	303.95	33.76	270.19
PGW015DU	3-Jan-2024	UAZ	303.95	36.35	267.6

Data Report for the PAGW OU (U) 2024
 Savannah River Site
 February 2025

Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells (Continued)

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PGW016 B	5-Jul-2023	LAZ	284.31	54.66	229.65
PGW016 B	3-Jan-2024	LAZ	284.31	52.26	232.05
PGW016 C	5-Jul-2023	UAZ	284.71	44.91	239.8
PGW016 C	3-Jan-2024	UAZ	284.71	44.5	240.21
PGW016DU	5-Jul-2023	UAZ	284.91	44.66	240.25
PGW016DU	3-Jan-2024	UAZ	284.91	44.27	240.64
PGW017 B	5-Jul-2023	LAZ	308.03	48.72	259.31
PGW017 B	3-Jan-2024	LAZ	308.03	52.59	255.44
PGW017 C	5-Jul-2023	UAZ	308.01	42.48	265.53
PGW017 C	3-Jan-2024	UAZ	308.01	42.23	265.78
PGW017DU	5-Jul-2023	UAZ	308.14	38.82	269.32
PGW017DU	3-Jan-2024	UAZ	308.14	38.5	269.64
PGW018 B	5-Jul-2023	LAZ	307.19	41.18	266.01
PGW018 B	3-Jan-2024	LAZ	307.19	38.8	268.39
PGW018 C	5-Jul-2023	UAZ	307.34	52.1	255.24
PGW018 C	3-Jan-2024	UAZ	307.34	50.44	256.9
PGW018DU	5-Jul-2023	UAZ	307.51	38.51	269
PGW018DU	3-Jan-2024	UAZ	307.51	35.77	271.74
PGW019 B	5-Jul-2023	LAZ	315.85	66.85	249
PGW019 B	3-Jan-2024	LAZ	315.85	66.16	249.69
PGW019 C	5-Jul-2023	LAZ	315.65	57.51	258.14
PGW019 C	3-Jan-2024	LAZ	315.65	57.03	258.62
PGW019DU	5-Jul-2023	UAZ	315.37	39.75	275.62
PGW019DU	3-Jan-2024	UAZ	315.37	39.98	275.39
PGW-01A	5-Jul-2023	GAU	312.99	82.2	230.79
PGW-01A	3-Jan-2024	GAU	312.99	80.2	232.79
PGW-01B	5-Jul-2023	LAZ	313.03	71.5	241.53
PGW-01B	3-Jan-2024	LAZ	313.03	70.5	242.53
PGW-01C	5-Jul-2023	LAZ	312.92	52	260.92
PGW-01C	3-Jan-2024	LAZ	312.92	51	261.92
PGW-01DL	5-Jul-2023	UAZ	312.74	42.5	270.24
PGW-01DL	3-Jan-2024	UAZ	312.74	41.5	271.24
PGW020 B	5-Jul-2023	LAZ	323.17	64.48	258.69
PGW020 B	3-Jan-2024	LAZ	323.17	63.43	259.74
PGW020 C	5-Jul-2023	LAZ	323.07	50.65	272.42
PGW020 C	3-Jan-2024	LAZ	323.07	49.78	273.29
PGW020DU	5-Jul-2023	UAZ	323.04	47.53	275.51
PGW020DU	3-Jan-2024	UAZ	323.04	46.67	276.37
PGW021 B	5-Jul-2023	LAZ	314.51	69.15	245.36
PGW021 B	3-Jan-2024	LAZ	314.51	68.7	245.81
PGW021 C	5-Jul-2023	UAZ	314.51	45.32	269.19
PGW021 C	3-Jan-2024	UAZ	314.51	44.69	269.82
PGW021DU	5-Jul-2023	UAZ	314.51	45.25	269.26

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PGW021DU	3-Jan-2024	UAZ	314.51	45.6	268.91
PGW022 B	5-Jul-2023	LAZ	293.32	62.6	230.72
PGW022 B	3-Jan-2024	LAZ	293.32	62.28	231.04
PGW022 C	5-Jul-2023	LAZ	293.46	53.15	240.31
PGW022 C	3-Jan-2024	LAZ	293.46	52.77	240.69
PGW022DU	5-Jul-2023	UAZ	293.73	29.65	264.08
PGW022DU	3-Jan-2024	UAZ	293.73	29	264.73
PGW023 B	5-Jul-2023	LAZ	309.16	70.44	238.72
PGW023 B	3-Jan-2024	LAZ	309.16	70.31	238.85
PGW023 C	5-Jul-2023	UAZ	308.92	44.71	264.21
PGW023 C	3-Jan-2024	UAZ	308.92	45.08	263.84
PGW023DU	5-Jul-2023	UAZ	309.04	41.5	267.54
PGW023DU	3-Jan-2024	UAZ	309.04	41.88	267.16
PGW024 A	5-Jul-2023	GAU	319.34	95.35	223.99
PGW024 A	3-Jan-2024	GAU	319.34	95.18	224.16
PGW024 B	5-Jul-2023	LAZ	319.49	74.38	245.11
PGW024 B	3-Jan-2024	LAZ	319.49	73.85	245.64
PGW024 C	5-Jul-2023	UAZ	319.44	48.53	270.91
PGW024 C	3-Jan-2024	UAZ	319.44	47.6	271.84
PGW024DU	5-Jul-2023	UAZ	319.51	47.02	272.49
PGW024DU	3-Jan-2024	UAZ	319.51	46.04	273.47
PGW025 A	5-Jul-2023	GAU	315.83	125.35	190.48
PGW025 A	3-Jan-2024	GAU	315.83	124.41	191.42
PGW025 B	5-Jul-2023	LAZ	315.74	62.38	253.36
PGW025 B	3-Jan-2024	LAZ	315.74	62.07	253.67
PGW025 C	5-Jul-2023	UAZ	316.01	42.15	273.86
PGW025 C	3-Jan-2024	UAZ	316.01	42.4	273.61
PGW025DU	5-Jul-2023	UAZ	316.09	41.05	275.04
PGW025DU	3-Jan-2024	UAZ	316.09	41.53	274.56
PGW026B	5-Jul-2023	LAZ	291.8	41.42	250.38
PGW026B	3-Jan-2024	LAZ	291.8	41.11	250.69
PGW026C	5-Jul-2023	LAZ	291.77	33.6	258.17
PGW026C	3-Jan-2024	LAZ	291.77	33.46	258.31
PGW026DL	5-Jul-2023	UAZ	291.62	29	262.62
PGW026DL	3-Jan-2024	UAZ	291.62	28.92	262.7
PGW027C	5-Jul-2023	LAZ	282.08	45.05	237.03
PGW027C	3-Jan-2024	LAZ	282.08	44.72	237.36
PGW027DL	5-Jul-2023	LAZ	281.88	37.65	244.23
PGW027DL	3-Jan-2024	LAZ	281.88	37.93	243.95
PGW027DU	5-Jul-2023	UAZ	281.76	41.42	240.34
PGW027DU	3-Jan-2024	UAZ	281.76	41.55	240.21
PGW028C	5-Jul-2023	LAZ	298.7	52.95	245.75
PGW028C	3-Jan-2024	LAZ	298.7	52.79	245.91

Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells (Continued)

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PGW028DU	6-Jul-2023	UAZ	298.91	48.35	250.56
PGW028DU	3-Jan-2024	UAZ	298.91	48.35	250.56
PGW029C	6-Jul-2023	LAZ	316.82	61.05	255.77
PGW029C	3-Jan-2024	LAZ	316.82	60.99	255.83
PGW029DL	6-Jul-2023	UAZ	316.69	41.64	275.05
PGW029DL	3-Jan-2024	UAZ	316.69	41.7	274.99
PGW-02A	5-Jul-2023	GAU	253.84	71.9	181.94
PGW-02A	3-Jan-2024	GAU	253.84	71.8	182.04
PGW-02C	5-Jul-2023	LAZ	253.77	26.3	227.47
PGW-02C	3-Jan-2024	LAZ	253.77	25.9	227.87
PGW-02CU	5-Jul-2023	LAZ	253.88	26.65	227.23
PGW-02CU	3-Jan-2024	LAZ	253.88	25.7	228.18
PGW-02DL	5-Jul-2023	UAZ	253.83	28.85	224.98
PGW-02DL	3-Jan-2024	UAZ	253.83	28.5	225.33
PGW030B	6-Jul-2023	LAZ	317.27	63.3	253.97
PGW030B	3-Jan-2024	LAZ	317.27	62.72	254.55
PGW030BL	6-Jul-2023	LAZ	317.49	81.75	235.74
PGW030BL	3-Jan-2024	LAZ	317.49	81.19	236.3
PGW031B	6-Jul-2023	LAZ	318.01	74.49	243.52
PGW031B	3-Jan-2024	LAZ	318.01	73.88	244.13
PGW031C	6-Jul-2023	LAZ	317.89	71.95	245.94
PGW031C	3-Jan-2024	LAZ	317.89	71.33	246.56
PGW033A	6-Jul-2023	GAU	332.14	95.7	236.44
PGW033A	3-Jan-2024	GAU	332.14	95.03	237.11
PGW034DL	6-Jul-2023	UAZ	313.02	47.45	265.57
PGW034DL	3-Jan-2024	UAZ	313.02	47.02	266
PGW035C	6-Jul-2023	LAZ	326.68	59.45	267.23
PGW035C	3-Jan-2024	LAZ	326.68	58.8	267.88
PGW035CU	6-Jul-2023	LAZ	326.59	66.3	260.29
PGW035CU	3-Jan-2024	LAZ	326.59	65.65	260.94
PGW035D	6-Jul-2023	UAZ	326.65	55	271.65
PGW035D	3-Jan-2024	UAZ	326.65	54.24	272.41
PGW-03A	5-Jul-2023	GAU	326.36	98.5	227.86
PGW-03A	3-Jan-2024	GAU	326.36	97.4	228.96
PGW-03B	5-Jul-2023	LAZ	325.87	69.5	256.37
PGW-03B	3-Jan-2024	LAZ	325.87	66.5	259.37
PGW-03C	5-Jul-2023	LAZ	325.73	60.4	265.33
PGW-03C	3-Jan-2024	LAZ	325.73	58.2	267.53
PGW-03DL	5-Jul-2023	UAZ	325.3	50.8	274.5
PGW-03DL	3-Jan-2024	UAZ	325.3	48.7	276.6
PGW-04A	5-Jul-2023	GAU	280.27	53.4	226.87
PGW-04A	3-Jan-2024	GAU	280.27	50.7	229.57
PGW-04B	5-Jul-2023	LAZ	280.24	53.1	227.14

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PGW-04B	3-Jan-2024	LAZ	280.24	50.7	229.54
PGW-04C	5-Jul-2023	LAZ	280.25	52.8	227.45
PGW-04C	3-Jan-2024	LAZ	280.25	50.3	229.95
PGW-04DL	5-Jul-2023	UAZ	280.04	45	235.04
PGW-04DL	3-Jan-2024	UAZ	280.04	42.9	237.14
PGW-05A	5-Jul-2023	GAU	245.63	64	181.63
PGW-05A	3-Jan-2024	GAU	245.63	63.4	182.23
PGW-05B	5-Jul-2023	LAZ	245.59	51.8	193.79
PGW-05B	3-Jan-2024	LAZ	245.59	50.8	194.79
PGW-05C	5-Jul-2023	LAZ	245.56	26.9	218.66
PGW-05C	3-Jan-2024	LAZ	245.56	26.3	219.26
PGW-06A	5-Jul-2023	GAU	297.13	81.2	215.93
PGW-06A	3-Jan-2024	GAU	297.13	80.15	216.98
PGW-06B	5-Jul-2023	GAU	297.61	80.4	217.21
PGW-06B	3-Jan-2024	GAU	297.61	79.41	218.2
PGW-06C	5-Jul-2023	LAZ	296.87	60.5	236.37
PGW-06C	3-Jan-2024	LAZ	296.87	59.56	237.31
PGW-06DL	5-Jul-2023	UAZ	296.7	35.1	261.6
PGW-06DL	3-Jan-2024	UAZ	296.7	35.3	261.4
PGW-07A	5-Jul-2023	GAU	323.8	95.5	228.3
PGW-07A	3-Jan-2024	GAU	323.8	94.8	229
PGW-07B	5-Jul-2023	LAZ	324.09	88.7	235.39
PGW-07B	3-Jan-2024	LAZ	324.09	88.14	235.95
PGW-07C	5-Jul-2023	LAZ	323.99	65.5	258.49
PGW-07C	3-Jan-2024	LAZ	323.99	65.51	258.48
PGW-07DL	5-Jul-2023	UAZ	323.99	51	272.99
PGW-07DL	3-Jan-2024	UAZ	323.99	51.4	272.59
PGW-08A	5-Jul-2023	LAZ	300.9	72.8	228.1
PGW-08A	3-Jan-2024	LAZ	300.9	71.29	229.61
PGW-08B	5-Jul-2023	LAZ	301.2	73.1	228.1
PGW-08B	3-Jan-2024	LAZ	301.2	71.51	229.69
PGW-08C	5-Jul-2023	LAZ	301.7	64	237.7
PGW-08C	3-Jan-2024	LAZ	301.7	62.68	239.02
PGW-08DL	5-Jul-2023	UAZ	301.52	49.1	252.42
PGW-08DL	3-Jan-2024	UAZ	301.52	49.49	252.03
PGW-09A	5-Jul-2023	GAU	311.78	125	186.78
PGW-09A	3-Jan-2024	GAU	311.78	123.62	188.16
PGW-09B	5-Jul-2023	LAZ	311.73	66.9	244.83
PGW-09B	3-Jan-2024	LAZ	311.73	65.51	246.22
PGW-09C	5-Jul-2023	LAZ	311.81	54.6	257.21
PGW-09C	3-Jan-2024	LAZ	311.81	54.52	257.29
PGW-09DL	5-Jul-2023	UAZ	311.7	43.6	268.1
PGW-09DL	3-Jan-2024	UAZ	311.7	44.72	266.98

Data Report for the PAGW OU (U) 2024
 Savannah River Site
 February 2025

Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells (Continued)

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PGW-10B	5-Jul-2023	LAZ	255.86	35.57	220.29
PGW-10B	3-Jan-2024	LAZ	255.86	35.85	220.01
PGW-10C	5-Jul-2023	LAZ	256.08	26.4	229.68
PGW-10C	3-Jan-2024	LAZ	256.08	27.24	228.84
PGW-10CU	5-Jul-2023	UAZ	255.91	12.13	243.78
PGW-10CU	3-Jan-2024	UAZ	255.91	15.4	240.51
PGW-10DL	5-Jul-2023	UAZ	255.9	12.12	243.78
PGW-10DL	3-Jan-2024	UAZ	255.9	15.36	240.54
PGW-11A	5-Jul-2023	GAU	276.06	80.39	195.67
PGW-11A	3-Jan-2024	GAU	276.06	79.52	196.54
PGW-11B	5-Jul-2023	GAU	275.83	80.08	195.75
PGW-11B	3-Jan-2024	GAU	275.83	80.28	195.55
PGW-11C	5-Jul-2023	LAZ	275.55	47.62	227.93
PGW-11C	3-Jan-2024	LAZ	275.55	47.68	227.87
PGW-11DL	5-Jul-2023	UAZ	275.26	43.26	232
PGW-11DL	3-Jan-2024	UAZ	275.26	43.85	231.41
PGW-12A	5-Jul-2023	GAU	275.48	83.19	192.29
PGW-12A	3-Jan-2024	GAU	275.48	83.3	192.18
PGW-12C	5-Jul-2023	LAZ	275.62	51.01	224.61
PGW-12C	3-Jan-2024	LAZ	275.62	50.92	224.7
PGW-12DL	5-Jul-2023	UAZ	275.54	25.08	250.46
PGW-12DL	3-Jan-2024	UAZ	275.54	24.04	251.5
PGW-13A	5-Jul-2023	GAU	290.2	104.72	185.48
PGW-13A	3-Jan-2024	GAU	290.2	105.2	185
PGW-13C	5-Jul-2023	LAZ	289.89	52.31	237.58
PGW-13C	3-Jan-2024	LAZ	289.89	52.62	237.27
PGW-13CU	5-Jul-2023	LAZ	289.87	46.71	243.16
PGW-13CU	3-Jan-2024	LAZ	289.87	46.9	242.97
PGW-13DL	5-Jul-2023	UAZ	289.66	37.02	252.64
PGW-13DL	3-Jan-2024	UAZ	289.66	36.81	252.85
PIW001D	6-Jul-2023	UAZ	313.035	39.3	273.735
PIW001D	3-Jan-2024	UAZ	313.035	39.05	273.985
PIW002D	6-Jul-2023	UAZ	314.335	40.19	274.145
PIW002D	3-Jan-2024	UAZ	314.335	40.25	274.085
PIW003D	6-Jul-2023	UAZ	315.43	41.4	274.03
PIW003D	3-Jan-2024	UAZ	315.43	41.27	274.16
PIW004D	6-Jul-2023	UAZ	316.906	42.71	274.196
PIW004D	3-Jan-2024	UAZ	316.906	42.58	274.326
PMW001DL	6-Jul-2023	UAZ	317.26	42.73	274.53
PMW001DL	3-Jan-2024	UAZ	317.26	42.6	274.66
PMW005DL	6-Jul-2023	UAZ	315.79	40.9	274.89
PMW005DL	3-Jan-2024	UAZ	315.79	40.5	275.29
PRB001DU	6-Jul-2023	UAZ	319.52	42.23	277.29

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PRB001DU	3-Jan-2024	UAZ	319.52	42.15	277.37
PRB002DU	6-Jul-2023	UAZ	319.64	42.64	277
PRB002DU	3-Jan-2024	UAZ	319.64	42.7	276.94
PRB003C	6-Jul-2023	LAZ	319.97	46.65	273.32
PRB003C	3-Jan-2024	LAZ	319.97	45.74	274.23
PRB003DU	6-Jul-2023	UAZ	319.89	41.45	278.44
PRB003DU	3-Jan-2024	UAZ	319.89	40.43	279.46
PRB004DU	6-Jul-2023	UAZ	319.12	39.93	279.19
PRB004DU	3-Jan-2024	UAZ	319.12	40.95	278.17
PRB005C	6-Jul-2023	LAZ	318.8	65.5	253.3
PRB005C	3-Jan-2024	LAZ	318.8	64.9	253.9
PRB005DU	6-Jul-2023	UAZ	318.57	40.48	278.09
PRB005DU	3-Jan-2024	UAZ	318.57	40.85	277.72
PRP 1A	6-Jul-2023	UAZ	284.7	36.8	247.9
PRP 1A	3-Jan-2024	UAZ	284.7	36.43	248.27
PRP 2	6-Jul-2023	UAZ	286.6	28.3	258.3
PRP 2	3-Jan-2024	UAZ	286.6	31.8	254.8
PRP 5	6-Jul-2023	UAZ	287.76	30.95	256.81
PRP 5	3-Jan-2024	UAZ	287.76	30.65	257.11
PRP 6	6-Jul-2023	UAZ	281.87	31.28	250.59
PRP 6	3-Jan-2024	UAZ	281.87	31.2	250.67
PRP 7	6-Jul-2023	UAZ	281.99	41.05	240.94
PRP 7	3-Jan-2024	UAZ	281.99	41.04	240.95
PRW001C	6-Jul-2023	LAZ	313.3	51.02	262.28
PRW001C	3-Jan-2024	LAZ	313.3	50.53	262.77
PRW001DL	6-Jul-2023	UAZ	313.19	40.28	272.91
PRW001DL	3-Jan-2024	UAZ	313.19	40.03	273.16
PRW001DU	6-Jul-2023	UAZ	313.18	39.2	273.98
PRW001DU	3-Jan-2024	UAZ	313.18	38.98	274.2
PRW002C	6-Jul-2023	LAZ	313.61	51.55	262.06
PRW002C	3-Jan-2024	LAZ	313.61	51.03	262.58
PRW002DL	6-Jul-2023	UAZ	313.69	41.43	272.26
PRW002DL	3-Jan-2024	UAZ	313.69	40.83	272.86
PRW002DU	6-Jul-2023	UAZ	313.63	40.31	273.32
PRW002DU	3-Jan-2024	UAZ	313.63	39.88	273.75
PRW003C	6-Jul-2023	LAZ	313.41	51.29	262.12
PRW003C	3-Jan-2024	LAZ	313.41	50.62	262.79
PRW003DL	6-Jul-2023	UAZ	314.02	41.21	272.81
PRW003DL	3-Jan-2024	UAZ	314.02	40.82	273.2
PRW003DU	6-Jul-2023	UAZ	313.8	39.43	274.37
PRW003DU	3-Jan-2024	UAZ	313.8	39.01	274.79
PRW004C	6-Jul-2023	LAZ	314.89	52.73	262.16
PRW004C	3-Jan-2024	LAZ	314.89	51.93	262.96

Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells (Continued)

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PRW004DL	6-Jul-2023	UAZ	314.63	42.61	272.02
PRW004DL	3-Jan-2024	UAZ	314.63	42.04	272.59
PRW004DU	6-Jul-2023	UAZ	315.12	41.1	274.02
PRW004DU	3-Jan-2024	UAZ	315.12	40.56	274.56
PRW005DL	6-Jul-2023	UAZ	312.71	39.91	272.8
PRW005DL	3-Jan-2024	UAZ	312.71	39.58	273.13
PRW005DU	6-Jul-2023	UAZ	312.9	38.7	274.2
PRW005DU	3-Jan-2024	UAZ	312.9	38.23	274.67
PRW006C	6-Jul-2023	LAZ	330.08	69.51	260.57
PRW006C	3-Jan-2024	LAZ	330.08	68.73	261.35
PRW006DL	6-Jul-2023	UAZ	330.25	60.67	269.58
PRW006DL	3-Jan-2024	UAZ	330.25	60	270.25
PRW006DU	6-Jul-2023	UAZ	330.32	56.99	273.33
PRW006DU	3-Jan-2024	UAZ	330.32	56.44	273.88
PRW007DL	6-Jul-2023	UAZ	316.78	45.33	271.45
PRW007DL	3-Jan-2024	UAZ	316.78	44.72	272.06
PRW007DU	6-Jul-2023	UAZ	316.43	42.86	273.57
PRW007DU	3-Jan-2024	UAZ	316.43	47.43	269
PSB 1A	6-Jul-2023	UAZ	329.3	55.4	273.9
PSB 1A	3-Jan-2024	UAZ	329.3	53.94	275.36
PSB 2A	6-Jul-2023	UAZ	323.9	51.65	272.25
PSB 2A	3-Jan-2024	UAZ	323.9	49.04	274.86
PSB 3A	6-Jul-2023	UAZ	318.8	47.19	271.61
PSB 3A	3-Jan-2024	UAZ	318.8	48.4	270.4
PSB 4A	6-Jul-2023	UAZ	312.7	42.57	270.13
PSB 4A	3-Jan-2024	UAZ	312.7	41.39	271.31
PSB 5A	6-Jul-2023	UAZ	319.5	47.71	271.79
PSB 5A	3-Jan-2024	UAZ	319.5	45.89	273.61
PSB 6A	6-Jul-2023	UAZ	324.4	51.41	272.99
PSB 6A	3-Jan-2024	UAZ	324.4	49	275.4
PSB 7A	6-Jul-2023	UAZ	330.9	56.63	274.27
PSB 7A	3-Jan-2024	UAZ	330.9	55.23	275.67
PSB 8	6-Jul-2023	UAZ	324.96	49.21	275.75
PSB 8	3-Jan-2024	UAZ	324.96	47.35	277.61
PSB 10	6-Jul-2023	UAZ	309.57	49.27	260.3
PSB 10	3-Jan-2024	UAZ	309.57	39.35	270.22
PSB 11	6-Jul-2023	UAZ	309.56	41.32	268.24
PSB 11	3-Jan-2024	UAZ	309.56	37.68	271.88
PSB002AA	6-Jul-2023	GAU	324.93	89.53	235.4
PSB002AA	3-Jan-2024	GAU	324.93	88.54	236.39
PSB002AL	6-Jul-2023	GAU	325.34	136.9	188.44
PSB002AL	3-Jan-2024	GAU	325.34	137.42	187.92
PSB002B	6-Jul-2023	LAZ	325.04	68.49	256.55

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
PSB002B	3-Jan-2024	LAZ	325.04	66.74	258.3
PSB002C	6-Jul-2023	LAZ	324.54	56.02	268.52
PSB002C	3-Jan-2024	LAZ	324.54	54.54	270
PSB002DL	6-Jul-2023	UAZ	324.38	50.57	273.81
PSB002DL	3-Jan-2024	UAZ	324.38	49.22	275.16
PSB003DL	6-Jul-2023	UAZ	320.22	48.19	272.03
PSB003DL	3-Jan-2024	UAZ	320.22	46.89	273.33
PSB011A	6-Jul-2023	GAU	310.07	79.99	230.08
PSB011A	3-Jan-2024	GAU	310.07	79.25	230.82
PSB011B	6-Jul-2023	LAZ	309.57	52.58	256.99
PSB011B	3-Jan-2024	LAZ	309.57	51.79	257.78
PSB011C	6-Jul-2023	LAZ	309.44	45.95	263.49
PSB011C	3-Jan-2024	LAZ	309.44	44.79	264.65
PSB011DL	6-Jul-2023	UAZ	309.29	42.91	266.38
PSB011DL	3-Jan-2024	UAZ	309.29	41.88	267.41
PSC002D1	6-Jul-2023	UAZ	239.03	3.86	235.17
PSC002D1	3-Jan-2024	UAZ	239.03	3.57	235.46
PSC002D2	6-Jul-2023	UAZ	239.41	4.68	234.73
PSC002D2	3-Jan-2024	UAZ	239.41	3.83	235.58
PSC003D1	6-Jul-2023	UAZ	238	4.42	233.58
PSC003D1	3-Jan-2024	UAZ	238	3.99	234.01
PSC003D2	6-Jul-2023	UAZ	238.71	5.26	233.45
PSC003D2	3-Jan-2024	UAZ	238.71	4.89	233.82
PSC004D1	6-Jul-2023	UAZ	236.57	3.19	233.38
PSC004D1	3-Jan-2024	UAZ	236.57	2.99	233.58
PSC004D2	6-Jul-2023	UAZ	237.12	3.38	233.74
PSC004D2	3-Jan-2024	UAZ	237.12	3.12	234
PSC005D1	6-Jul-2023	UAZ	232.98	2.71	230.27
PSC005D1	3-Jan-2024	UAZ	232.98	2.99	229.99
PSC005D2	6-Jul-2023	UAZ	234.19	3.89	230.3
PSC005D2	3-Jan-2024	UAZ	234.19	3.83	230.36
PSC006D1	6-Jul-2023	UAZ	231.48	3.72	227.76
PSC006D1	3-Jan-2024	UAZ	231.48	3.79	227.69
PSC006D2	6-Jul-2023	UAZ	231.25	3.84	227.41
PSC006D2	3-Jan-2024	UAZ	231.25	3.91	227.34
RGW 4C	6-Jul-2023	LAZ	334.7	87.33	247.37
RGW 4C	3-Jan-2024	LAZ	334.7	85.35	249.35
RGW 4D	6-Jul-2023	UAZ	334.56	70.29	264.27
RGW 4D	3-Jan-2024	UAZ	334.56	68.38	266.18
RGW 5C	6-Jul-2023	LAZ	286.33	53.76	232.57
RGW 5C	3-Jan-2024	LAZ	286.33	53.88	232.45
RGW 5D	6-Jul-2023	UAZ	286.62	39.05	247.57
RGW 5D	3-Jan-2024	UAZ	286.62	38.12	248.5

**Data Report for the PAGW OU (U) 2024
Savannah River Site
February 2025**

Table 2. Water Level Data for P-Area Groundwater Operable Unit Monitoring Wells (Continued/End)

Station ID	Date	Aquifer Designation	Reference Elevation [ft amsl]	Depth to Water [ft bgs]	Sample Water Elevation
RGW 6C	6-Jul-2023	LAZ	317.72	98.52	219.2
RGW 6C	3-Jan-2024	LAZ	317.72	98.31	219.41
RGW 6D	6-Jul-2023	UAZ	317.54	55.24	262.3
RGW 6D	3-Jan-2024	UAZ	317.54	54.38	263.16
RGW 9C	6-Jul-2023	LAZ	290.78	60.03	230.75
RGW 9C	3-Jan-2024	LAZ	290.78	59.41	231.37
RGW 9D	6-Jul-2023	UAZ	291.19	45.96	245.23
RGW 9D	3-Jan-2024	UAZ	291.19	45.07	246.12

Highlighted rows indicate stations which were excluded from potentiometric contouring.

Table 3. Tritium and Trichloroethylene Results Above Maximum Contaminant Level for P-Area Groundwater Operable Unit

Station ID	Aquifer Designation	Analyte	Units	2023 Result	2024 Result
P002U	UAZ_UTRAU	TCE	µg/L	4.61	4.96
P003L	UAZ_UTRAU	TCE	µg/L	5100	5240
P003U	UAZ_UTRAU	TCE	µg/L	594	741
PAO002DL	UAZ_UTRAU	TCE	µg/L	117	103
PAO002DU	UAZ_UTRAU	TCE	µg/L	15	10.7
PGW014 C	LAZ_UTRAU	TCE	µg/L	400	511
PGW014DU	UAZ_UTRAU	TCE	µg/L	231	213 C
PGW024 C	UAZ_UTRAU	TCE	µg/L	1.94	1.1
PGW025 B	LAZ_UTRAU	TCE	µg/L	2520	4180
PGW025 C	UAZ_UTRAU	TCE	µg/L	7.66	5.11
PGW026B	LAZ_UTRAU	TCE	µg/L	855	943
PGW026C	LAZ_UTRAU	TCE	µg/L	6420	5980
PGW026DL	UAZ_UTRAU	TCE	µg/L	4690 B	4830
PGW027C	LAZ_UTRAU	TCE	µg/L	118	[127]
PGW027DL	LAZ_UTRAU	TCE	µg/L	1470 B	1520 B
PGW027DU	UAZ_UTRAU	TCE	µg/L	87.8	191
PGW029C	LAZ_UTRAU	TCE	µg/L	10.7	15.8
PGW030B	LAZ_UTRAU	TCE	µg/L	[2890]	3670
PGW031B	LAZ_UTRAU	TCE	µg/L	33	34.7
PGW031C	LAZ_UTRAU	TCE	µg/L	657	660
PGW035C	LAZ_UTRAU	TCE	µg/L	5240	3970
PGW035D	UAZ_UTRAU	TCE	µg/L	14	11.1
PMP004DL	UAZ_UTRAU	TCE	µg/L	[3670]	4480
PMP007DL	UAZ_UTRAU	TCE	µg/L	39.6	18.2
PMP008DL	UAZ_UTRAU	TCE	µg/L	109	211
PMW001DL	UAZ_UTRAU	TCE	µg/L	9.46	8.15
PRB005C	LAZ_UTRAU	TCE	µg/L	2070	1810
PSC003D1	UAZ_UTRAU	TCE	µg/L	3.73	[0.73]
PSC004D2	UAZ_UTRAU	TCE	µg/L	8.55	11.1
SC-03	UAZ_UTRAU	TCE	µg/L	27.9 B	18.6
P002U	UAZ_UTRAU	Tritium	pCi/mL	11.9	11.7
P003L	UAZ_UTRAU	Tritium	pCi/mL	878	808
PAO001DU	UAZ_UTRAU	Tritium	pCi/mL	8.53 B	6.89
PDB 2	UAZ_UTRAU	Tritium	pCi/mL	201	467
PDB003C	LAZ_UTRAU	Tritium	pCi/mL	92.2	75.1
PDB 4	UAZ_UTRAU	Tritium	pCi/mL	172	124
PGW014DU	UAZ_UTRAU	Tritium	pCi/mL	14.9 C	11.9
PGW016DU	UAZ_UTRAU	Tritium	pCi/mL	190	36.7
PGW018 C	UAZ_UTRAU	Tritium	pCi/mL	82.4	49.3
PGW024 B	LAZ_UTRAU	Tritium	pCi/mL	42.7	44.9
PGW024 C	UAZ_UTRAU	Tritium	pCi/mL	16.8	12.5
PGW025 B	LAZ_UTRAU	Tritium	pCi/mL	49.4	45.9
PGW026C	LAZ_UTRAU	Tritium	pCi/mL	45	36.1
PGW026DL	UAZ_UTRAU	Tritium	pCi/mL	72	56.1
PGW027C	LAZ_UTRAU	Tritium	pCi/mL	227	242
PGW027DL	LAZ_UTRAU	Tritium	pCi/mL	361	328

Station ID	Aquifer Designation	Analyte	Units	2023 Result	2024 Result
PGW027DU	UAZ_UTRAU	Tritium	pCi/mL	168	163
PGW028DU	UAZ_UTRAU	Tritium	pCi/mL	440	310
PGW035C	LAZ_UTRAU	Tritium	pCi/mL	106	97.5
PMP004DL	UAZ_UTRAU	Tritium	pCi/mL	104	129
PMP008DL	UAZ_UTRAU	Tritium	pCi/mL	4.68	3.16
PMW005DL	UAZ_UTRAU	Tritium	pCi/mL	206	252
PRB005C	LAZ_UTRAU	Tritium	pCi/mL	32.5	33.2
PSB 1A	UAZ_UTRAU	Tritium	pCi/mL	8.95	5.29
PSB 2A	UAZ_UTRAU	Tritium	pCi/mL	2.7	29.8
PSB 3A	UAZ_UTRAU	Tritium	pCi/mL	25.9	53.6
PSB 4A	UAZ_UTRAU	Tritium	pCi/mL	42.1	[0.852]
PSB002AA	GAU	Tritium	pCi/mL	5560	5720
PSB002AL	GAU	Tritium	pCi/mL	34.5	28.3
PSB002B	LAZ_UTRAU	Tritium	pCi/mL	8910	8950
PSB002C	LAZ_UTRAU	Tritium	pCi/mL	5100	4580
PSB002DL	UAZ_UTRAU	Tritium	pCi/mL	239	177
PSB003DL	UAZ_UTRAU	Tritium	pCi/mL	131	105
PSB011B	LAZ_UTRAU	Tritium	pCi/mL	ND (0.545)	764
PSB011C	LAZ_UTRAU	Tritium	pCi/mL	[1.05]	3960
PSB011DL	UAZ_UTRAU	Tritium	pCi/mL	[1.01]	2030
PSC003D1	UAZ_UTRAU	Tritium	pCi/mL	18	4.67
PSC003D2	UAZ_UTRAU	Tritium	pCi/mL	355	190
PSC004D1	UAZ_UTRAU	Tritium	pCi/mL	418	391 B
PSC004D2	UAZ_UTRAU	Tritium	pCi/mL	14	[1.03]
SC-03	UAZ_UTRAU	Tritium	pCi/mL	183 B	139
SC-04	UAZ_UTRAU	Tritium	pCi/mL	96.3	81.8 C
SC-07	UAZ_UTRAU	Tritium	pCi/mL	25.3	21.3
SC-08	UAZ_UTRAU	Tritium	pCi/mL	21.6	18.1

^A Laboratory duplicate; highest result reported

^B Field duplicate; highest result reported

^C Split sample, sent to two laboratories; highest result reported

Values highlighted in green are below MCL, included for comparison

Values highlighted in yellow are below method detection limit (MDL); MDL reported in parenthesis

Values in brackets are estimated values

ND = non-detect; below MDL

TCE MCL = 5 µg/L

Tritium MCL = 20 pCi/mL

Table 4. Summary Table of Screening Level Exceedances for 1Q24

Analyte Group	Analyte Name	CAS Number	Units	Frequency of Detection	Minimum Detected Result	Maximum Detected Result	Screening Level	Screening Level Source	Above Screening Level	Location of Maximum	Date of Maximum Detection
<i>Upper Aquifer Zone</i>											
cVOC	TRICHLOROETHYLENE (TCE)	79-01-6	ug/L	26/50	0.36	5240	5	MCL	14/50	P003L	1/29/2024
cVOC	TETRACHLOROETHYLENE (PCE)	127-18-4	ug/L	17/50	0.34	207	5	MCL	4/50	PAO003DU	1/30/2024
Radionuclide	TRITIUM	10028-17-8	pCi/mL	49/61	0.353	2030	20	MCL	17/61	PSB011DL	2/1/2024
cVOC	CIS-1,2-DICHLOROETHYLENE	156-59-2	ug/L	12/50	0.65	532	70	MCL	4/50	P003L	1/29/2024
cVOC	CHLOROETHENE (VINYL CHLORIDE)	75-01-4	ug/L	3/50	0.7	2.58	2	MCL	1/50	PMP008DL	2/1/2024
Metal	CHROMIUM	7440-47-3	ug/L	3/4	2.23	103	100	MCL	1/4	PAO001DU	1/29/2024
Metal	Iron	7439-89-6	mg/L	8/12	0.053	15	14	RSL	1/12	P002U	1/29/2024
<i>Lower Aquifer Zone</i>											
cVOC	TRICHLOROETHYLENE (TCE)	79-01-6	ug/L	14/28	2.33	5980	5	MCL	12/28	PGW026C	1/30/2024
cVOC	TETRACHLOROETHYLENE (PCE)	127-18-4	ug/L	12/28	0.51	13.9	5	MCL	4/28	PGW035C	2/1/2024
Radionuclide	TRITIUM	10028-17-8	pCi/mL	23/31	0.855	8950	20	MCL	12/31	PSB002B	2/1/2024
cVOC	CIS-1,2-DICHLOROETHYLENE	156-59-2	ug/L	12/28	0.52	122	70	MCL	3/28	PGW026C	1/30/2024
<i>Gordon Aquifer</i>											
Radionuclide	TRITIUM	10028-17-8	pCi/mL	3/5	5.37	5720	20	MCL	2/5	PSB002AA	2/1/2024
<i>Surface Water</i>											
cVOC	TRICHLOROETHYLENE (TCE)	79-01-6	ug/L	2/5	1.25	18.6	5	MCL	1/5	SC-03	2/7/2024
Radionuclide	TRITIUM	10028-17-8	pCi/mL	5/5	1.08	139	20	MCL	3/5	SC-03	2/7/2024

cVOC = chlorinated volatile organic compound

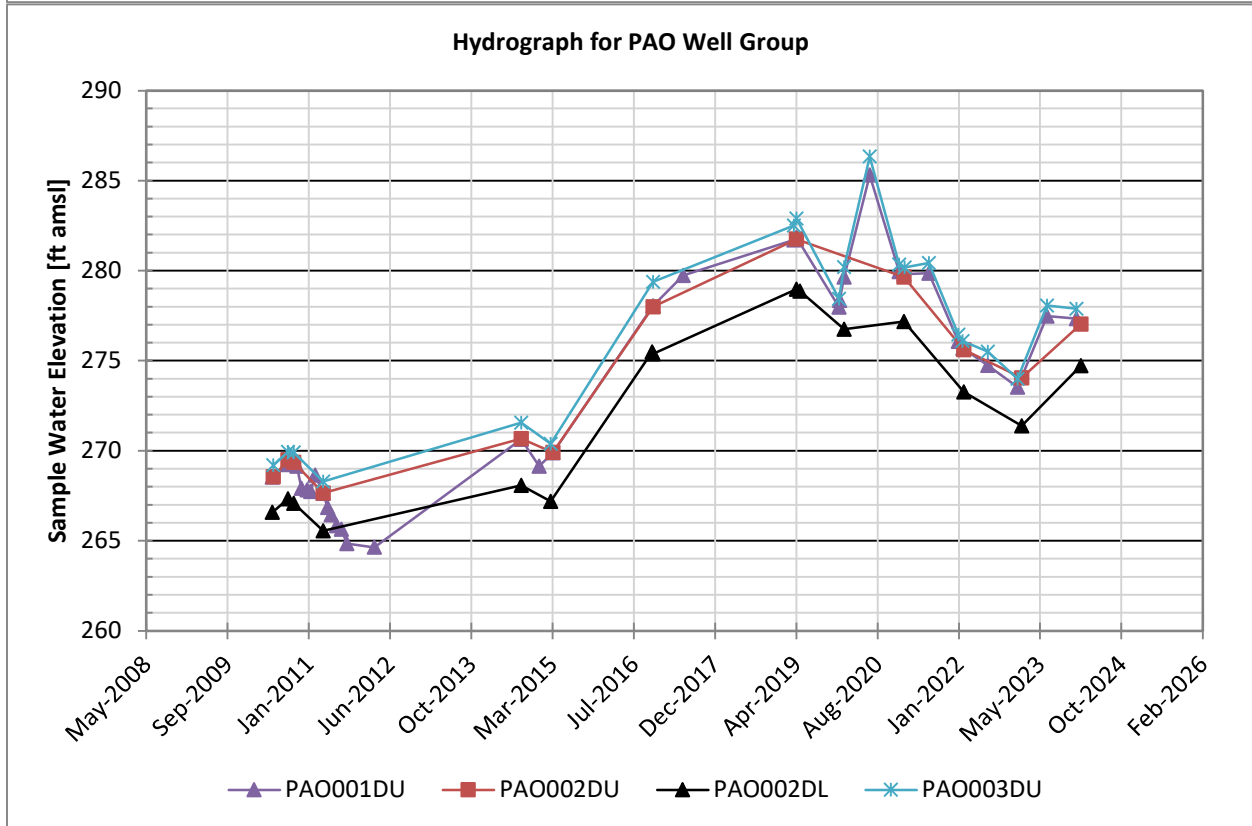
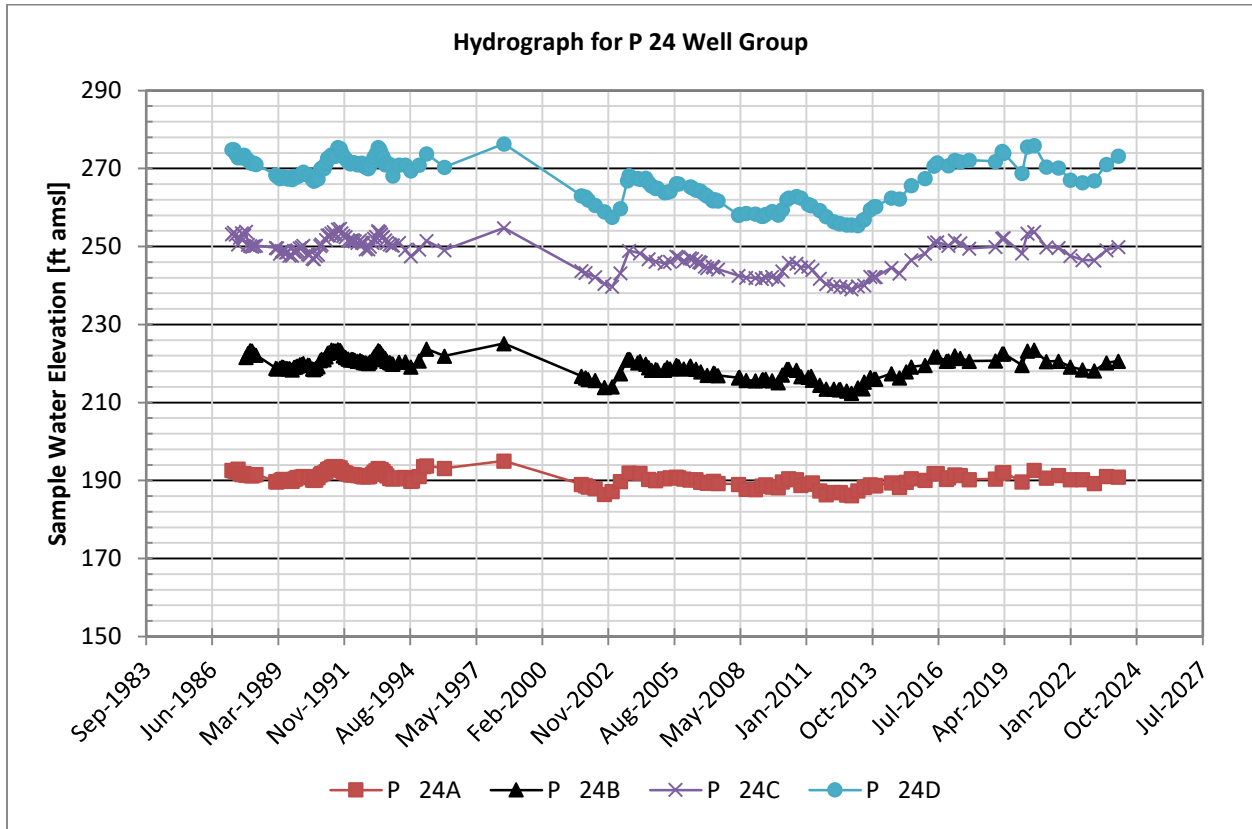
MCL = maximum contaminant level

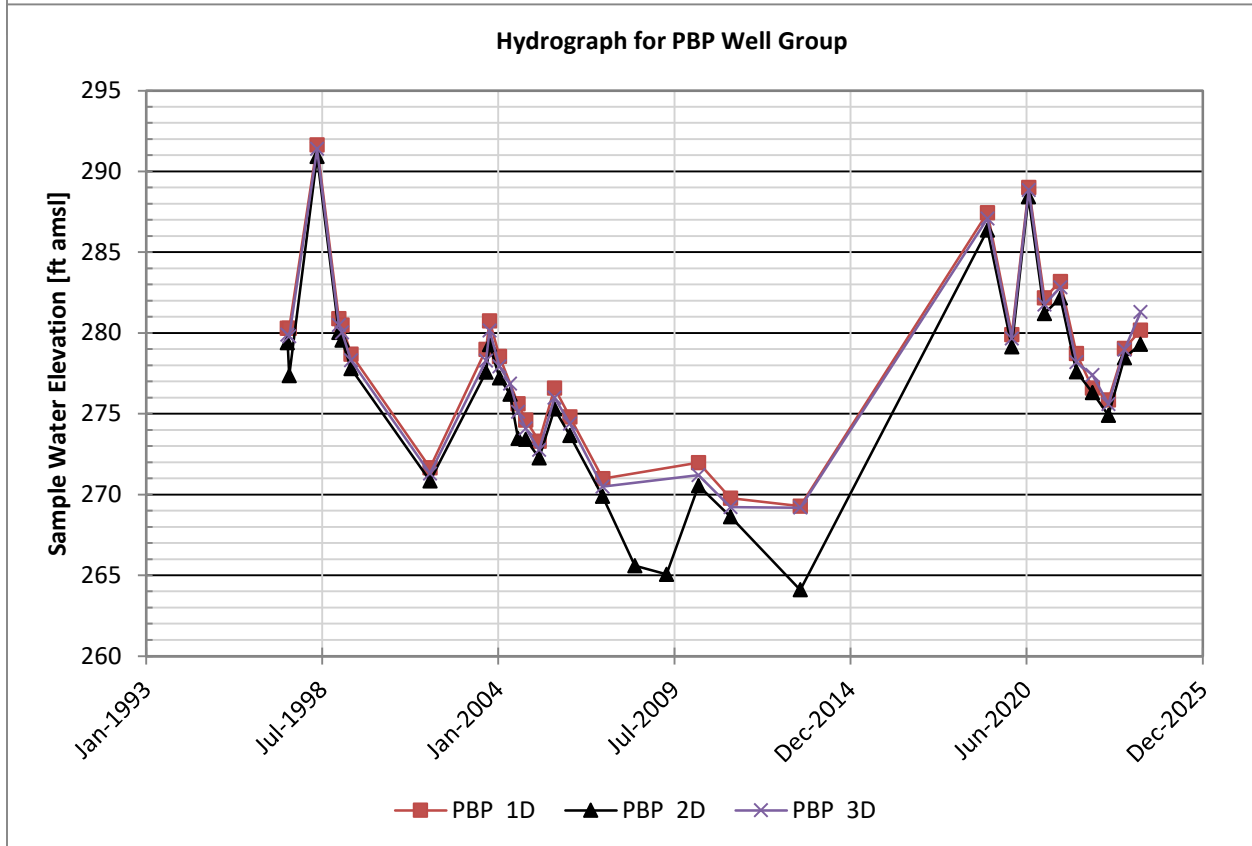
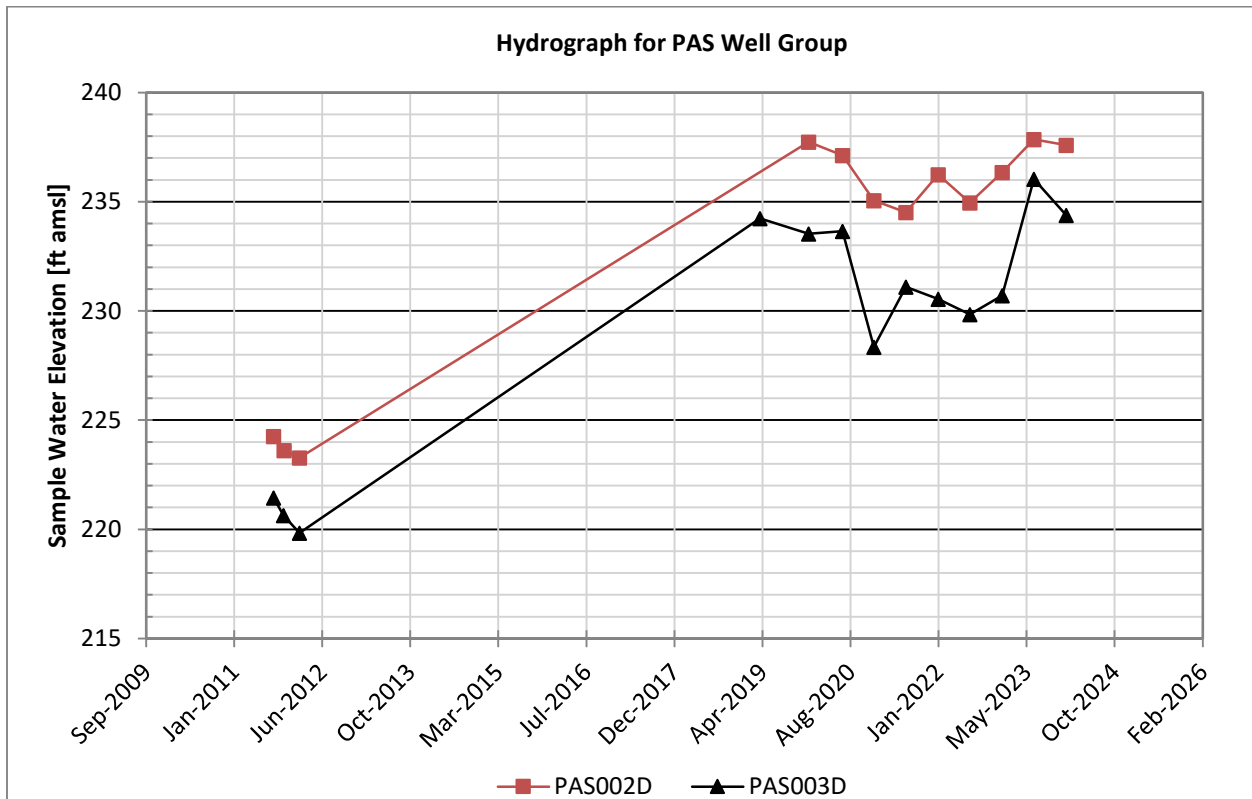
RSL = regional screening level

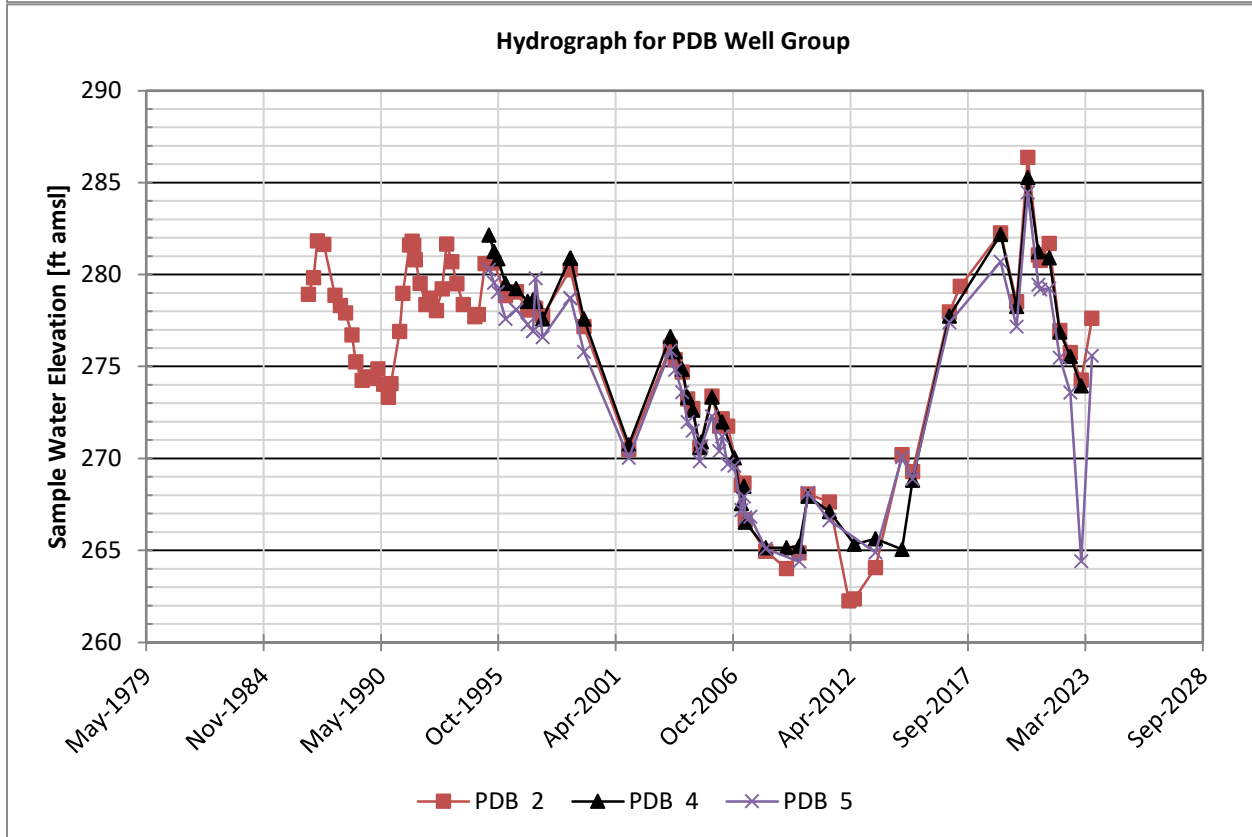
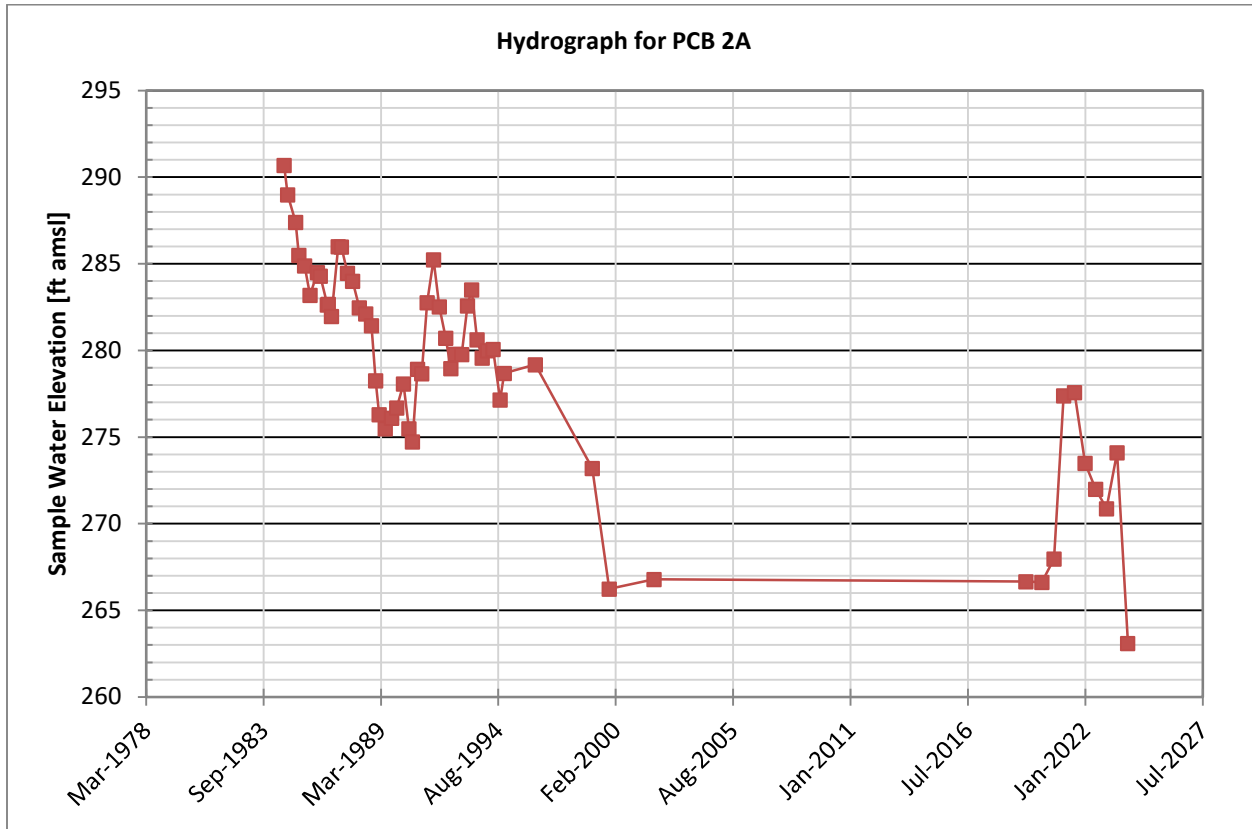
APPENDIX A

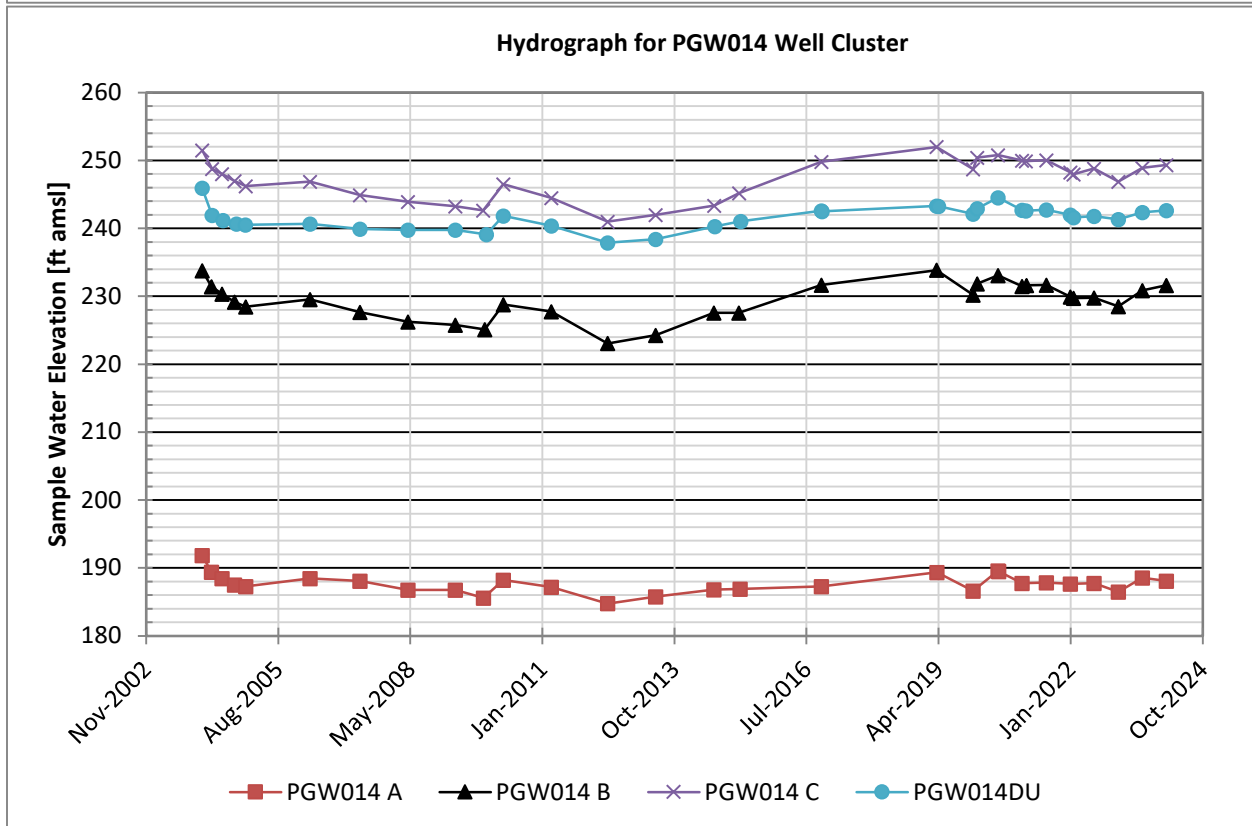
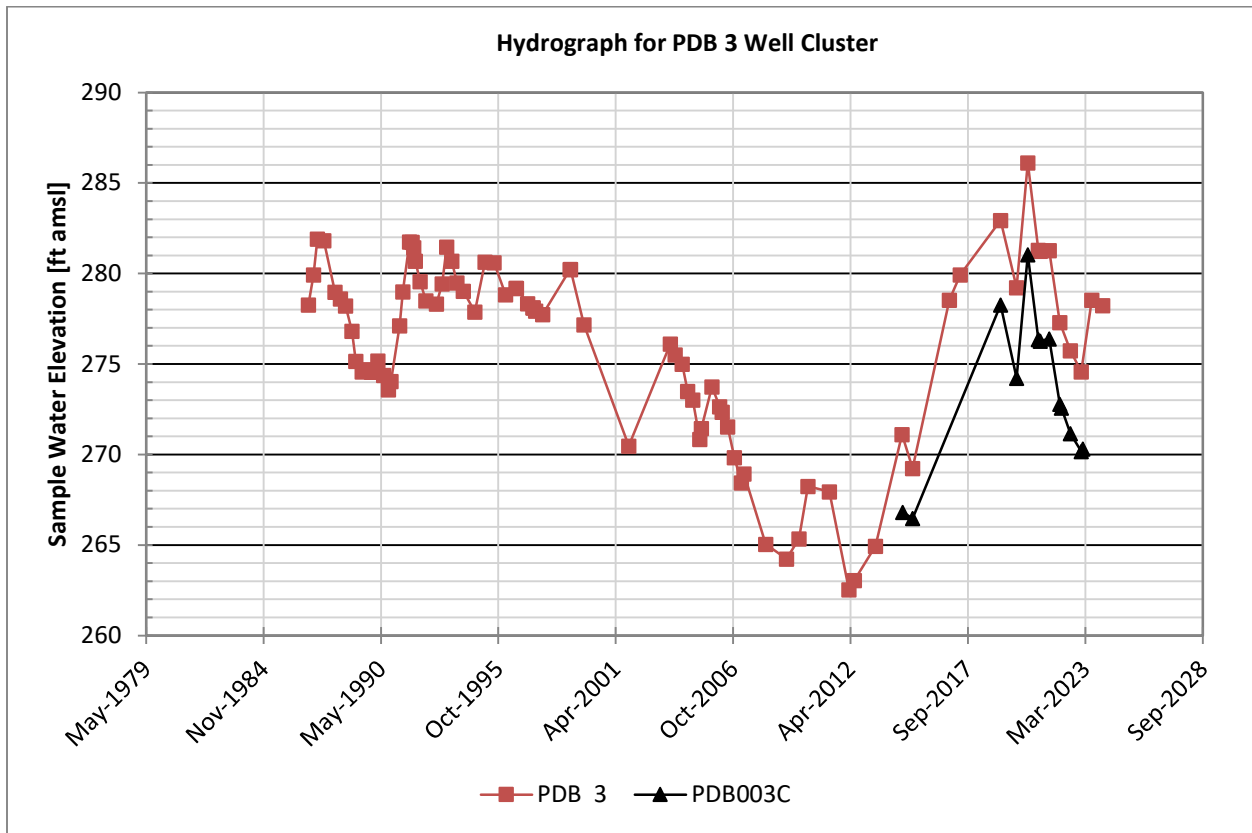
HYDROGRAPHS FOR PAGW OU 2024 SAMPLING

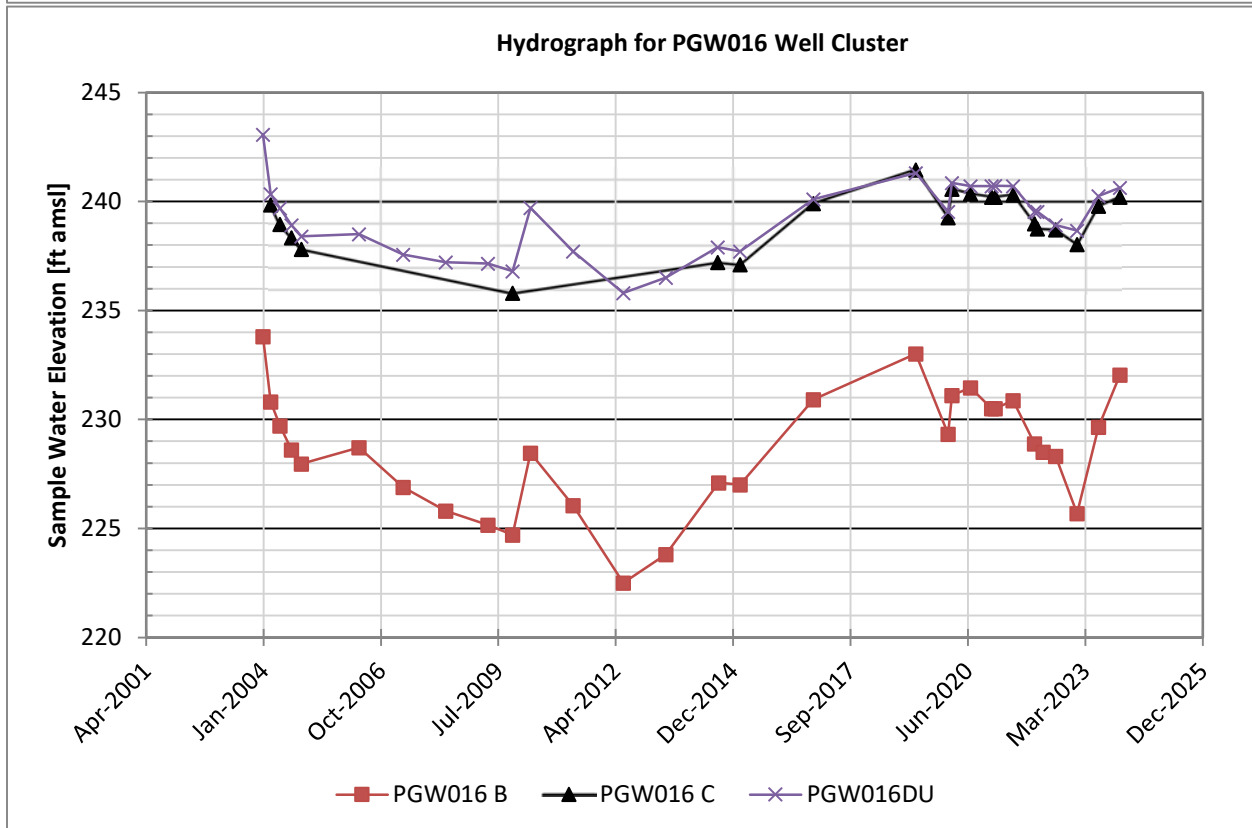
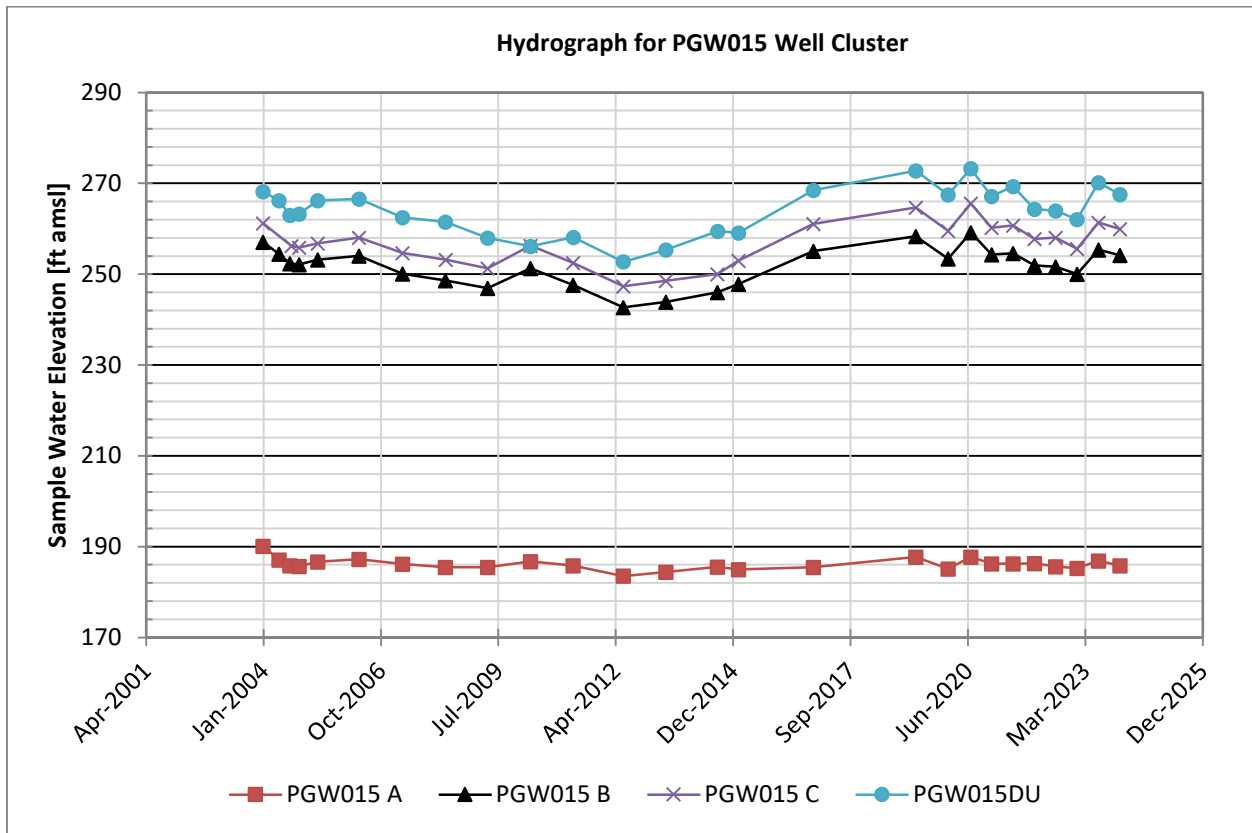
This page intentionally left blank.

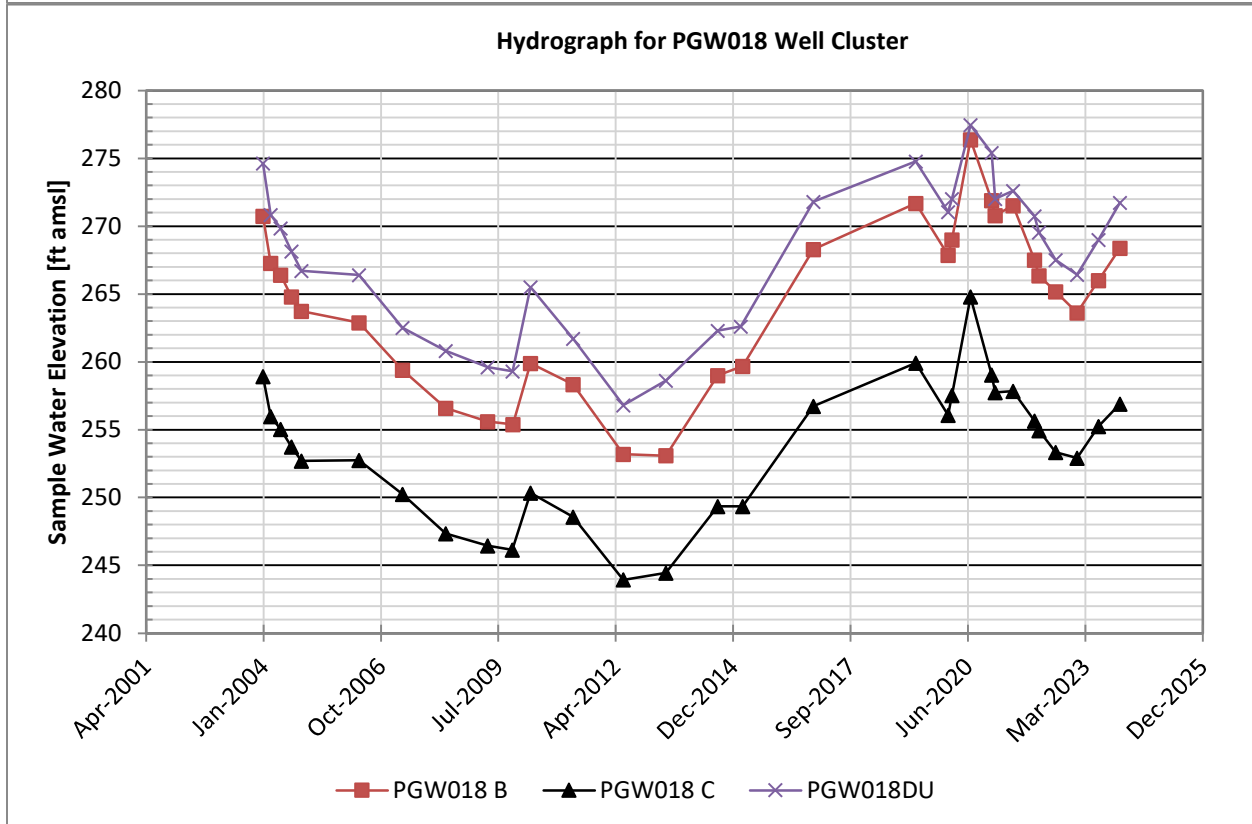
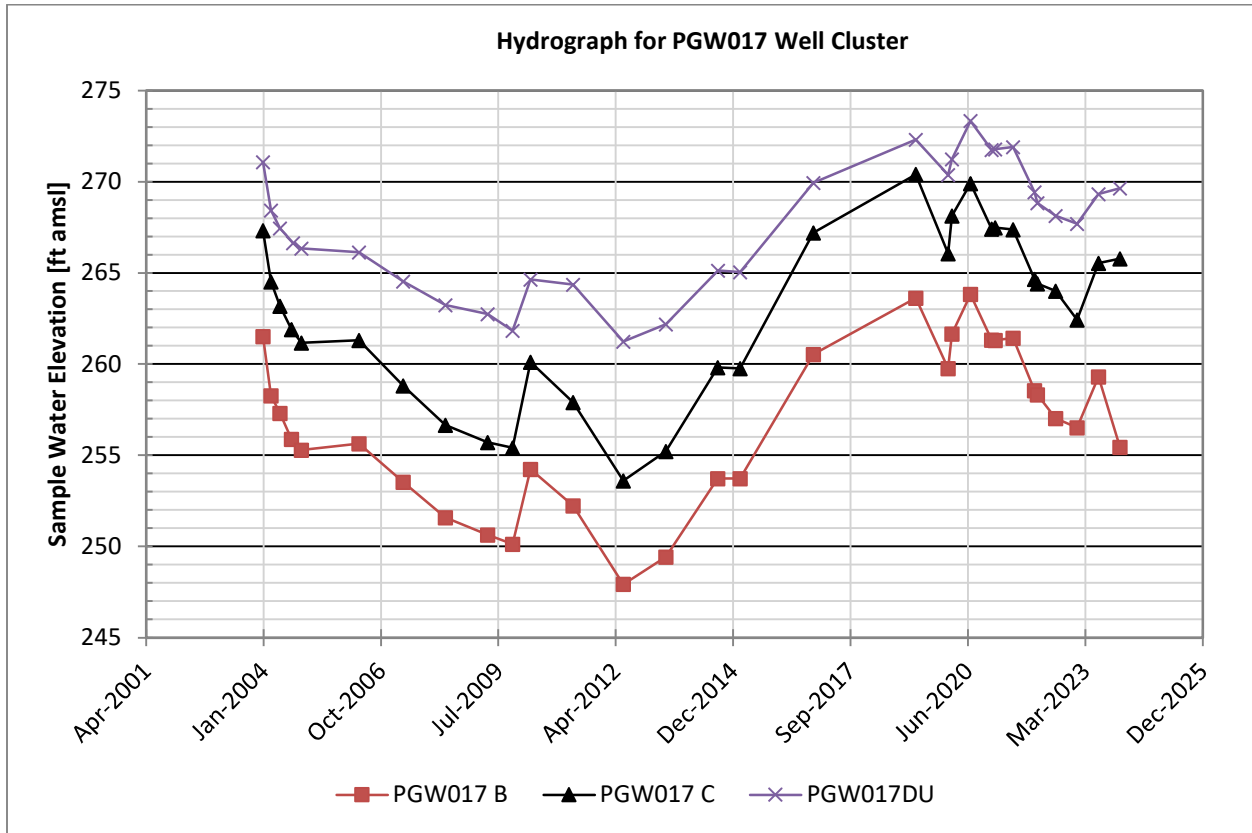


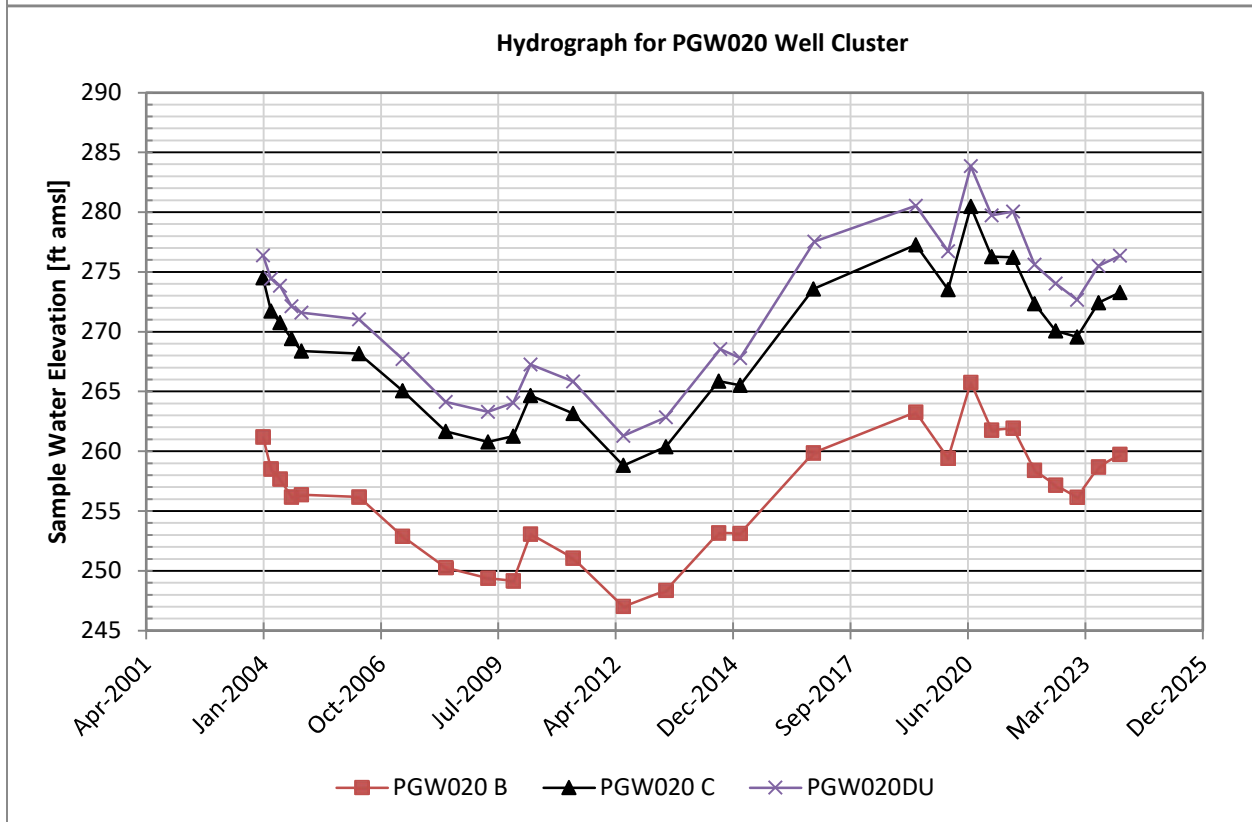
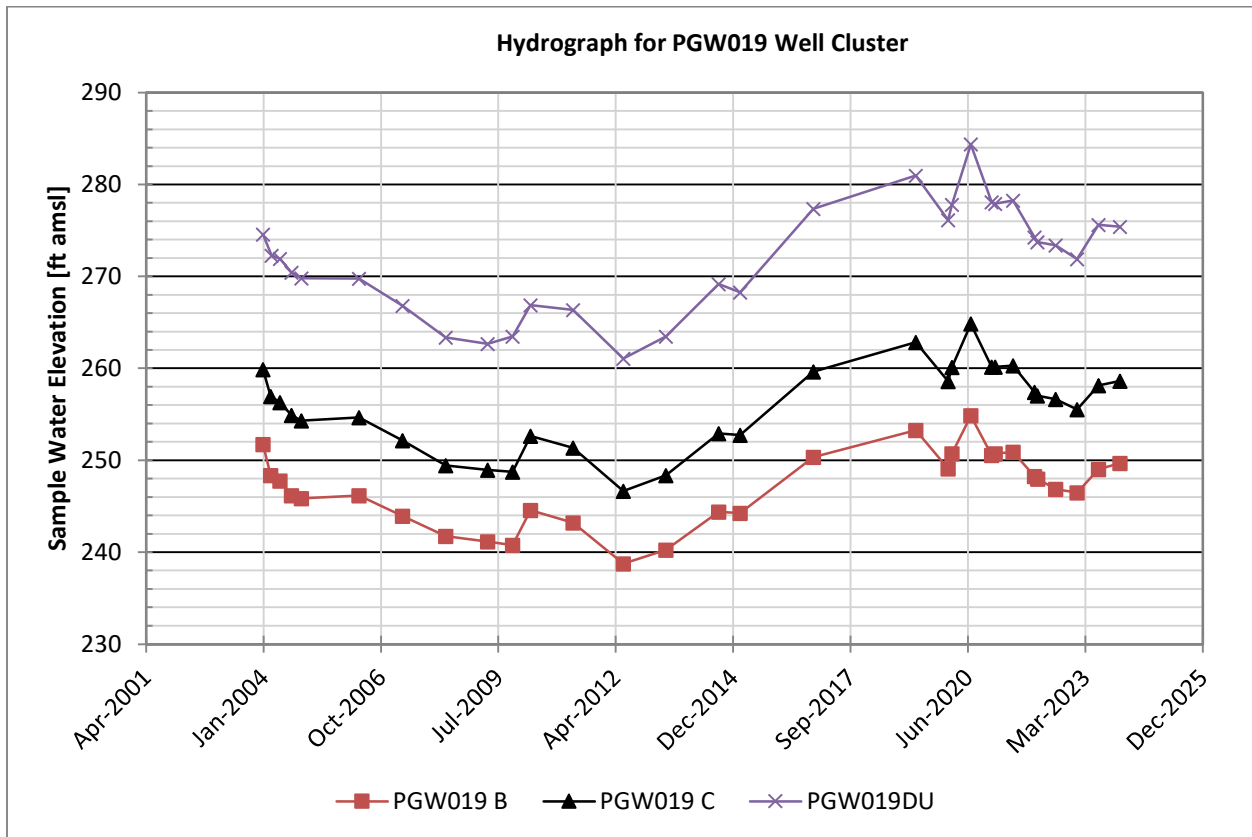


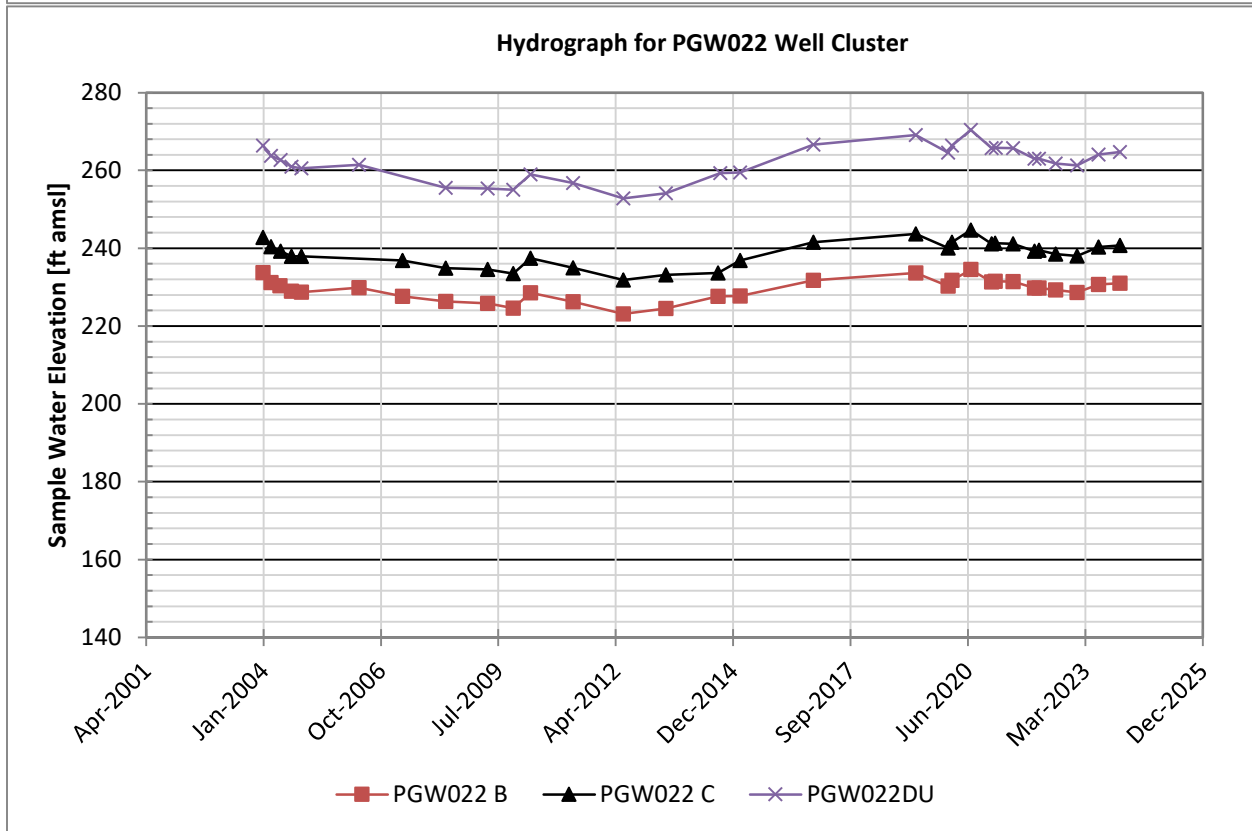
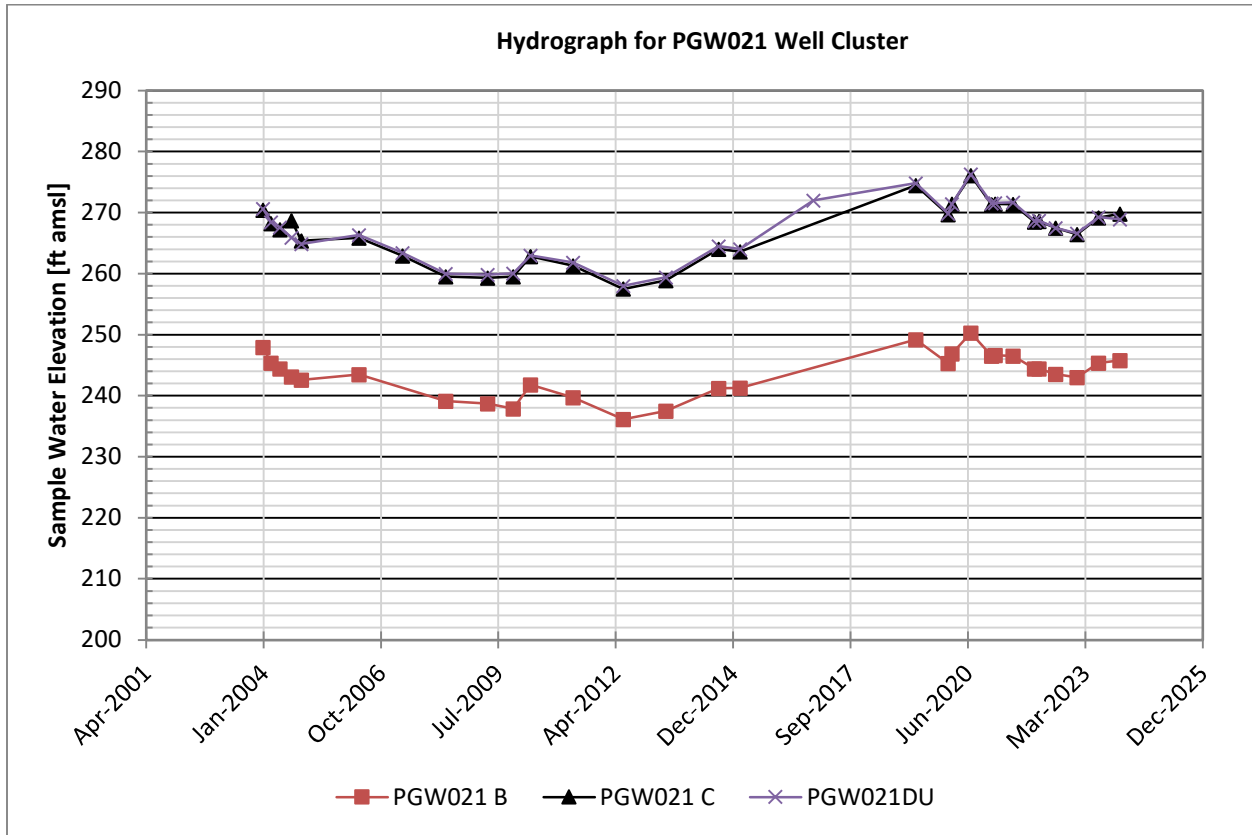


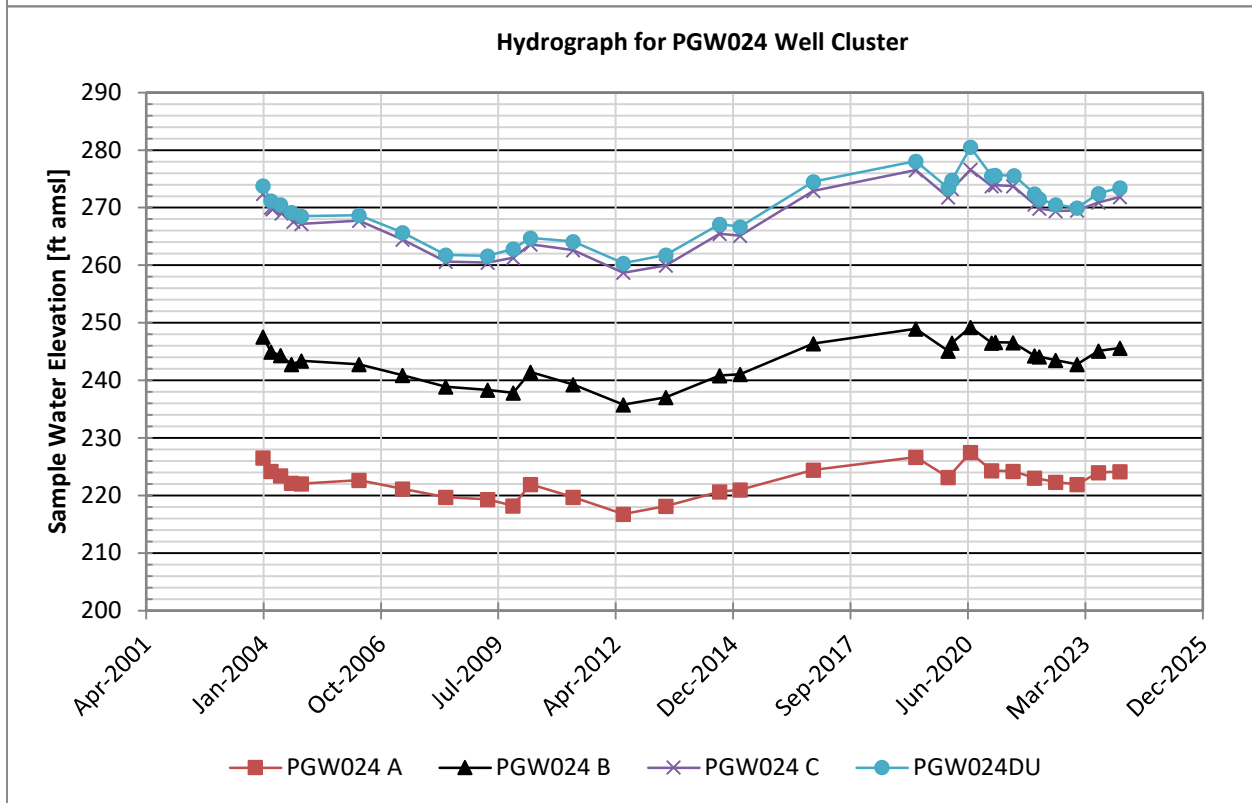
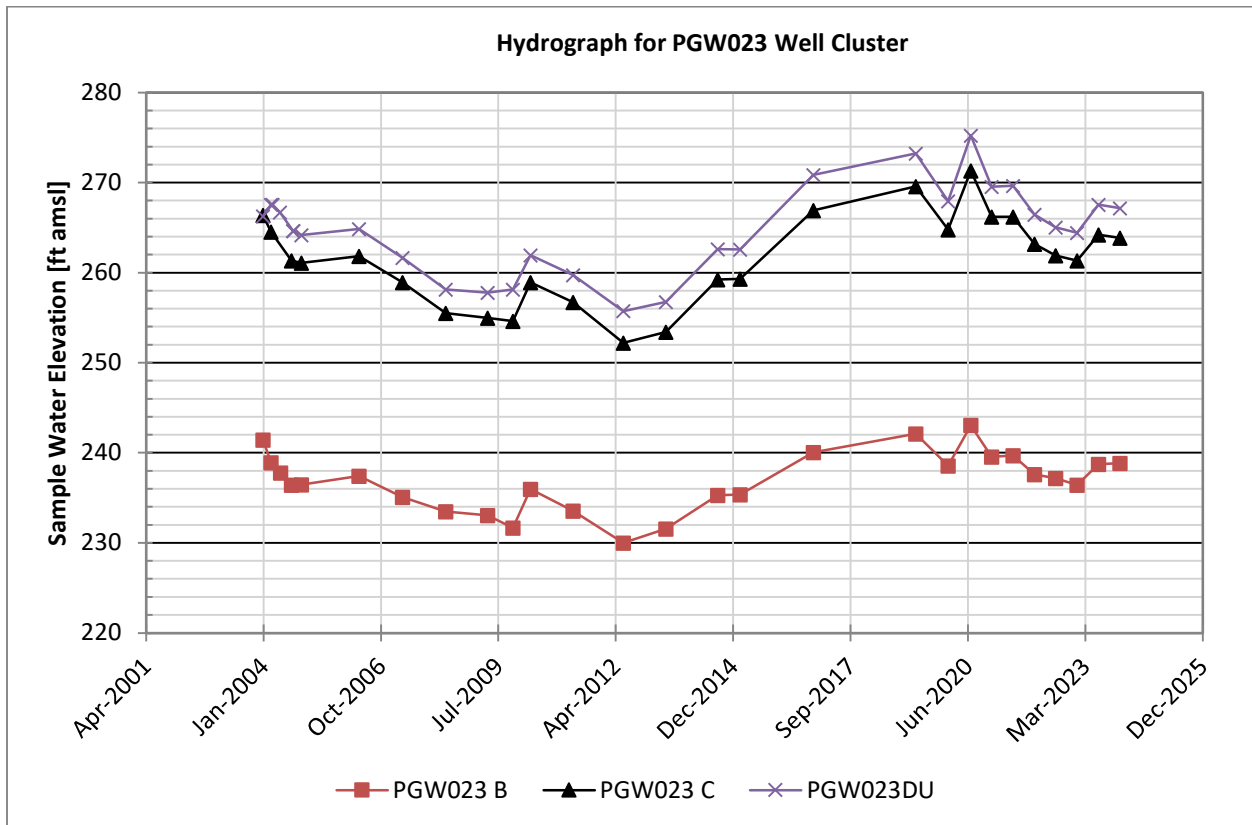


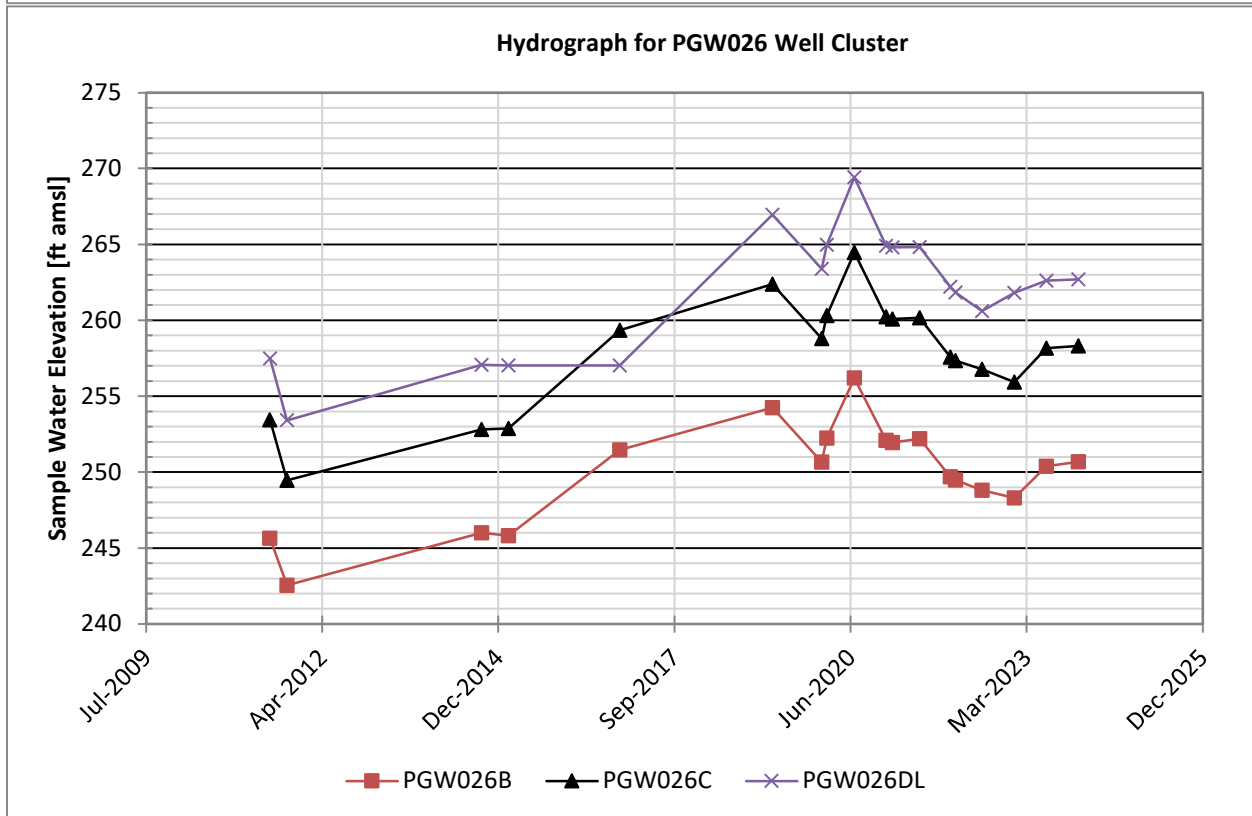
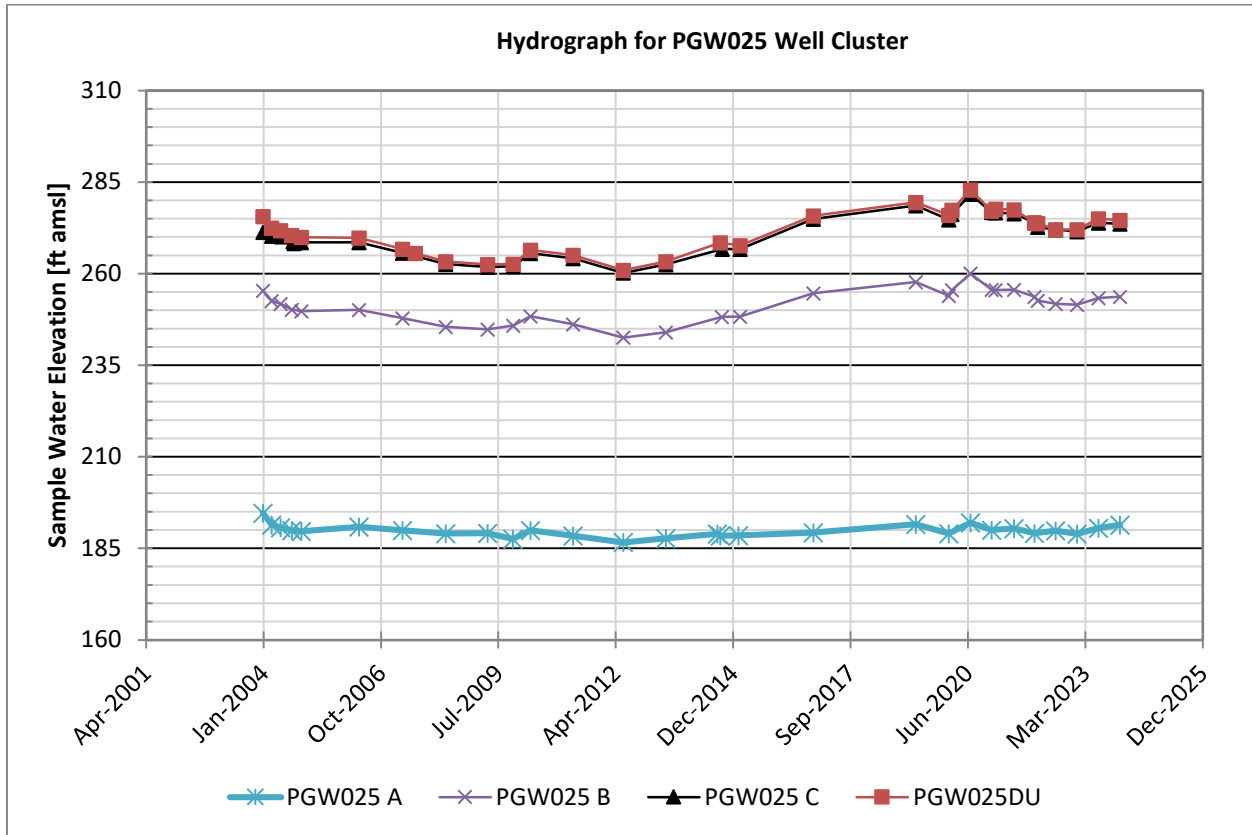


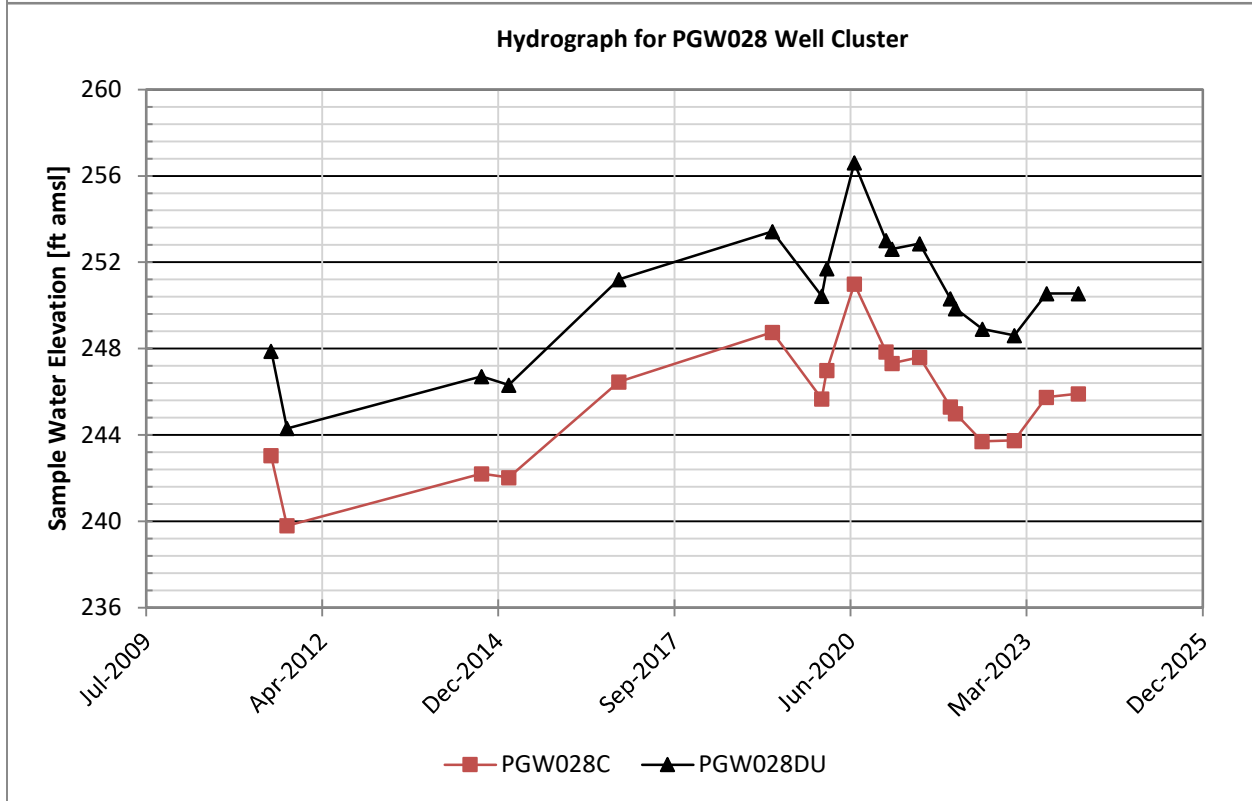
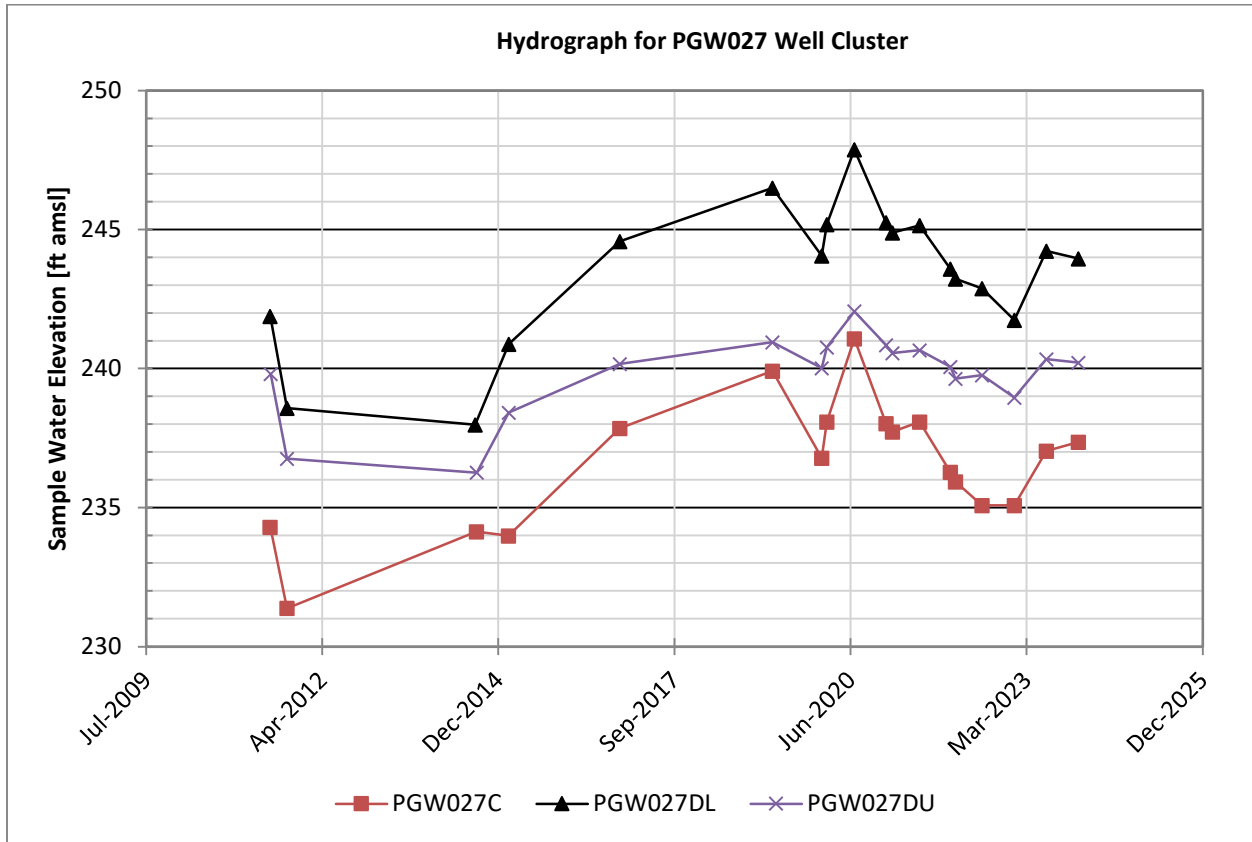


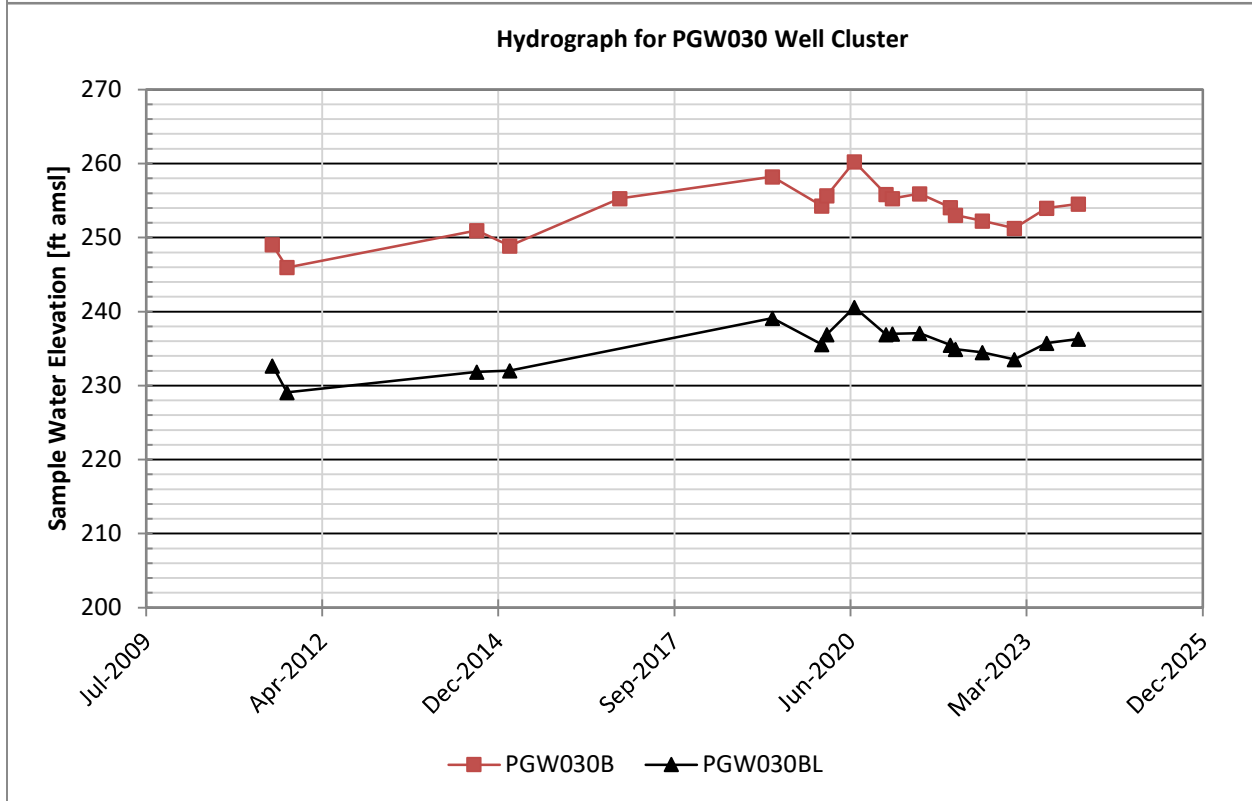
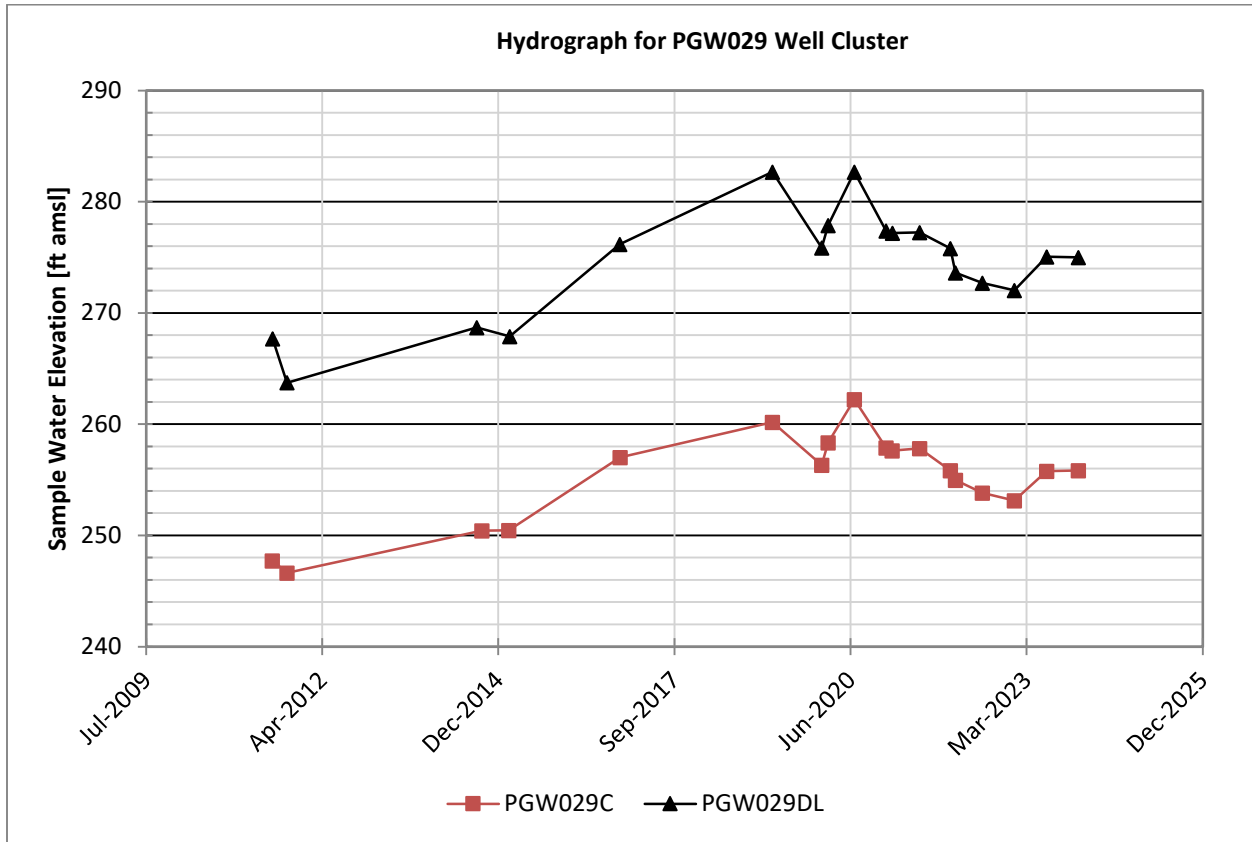


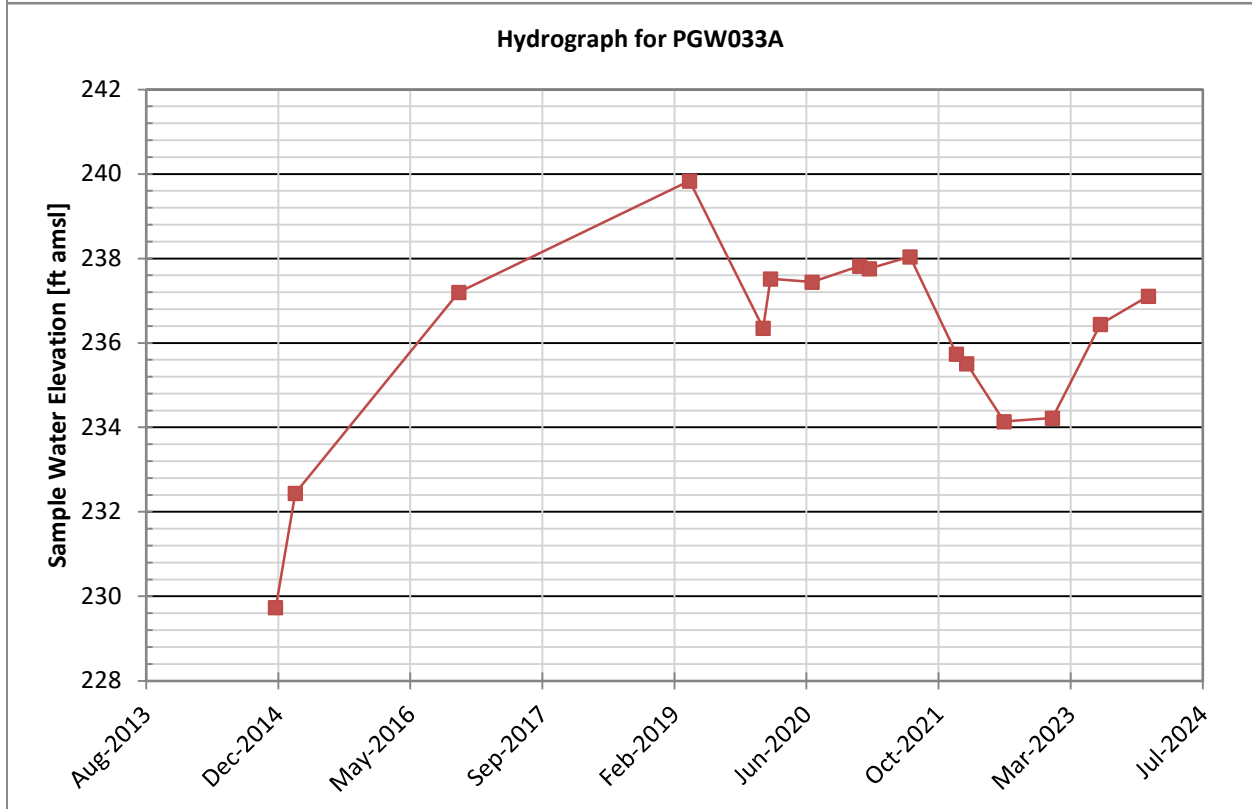
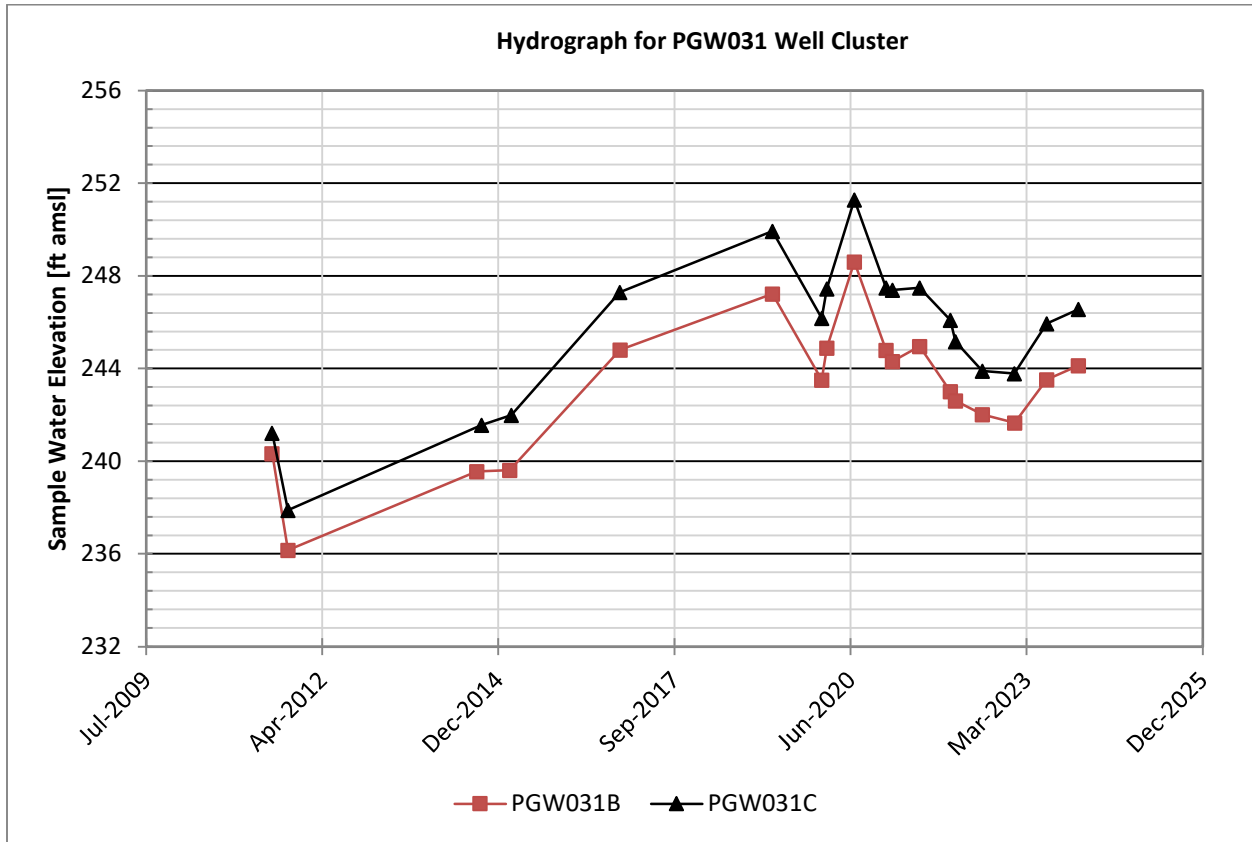


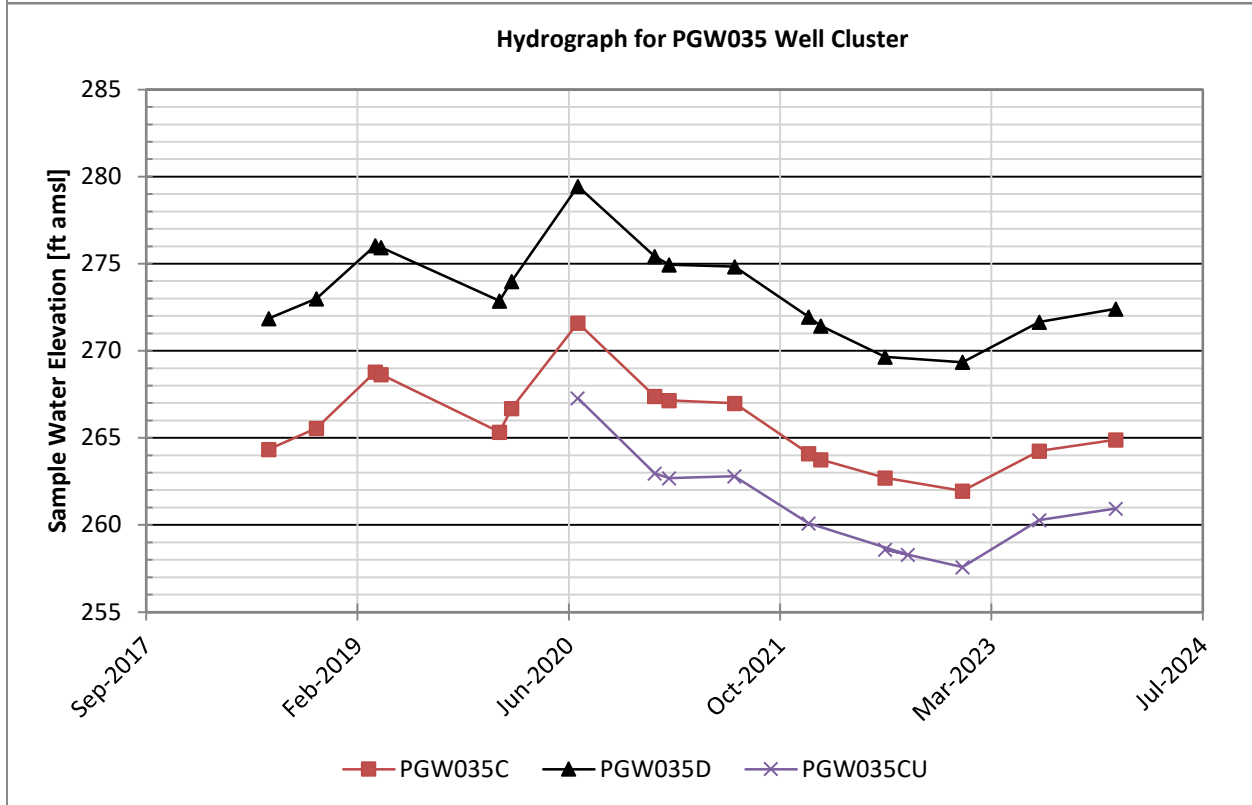
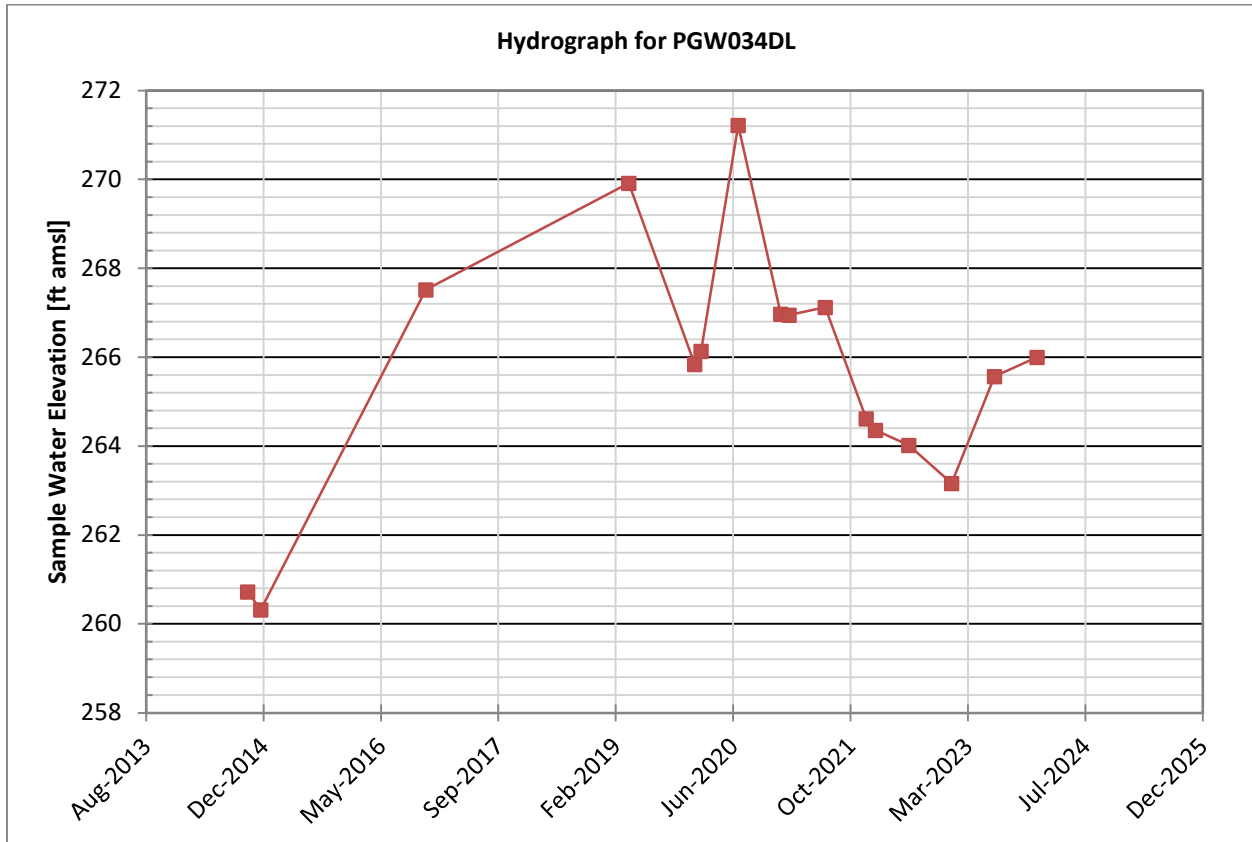


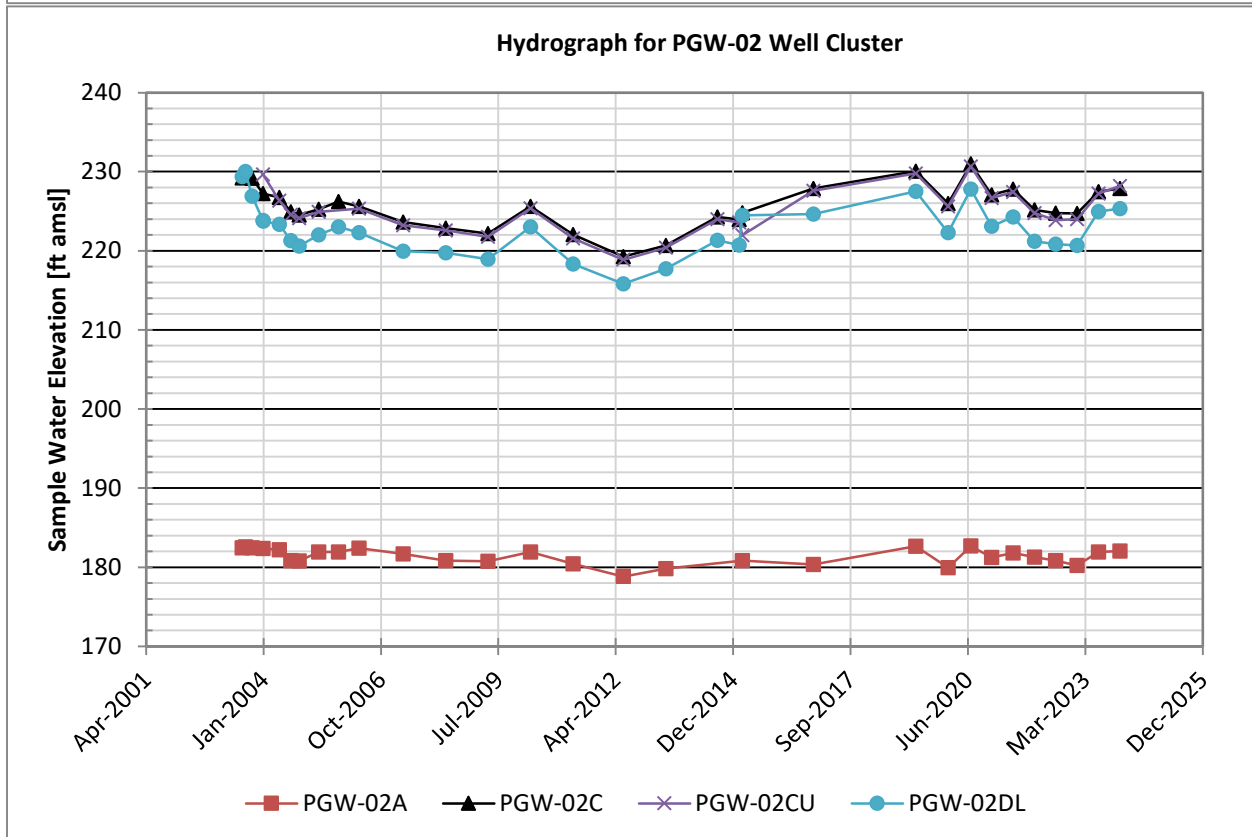
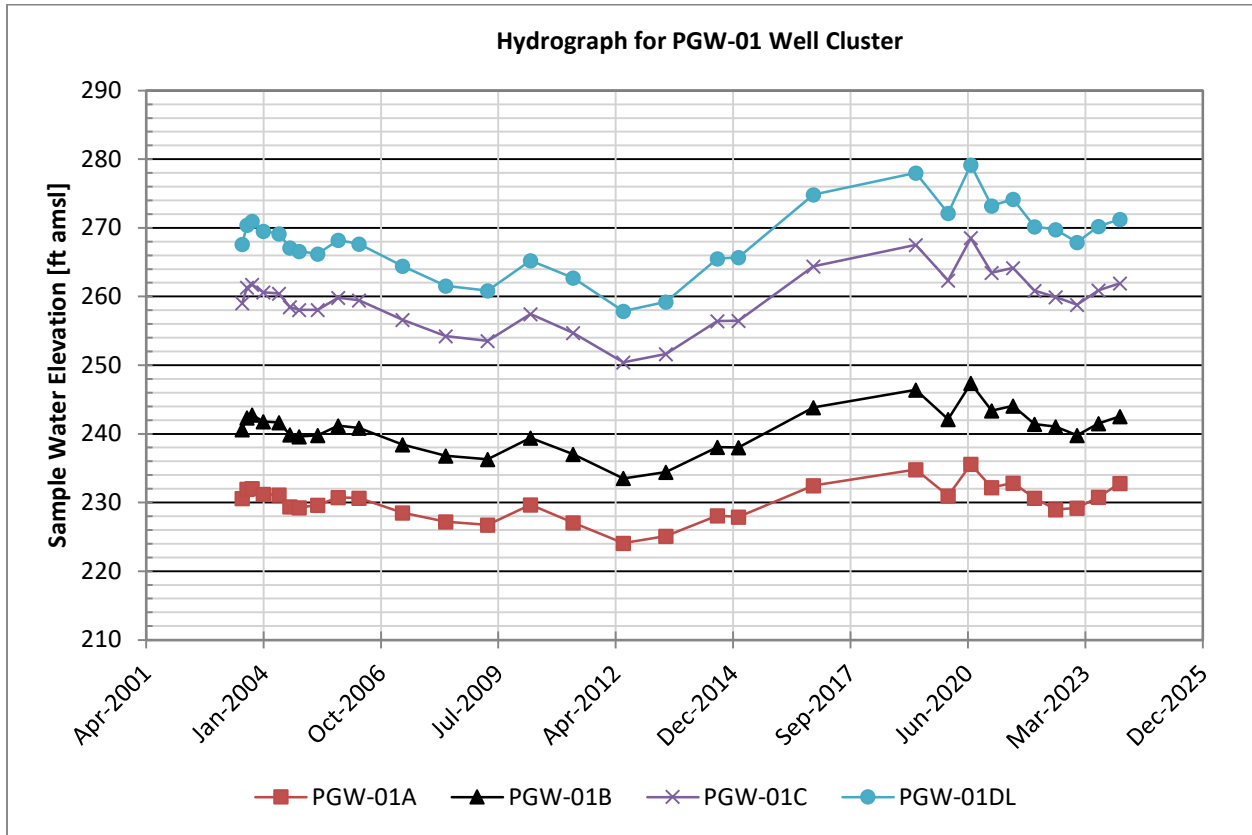


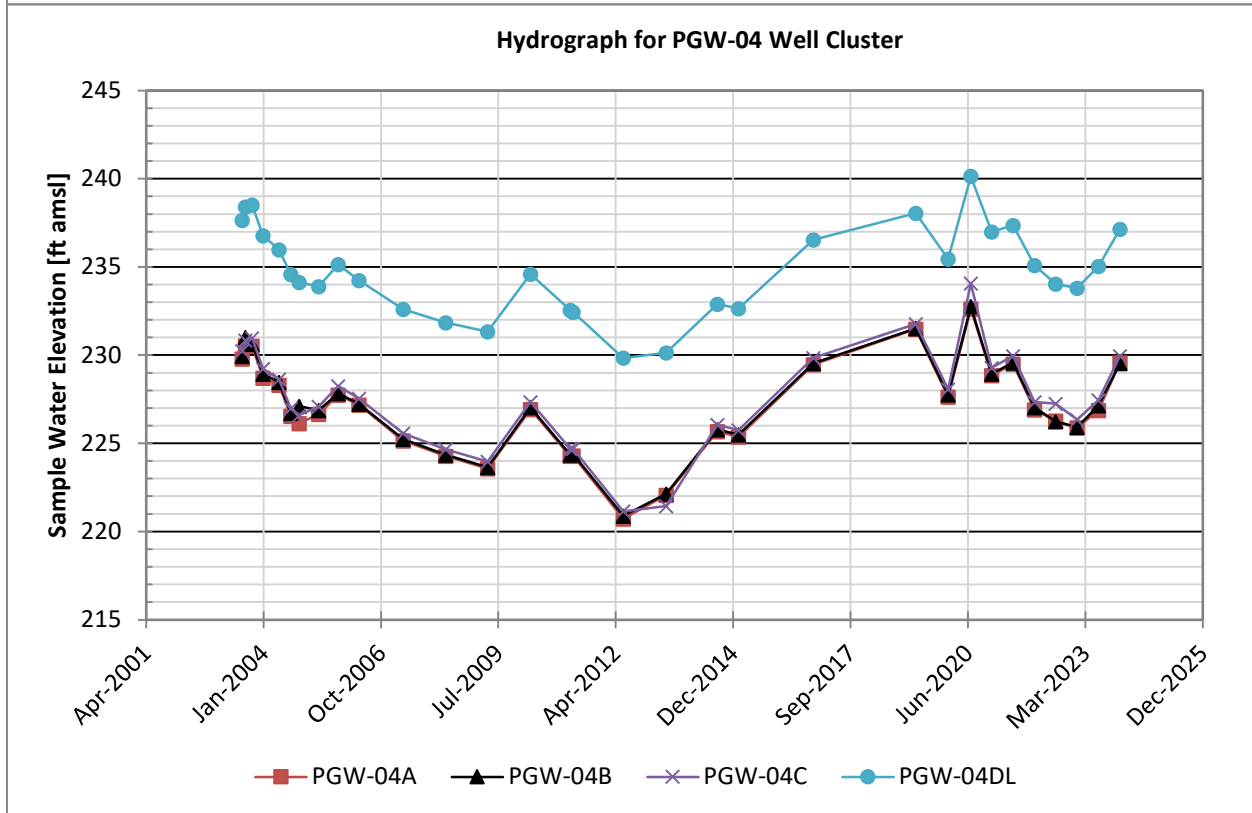
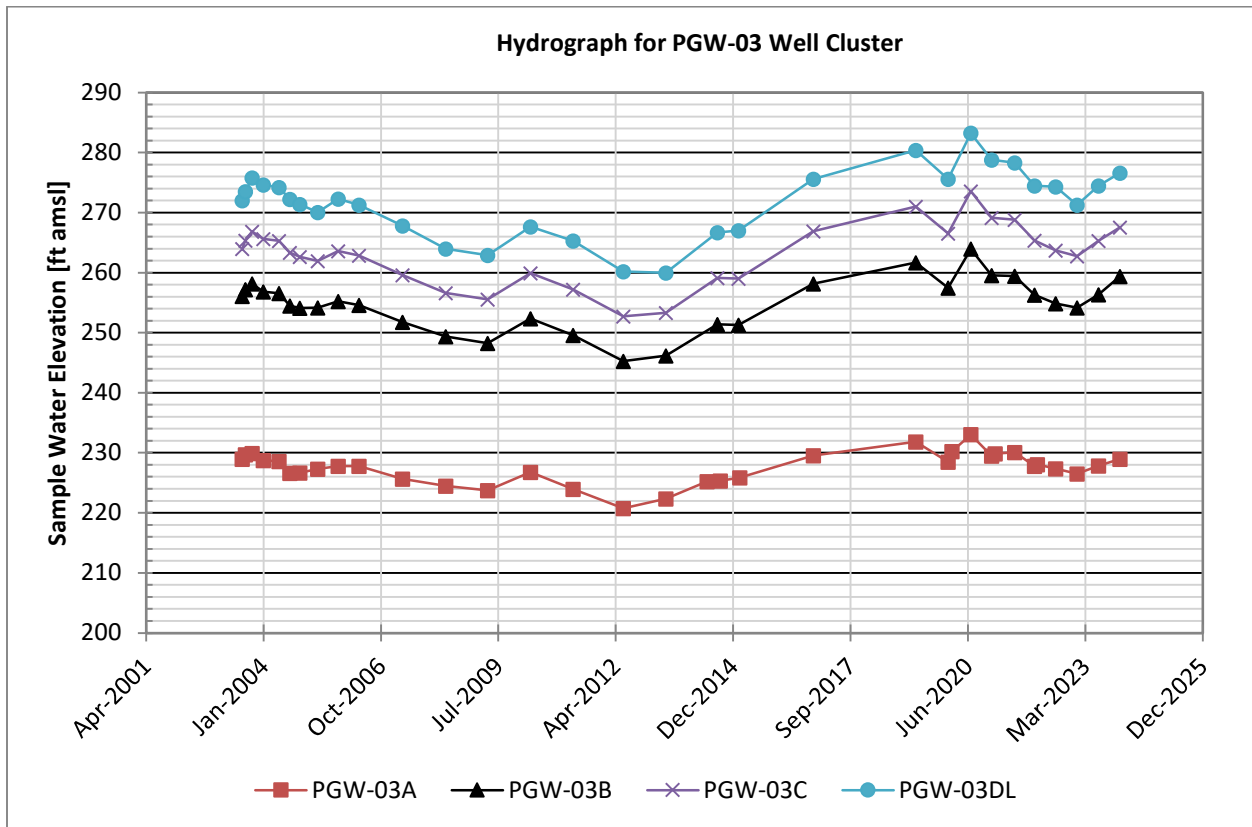


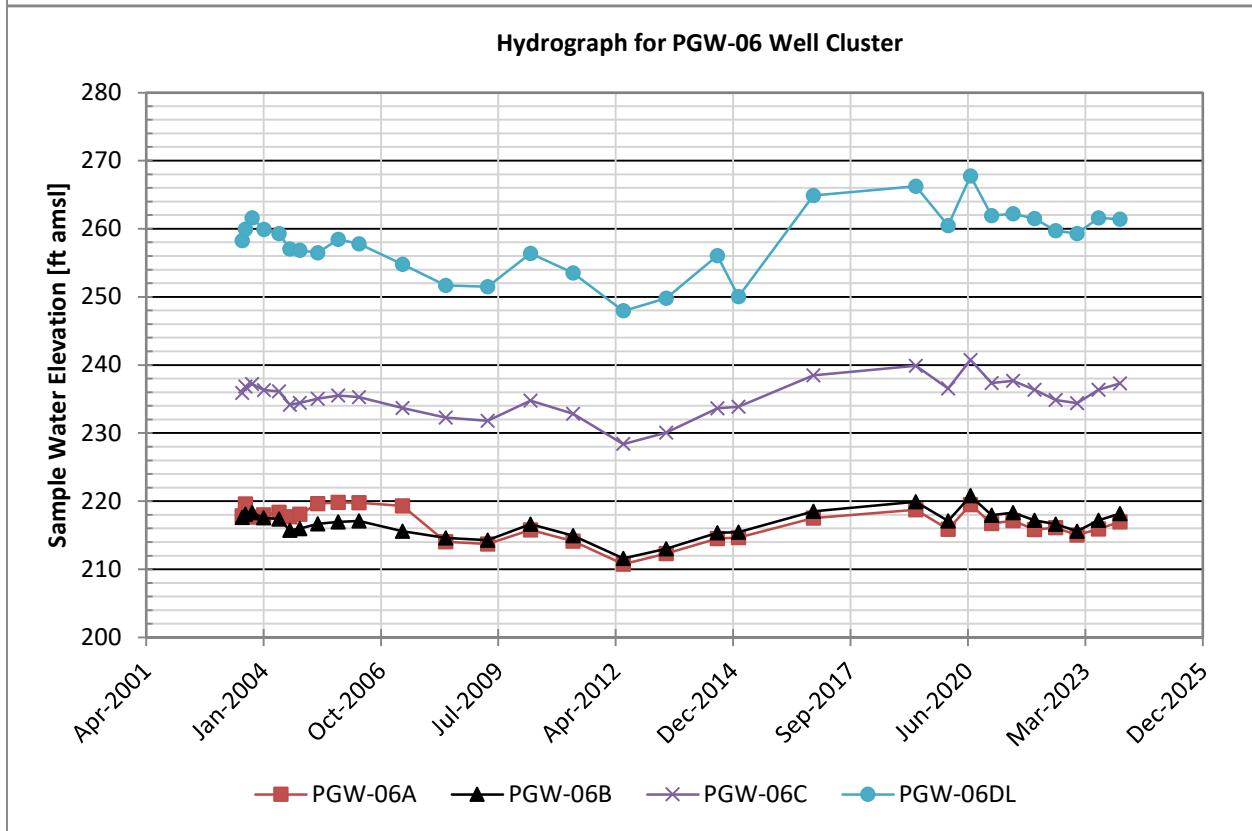
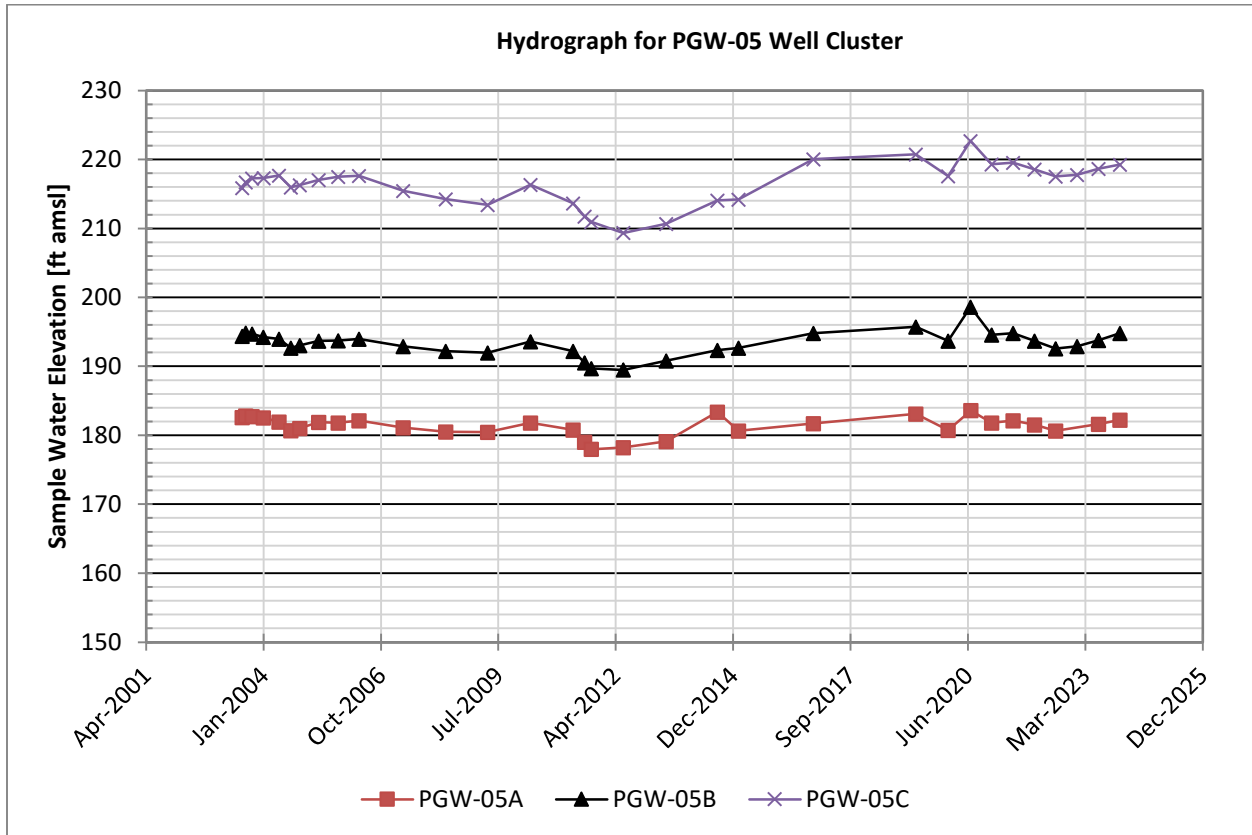


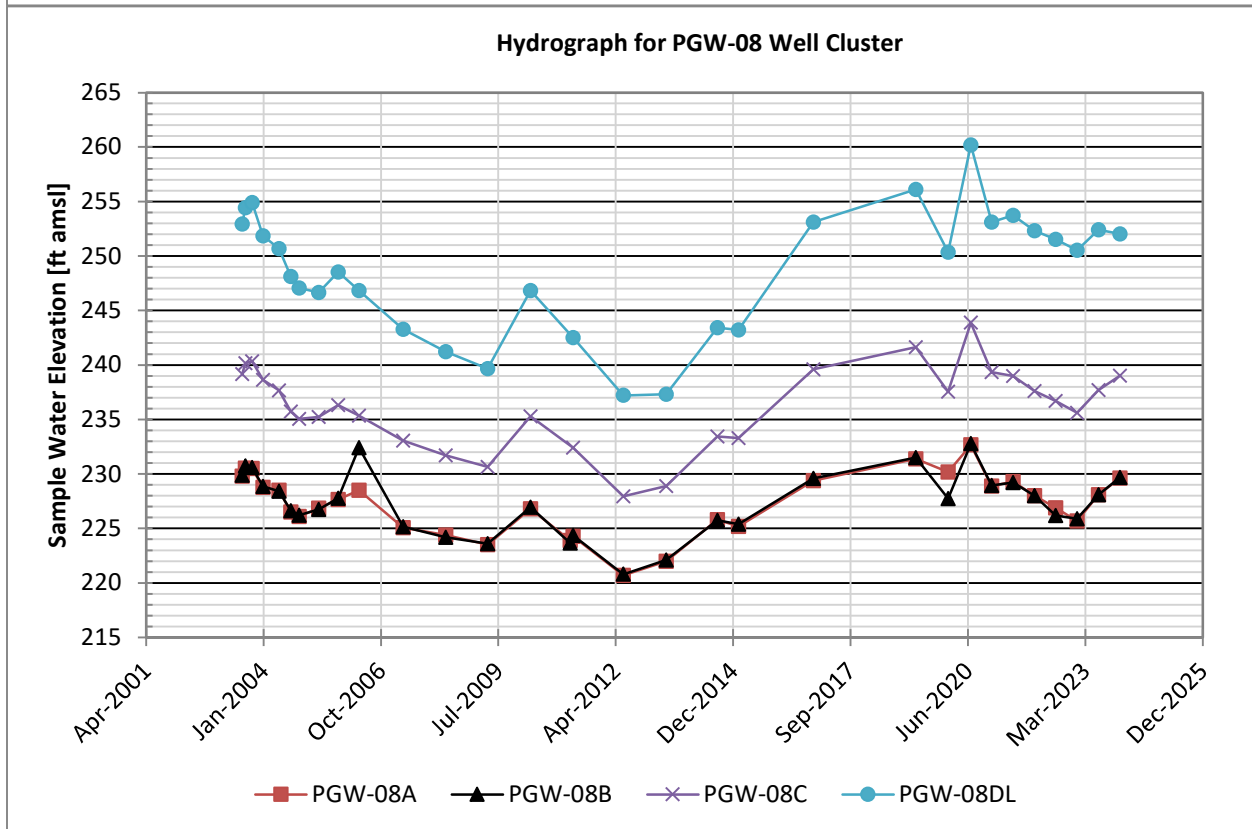
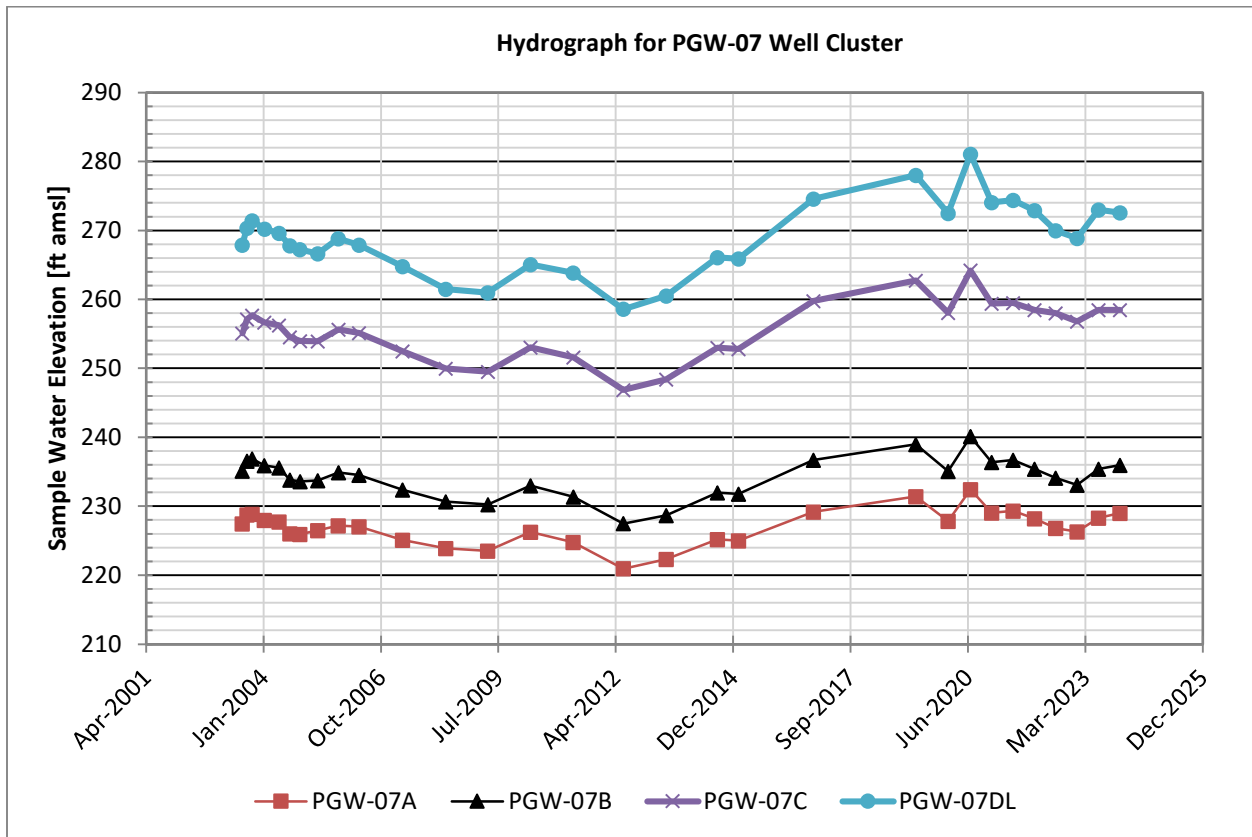


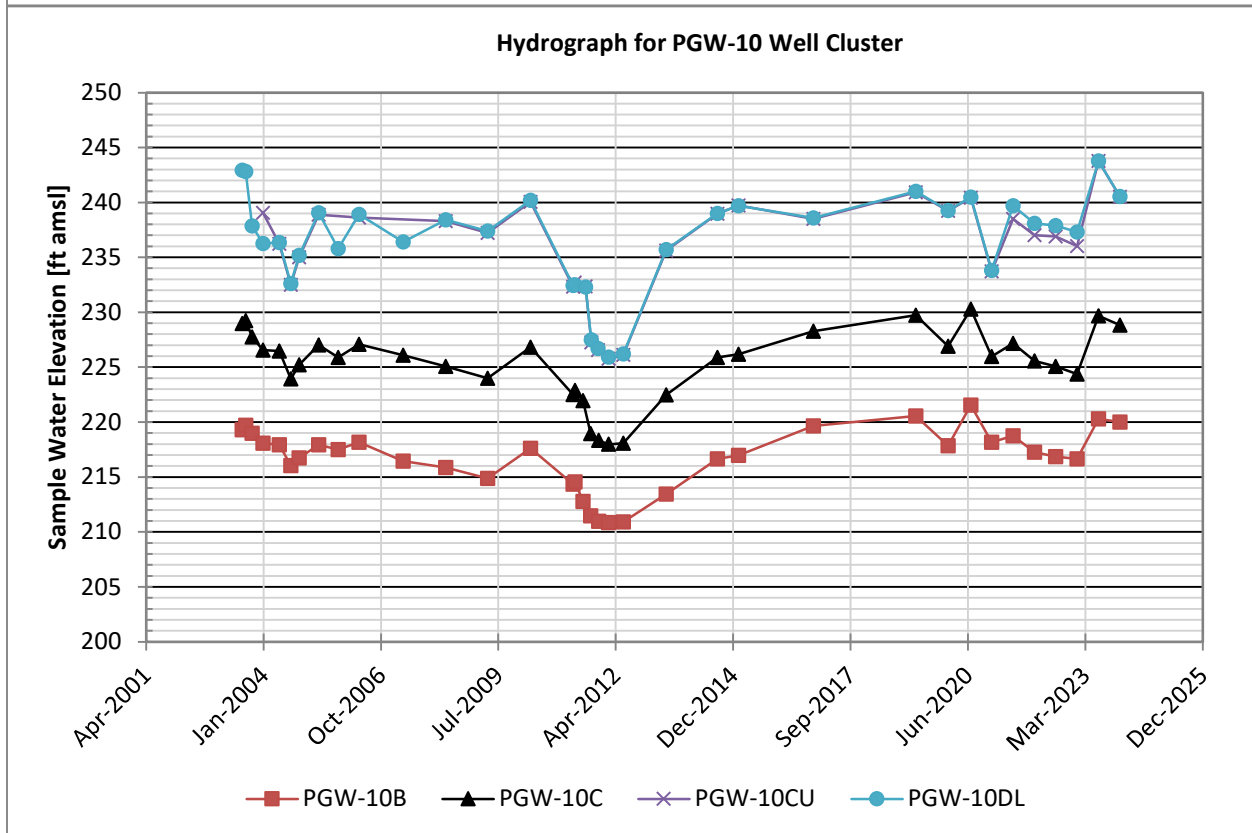
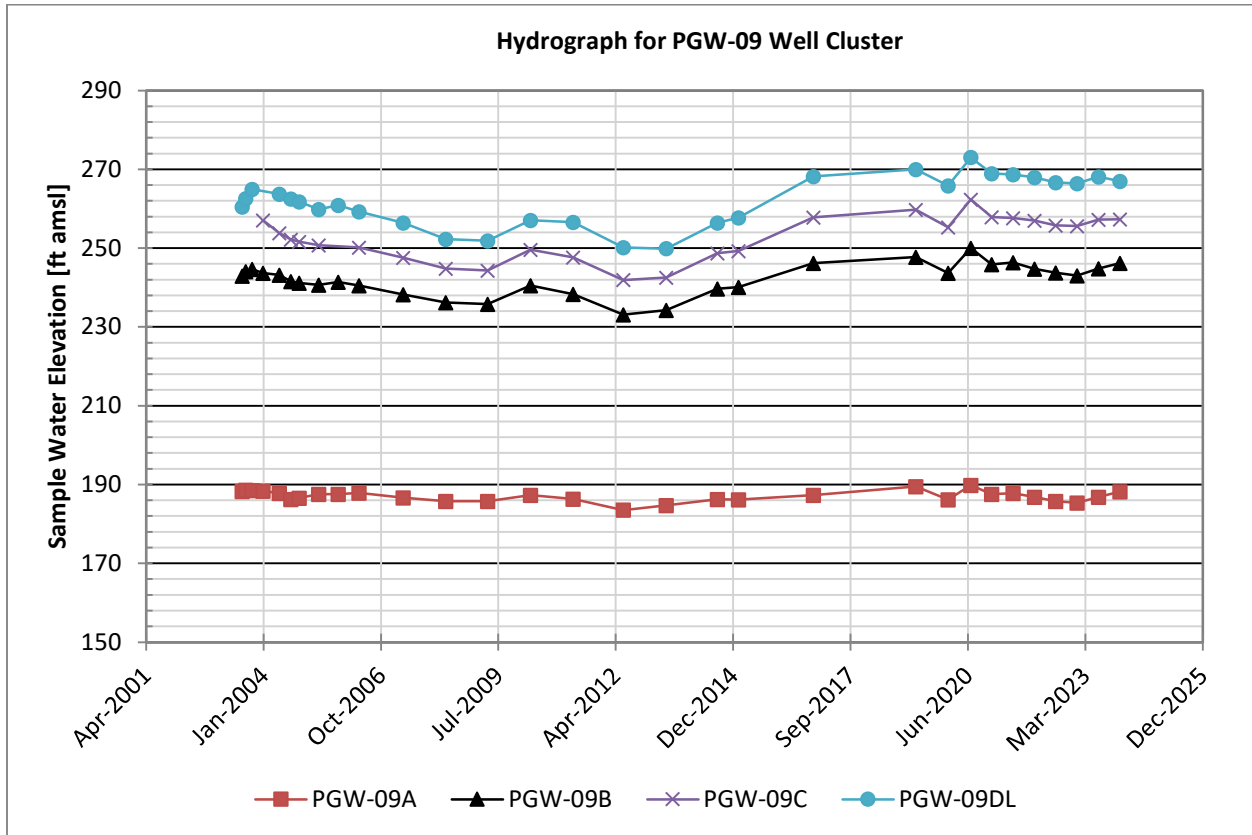


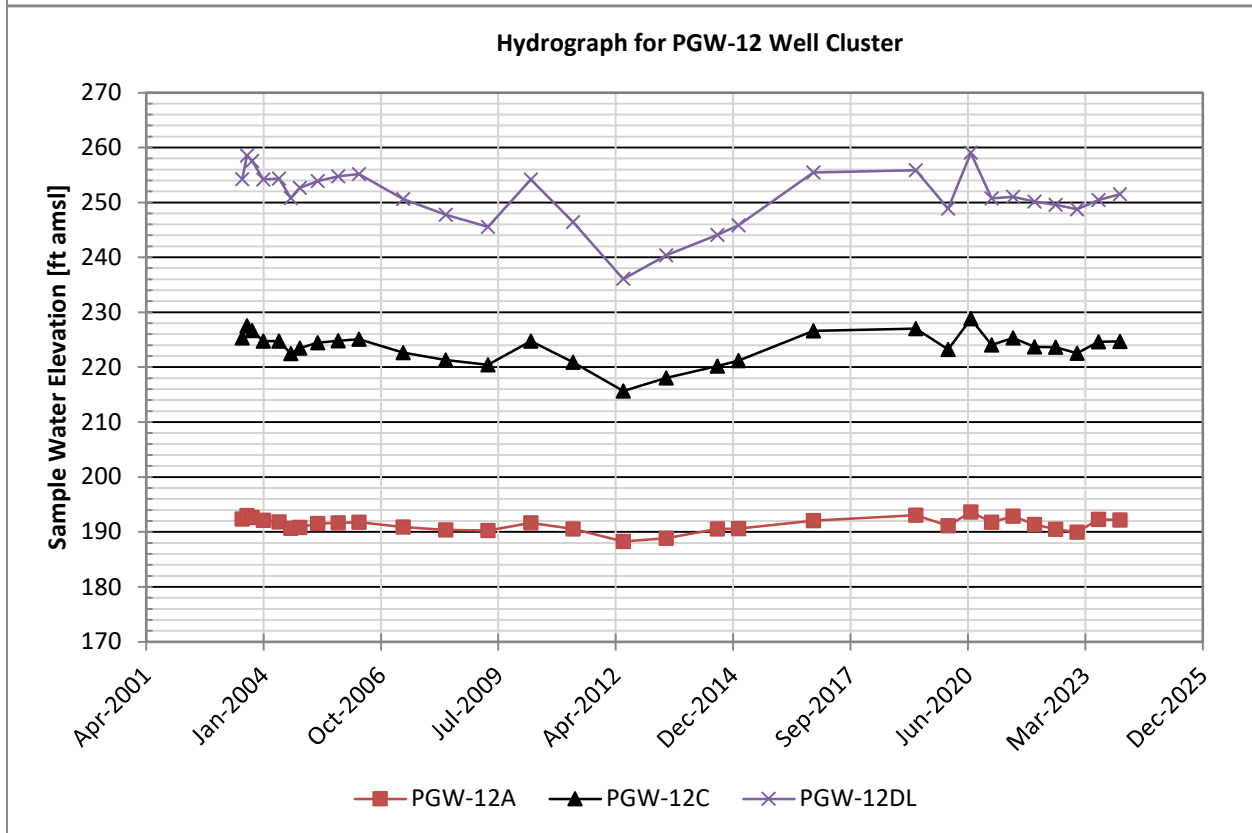
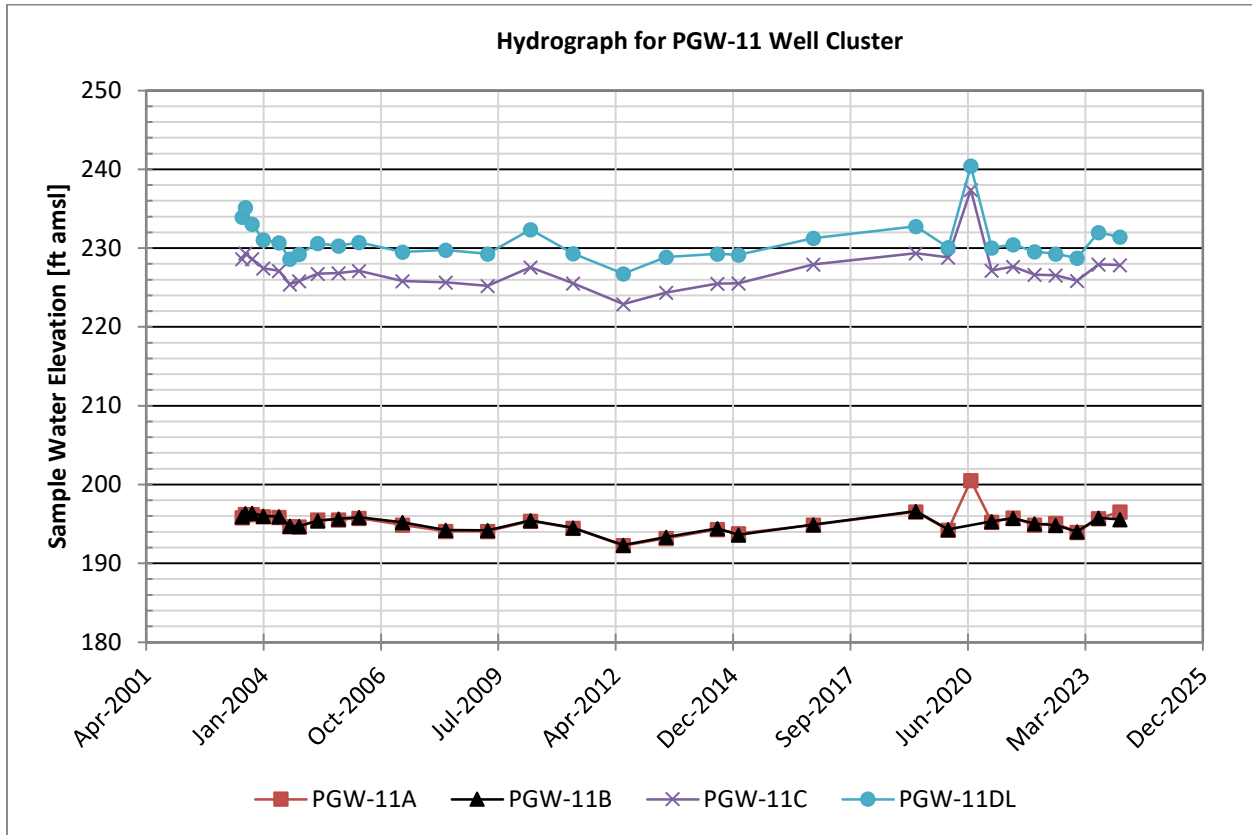


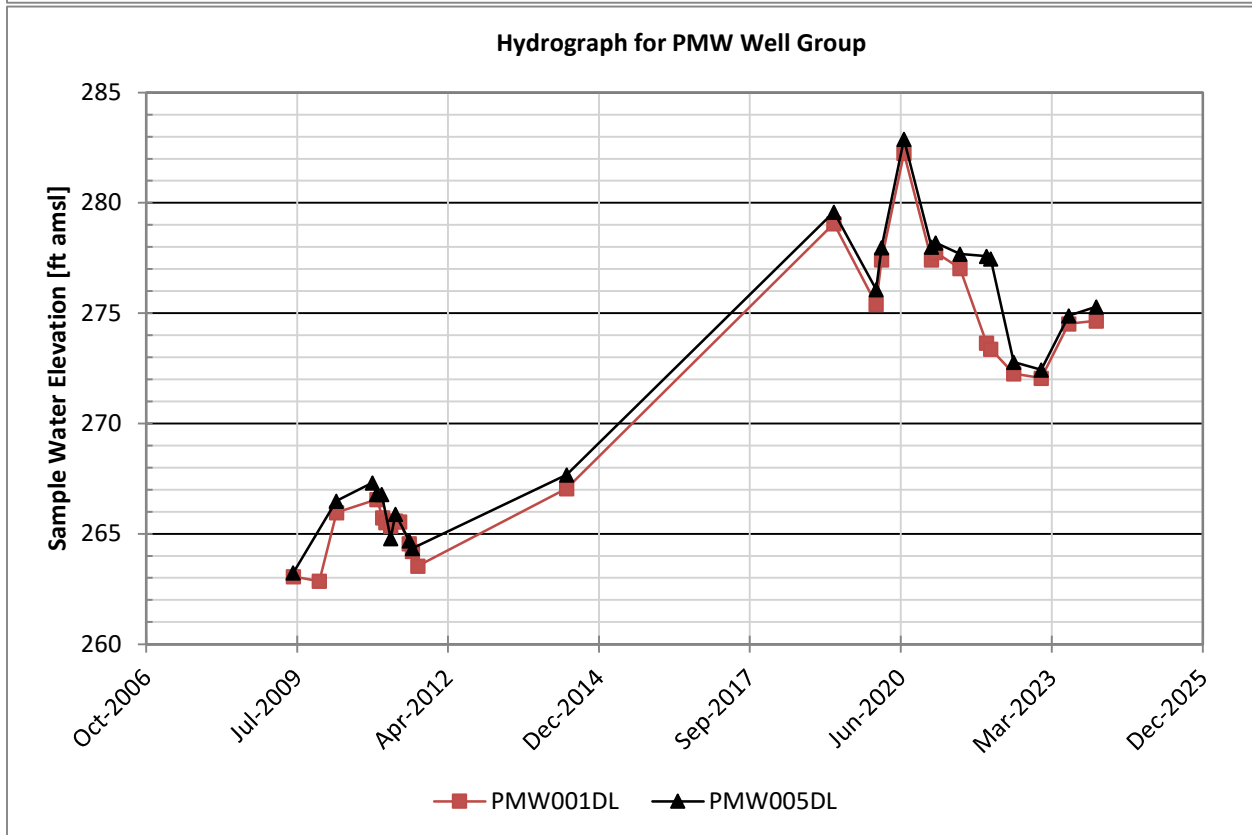
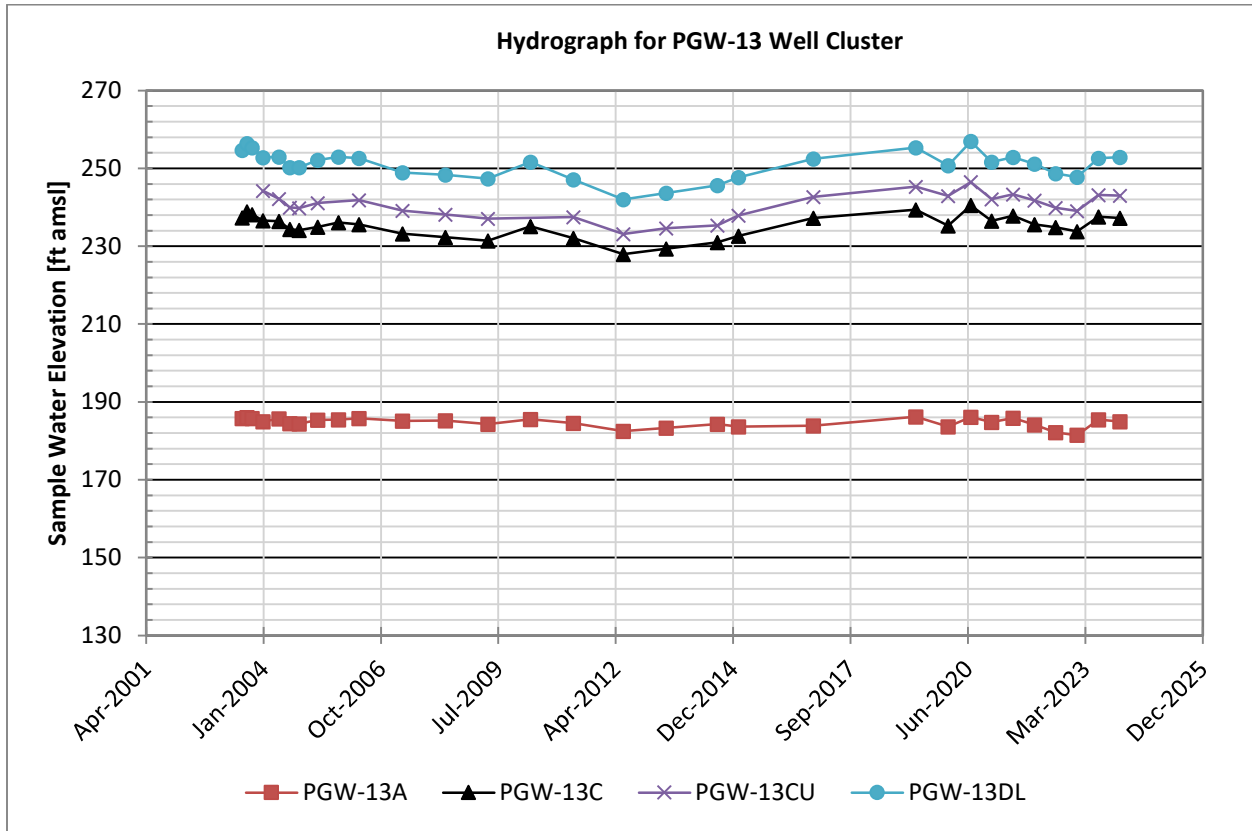


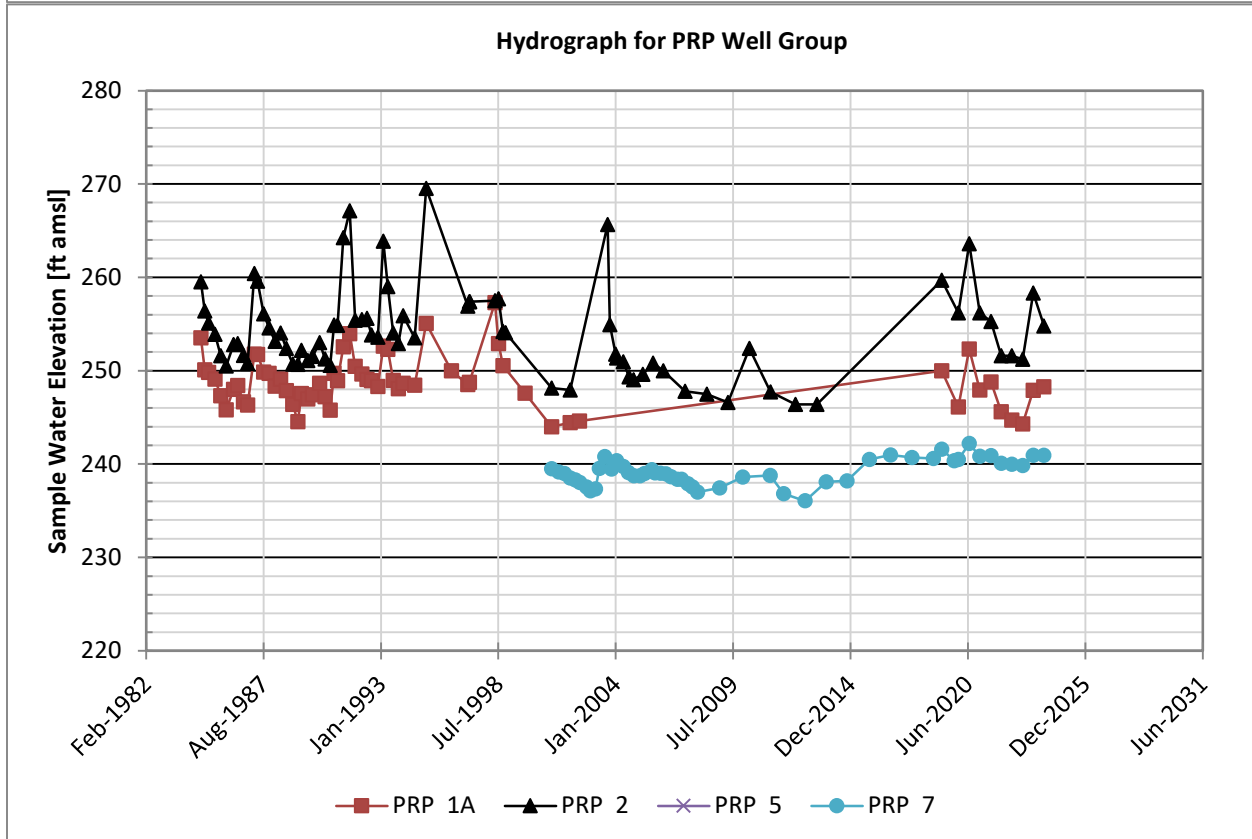
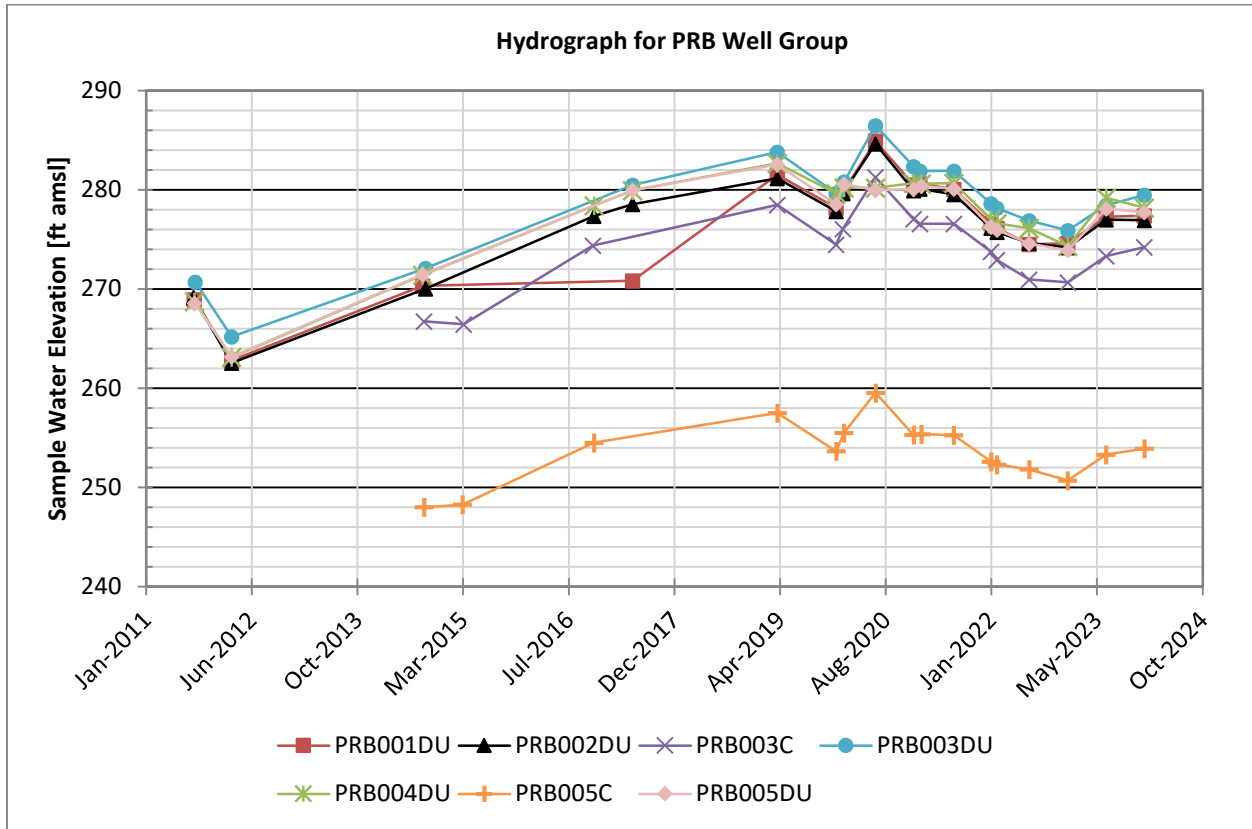


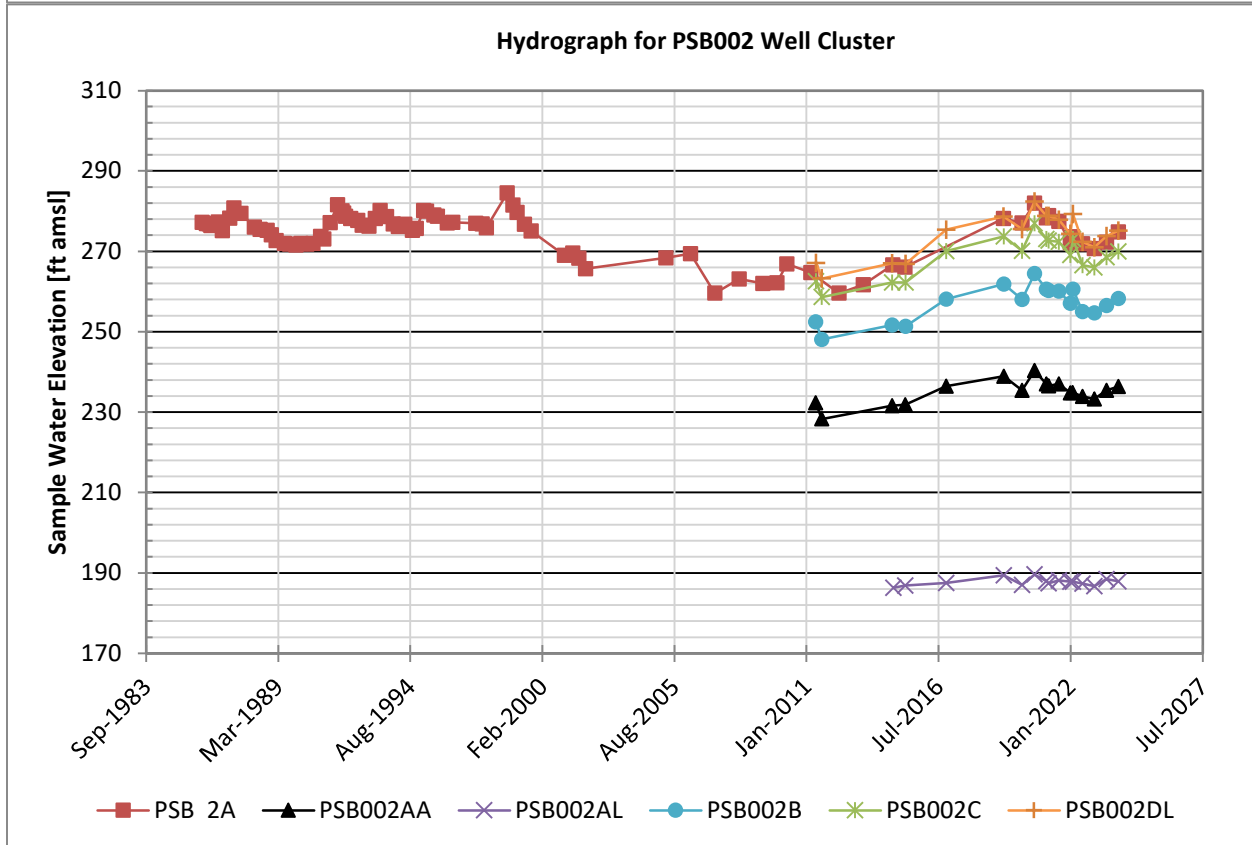
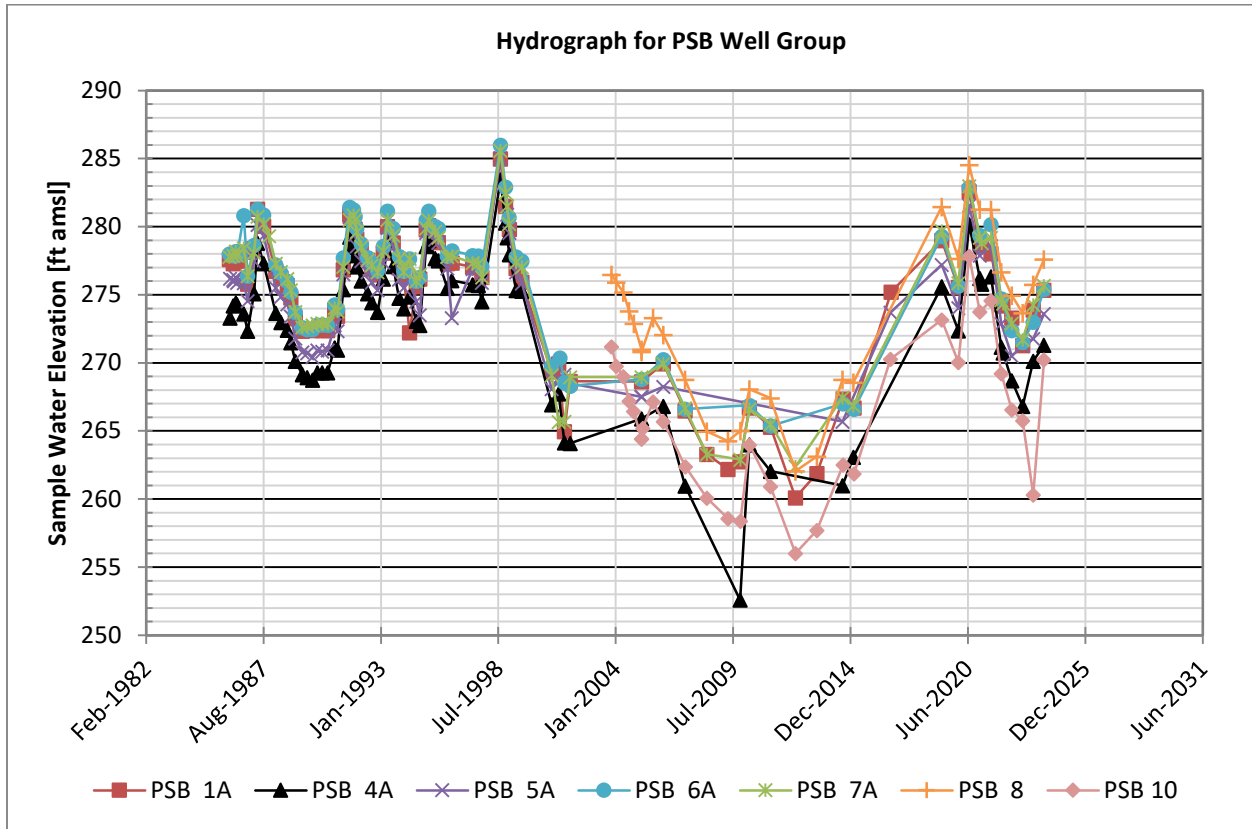


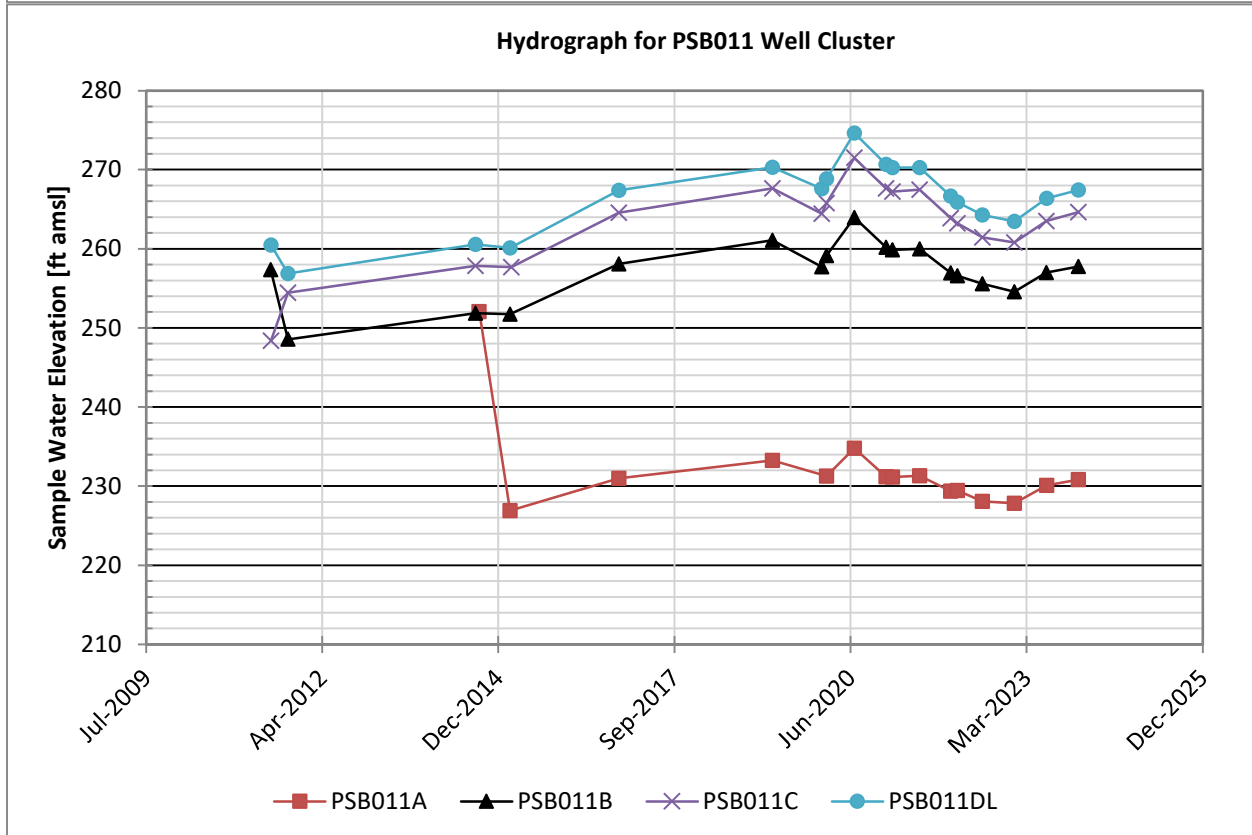
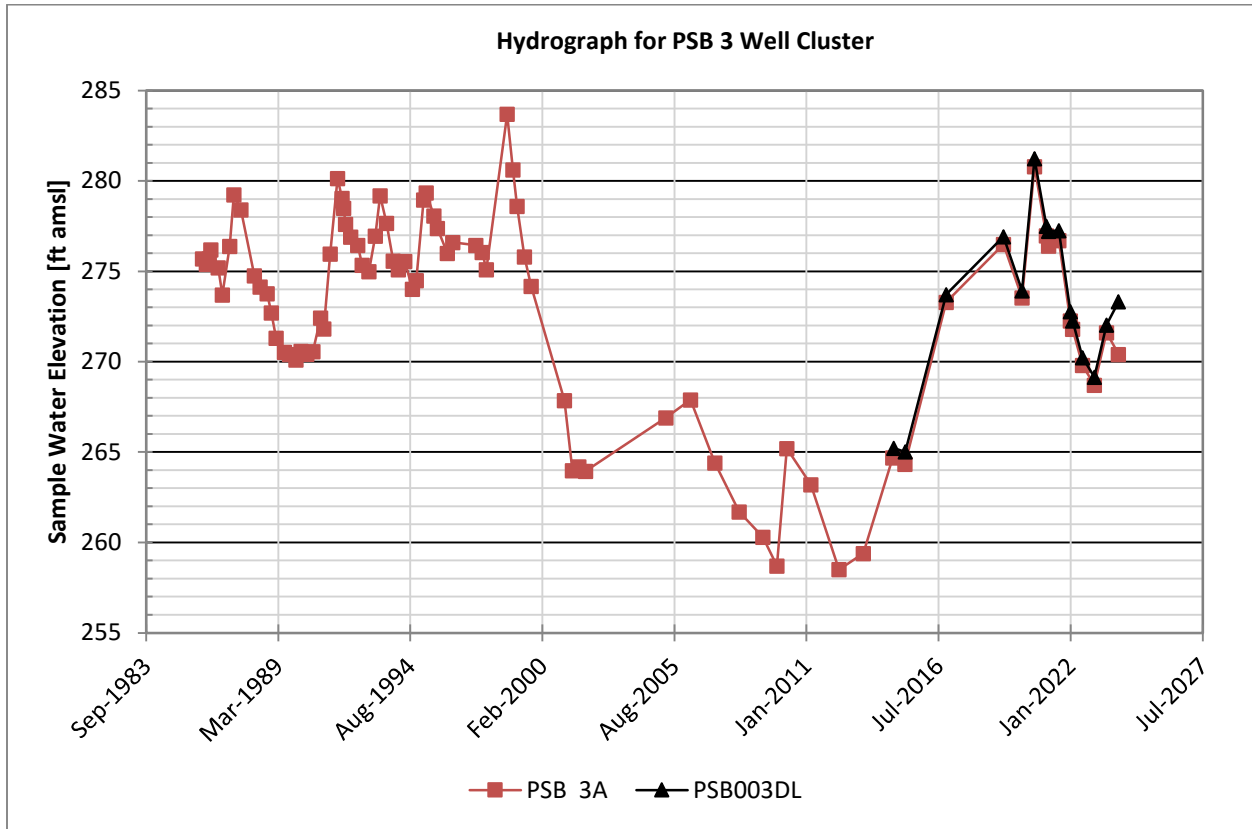


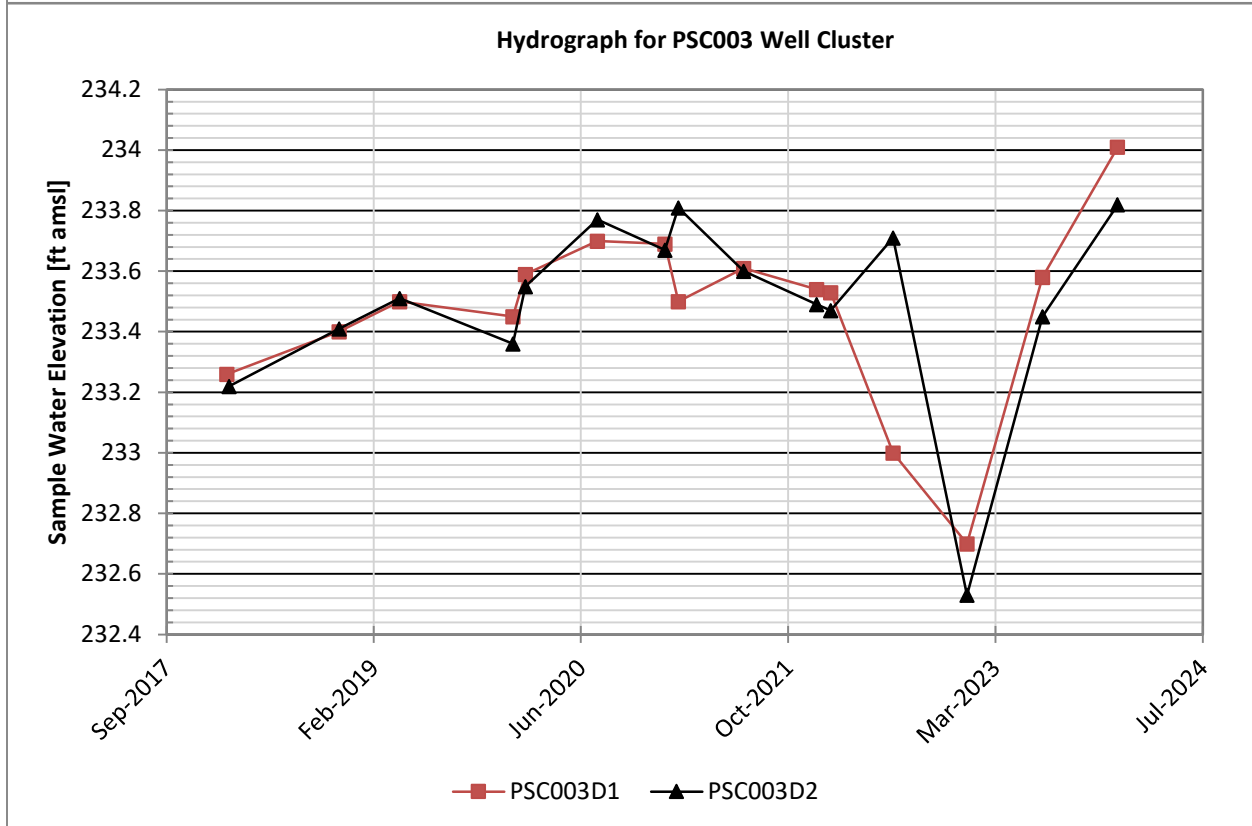
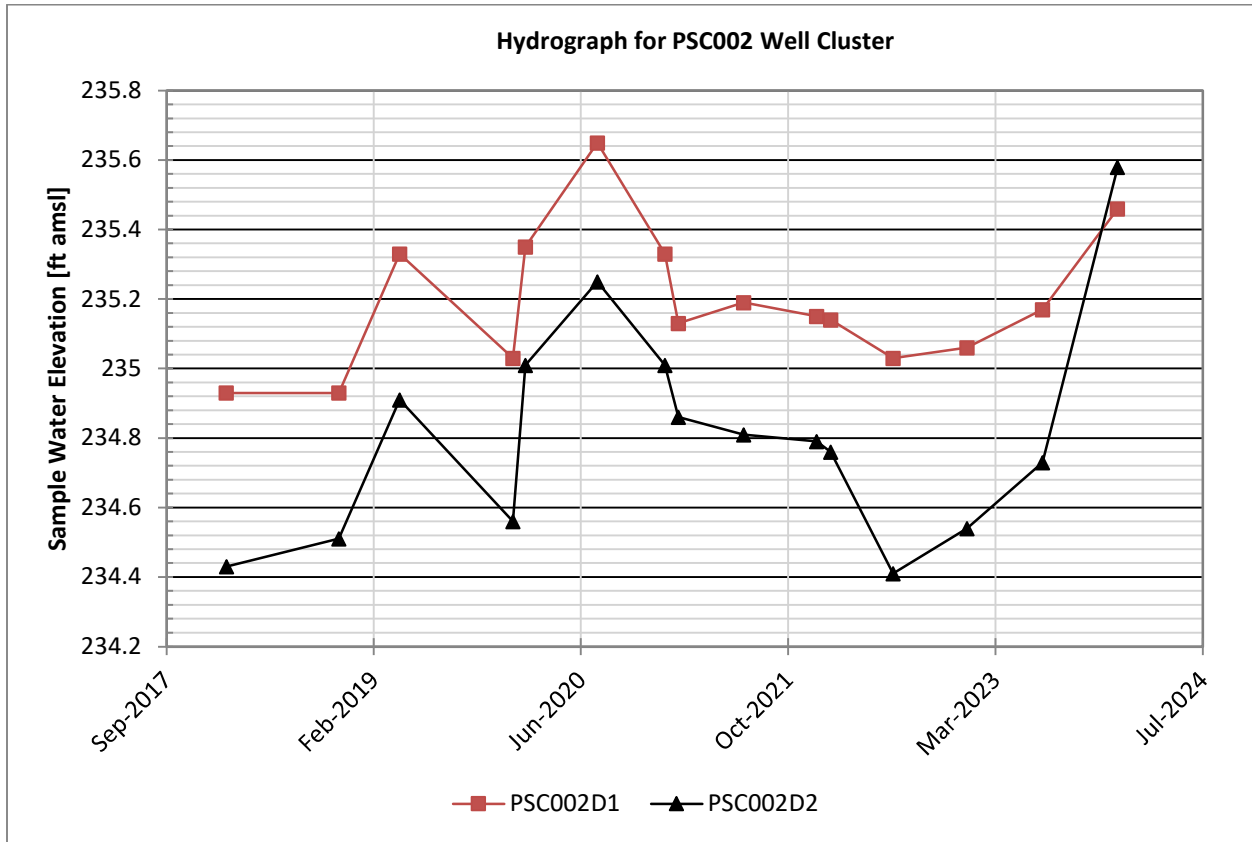


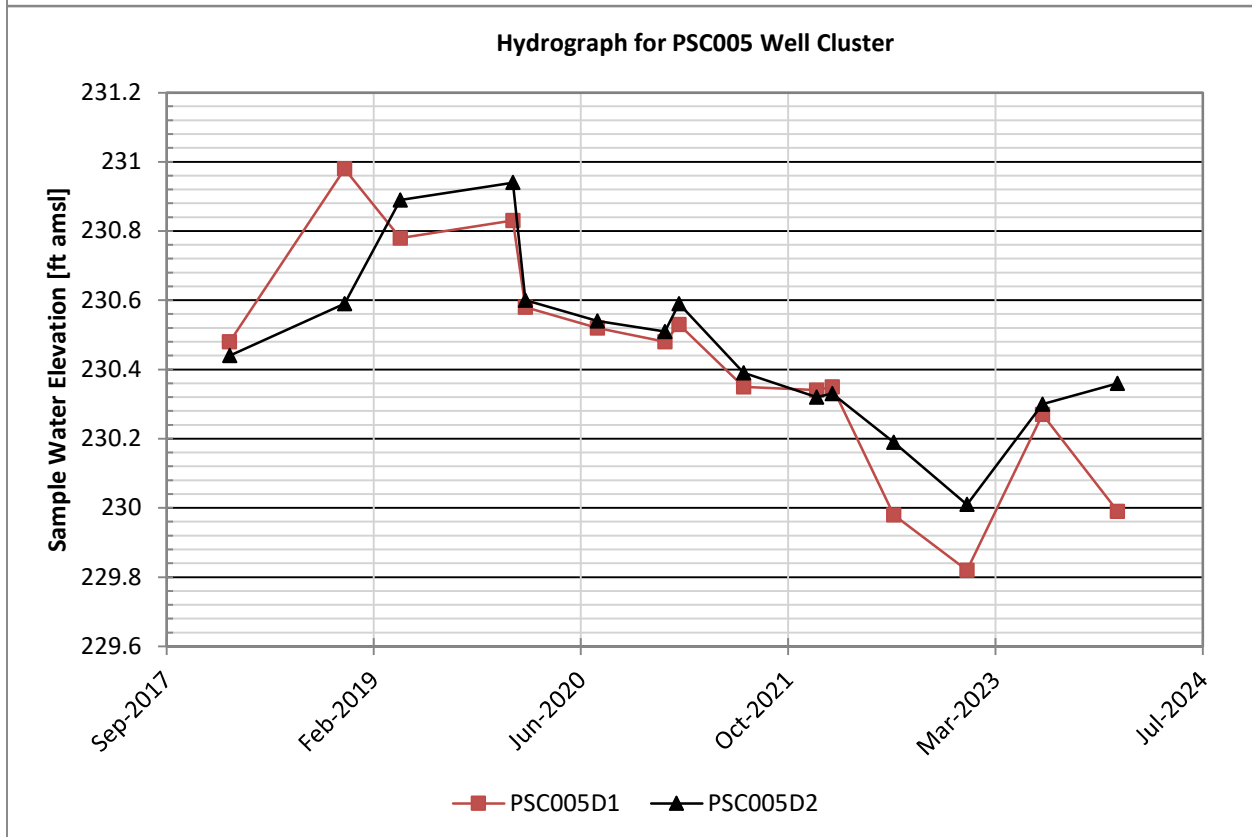
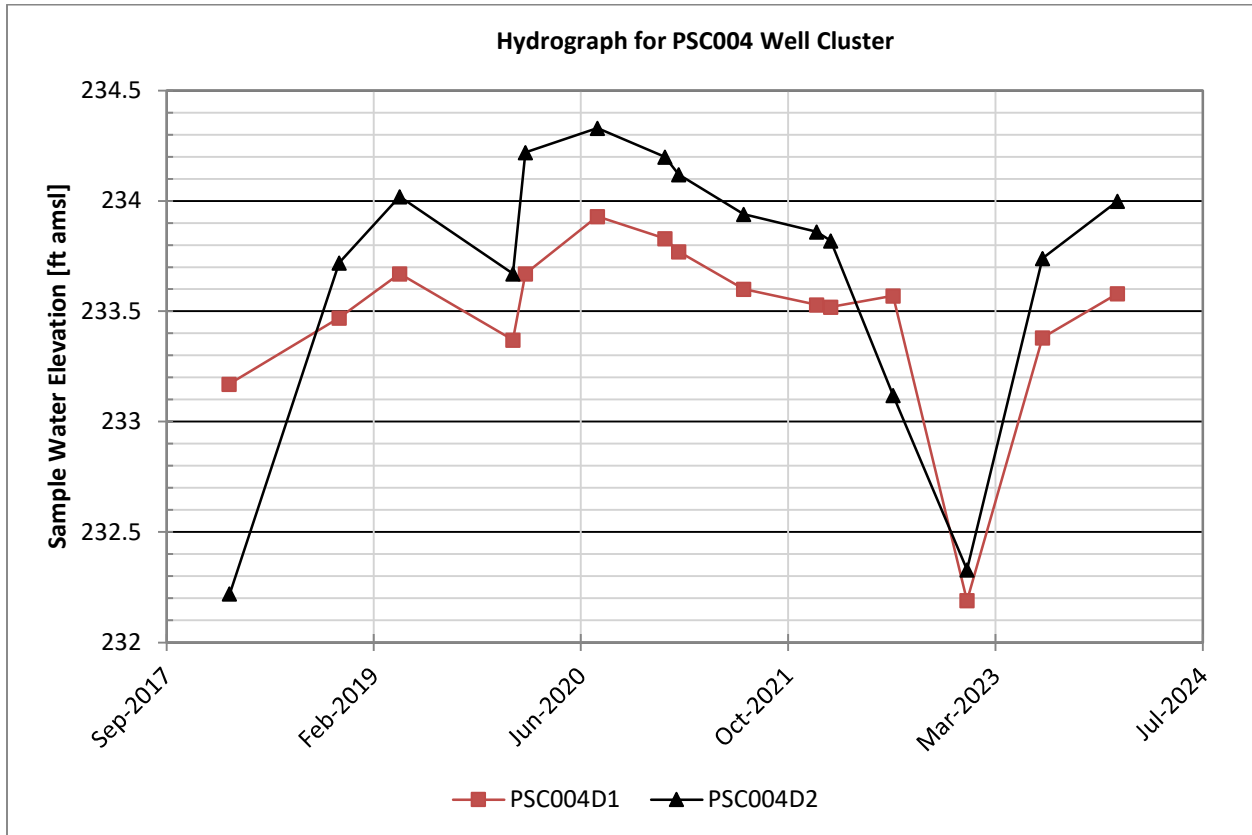


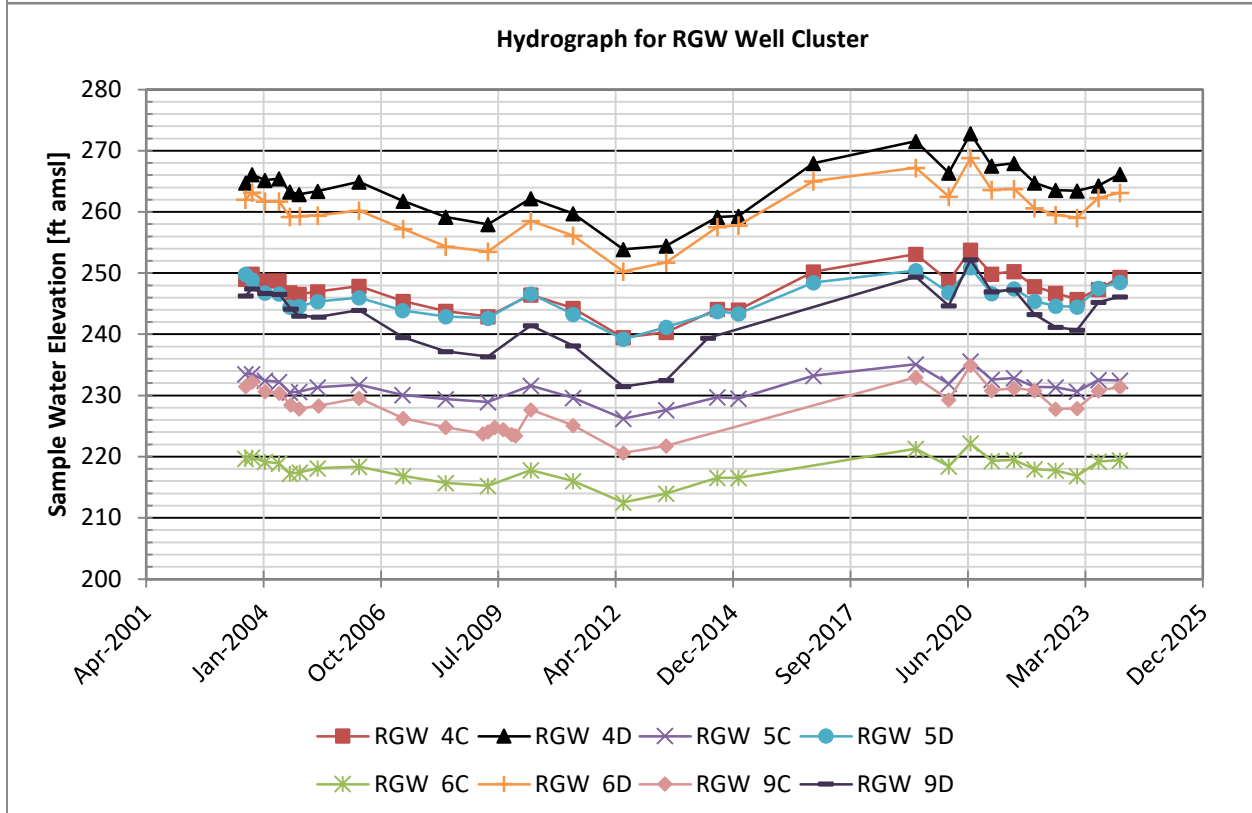
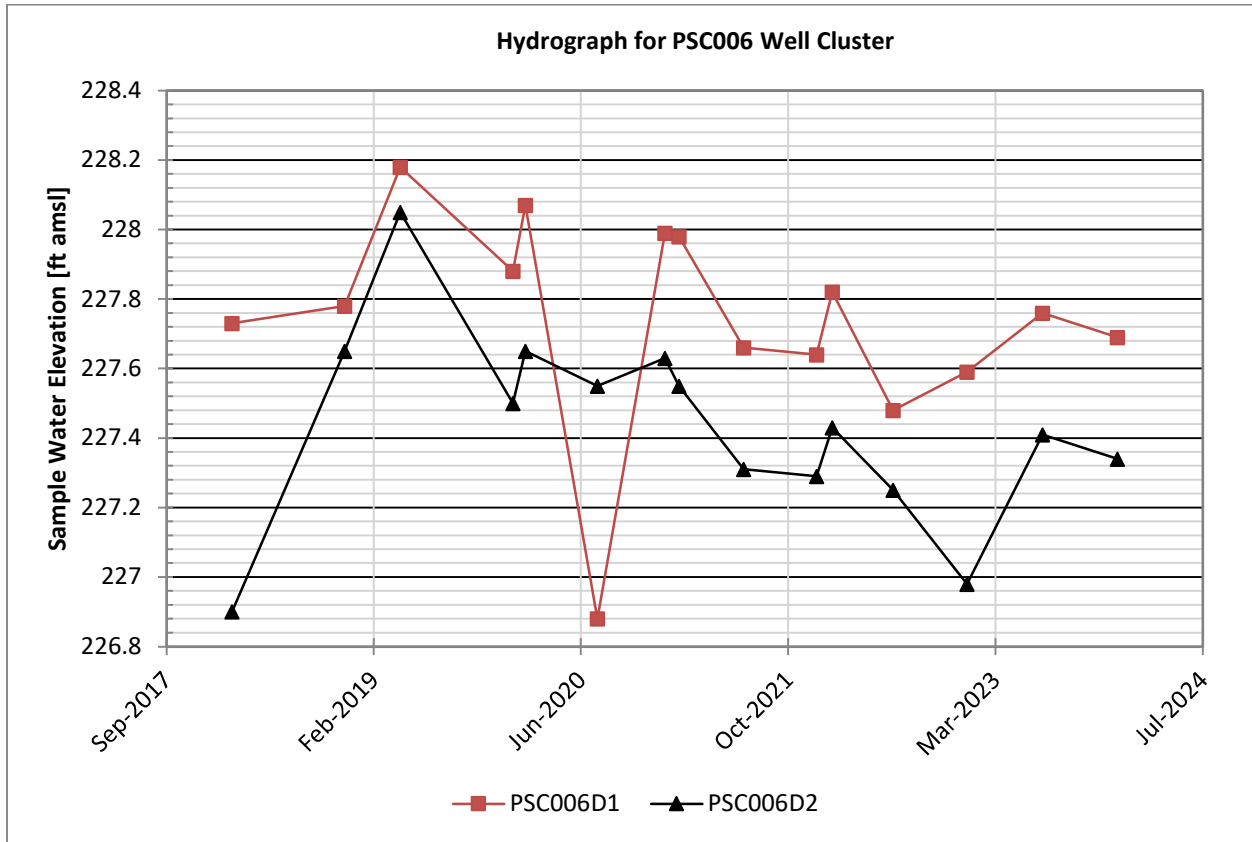












This page intentionally left blank.

APPENDIX B

ANALYTICAL DATA FOR PAGW OU 2024 SAMPLING

This page intentionally left blank.

Groundwater Report for the PAGW OU (U) 2024

SRNS-RP-2024-01436

Savannah River Site

Rev 0

February 2025

Page B-3 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
P002U	UAZ	1/29/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
P002U	UAZ	1/29/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
P002U	UAZ	1/29/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		94.1	ug/L	70	MCL	YES
P002U	UAZ	1/29/2024	DISSOLVED ORGANIC CARBON	0.33	1		6.1	mg/L	-	-	NO
P002U	UAZ	1/29/2024	DISSOLVED ORGANIC CARBON	0.33	1		6.07	mg/L	-	-	NO
P002U	UAZ	1/29/2024	ETHANE	0.9	5	J	7.3	ug/L	-	-	NO
P002U	UAZ	1/29/2024	ETHYLENE	0.79	5	J	2.3	ug/L	-	-	NO
P002U	UAZ	1/29/2024	FERRIC IRON	0.1	0.1	U	0.1	mg/L	14	RSL	NO
P002U	UAZ	1/29/2024	FERROUS IRON	0.5	0.5	J	16	mg/L	14	RSL	YES
P002U	UAZ	1/29/2024	IRON	40	100		15000	ug/L	14000	RSL	YES
P002U	UAZ	1/29/2024	NITRATE	0.033	0.1	U	0.1	mg/L	10	MCL	NO
P002U	UAZ	1/29/2024	SULFATE	0.133	0.4	U	0.4	mg/L	-	-	NO
P002U	UAZ	1/29/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
P002U	UAZ	1/29/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
P002U	UAZ	1/29/2024	TOTAL INORGANIC CARBON	0.33	1		10.4	mg/L	-	-	NO
P002U	UAZ	1/29/2024	TOTAL INORGANIC CARBON	0.33	1		10.4	mg/L	-	-	NO
P002U	UAZ	1/29/2024	TOTAL INORGANIC CARBON	0.33	1		9.63	mg/L	-	-	NO
P002U	UAZ	1/29/2024	TOTAL ORGANIC CARBON	0.33	1		6.1	mg/L	-	-	NO
P002U	UAZ	1/29/2024	TOTAL ORGANIC CARBON	0.33	1		6.08	mg/L	-	-	NO
P002U	UAZ	1/29/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/L	400	RSL	NO
P002U	UAZ	1/29/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/L	400	RSL	NO
P002U	UAZ	1/29/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
P002U	UAZ	1/29/2024	TRICHLOROETHYLENE (TCE)	0.333	1		4.96	ug/L	5	MCL	NO
P002U	UAZ	1/29/2024	TRITIUM	1.3	4.3		12	pCi/mL	20	MCL	NO
P002U	UAZ	1/29/2024	TRITIUM	1.3	4.3		11.7	pCi/mL	20	MCL	NO
P003L	UAZ	1/29/2024	1,1-DICHLOROETHYLENE	0.333	1		1.15	ug/L	7	MCL	NO
P003L	UAZ	1/29/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	J	0.71	ug/L	2	MCL	NO
P003L	UAZ	1/29/2024	CIS-1,2-DICHLOROETHYLENE	33.3	100		532	ug/L	70	MCL	YES
P003L	UAZ	1/29/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
P003L	UAZ	1/29/2024	ETHANE	0.9	5	J	5.2	ug/L	-	-	NO
P003L	UAZ	1/29/2024	ETHYLENE	0.79	5	J	4.7	ug/L	-	-	NO
P003L	UAZ	1/29/2024	FERRIC IRON	0.1	0.1	R	0.1	mg/L	14	RSL	NO
P003L	UAZ	1/29/2024	FERROUS IRON	0.05	0.05	R	0.05	mg/L	14	RSL	NO
P003L	UAZ	1/29/2024	IRON	40	100	J	53	ug/L	14000	RSL	NO
P003L	UAZ	1/29/2024	NITRATE	0.033	0.1		0.623	mg/L	10	MCL	NO
P003L	UAZ	1/29/2024	SULFATE	0.133	0.4		0.762	mg/L	-	-	NO
P003L	UAZ	1/29/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
P003L	UAZ	1/29/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.34	ug/L	5	MCL	NO
P003L	UAZ	1/29/2024	TOTAL INORGANIC CARBON	1.65	5		8.03	mg/L	-	-	NO
P003L	UAZ	1/29/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
P003L	UAZ	1/29/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/L	400	RSL	NO
P003L	UAZ	1/29/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		10.2	ug/L	100	MCL	NO
P003L	UAZ	1/29/2024	TRICHLOROETHYLENE (TCE)	33.3	100		5240	ug/L	5	MCL	YES
P003L	UAZ	1/29/2024	TRITIUM	1.27	32.9		808	pCi/mL	20	MCL	YES
P003U	UAZ	1/29/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
P003U	UAZ	1/29/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
P003U	UAZ	1/29/2024	CIS-1,2-DICHLOROETHYLENE	3.33	10		11	ug/L	70	MCL	NO
P003U	UAZ	1/29/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
P003U	UAZ	1/29/2024	ETHANE	0.9	5	J	2.7	ug/L	-	-	NO
P003U	UAZ	1/29/2024	ETHYLENE	0.79	5	J	2.5	ug/L	-	-	NO
P003U	UAZ	1/29/2024	FERRIC IRON	0.1	0.1	R	0.1	mg/L	14	RSL	NO
P003U	UAZ	1/29/2024	FERROUS IRON	0.05	0.05	R	0.05	mg/L	14	RSL	NO
P003U	UAZ	1/29/2024	IRON	40	100	U	100	ug/L	14000	RSL	NO
P003U	UAZ	1/29/2024	NITRATE	0.033	0.1		2.07	mg/L	10	MCL	NO
P003U	UAZ	1/29/2024	SULFATE	0.133	0.4		0.754	mg/L	-	-	NO
P003U	UAZ	1/29/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
P003U	UAZ	1/29/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		2.45	ug/L	5	MCL	NO
P003U	UAZ	1/29/2024	TOTAL INORGANIC CARBON	0.33	1		6.2	mg/L	-	-	NO
P003U	UAZ	1/29/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
P003U	UAZ	1/29/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/L	400	RSL	NO
P003U	UAZ	1/29/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
P003U	UAZ	1/29/2024	TRICHLOROETHYLENE (TCE)	3.33	10		741	ug/L	5	MCL	YES
P003U	UAZ	1/29/2024	TRITIUM	0.729	2.52		7.99	pCi/mL	20	MCL	NO
PA0001DU	UAZ	1/29/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PA0001DU	UAZ	1/29/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PA0001DU	UAZ	1/29/2024	ALUMINUM	68	200		4890	ug/L	20000	RSL	NO
PA0001DU	UAZ	1/29/2024	ALUMINUM	68	200		4360	ug/L	20000	RSL	NO
PA0001DU	UAZ	1/29/2024	ANTIMONY	3.5	20	U	20	ug/L	6	MCL	NO

Groundwater Report for the PAGW OU (U) 2024

SRNS-RP-2024-01436

Savannah River Site

Rev 0

February 2025

Page B-4 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PAO001DU	UAZ	1/29/2024	ANTIMONY	3.5	20	U	20	ug/L	6	MCL	NO
PAO001DU	UAZ	1/29/2024	ARSENIC	5	30	J	5.36	ug/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	ARSENIC	5	30	J	5.12	ug/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	BARIIUM	1	5		11.5	ug/L	2000	MCL	NO
PAO001DU	UAZ	1/29/2024	BARIIUM	1	5		11.1	ug/L	2000	MCL	NO
PAO001DU	UAZ	1/29/2024	BERYLLIUM	1	5	U	5	ug/L	4	MCL	NO
PAO001DU	UAZ	1/29/2024	BERYLLIUM	1	5	U	5	ug/L	4	MCL	NO
PAO001DU	UAZ	1/29/2024	CADMIUM	1	5	U	5	ug/L	5	MCL	NO
PAO001DU	UAZ	1/29/2024	CADMIUM	1	5	U	5	ug/L	5	MCL	NO
PAO001DU	UAZ	1/29/2024	CALCIUM	50	200		8180	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	CALCIUM	50	200		7660	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	CHLORIDE	0.067	0.2		2.8	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	CHLORIDE	0.067	0.2	J	2.79	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	CHLORIDE	0.067	0.2		2.76	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PAO001DU	UAZ	1/29/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PAO001DU	UAZ	1/29/2024	CHROMIUM	1	10		103	ug/L	100	MCL	YES
PAO001DU	UAZ	1/29/2024	CHROMIUM	1	10		97.4	ug/L	100	MCL	NO
PAO001DU	UAZ	1/29/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PAO001DU	UAZ	1/29/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PAO001DU	UAZ	1/29/2024	COBALT	1	5	U	5	ug/L	6	RSL	NO
PAO001DU	UAZ	1/29/2024	COBALT	1	5	J	1.34	ug/L	6	RSL	NO
PAO001DU	UAZ	1/29/2024	COPPER	3	20	J	3.68	ug/L	1300	MCL	NO
PAO001DU	UAZ	1/29/2024	COPPER	3	20	J	3.12	ug/L	1300	MCL	NO
PAO001DU	UAZ	1/29/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	DISSOLVED ORGANIC CARBON	0.33	1	J	0.606	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	ETHANE	0.9	5	J	2.9	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	ETHANE	0.9	5	J	2.7	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	ETHYLENE	0.79	5	J	2.2	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	ETHYLENE	0.79	5	J	2.2	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	FERRIC IRON	0.1	0.1	R	0.1	mg/L	14	RSL	NO
PAO001DU	UAZ	1/29/2024	FERRIC IRON	0.1	0.1	J	0.1	mg/L	14	RSL	NO
PAO001DU	UAZ	1/29/2024	FERROUS IRON	0.05	0.05	R	0.05	mg/L	14	RSL	NO
PAO001DU	UAZ	1/29/2024	FERROUS IRON	0.05	0.05	R	0.05	mg/L	14	RSL	NO
PAO001DU	UAZ	1/29/2024	GROSS ALPHA	1.05	3.09	J	7.15	pCi/L	15	MCL	NO
PAO001DU	UAZ	1/29/2024	GROSS ALPHA	0.529	2.15		6.61	pCi/L	15	MCL	NO
PAO001DU	UAZ	1/29/2024	GROSS ALPHA	0.73	2.39	J	5.16	pCi/L	15	MCL	NO
PAO001DU	UAZ	1/29/2024	IRON	30	100	J	43.7	ug/L	14000	RSL	NO
PAO001DU	UAZ	1/29/2024	IRON	30	100	J	38.8	ug/L	14000	RSL	NO
PAO001DU	UAZ	1/29/2024	LEAD	3.3	20	U	20	ug/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	LEAD	3.3	20	J	4.99	ug/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	MAGNESIUM	110	300		1000	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	MAGNESIUM	110	300		981	ug/L	-	-	NO
PAO001DU	UAZ	1/29/2024	MANGANESE	2	10	U	10	ug/L	430	RSL	NO
PAO001DU	UAZ	1/29/2024	MANGANESE	2	10	U	10	ug/L	430	RSL	NO
PAO001DU	UAZ	1/29/2024	MERCURY	0.067	0.2	J	0.198	ug/L	2	MCL	NO
PAO001DU	UAZ	1/29/2024	MERCURY	0.067	0.2	J	0.168	ug/L	2	MCL	NO
PAO001DU	UAZ	1/29/2024	NICKEL	1.5	5	J	2.35	ug/L	390	RSL	NO
PAO001DU	UAZ	1/29/2024	NICKEL	1.5	5	J	1.75	ug/L	390	RSL	NO
PAO001DU	UAZ	1/29/2024	NITRATE	0.033	0.1		2.25	mg/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	NITRATE	0.033	0.1	J	2.23	mg/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	NITRATE	0.033	0.1		2.18	mg/L	10	MCL	NO
PAO001DU	UAZ	1/29/2024	NONVOLATILE BETA	0.722	1.9		4.59	pCi/L	50	MCL	NO
PAO001DU	UAZ	1/29/2024	NONVOLATILE BETA	0.739	1.93		4.5	pCi/L	50	MCL	NO
PAO001DU	UAZ	1/29/2024	NONVOLATILE BETA	0.524	1.44		4.37	pCi/L	50	MCL	NO
PAO001DU	UAZ	1/29/2024	POTASSIUM	50	250		916	ug/L	20000	RSL	NO
PAO001DU	UAZ	1/29/2024	POTASSIUM	50	250		833	ug/L	20000	RSL	NO
PAO001DU	UAZ	1/29/2024	SELENIUM	6	30	U	30	ug/L	50	MCL	NO
PAO001DU	UAZ	1/29/2024	SELENIUM	6	30	J	13	ug/L	50	MCL	NO
PAO001DU	UAZ	1/29/2024	SILVER	1	5	U	5	ug/L	94	RSL	NO
PAO001DU	UAZ	1/29/2024	SILVER	1	5	U	5	ug/L	94	RSL	NO
PAO001DU	UAZ	1/29/2024	SODIUM	100	300		77400	ug/L	1000	MCL	YES
PAO001DU	UAZ	1/29/2024	SODIUM	100	300		70900	ug/L	1000	MCL	YES
PAO001DU	UAZ	1/29/2024	SULFATE	2.66	8		218	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	SULFATE	2.66	8	J	217	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	SULFATE	2.66	8		205	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-5 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PAO001DU	UAZ	1/29/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PAO001DU	UAZ	1/29/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PAO001DU	UAZ	1/29/2024	THALLIUM	5	20	U	20	ug/L	2	MCL	NO
PAO001DU	UAZ	1/29/2024	THALLIUM	5	20	U	20	ug/L	2	MCL	NO
PAO001DU	UAZ	1/29/2024	TOTAL INORGANIC CARBON	0.33	1		16.4	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	TOTAL INORGANIC CARBON	0.33	1		15.8	mg/L	-	-	NO
PAO001DU	UAZ	1/29/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/l	-	-	NO
PAO001DU	UAZ	1/29/2024	TOTAL ORGANIC CARBON	0.33	1	J	0.641	mg/l	-	-	NO
PAO001DU	UAZ	1/29/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	J	0.043	mg/l	400	RSL	NO
PAO001DU	UAZ	1/29/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	J	0.037	mg/L	400	RSL	NO
PAO001DU	UAZ	1/29/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PAO001DU	UAZ	1/29/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PAO001DU	UAZ	1/29/2024	TRICHLOROETHYLENE (TCE)	0.333	1		1.07	ug/l	5	MCL	NO
PAO001DU	UAZ	1/29/2024	TRICHLOROETHYLENE (TCE)	0.333	1	J	0.99	ug/L	5	MCL	NO
PAO001DU	UAZ	1/29/2024	TRITIUM	0.729	2.42		6.89	pCi/ml	20	MCL	NO
PAO001DU	UAZ	1/29/2024	TRITIUM	0.716	2.31		6.09	pCi/ml	20	MCL	NO
PAO001DU	UAZ	1/29/2024	URANIUM	0.067	0.2		7.89	ug/l	30	MCL	NO
PAO001DU	UAZ	1/29/2024	URANIUM	0.067	0.2		7.54	ug/L	30	MCL	NO
PAO001DU	UAZ	1/29/2024	VANADIUM	1	5	U	5	ug/L	86	RSL	NO
PAO001DU	UAZ	1/29/2024	VANADIUM	1	5	U	5	ug/L	86	RSL	NO
PAO001DU	UAZ	1/29/2024	ZINC	3.3	20	J	4.87	ug/L	6000	RSL	NO
PAO001DU	UAZ	1/29/2024	ZINC	3.3	20	J	4.06	ug/L	6000	RSL	NO
PAO002DL	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PAO002DL	UAZ	1/30/2024	ALUMINUM	68	200	U	200	ug/l	20000	RSL	NO
PAO002DL	UAZ	1/30/2024	ANTIMONY	3.5	20	U	20	ug/l	6	MCL	NO
PAO002DL	UAZ	1/30/2024	ARSENIC	5	30	U	30	ug/L	10	MCL	NO
PAO002DL	UAZ	1/30/2024	BARIIUM	1	5		8.89	ug/L	2000	MCL	NO
PAO002DL	UAZ	1/30/2024	BERYLLIUM	1	5	U	5	ug/l	4	MCL	NO
PAO002DL	UAZ	1/30/2024	CADMIUM	1	5	U	5	ug/L	5	MCL	NO
PAO002DL	UAZ	1/30/2024	CALCIUM	50	200		1520	ug/L	-	-	NO
PAO002DL	UAZ	1/30/2024	CHLORIDE	0.067	0.2		2.39	mg/l	-	-	NO
PAO002DL	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PAO002DL	UAZ	1/30/2024	CHROMIUM	1	10	J	2.23	ug/l	100	MCL	NO
PAO002DL	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PAO002DL	UAZ	1/30/2024	COBALT	1	5	U	5	ug/l	6	RSL	NO
PAO002DL	UAZ	1/30/2024	COPPER	3	20	J	3.1	ug/L	1300	MCL	NO
PAO002DL	UAZ	1/30/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PAO002DL	UAZ	1/30/2024	ETHANE	0.9	5	J	2.9	ug/l	-	-	NO
PAO002DL	UAZ	1/30/2024	ETHYLENE	0.79	5	J	2.2	ug/l	-	-	NO
PAO002DL	UAZ	1/30/2024	FERRIC IRON	0.1	0.1	U	0.1	mg/l	14	RSL	NO
PAO002DL	UAZ	1/30/2024	FERROUS IRON	0.05	0.05	U	0.05	mg/L	14	RSL	NO
PAO002DL	UAZ	1/30/2024	GROSS ALPHA	0.549	1.51	J	1.03	pCi/l	15	MCL	NO
PAO002DL	UAZ	1/30/2024	IRON	30	100	U	100	ug/L	14000	RSL	NO
PAO002DL	UAZ	1/30/2024	LEAD	3.3	20	J	3.87	ug/L	10	MCL	NO
PAO002DL	UAZ	1/30/2024	MAGNESIUM	110	300		660	ug/l	-	-	NO
PAO002DL	UAZ	1/30/2024	MANGANESE	2	10	J	4.2	ug/L	430	RSL	NO
PAO002DL	UAZ	1/30/2024	MERCURY	0.067	0.2	U	0.2	ug/l	2	MCL	NO
PAO002DL	UAZ	1/30/2024	NICKEL	1.5	5	U	5	ug/l	390	RSL	NO
PAO002DL	UAZ	1/30/2024	NITRATE	0.033	0.1		1.72	mg/l	10	MCL	NO
PAO002DL	UAZ	1/30/2024	NONVOLATILE BETA	0.98	2.25	J	1.23	pCi/l	50	MCL	NO
PAO002DL	UAZ	1/30/2024	POTASSIUM	50	250		327	ug/L	20000	RSL	NO
PAO002DL	UAZ	1/30/2024	SELENIUM	6	30	U	30	ug/l	50	MCL	NO
PAO002DL	UAZ	1/30/2024	SILVER	1	5	U	5	ug/L	94	RSL	NO
PAO002DL	UAZ	1/30/2024	SODIUM	100	300		3580	ug/l	1000	MCL	YES
PAO002DL	UAZ	1/30/2024	SULFATE	0.133	0.4		0.506	mg/l	-	-	NO
PAO002DL	UAZ	1/30/2024	SULFIDE	0.033	0.1	U	0.1	mg/l	-	-	NO
PAO002DL	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		1.14	ug/L	5	MCL	NO
PAO002DL	UAZ	1/30/2024	THALLIUM	5	20	U	20	ug/L	2	MCL	NO
PAO002DL	UAZ	1/30/2024	TOTAL INORGANIC CARBON	0.33	1		16.6	mg/L	-	-	NO
PAO002DL	UAZ	1/30/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PAO002DL	UAZ	1/30/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/l	400	RSL	NO
PAO002DL	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PAO002DL	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.666	2		103	ug/l	5	MCL	YES
PAO002DL	UAZ	1/30/2024	TRITIUM	0.723	2.74		10.8	pCi/ml	20	MCL	NO
PAO002DL	UAZ	1/30/2024	URANIUM	0.067	0.2	U	0.2	ug/L	30	MCL	NO
PAO002DL	UAZ	1/30/2024	VANADIUM	1	5	U	5	ug/L	86	RSL	NO
PAO002DL	UAZ	1/30/2024	ZINC	3.3	20	J	4.08	ug/L	6000	RSL	NO
PAO002DU	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-6 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PAO002DU	UAZ	1/30/2024	ALUMINUM	68	200	J	129	ug/l	20000	RSL	NO
PAO002DU	UAZ	1/30/2024	ANTIMONY	3.5	20	U	20	ug/L	6	MCL	NO
PAO002DU	UAZ	1/30/2024	ARSENIC	5	30	U	30	ug/L	10	MCL	NO
PAO002DU	UAZ	1/30/2024	BARIUM	1	5		26.3	ug/L	2000	MCL	NO
PAO002DU	UAZ	1/30/2024	BERYLLIUM	1	5	U	5	ug/L	4	MCL	NO
PAO002DU	UAZ	1/30/2024	CADMIUM	1	5	U	5	ug/L	5	MCL	NO
PAO002DU	UAZ	1/30/2024	CALCIUM	50	200		12600	ug/l	-	-	NO
PAO002DU	UAZ	1/30/2024	CHLORIDE	0.067	0.2		2.24	mg/l	-	-	NO
PAO002DU	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PAO002DU	UAZ	1/30/2024	CHROMIUM	1	10	J	3.86	ug/L	100	MCL	NO
PAO002DU	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PAO002DU	UAZ	1/30/2024	COBALT	1	5	U	5	ug/L	6	RSL	NO
PAO002DU	UAZ	1/30/2024	COPPER	3	20	U	20	ug/L	1300	MCL	NO
PAO002DU	UAZ	1/30/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PAO002DU	UAZ	1/30/2024	ETHANE	0.9	5	J	2.4	ug/l	-	-	NO
PAO002DU	UAZ	1/30/2024	ETHYLENE	0.79	5	J	1.7	ug/l	-	-	NO
PAO002DU	UAZ	1/30/2024	FERRIC IRON	0.1	0.1	J	0.15	mg/l	14	RSL	NO
PAO002DU	UAZ	1/30/2024	FERROUS IRON	0.05	0.05	UJ	0.05	mg/l	14	RSL	NO
PAO002DU	UAZ	1/30/2024	GROSS ALPHA	0.787	3.17		3.95	pCi/L	15	MCL	NO
PAO002DU	UAZ	1/30/2024	IRON	30	100		191	ug/L	14000	RSL	NO
PAO002DU	UAZ	1/30/2024	LEAD	3.3	20	U	20	ug/L	10	MCL	NO
PAO002DU	UAZ	1/30/2024	MAGNESIUM	110	300		1200	ug/L	-	-	NO
PAO002DU	UAZ	1/30/2024	MANGANESE	2	10		14.2	ug/l	430	RSL	NO
PAO002DU	UAZ	1/30/2024	MERCURY	0.067	0.2	U	0.2	ug/l	2	MCL	NO
PAO002DU	UAZ	1/30/2024	NICKEL	1.5	5	J	1.81	ug/l	390	RSL	NO
PAO002DU	UAZ	1/30/2024	NITRATE	0.033	0.1		2.26	mg/L	10	MCL	NO
PAO002DU	UAZ	1/30/2024	NONVOLATILE BETA	0.986	2.72		2.83	pCi/L	50	MCL	NO
PAO002DU	UAZ	1/30/2024	POTASSIUM	50	250		1030	ug/L	20000	RSL	NO
PAO002DU	UAZ	1/30/2024	SELENIUM	6	30	U	30	ug/L	50	MCL	NO
PAO002DU	UAZ	1/30/2024	SILVER	1	5	U	5	ug/L	94	RSL	NO
PAO002DU	UAZ	1/30/2024	SODIUM	100	300		2500	ug/L	1000	MCL	YES
PAO002DU	UAZ	1/30/2024	SULFATE	0.133	0.4		0.809	mg/l	-	-	NO
PAO002DU	UAZ	1/30/2024	SULFIDE	0.033	0.1	U	0.1	mg/l	-	-	NO
PAO002DU	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PAO002DU	UAZ	1/30/2024	THALLIUM	5	20	U	20	ug/L	2	MCL	NO
PAO002DU	UAZ	1/30/2024	TOTAL INORGANIC CARBON	0.33	1		19.2	mg/L	-	-	NO
PAO002DU	UAZ	1/30/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PAO002DU	UAZ	1/30/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/L	400	RSL	NO
PAO002DU	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PAO002DU	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.333	1		10.7	ug/L	5	MCL	YES
PAO002DU	UAZ	1/30/2024	TRITIUM	0.727	1.6	U	0.397	pCi/mL	20	MCL	NO
PAO002DU	UAZ	1/30/2024	URANIUM	0.067	0.2	J	0.11	ug/L	30	MCL	NO
PAO002DU	UAZ	1/30/2024	VANADIUM	1	5	J	1.26	ug/L	86	RSL	NO
PAO002DU	UAZ	1/30/2024	ZINC	3.3	20	J	5.15	ug/L	6000	RSL	NO
PAO003DU	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PAO003DU	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PAO003DU	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PAO003DU	UAZ	1/30/2024	ETHANE	0.9	5	J	2	ug/l	-	-	NO
PAO003DU	UAZ	1/30/2024	ETHYLENE	0.79	5	J	1.8	ug/l	-	-	NO
PAO003DU	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	1.33	4		207	ug/L	5	MCL	YES
PAO003DU	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PAO003DU	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	1.33	4	J	2.32	ug/L	5	MCL	NO
PAO003DU	UAZ	1/30/2024	TRITIUM	0.732	1.64	U	0.57	pCi/mL	20	MCL	NO
PDB 2	UAZ	1/29/2024	TRITIUM	0.98	19.3		467	pCi/mL	20	MCL	YES
PDB 3	UAZ	2/1/2024	TRITIUM	0.722	1.59	U	0.439	pCi/mL	20	MCL	NO
PDB 4	UAZ	2/1/2024	TRITIUM	0.722	7.08		124	pCi/mL	20	MCL	YES
PDB 5	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PDB 5	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PDB 5	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PDB 5	UAZ	2/1/2024	ETHANE	0.9	5	J	3.2	ug/L	-	-	NO
PDB 5	UAZ	2/1/2024	ETHYLENE	0.79	5	J	2.2	ug/l	-	-	NO
PDB 5	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PDB 5	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PDB 5	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PDB 5	UAZ	2/1/2024	TRITIUM	0.723	1.6	U	0.48	pCi/mL	20	MCL	NO
PDB003C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PDB003C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PDB003C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-7 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PDB003C	LAZ	2/1/2024	ETHANE	0.9	5	J	3	ug/L	-	-	NO
PDB003C	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.3	ug/L	-	-	NO
PDB003C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PDB003C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PDB003C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PDB003C	LAZ	2/1/2024	TRITIUM	0.722	5.7		75.1	pCi/mL	20	MCL	YES
PGW014 B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW014 B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW014 B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW014 B	LAZ	2/1/2024	ETHANE	0.9	5	J	3	ug/L	-	-	NO
PGW014 B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.2	ug/L	-	-	NO
PGW014 B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW014 B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW014 B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW014 B	LAZ	2/1/2024	TRITIUM	0.722	1.58	U	0.376	pCi/mL	20	MCL	NO
PGW014 C	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW014 C	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW014 C	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	12.5	ug/L	70	MCL	NO
PGW014 C	LAZ	1/30/2024	ETHANE	0.9	5	J	4	ug/L	-	-	NO
PGW014 C	LAZ	1/30/2024	ETHYLENE	0.79	5	J	2.4	ug/L	-	-	NO
PGW014 C	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW014 C	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	J	0.42	ug/L	100	MCL	NO
PGW014 C	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	3.33	10		511	ug/L	5	MCL	YES
PGW014 C	LAZ	1/30/2024	TRITIUM	0.722	1.59	U	0.417	pCi/mL	20	MCL	NO
PGW014DU	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.188	1	U	1	ug/L	7	MCL	NO
PGW014DU	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW014DU	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.234	1	U	1	ug/L	2	MCL	NO
PGW014DU	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW014DU	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.126	1		14.1	ug/L	70	MCL	NO
PGW014DU	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		9.05	ug/L	70	MCL	NO
PGW014DU	UAZ	1/29/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PGW014DU	UAZ	1/30/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PGW014DU	UAZ	1/30/2024	ETHANE	0.9	5	J	3.2	ug/L	-	-	NO
PGW014DU	UAZ	1/29/2024	ETHYLENE	10	25	U	25	ug/L	-	-	NO
PGW014DU	UAZ	1/30/2024	ETHYLENE	10	25	U	25	ug/L	-	-	NO
PGW014DU	UAZ	1/30/2024	ETHYLENE	0.79	5	J	2.1	ug/L	-	-	NO
PGW014DU	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW014DU	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.3	1.2	J	0.483	ug/L	5	MCL	NO
PGW014DU	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW014DU	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.149	1	J	0.558	ug/L	100	MCL	NO
PGW014DU	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	1.9	10		213	ug/L	5	MCL	YES
PGW014DU	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	1.33	4		207	ug/L	5	MCL	YES
PGW014DU	UAZ	1/30/2024	TRITIUM	0.722	2.82		11.9	pCi/mL	20	MCL	NO
PGW014DU	UAZ	1/29/2024	TRITIUM	0.747	2.053		9.18	pCi/mL	20	MCL	NO
PGW014DU	UAZ	1/30/2024	TRITIUM	0.745	2.017		8.4	pCi/mL	20	MCL	NO
PGW016 B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW016 B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW016 B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW016 B	LAZ	2/1/2024	ETHANE	0.9	5	J	3.4	ug/L	-	-	NO
PGW016 B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.2	ug/L	-	-	NO
PGW016 B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW016 B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW016 B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW016 B	LAZ	2/1/2024	TRITIUM	0.718	1.52	U	0.125	pCi/mL	20	MCL	NO
PGW016 C	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW016 C	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW016 C	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW016 C	UAZ	2/1/2024	ETHANE	0.9	5	J	3.2	ug/L	-	-	NO
PGW016 C	UAZ	2/1/2024	ETHYLENE	0.79	5	J	2.1	ug/L	-	-	NO
PGW016 C	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW016 C	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW016 C	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW016 C	UAZ	2/1/2024	TRITIUM	0.719	1.91		2.52	pCi/mL	20	MCL	NO
PGW016DU	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW016DU	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW016DU	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW016DU	UAZ	2/1/2024	ETHANE	0.9	5	J	3.4	ug/L	-	-	NO
PGW016DU	UAZ	2/1/2024	ETHYLENE	0.79	5	J	2.3	ug/L	-	-	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-8 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PGW016DU	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW016DU	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW016DU	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW016DU	UAZ	2/1/2024	TRITIUM	0.789	3.61		36.7	pCi/mL	20	MCL	YES
PGW016DU	UAZ	1/29/2024	TRITIUM	0.783	3.54		35.3	pCi/mL	20	MCL	YES
PGW017 B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW017 B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW017 B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW017 B	LAZ	2/1/2024	ETHANE	0.9	5	J	3.3	ug/L	-	-	NO
PGW017 B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.1	ug/L	-	-	NO
PGW017 B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW017 B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW017 B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW017 B	LAZ	2/1/2024	TRITIUM	0.781	1.66	U	0.0417	pCi/mL	20	MCL	NO
PGW017 C	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW017 C	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW017 C	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW017 C	UAZ	1/31/2024	ETHANE	0.9	5	J	3	ug/L	-	-	NO
PGW017 C	UAZ	1/31/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW017 C	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW017 C	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW017 C	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW017 C	UAZ	1/31/2024	TRITIUM	0.785	1.76	J	0.787	pCi/mL	20	MCL	NO
PGW017DU	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW017DU	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW017DU	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW017DU	UAZ	1/31/2024	ETHANE	0.9	5	J	2.8	ug/L	-	-	NO
PGW017DU	UAZ	1/31/2024	ETHYLENE	0.79	5	J	2.3	ug/L	-	-	NO
PGW017DU	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW017DU	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW017DU	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW017DU	UAZ	1/31/2024	TRITIUM	0.792	1.71	U	0.218	pCi/mL	20	MCL	NO
PGW018 B	LAZ	1/31/2024	GROSS ALPHA	0.884	2.22	J	1.39	pCi/l	15	MCL	NO
PGW018 B	LAZ	1/31/2024	NONVOLATILE BETA	0.982	2.29	J	1.44	pCi/l	50	MCL	NO
PGW018 B	LAZ	1/31/2024	TRITIUM	0.776	2.21		6.66	pCi/mL	20	MCL	NO
PGW018 C	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW018 C	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW018 C	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW018 C	UAZ	1/31/2024	ETHANE	0.9	5	J	2.5	ug/L	-	-	NO
PGW018 C	UAZ	1/31/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW018 C	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW018 C	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW018 C	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	J	0.62	ug/L	5	MCL	NO
PGW018 C	UAZ	1/31/2024	TRITIUM	0.779	3.98		49.3	pCi/mL	20	MCL	YES
PGW018DU	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW018DU	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW018DU	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW018DU	UAZ	1/31/2024	ETHANE	0.9	5	J	2.4	ug/L	-	-	NO
PGW018DU	UAZ	1/31/2024	ETHYLENE	0.79	5	J	1.6	ug/L	-	-	NO
PGW018DU	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW018DU	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW018DU	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW018DU	UAZ	1/31/2024	TRITIUM	0.789	1.74	U	0.472	pCi/mL	20	MCL	NO
PGW019 B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW019 B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW019 B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW019 B	LAZ	2/1/2024	ETHANE	0.9	5	J	2.6	ug/L	-	-	NO
PGW019 B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.2	ug/L	-	-	NO
PGW019 B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW019 B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW019 B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW019 B	LAZ	2/1/2024	TRITIUM	0.785	1.73	U	0.471	pCi/mL	20	MCL	NO
PGW019 C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW019 C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW019 C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW019 C	LAZ	2/1/2024	ETHANE	0.9	5	J	2.9	ug/L	-	-	NO
PGW019 C	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.5	ug/L	-	-	NO
PGW019 C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PGW019 C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW019 C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW019 C	LAZ	2/1/2024	TRITIUM	0.78	1.78	J	1.18	pCi/mL	20	MCL	NO
PGW019DU	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW019DU	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW019DU	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW019DU	UAZ	2/1/2024	ETHANE	0.9	5	J	3.2	ug/L	-	-	NO
PGW019DU	UAZ	2/1/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW019DU	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.78	ug/L	5	MCL	NO
PGW019DU	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW019DU	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW019DU	UAZ	2/1/2024	TRITIUM	0.786	1.73	U	0.486	pCi/mL	20	MCL	NO
PGW021 B	LAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW021 B	LAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW021 B	LAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW021 B	LAZ	1/31/2024	ETHANE	0.9	5	J	3.4	ug/L	-	-	NO
PGW021 B	LAZ	1/31/2024	ETHYLENE	0.79	5	J	1.9	ug/L	-	-	NO
PGW021 B	LAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.54	ug/L	5	MCL	NO
PGW021 B	LAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW021 B	LAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW021 B	LAZ	1/31/2024	TRITIUM	0.781	1.76	J	0.855	pCi/mL	20	MCL	NO
PGW021 C	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW021 C	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW021 C	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1.5	ug/L	70	MCL	NO
PGW021 C	UAZ	1/31/2024	ETHANE	0.9	5	J	3.7	ug/L	-	-	NO
PGW021 C	UAZ	1/31/2024	ETHYLENE	0.79	5	J	2.1	ug/L	-	-	NO
PGW021 C	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW021 C	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW021 C	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1.84	ug/L	5	MCL	NO
PGW021 C	UAZ	1/31/2024	TRITIUM	0.784	2.19	U	6.17	pCi/mL	20	MCL	NO
PGW021DU	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW021DU	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW021DU	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW021DU	UAZ	1/31/2024	ETHANE	0.9	5	J	3.4	ug/L	-	-	NO
PGW021DU	UAZ	1/31/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW021DU	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW021DU	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW021DU	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW021DU	UAZ	1/31/2024	TRITIUM	0.779	1.83	J	1.62	pCi/mL	20	MCL	NO
PGW022 B	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW022 B	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW022 B	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW022 B	LAZ	1/30/2024	ETHANE	0.9	5	J	3.4	ug/L	-	-	NO
PGW022 B	LAZ	1/30/2024	ETHYLENE	0.79	5	J	2.4	ug/L	-	-	NO
PGW022 B	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW022 B	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW022 B	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW022 B	LAZ	1/30/2024	TRITIUM	0.73	1.54	U	0.0857	pCi/mL	20	MCL	NO
PGW022 B	LAZ	1/30/2024	TRITIUM	0.722	1.52	U	0.0637	pCi/mL	20	MCL	NO
PGW022 C	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW022 C	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW022 C	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	J	0.58	ug/L	70	MCL	NO
PGW022 C	LAZ	1/30/2024	ETHANE	0.9	5	J	3.2	ug/L	-	-	NO
PGW022 C	LAZ	1/30/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW022 C	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	3.28	ug/L	5	MCL	NO
PGW022 C	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW022 C	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	2.82	ug/L	5	MCL	NO
PGW022 C	LAZ	1/30/2024	TRITIUM	0.732	1.85	J	1.9	pCi/mL	20	MCL	NO
PGW022DU	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW022DU	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW022DU	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW022DU	UAZ	1/30/2024	ETHANE	0.9	5	J	3.8	ug/L	-	-	NO
PGW022DU	UAZ	1/30/2024	ETHYLENE	0.79	5	J	1.9	ug/L	-	-	NO
PGW022DU	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	2.58	ug/L	5	MCL	NO
PGW022DU	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW022DU	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1.92	ug/L	5	MCL	NO
PGW022DU	UAZ	1/30/2024	TRITIUM	0.736	1.83	J	1.65	pCi/mL	20	MCL	NO
PGW024 B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-10 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PGW024 B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW024 B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PGW024 B	LAZ	2/1/2024	ETHANE	0.9	5	J	2.8	ug/l	-	-	NO
PGW024 B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.9	ug/l	-	-	NO
PGW024 B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW024 B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW024 B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	2.33	ug/l	5	MCL	NO
PGW024 B	LAZ	2/1/2024	TRITIUM	0.738	4.68		44.9	pCi/mL	20	MCL	YES
PGW024 C	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW024 C	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW024 C	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PGW024 C	UAZ	2/1/2024	ETHANE	0.9	5	J	3.1	ug/l	-	-	NO
PGW024 C	UAZ	2/1/2024	ETHYLENE	0.79	5	J	1.9	ug/l	-	-	NO
PGW024 C	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.71	ug/l	5	MCL	NO
PGW024 C	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW024 C	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1.1	ug/l	5	MCL	NO
PGW024 C	UAZ	2/1/2024	TRITIUM	0.764	2.98		12.5	pCi/mL	20	MCL	NO
PGW024DU	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW024DU	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW024DU	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PGW024DU	UAZ	2/1/2024	ETHANE	0.9	5	J	3.5	ug/l	-	-	NO
PGW024DU	UAZ	2/1/2024	ETHYLENE	0.79	5	J	2	ug/l	-	-	NO
PGW024DU	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.54	ug/l	5	MCL	NO
PGW024DU	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW024DU	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW024DU	UAZ	2/1/2024	TRITIUM	0.741	1.82	J	1.53	pCi/mL	20	MCL	NO
PGW025 B	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	J	0.34	ug/l	7	MCL	NO
PGW025 B	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW025 B	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		70.2	ug/l	70	MCL	YES
PGW025 B	LAZ	1/30/2024	ETHANE	0.9	5	J	5.9	ug/l	-	-	NO
PGW025 B	LAZ	1/30/2024	ETHYLENE	0.79	5	J	2.9	ug/l	-	-	NO
PGW025 B	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	3.39	ug/l	5	MCL	NO
PGW025 B	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	2.22	ug/l	100	MCL	NO
PGW025 B	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	16.7	50		4180	ug/l	5	MCL	YES
PGW025 B	LAZ	1/30/2024	TRITIUM	0.739	4.72		45.9	pCi/mL	20	MCL	YES
PGW025 C	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW025 C	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW025 C	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PGW025 C	UAZ	1/30/2024	ETHANE	0.9	5	J	3.8	ug/l	-	-	NO
PGW025 C	UAZ	1/30/2024	ETHYLENE	0.79	5	J	2	ug/l	-	-	NO
PGW025 C	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		32.4	ug/l	5	MCL	YES
PGW025 C	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW025 C	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.333	1		5.11	ug/l	5	MCL	YES
PGW025 C	UAZ	1/30/2024	TRITIUM	0.736	1.92		2.32	pCi/mL	20	MCL	NO
PGW025DU	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW025DU	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW025DU	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PGW025DU	UAZ	2/1/2024	ETHANE	0.9	5	J	3.6	ug/l	-	-	NO
PGW025DU	UAZ	2/1/2024	ETHYLENE	0.79	5	J	1.9	ug/l	-	-	NO
PGW025DU	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.93	ug/l	5	MCL	NO
PGW025DU	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW025DU	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW025DU	UAZ	2/1/2024	TRITIUM	0.735	1.57	U	0.192	pCi/mL	20	MCL	NO
PGW026B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW026B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW026B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	24.9	ug/l	70	MCL	NO
PGW026B	LAZ	2/1/2024	ETHANE	0.9	5	J	3.1	ug/l	-	-	NO
PGW026B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.6	ug/l	-	-	NO
PGW026B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.74	ug/l	5	MCL	NO
PGW026B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	J	0.8	ug/l	100	MCL	NO
PGW026B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	6.66	20		943	ug/l	5	MCL	YES
PGW026B	LAZ	2/1/2024	TRITIUM	0.743	2.15		3.97	pCi/mL	20	MCL	NO
PGW026C	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	J	0.46	ug/l	7	MCL	NO
PGW026C	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW026C	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	33.3	100		122	ug/l	70	MCL	YES
PGW026C	LAZ	1/30/2024	ETHANE	0.9	5	J	6.9	ug/l	-	-	NO
PGW026C	LAZ	1/30/2024	ETHYLENE	0.79	5	J	3.6	ug/l	-	-	NO
PGW026C	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		8.66	ug/l	5	MCL	YES

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-11 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PGW026C	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		2.91	ug/L	100	MCL	NO
PGW026C	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	33.3	100		5980	ug/L	5	MCL	YES
PGW026C	LAZ	1/30/2024	TRITIUM	0.739	4.28		36.1	pCi/mL	20	MCL	YES
PGW026DL	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	J	0.53	ug/L	7	MCL	NO
PGW026DL	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	J	0.51	ug/L	7	MCL	NO
PGW026DL	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW026DL	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW026DL	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	16.7	50		165	ug/L	70	MCL	YES
PGW026DL	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	33.3	100		154	ug/L	70	MCL	YES
PGW026DL	UAZ	1/30/2024	ETHANE	0.9	5	J	7.3	ug/L	-	-	NO
PGW026DL	UAZ	1/30/2024	ETHANE	0.9	5	J	6.7	ug/L	-	-	NO
PGW026DL	UAZ	1/30/2024	ETHYLENE	0.79	5	J	3.4	ug/L	-	-	NO
PGW026DL	UAZ	1/30/2024	ETHYLENE	0.79	5	J	3.3	ug/L	-	-	NO
PGW026DL	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		13.4	ug/L	5	MCL	YES
PGW026DL	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		12.9	ug/L	5	MCL	YES
PGW026DL	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		5.39	ug/L	100	MCL	NO
PGW026DL	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		5.19	ug/L	100	MCL	NO
PGW026DL	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	16.7	50		4830	ug/L	5	MCL	YES
PGW026DL	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	33.3	100		4390	ug/L	5	MCL	YES
PGW026DL	UAZ	1/30/2024	TRITIUM	0.723	5.06		56.1	pCi/mL	20	MCL	YES
PGW026DL	UAZ	1/30/2024	TRITIUM	0.73	5.09		56	pCi/mL	20	MCL	YES
PGW027C	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW027C	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW027C	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	0.666	2	J	9.36	ug/L	70	MCL	NO
PGW027C	LAZ	1/30/2024	ETHANE	0.9	5	J	4.3	ug/L	-	-	NO
PGW027C	LAZ	1/30/2024	ETHYLENE	0.79	5	J	2.2	ug/L	-	-	NO
PGW027C	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW027C	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	J	0.39	ug/L	100	MCL	NO
PGW027C	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	0.666	2	J	127	ug/L	5	MCL	YES
PGW027C	LAZ	1/30/2024	TRITIUM	0.637	9.46		242	pCi/mL	20	MCL	YES
PGW027C	LAZ	1/30/2024	TRITIUM	0.631	9.41		242	pCi/mL	20	MCL	YES
PGW027DL	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW027DL	LAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW027DL	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW027DL	LAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW027DL	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	16.7	50		69	ug/L	70	MCL	NO
PGW027DL	LAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	16.7	50		67.5	ug/L	70	MCL	NO
PGW027DL	LAZ	1/30/2024	ETHANE	0.9	5	J	5.5	ug/L	-	-	NO
PGW027DL	LAZ	1/30/2024	ETHANE	0.9	5	J	5.4	ug/L	-	-	NO
PGW027DL	LAZ	1/30/2024	ETHYLENE	0.79	5	J	2.5	ug/L	-	-	NO
PGW027DL	LAZ	1/30/2024	ETHYLENE	0.79	5	J	2.3	ug/L	-	-	NO
PGW027DL	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		6.75	ug/L	5	MCL	YES
PGW027DL	LAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		6.49	ug/L	5	MCL	YES
PGW027DL	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		2.58	ug/L	100	MCL	NO
PGW027DL	LAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		2.4	ug/L	100	MCL	NO
PGW027DL	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	16.7	50		1520	ug/L	5	MCL	YES
PGW027DL	LAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	16.7	50		1480	ug/L	5	MCL	YES
PGW027DL	LAZ	1/30/2024	TRITIUM	0.635	10.9		328	pCi/mL	20	MCL	YES
PGW027DL	LAZ	1/30/2024	TRITIUM	0.638	10.9		326	pCi/mL	20	MCL	YES
PGW027DU	UAZ	1/30/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW027DU	UAZ	1/30/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW027DU	UAZ	1/30/2024	CIS-1,2-DICHLOROETHYLENE	1.67	5		10.5	ug/L	70	MCL	NO
PGW027DU	UAZ	1/30/2024	ETHANE	0.9	5	J	3.9	ug/L	-	-	NO
PGW027DU	UAZ	1/30/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW027DU	UAZ	1/30/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		1.02	ug/L	5	MCL	NO
PGW027DU	UAZ	1/30/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	J	0.44	ug/L	100	MCL	NO
PGW027DU	UAZ	1/30/2024	TRICHLOROETHYLENE (TCE)	1.67	5		191	ug/L	5	MCL	YES
PGW027DU	UAZ	1/30/2024	TRITIUM	0.64	7.9		163	pCi/mL	20	MCL	YES
PGW028C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW028C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW028C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW028C	LAZ	2/1/2024	ETHANE	0.9	5	J	3.3	ug/L	-	-	NO
PGW028C	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.7	ug/L	-	-	NO
PGW028C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW028C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW028C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW028C	LAZ	2/1/2024	TRITIUM	0.786	2.33		8.25	pCi/mL	20	MCL	NO
PGW028DU	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-12 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PGW028DU	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW028DU	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW028DU	UAZ	2/1/2024	ETHANE	0.9	5	J	4	ug/L	-	-	NO
PGW028DU	UAZ	2/1/2024	ETHYLENE	0.79	5	J	2.1	ug/L	-	-	NO
PGW028DU	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW028DU	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW028DU	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW028DU	UAZ	2/1/2024	TRITIUM	0.779	8.56		310	pCi/mL	20	MCL	YES
PGW029C	LAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW029C	LAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW029C	LAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW029C	LAZ	1/31/2024	ETHANE	0.9	5	J	3.4	ug/L	-	-	NO
PGW029C	LAZ	1/31/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW029C	LAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.93	ug/l	5	MCL	NO
PGW029C	LAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW029C	LAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1		15.8	ug/L	5	MCL	YES
PGW029C	LAZ	1/31/2024	TRITIUM	0.776	1.64	U	-0.174	pCi/mL	20	MCL	NO
PGW029DL	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW029DL	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW029DL	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW029DL	UAZ	1/31/2024	ETHANE	0.9	5	J	3.6	ug/l	-	-	NO
PGW029DL	UAZ	1/31/2024	ETHYLENE	0.79	5	J	1.9	ug/L	-	-	NO
PGW029DL	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCF)	0.333	1		4.6	ug/l	5	MCL	NO
PGW029DL	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW029DL	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW029DL	UAZ	1/31/2024	TRITIUM	0.774	1.67	U	0.197	pCi/mL	20	MCL	NO
PGW030B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW030B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW030B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	16.7	50	J	49	ug/L	70	MCL	NO
PGW030B	LAZ	2/1/2024	ETHANE	0.9	5	J	6.8	ug/L	-	-	NO
PGW030B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.7	ug/l	-	-	NO
PGW030B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	3.06	ug/L	5	MCL	NO
PGW030B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	J	1.84	ug/l	100	MCL	NO
PGW030B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	16.7	50		3670	ug/L	5	MCL	YES
PGW030B	LAZ	2/1/2024	TRITIUM	0.64	2		4.25	pCi/mL	20	MCL	NO
PGW030BL	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW030BL	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW030BL	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW030BL	LAZ	2/1/2024	ETHANE	0.9	5	J	2.8	ug/L	-	-	NO
PGW030BL	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.3	ug/l	-	-	NO
PGW030BL	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW030BL	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PGW030BL	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW030BL	LAZ	2/1/2024	TRITIUM	0.635	1.26	U	-0.232	pCi/mL	20	MCL	NO
PGW031B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW031B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW031B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	J	0.52	ug/l	70	MCL	NO
PGW031B	LAZ	2/1/2024	ETHANE	0.9	5	J	4.3	ug/l	-	-	NO
PGW031B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.9	ug/l	-	-	NO
PGW031B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	J	0.51	ug/L	5	MCL	NO
PGW031B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW031B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1		34.7	ug/L	5	MCL	YES
PGW031B	LAZ	2/1/2024	TRITIUM	0.633	1.64	J	1.74	pCi/mL	20	MCL	NO
PGW031C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW031C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PGW031C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		11.9	ug/l	70	MCL	NO
PGW031C	LAZ	2/1/2024	ETHANE	0.9	5	J	4.4	ug/L	-	-	NO
PGW031C	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.9	ug/L	-	-	NO
PGW031C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		3.69	ug/l	5	MCL	NO
PGW031C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW031C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	6.66	20		660	ug/L	5	MCL	YES
PGW031C	LAZ	2/1/2024	TRITIUM	0.627	2.39		8.41	pCi/mL	20	MCL	NO
PGW033A	GAU	2/1/2024	TRITIUM	0.632	1.37	U	0.266	pCi/mL	20	MCL	NO
PGW033A	GAU	2/1/2024	TRITIUM	0.746	1.604	U	-0.168	pCi/mL	20	MCL	NO
PGW034DL	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.188	1	U	1	ug/L	7	MCL	NO
PGW034DL	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW034DL	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.234	1	U	1	ug/L	2	MCL	NO
PGW034DL	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0
Page B-13 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PGW034DL	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.126	1	U	1	ug/l	70	MCL	NO
PGW034DL	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW034DL	UAZ	1/30/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PGW034DL	UAZ	2/1/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PGW034DL	UAZ	2/1/2024	ETHANE	0.9	5	J	4.2	ug/L	-	-	NO
PGW034DL	UAZ	1/30/2024	ETHYLENE	10	25	U	25	ug/L	-	-	NO
PGW034DL	UAZ	2/1/2024	ETHYLENE	10	25	U	25	ug/l	-	-	NO
PGW034DL	UAZ	2/1/2024	ETHYLENE	0.79	5	J	1.8	ug/l	-	-	NO
PGW034DL	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.3	1.2		51.3	ug/L	5	MCL	YES
PGW034DL	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		38.4	ug/L	5	MCL	YES
PGW034DL	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.149	1	U	1	ug/L	100	MCL	NO
PGW034DL	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW034DL	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PGW034DL	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.19	1	J	0.26	ug/L	5	MCL	NO
PGW034DL	UAZ	2/1/2024	TRITIUM	0.745	1.683	J	1.25	pCi/ml	20	MCL	NO
PGW034DL	UAZ	2/1/2024	TRITIUM	0.632	1.53	J	1.09	pCi/ml	20	MCL	NO
PGW035C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW035C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW035C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		76.8	ug/L	70	MCL	YES
PGW035C	LAZ	2/1/2024	ETHANE	0.9	5	J	7.2	ug/L	-	-	NO
PGW035C	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.8	ug/l	-	-	NO
PGW035C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		13.9	ug/L	5	MCL	YES
PGW035C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		1.75	ug/l	100	MCL	NO
PGW035C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	16.7	50		3970	ug/L	5	MCL	YES
PGW035C	LAZ	2/1/2024	TRITIUM	0.64	6.28		97.5	pCi/mL	20	MCL	YES
PGW035CU	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PGW035CU	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW035CU	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PGW035CU	LAZ	2/1/2024	ETHANE	0.9	5	J	4.5	ug/L	-	-	NO
PGW035CU	LAZ	2/1/2024	ETHYLENE	0.79	5	J	1.8	ug/L	-	-	NO
PGW035CU	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW035CU	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW035CU	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW035CU	LAZ	2/1/2024	TRITIUM	0.639	2.29		7.04	pCi/mL	20	MCL	NO
PGW035D	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PGW035D	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PGW035D	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		2.19	ug/L	70	MCL	NO
PGW035D	UAZ	2/1/2024	ETHANE	0.9	5	J	2.8	ug/L	-	-	NO
PGW035D	UAZ	2/1/2024	ETHYLENE	0.79	5	J	1.4	ug/L	-	-	NO
PGW035D	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PGW035D	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PGW035D	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1		11.1	ug/L	5	MCL	YES
PGW035D	UAZ	2/1/2024	TRITIUM	0.635	2.36		7.9	pCi/mL	20	MCL	NO
PGW-03A	GAU	2/1/2024	TRITIUM	0.721	1.47	U	-0.169	pCi/mL	20	MCL	NO
PMP004DL	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1		1.09	ug/l	7	MCL	NO
PMP004DL	UAZ	1/31/2024	CHLORIDE	0.067	0.2	J	3.71	mg/L	-	-	NO
PMP004DL	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PMP004DL	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	33.3	100		277	ug/L	70	MCL	YES
PMP004DL	UAZ	2/1/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	0.449	mg/L	-	-	NO
PMP004DL	UAZ	2/1/2024	ETHANE	0.9	5	J	5.9	ug/L	-	-	NO
PMP004DL	UAZ	2/1/2024	ETHYLENE	0.79	5	J	6.2	ug/L	-	-	NO
PMP004DL	UAZ	2/1/2024	FERRIC IRON	0.1	0.1	J	0.62	mg/L	14	RSL	NO
PMP004DL	UAZ	2/1/2024	FERROUS IRON	0.05	0.05	J	0.25	mg/L	14	RSL	NO
PMP004DL	UAZ	2/1/2024	IRON	40	100		870	ug/l	14000	RSL	NO
PMP004DL	UAZ	1/31/2024	NITRATE	0.033	0.1	J	1.88	mg/l	10	MCL	NO
PMP004DL	UAZ	2/1/2024	NITRATE	0.033	0.1	J	1.88	mg/L	10	MCL	NO
PMP004DL	UAZ	2/1/2024	SULFATE	0.133	0.4	J	0.283	mg/L	-	-	NO
PMP004DL	UAZ	1/31/2024	SULFATE	0.133	0.4	J	0.276	mg/L	-	-	NO
PMP004DL	UAZ	2/1/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
PMP004DL	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		3.49	ug/L	5	MCL	NO
PMP004DL	UAZ	1/31/2024	TOTAL INORGANIC CARBON	1.65	5	J	19.1	mg/l	-	-	NO
PMP004DL	UAZ	1/31/2024	TOTAL INORGANIC CARBON	1.65	5		19.1	mg/l	-	-	NO
PMP004DL	UAZ	2/1/2024	TOTAL INORGANIC CARBON	1.65	5	J	18.9	mg/L	-	-	NO
PMP004DL	UAZ	1/31/2024	TOTAL ORGANIC CARBON	0.33	1	J	0.409	mg/L	-	-	NO
PMP004DL	UAZ	2/1/2024	TOTAL ORGANIC CARBON	0.33	1	J	0.39	mg/L	-	-	NO
PMP004DL	UAZ	1/31/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	J	0.042	mg/L	400	RSL	NO
PMP004DL	UAZ	2/1/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	J	0.035	mg/L	400	RSL	NO
PMP004DL	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1		1.45	ug/l	100	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-14 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PMP004DL	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	33.3	100		4480	ug/l	5	MCL	YES
PMP004DL	UAZ	1/31/2024	TRITIUM	0.366	5.27		132	pCi/mL	20	MCL	YES
PMP004DL	UAZ	2/1/2024	TRITIUM	0.366	5.17		129	pCi/mL	20	MCL	YES
PMP007DL	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PMP007DL	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	J	0.7	ug/l	2	MCL	NO
PMP007DL	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		6.52	ug/l	70	MCL	NO
PMP007DL	UAZ	2/1/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	0.369	mg/l	-	-	NO
PMP007DL	UAZ	2/1/2024	ETHANE	0.9	5	U	2.8	ug/l	-	-	NO
PMP007DL	UAZ	2/1/2024	ETHYLENE	0.79	5	U	1.8	ug/l	-	-	NO
PMP007DL	UAZ	2/1/2024	FERRIC IRON	0.1	0.1	U	0.1	mg/L	14	RSL	NO
PMP007DL	UAZ	2/1/2024	FERROUS IRON	0.05	0.05	UJ	0.05	mg/l	14	RSL	NO
PMP007DL	UAZ	2/1/2024	IRON	40	100	U	100	ug/l	14000	RSL	NO
PMP007DL	UAZ	2/1/2024	NITRATE	0.033	0.1	J	2.51	mg/l	10	MCL	NO
PMP007DL	UAZ	2/1/2024	SULFATE	0.133	0.4	J	0.33	mg/l	-	-	NO
PMP007DL	UAZ	2/1/2024	SULFIDE	0.033	0.1	U	0.1	mg/l	-	-	NO
PMP007DL	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		1.45	ug/l	5	MCL	NO
PMP007DL	UAZ	2/1/2024	TOTAL INORGANIC CARBON	0.33	1	J	8.81	mg/l	-	-	NO
PMP007DL	UAZ	2/1/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/l	-	-	NO
PMP007DL	UAZ	2/1/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/l	400	RSL	NO
PMP007DL	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PMP007DL	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1		18.2	ug/l	5	MCL	YES
PMP007DL	UAZ	2/1/2024	TRITIUM	0.367	0.923	J	0.868	pCi/mL	20	MCL	NO
PMP008DL	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PMP008DL	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1		2.58	ug/l	2	MCL	YES
PMP008DL	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		43.5	ug/l	70	MCL	NO
PMP008DL	UAZ	2/1/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	0.442	mg/l	-	-	NO
PMP008DL	UAZ	2/1/2024	ETHANE	0.9	5	U	3.9	ug/l	-	-	NO
PMP008DL	UAZ	2/1/2024	ETHYLENE	0.79	5	J	13.7	ug/l	-	-	NO
PMP008DL	UAZ	2/1/2024	FERRIC IRON	0.1	0.1	J	0.31	mg/L	14	RSL	NO
PMP008DL	UAZ	2/1/2024	FERROUS IRON	0.05	0.05	UJ	0.05	mg/L	14	RSL	NO
PMP008DL	UAZ	2/1/2024	IRON	40	100		310	ug/l	14000	RSL	NO
PMP008DL	UAZ	2/1/2024	NITRATE	0.033	0.1	J	1.71	mg/l	10	MCL	NO
PMP008DL	UAZ	2/1/2024	SULFATE	0.133	0.4	J	0.393	mg/l	-	-	NO
PMP008DL	UAZ	2/1/2024	SULFIDE	0.033	0.1	U	0.1	mg/l	-	-	NO
PMP008DL	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		4.66	ug/l	5	MCL	NO
PMP008DL	UAZ	2/1/2024	TOTAL INORGANIC CARBON	1.65	5	J	9.9	mg/l	-	-	NO
PMP008DL	UAZ	2/1/2024	TOTAL ORGANIC CARBON	0.33	1	J	0.639	mg/L	-	-	NO
PMP008DL	UAZ	2/1/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/l	400	RSL	NO
PMP008DL	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PMP008DL	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	1.67	5		211	ug/l	5	MCL	YES
PMP008DL	UAZ	2/1/2024	TRITIUM	0.366	1.21		3.16	pCi/mL	20	MCL	NO
PMW001DL	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PMW001DL	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PMW001DL	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PMW001DL	UAZ	1/31/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/l	-	-	NO
PMW001DL	UAZ	1/31/2024	ETHANE	0.9	5	J	1.6	ug/l	-	-	NO
PMW001DL	UAZ	1/31/2024	ETHYLENE	0.79	5	J	3.9	ug/l	-	-	NO
PMW001DL	UAZ	1/31/2024	FERRIC IRON	0.1	0.1	R	0.1	mg/l	14	RSL	NO
PMW001DL	UAZ	1/31/2024	FERROUS IRON	0.05	0.05	R	0.05	mg/l	14	RSL	NO
PMW001DL	UAZ	1/31/2024	IRON	40	100	U	100	ug/l	14000	RSL	NO
PMW001DL	UAZ	1/31/2024	NITRATE	0.033	0.1	J	2.33	mg/L	10	MCL	NO
PMW001DL	UAZ	1/31/2024	SULFATE	0.133	0.4	J	0.319	mg/l	-	-	NO
PMW001DL	UAZ	1/31/2024	SULFIDE	0.033	0.1	U	0.1	mg/l	-	-	NO
PMW001DL	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PMW001DL	UAZ	1/31/2024	TOTAL INORGANIC CARBON	0.33	1	J	16.8	mg/l	-	-	NO
PMW001DL	UAZ	1/31/2024	TOTAL ORGANIC CARBON	0.33	1	U	1	mg/l	-	-	NO
PMW001DL	UAZ	1/31/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/l	400	RSL	NO
PMW001DL	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PMW001DL	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1		8.15	ug/l	5	MCL	YES
PMW001DL	UAZ	1/31/2024	TRITIUM	0.367	0.903	J	0.748	pCi/mL	20	MCL	NO
PMW005DL	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PMW005DL	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PMW005DL	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	J	0.65	ug/l	70	MCL	NO
PMW005DL	UAZ	1/31/2024	DISSOLVED ORGANIC CARBON	16.5	50	J	183	mg/l	-	-	NO
PMW005DL	UAZ	1/31/2024	ETHANE	0.9	5	J	13.4	ug/l	-	-	NO
PMW005DL	UAZ	1/31/2024	ETHYLENE	0.79	5	U	5	ug/l	-	-	NO
PMW005DL	UAZ	1/31/2024	FERRIC IRON	0.1	0.1	J	0.66	mg/l	14	RSL	NO
PMW005DL	UAZ	1/31/2024	FERROUS IRON	0.05	0.05	J	2.8	mg/l	14	RSL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0
Page B-15 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PMW005DL	UAZ	1/31/2024	IRON	40	100		3500	ug/l	14000	RSL	NO
PMW005DL	UAZ	1/31/2024	NITRATE	0.132	0.4	R	0.4	mg/L	10	MCL	NO
PMW005DL	UAZ	1/31/2024	SULFATE	0.133	0.4	J	0.261	mg/L	-	-	NO
PMW005DL	UAZ	1/31/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
PMW005DL	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PMW005DL	UAZ	1/31/2024	TOTAL INORGANIC CARBON	16.5	50	J	624	mg/L	-	-	NO
PMW005DL	UAZ	1/31/2024	TOTAL ORGANIC CARBON	16.5	50		176	mg/L	-	-	NO
PMW005DL	UAZ	1/31/2024	TOTAL PHOSPHATES (AS P)	0.1	0.25		5.11	mg/L	400	RSL	NO
PMW005DL	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PMW005DL	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	J	0.36	ug/l	5	MCL	NO
PMW005DL	UAZ	1/31/2024	TRITIUM	0.368	7.25		252	pCi/mL	20	MCL	YES
PRB001DU	UAZ	1/31/2024	TRITIUM	0.379	1.12		1.94	pCi/mL	20	MCL	NO
PRB002DU	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PRB002DU	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PRB002DU	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PRB002DU	UAZ	1/31/2024	ETHANE	0.9	5	J	1.1	ug/l	-	-	NO
PRB002DU	UAZ	1/31/2024	ETHYLENE	0.79	5	J	1.8	ug/l	-	-	NO
PRB002DU	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB002DU	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PRB002DU	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB002DU	UAZ	1/31/2024	TRITIUM	0.367	1.68		8.98	pCi/mL	20	MCL	NO
PRB003C	LAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PRB003C	LAZ	1/31/2024	ALUMINIUM	68	200	J	162	ug/l	20000	RSL	NO
PRB003C	LAZ	1/31/2024	ANTIMONY	3.5	20	U	10.8	ug/l	6	MCL	NO
PRB003C	LAZ	1/31/2024	ARSENIC	5	30	U	30	ug/l	10	MCL	NO
PRB003C	LAZ	1/31/2024	BARIUM	1	5	J	4.24	ug/L	2000	MCL	NO
PRB003C	LAZ	1/31/2024	BERYLLIUM	1	5	U	5	ug/L	4	MCL	NO
PRB003C	LAZ	1/31/2024	CADMIUM	1	5	U	5	ug/L	5	MCL	NO
PRB003C	LAZ	1/31/2024	CALCIUM	50	200		337	ug/L	-	-	NO
PRB003C	LAZ	1/31/2024	CHLORIDE	0.067	0.2	J	2.28	mg/L	-	-	NO
PRB003C	LAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PRB003C	LAZ	1/31/2024	CHROMIUM	1	10	U	10	ug/l	100	MCL	NO
PRB003C	LAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PRB003C	LAZ	1/31/2024	COBALT	1	5	U	5	ug/L	6	RSL	NO
PRB003C	LAZ	1/31/2024	COPPER	3	20	U	20	ug/L	1300	MCL	NO
PRB003C	LAZ	1/31/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PRB003C	LAZ	1/31/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	1	mg/L	-	-	NO
PRB003C	LAZ	1/31/2024	ETHANE	0.9	5	J	2.7	ug/l	-	-	NO
PRB003C	LAZ	1/31/2024	ETHYLENE	0.79	5	J	2.9	ug/l	-	-	NO
PRB003C	LAZ	1/31/2024	FERRIC IRON	0.1	0.1	J	0.1	mg/l	14	RSL	NO
PRB003C	LAZ	1/31/2024	FEROUS IRON	0.05	0.05	J	0.29	mg/l	14	RSL	NO
PRB003C	LAZ	1/31/2024	GROSS ALPHA	0.754	1.75	U	0.566	pCi/L	15	MCL	NO
PRB003C	LAZ	1/31/2024	IRON	30	100	J	74.8	ug/L	14000	RSL	NO
PRB003C	LAZ	1/31/2024	LEAD	3.3	20	U	20	ug/L	10	MCL	NO
PRB003C	LAZ	1/31/2024	MAGNESIUM	110	300	J	156	ug/L	-	-	NO
PRB003C	LAZ	1/31/2024	MANGANESE	2	10	J	4.18	ug/L	430	RSL	NO
PRB003C	LAZ	1/31/2024	MERCURY	0.067	0.2	U	0.2	ug/l	2	MCL	NO
PRB003C	LAZ	1/31/2024	NICKEL	1.5	5	U	5	ug/l	390	RSL	NO
PRB003C	LAZ	1/31/2024	NITRATE	0.033	0.1	J	1.34	mg/L	10	MCL	NO
PRB003C	LAZ	1/31/2024	NONVOLATILE BETA	0.973	2.23	J	0.997	pCi/L	50	MCL	NO
PRB003C	LAZ	1/31/2024	POTASSIUM	50	250	J	199	ug/L	20000	RSL	NO
PRB003C	LAZ	1/31/2024	SELENIUM	6	30	U	30	ug/L	50	MCL	NO
PRB003C	LAZ	1/31/2024	SILVER	1	5	U	5	ug/L	94	RSL	NO
PRB003C	LAZ	1/31/2024	SODIUM	100	300		5540	ug/L	1000	MCL	YES
PRB003C	LAZ	1/31/2024	STRONTIUM-90	4.54	9.26	U	-0.34	pCi/l	8	MCL	NO
PRB003C	LAZ	1/31/2024	STRONTIUM 90	5.21	10.5	U	0.622	pCi/L	8	MCL	NO
PRB003C	LAZ	1/31/2024	SULFATE	0.133	0.4		1.54	mg/L	-	-	NO
PRB003C	LAZ	1/31/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
PRB003C	LAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB003C	LAZ	1/31/2024	THALLIUM	5	20	U	20	ug/L	2	MCL	NO
PRB003C	LAZ	1/31/2024	TOTAL INORGANIC CARBON	0.33	1	J	17.6	mg/l	-	-	NO
PRB003C	LAZ	1/31/2024	TOTAL ORGANIC CARBON	0.33	1	J	0.61	mg/l	-	-	NO
PRB003C	LAZ	1/31/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05	U	0.05	mg/L	400	RSL	NO
PRB003C	LAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PRB003C	LAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB003C	LAZ	1/31/2024	TRITIUM	0.366	1.04		1.73	pCi/mL	20	MCL	NO
PRB003C	LAZ	1/31/2024	URANIUM	0.067	0.2	J	0.097	ug/L	30	MCL	NO
PRB003C	LAZ	1/31/2024	VANADIUM	1	5	U	5	ug/l	86	RSL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-16 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PRB003C	LAZ	1/31/2024	ZINC	3.3	20	J	7.67	ug/l	6000	RSL	NO
PRB003DU	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PRB003DU	UAZ	1/31/2024	ALUMINUM	68	200	U	200	ug/L	20000	RSL	NO
PRB003DU	UAZ	1/31/2024	ANTIMONY	3.5	20	U	8.82	ug/L	6	MCL	NO
PRB003DU	UAZ	1/31/2024	ARSENIC	5	30	U	30	ug/L	10	MCL	NO
PRB003DU	UAZ	1/31/2024	BARIUM	1	5		8.27	ug/L	2000	MCL	NO
PRB003DU	UAZ	1/31/2024	BERYLLIUM	1	5	U	5	ug/l	4	MCL	NO
PRB003DU	UAZ	1/31/2024	CADMIUM	1	5	U	5	ug/l	5	MCL	NO
PRB003DU	UAZ	1/31/2024	CALCIUM	50	200	J	86.2	ug/l	-	-	NO
PRB003DU	UAZ	1/31/2024	CHLORIDE	0.067	0.2	J	4.01	mg/L	-	-	NO
PRB003DU	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PRB003DU	UAZ	1/31/2024	CHROMIUM	1	10	U	1.8	ug/L	100	MCL	NO
PRB003DU	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PRB003DU	UAZ	1/31/2024	COBALT	1	5	U	5	ug/L	6	RSL	NO
PRB003DU	UAZ	1/31/2024	COPPER	3	20	U	20	ug/l	1300	MCL	NO
PRB003DU	UAZ	1/31/2024	DISSOLVED ORGANIC CARBON	0.33	1	U	0.342	mg/l	-	-	NO
PRB003DU	UAZ	1/31/2024	ETHANE	0.9	5	J	2.9	ug/l	-	-	NO
PRB003DU	UAZ	1/31/2024	ETHYLENE	0.79	5	J	2.7	ug/L	-	-	NO
PRB003DU	UAZ	1/31/2024	FERRIC IRON	0.1	0.1	R	0.1	mg/L	14	RSL	NO
PRB003DU	UAZ	1/31/2024	FERROUS IRON	0.05	0.05	R	0.05	mg/L	14	RSL	NO
PRB003DU	UAZ	1/31/2024	GROSS ALPHA	0.704	1.62	U	0.5	pCi/L	15	MCL	NO
PRB003DU	UAZ	1/31/2024	GROSS ALPHA	0.744	1.53	U	0.154	pCi/L	15	MCL	NO
PRB003DU	UAZ	1/31/2024	IRON	30	100		190	ug/l	14000	RSL	NO
PRB003DU	UAZ	1/31/2024	LEAD	3.3	20	U	20	ug/l	10	MCL	NO
PRB003DU	UAZ	1/31/2024	MAGNESIUM	110	300	J	129	ug/l	-	-	NO
PRB003DU	UAZ	1/31/2024	MANGANESE	2	10	U	10	ug/L	430	RSL	NO
PRB003DU	UAZ	1/31/2024	MERCURY	0.067	0.2	U	0.2	ug/L	2	MCL	NO
PRB003DU	UAZ	1/31/2024	NICKEL	1.5	5	U	5	ug/L	390	RSL	NO
PRB003DU	UAZ	1/31/2024	NITRATE	0.033	0.1	J	0.796	mg/L	10	MCL	NO
PRB003DU	UAZ	1/31/2024	NONVOLATILE BETA	0.992	2.24	U	0.843	pCi/L	50	MCL	NO
PRB003DU	UAZ	1/31/2024	NONVOLATILE BETA	0.937	2.1	U	0.694	pCi/L	50	MCL	NO
PRB003DU	UAZ	1/31/2024	POTASSIUM	50	250		275	ug/l	20000	RSL	NO
PRB003DU	UAZ	1/31/2024	SELENIUM	6	30	U	30	ug/l	50	MCL	NO
PRB003DU	UAZ	1/31/2024	SILVER	1	5	U	5	ug/L	94	RSL	NO
PRB003DU	UAZ	1/31/2024	SODIUM	100	300		7520	ug/l	1000	MCL	YES
PRB003DU	UAZ	1/31/2024	STRONTIUM-90	6.4	12.6	U	-2.34	pCi/L	8	MCL	NO
PRB003DU	UAZ	1/31/2024	SULFATE	0.133	0.4		5.27	mg/L	-	-	NO
PRB003DU	UAZ	1/31/2024	SULFIDE	0.033	0.1	U	0.1	mg/L	-	-	NO
PRB003DU	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PRB003DU	UAZ	1/31/2024	THALLIUM	5	20	U	20	ug/l	2	MCL	NO
PRB003DU	UAZ	1/31/2024	TOTAL INORGANIC CARBON	0.33	1	J	19.2	mg/L	-	-	NO
PRB003DU	UAZ	1/31/2024	TOTAL ORGANIC CARBON	0.33	1	J	0.33	mg/L	-	-	NO
PRB003DU	UAZ	1/31/2024	TOTAL PHOSPHATES (AS P)	0.02	0.05		0.09	mg/L	400	RSL	NO
PRB003DU	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PRB003DU	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB003DU	UAZ	1/31/2024	TRITIUM	0.366	0.802	U	0.194	pCi/mL	20	MCL	NO
PRB003DU	UAZ	1/31/2024	URANIUM	0.067	0.2	U	0.2	ug/l	30	MCL	NO
PRB003DU	UAZ	1/31/2024	VANADIUM	1	5	U	5	ug/l	86	RSL	NO
PRB003DU	UAZ	1/31/2024	ZINC	3.3	20	U	4.22	ug/l	6000	RSL	NO
PRB004DU	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PRB004DU	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PRB004DU	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PRB004DU	UAZ	2/1/2024	ETHANE	0.9	5	J	3.7	ug/L	-	-	NO
PRB004DU	UAZ	2/1/2024	ETHYLENE	0.79	5	J	3.2	ug/l	-	-	NO
PRB004DU	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PRB004DU	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PRB004DU	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	J	0.66	ug/L	5	MCL	NO
PRB004DU	UAZ	2/1/2024	TRITIUM	0.54	1.29	J	1.03	pCi/mL	20	MCL	NO
PRB004DU	UAZ	2/1/2024	TRITIUM	0.563	1.29	J	0.704	pCi/mL	20	MCL	NO
PRB005C	LAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PRB005C	LAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PRB005C	LAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1		20.4	ug/l	70	MCL	NO
PRB005C	LAZ	1/31/2024	ETHANE	0.9	5	J	4.1	ug/l	-	-	NO
PRB005C	LAZ	1/31/2024	ETHYLENE	0.79	5	J	3.8	ug/L	-	-	NO
PRB005C	LAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1		11	ug/L	5	MCL	YES
PRB005C	LAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	J	0.39	ug/L	100	MCL	NO
PRB005C	LAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	8.33	25		1810	ug/L	5	MCL	YES
PRB005C	LAZ	1/31/2024	TRITIUM	0.367	2.81		33.2	pCi/mL	20	MCL	YES

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-17 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PRB005DU	UAZ	1/31/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PRB005DU	UAZ	1/31/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PRB005DU	UAZ	1/31/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PRB005DU	UAZ	1/31/2024	ETHANE	0.9	5	J	3	ug/L	-	-	NO
PRB005DU	UAZ	1/31/2024	ETHYLENE	0.79	5	J	2.5	ug/L	-	-	NO
PRB005DU	UAZ	1/31/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB005DU	UAZ	1/31/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PRB005DU	UAZ	1/31/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PRB005DU	UAZ	1/31/2024	TRITIUM	0.366	0.83	U	0.34	pCi/ml	20	MCL	NO
PSB 1A	UAZ	2/1/2024	GROSS ALPHA	0.982	2.59	J	1.55	pCi/L	15	MCL	NO
PSB 1A	UAZ	2/1/2024	NONVOLATILE BETA	0.973	3.83	J	13	pCi/L	50	MCL	NO
PSB 1A	UAZ	2/1/2024	STRONTIUM 90	7.09	15.4	U	3.25	pCi/L	8	MCL	NO
PSB 1A	UAZ	2/1/2024	STRONTIUM-90	6.17	12.9	U	1.13	pCi/L	8	MCL	NO
PSB 1A	UAZ	2/1/2024	TRITIUM	0.825	2.42	J	5.29	pCi/mL	20	MCL	NO
PSB 2A	UAZ	2/1/2024	GROSS ALPHA	0.736	1.78	U	0.715	pCi/L	15	MCL	NO
PSB 2A	UAZ	2/1/2024	NONVOLATILE BETA	0.963	2.96	J	6.13	pCi/L	50	MCL	NO
PSB 2A	UAZ	2/1/2024	TRITIUM	0.821	4.06	J	29.8	pCi/mL	20	MCL	YES
PSB 3A	UAZ	2/1/2024	GROSS ALPHA	0.689	2.51	J	2.77	pCi/L	15	MCL	NO
PSB 3A	UAZ	2/1/2024	NONVOLATILE BETA	0.984	2.39	J	1.55	pCi/L	50	MCL	NO
PSB 3A	UAZ	2/1/2024	TRITIUM	0.823	5.1	J	53.6	pCi/mL	20	MCL	YES
PSB 4A	UAZ	2/1/2024	GROSS ALPHA	0.565	1.62	J	1.19	pCi/L	15	MCL	NO
PSB 4A	UAZ	2/1/2024	NONVOLATILE BETA	0.961	2.22	J	1.2	pCi/L	50	MCL	NO
PSB 4A	UAZ	2/1/2024	TRITIUM	0.823	1.87	J	0.852	pCi/mL	20	MCL	NO
PSB 7A	UAZ	2/1/2024	GROSS ALPHA	0.824	2.13	J	1.21	pCi/L	15	MCL	NO
PSB 7A	UAZ	2/1/2024	NONVOLATILE BETA	0.985	2.12	U	0.255	pCi/L	50	MCL	NO
PSB 7A	UAZ	2/1/2024	TRITIUM	0.816	2.26	J	3.91	pCi/mL	20	MCL	NO
PSB 11	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSB 11	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSB 11	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSB 11	UAZ	2/1/2024	ETHANE	0.9	5	J	3.6	ug/L	-	-	NO
PSB 11	UAZ	2/1/2024	ETHYLENE	0.79	5	J	2.7	ug/L	-	-	NO
PSB 11	UAZ	2/1/2024	GROSS ALPHA	0.628	1.51	U	0.559	pCi/L	15	MCL	NO
PSB 11	UAZ	2/1/2024	NONVOLATILE BETA	0.956	2.16	U	0.823	pCi/L	50	MCL	NO
PSB 11	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB 11	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSB 11	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB 11	UAZ	2/1/2024	TRITIUM	0.821	1.76	U	0.192	pCi/mL	20	MCL	NO
PSB002AA	GAU	2/1/2024	TRITIUM	4.33	220	J	5720	pCi/mL	20	MCL	YES
PSB002AA	GAU	2/1/2024	TRITIUM	4.33	216	J	5490	pCi/mL	20	MCL	YES
PSB002AL	GAU	2/1/2024	TRITIUM	0.834	4.03	J	28.3	pCi/mL	20	MCL	YES
PSB002B	LAZ	2/1/2024	GROSS ALPHA	0.944	2.23	U	0.927	pCi/L	15	MCL	NO
PSB002B	LAZ	2/1/2024	NONVOLATILE BETA	0.906	2.36	J	2.65	pCi/L	50	MCL	NO
PSB002B	LAZ	2/1/2024	TRITIUM	5.72	338	J	8950	pCi/mL	20	MCL	YES
PSB002C	LAZ	2/1/2024	GROSS ALPHA	0.977	2.17	U	0.524	pCi/L	15	MCL	NO
PSB002C	LAZ	2/1/2024	NONVOLATILE BETA	0.961	2.2	U	0.798	pCi/L	50	MCL	NO
PSB002C	LAZ	2/1/2024	TRITIUM	3.92	183	J	4580	pCi/mL	20	MCL	YES
PSB002DL	UAZ	2/1/2024	GROSS ALPHA	0.973	2.68	J	1.69	pCi/L	15	MCL	NO
PSB002DL	UAZ	2/1/2024	NONVOLATILE BETA	0.937	2.2	U	0.898	pCi/L	50	MCL	NO
PSB002DL	UAZ	2/1/2024	TRITIUM	0.832	8.53	J	177	pCi/mL	20	MCL	YES
PSB003DL	UAZ	2/1/2024	GROSS ALPHA	0.891	1.92	U	0.358	pCi/L	15	MCL	NO
PSB003DL	UAZ	2/1/2024	NONVOLATILE BETA	0.95	2.01	U	0.0752	pCi/L	50	MCL	NO
PSB003DL	UAZ	2/1/2024	TRITIUM	0.827	6.77	J	105	pCi/mL	20	MCL	YES
PSB011A	GAU	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSB011A	GAU	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSB011A	GAU	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSB011A	GAU	2/1/2024	ETHANE	0.9	5	J	3.8	ug/L	-	-	NO
PSB011A	GAU	2/1/2024	ETHYLENE	0.79	5	J	2.7	ug/L	-	-	NO
PSB011A	GAU	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB011A	GAU	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSB011A	GAU	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB011A	GAU	2/1/2024	TRITIUM	0.821	2.42	J	5.37	pCi/mL	20	MCL	NO
PSB011B	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSB011B	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSB011B	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSB011B	LAZ	2/1/2024	ETHANE	0.9	5	U	5	ug/L	-	-	NO
PSB011B	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.1	ug/L	-	-	NO
PSB011B	LAZ	2/1/2024	GROSS ALPHA	0.748	2.23	J	1.46	pCi/L	15	MCL	NO
PSB011B	LAZ	2/1/2024	NONVOLATILE BETA	0.991	2.57	J	2.35	pCi/L	50	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-18 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PSB011B	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PSB011B	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSB011B	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB011B	LAZ	2/1/2024	TRITIUM	1.37	31.2		764	pCi/mL	20	MCL	YES
PSB011C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.188	1	U	1	ug/L	7	MCL	NO
PSB011C	LAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSB011C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.234	1	U	1	ug/l	2	MCL	NO
PSB011C	LAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PSB011C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.126	1	U	1	ug/l	70	MCL	NO
PSB011C	LAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PSB011C	LAZ	2/1/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PSB011C	LAZ	2/1/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PSB011C	LAZ	2/1/2024	ETHANE	0.9	5	J	2.9	ug/L	-	-	NO
PSB011C	LAZ	2/1/2024	ETHYLENE	10	25	U	25	ug/L	-	-	NO
PSB011C	LAZ	2/1/2024	ETHYLENE	10	25	U	25	ug/l	-	-	NO
PSB011C	LAZ	2/1/2024	ETHYLENE	0.79	5	J	2.1	ug/l	-	-	NO
PSB011C	LAZ	2/1/2024	GROSS ALPHA	0.774	2.366	J	2.2	pCi/l	15	MCL	NO
PSB011C	LAZ	2/1/2024	GROSS ALPHA	0.768	2.272	J	2	pCi/l	15	MCL	NO
PSB011C	LAZ	2/1/2024	GROSS ALPHA	0.677	1.88	J	1.36	pCi/l	15	MCL	NO
PSB011C	LAZ	2/1/2024	NONVOLATILE BETA	1.65	4.23	U	1.58	pCi/l	50	MCL	NO
PSB011C	LAZ	2/1/2024	NONVOLATILE BETA	1.25	3.238	J	1.19	pCi/l	50	MCL	NO
PSB011C	LAZ	2/1/2024	NONVOLATILE BETA	0.979	2.25	J	1.12	pCi/l	50	MCL	NO
PSB011C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.3	1.2	U	1.2	ug/l	5	MCL	NO
PSB011C	LAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO
PSB011C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.149	1	U	1	ug/l	100	MCL	NO
PSB011C	LAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSB011C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.19	1	U	1	ug/l	5	MCL	NO
PSB011C	LAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB011C	LAZ	2/1/2024	TRITIUM	3.54	159		3960	pCi/mL	20	MCL	YES
PSB011C	LAZ	2/1/2024	TRITIUM	0.757	19.637		3420	pCi/mL	20	MCL	YES
PSB011C	LAZ	2/1/2024	TRITIUM	0.757	19.497		3370	pCi/mL	20	MCL	YES
PSB011DL	UAZ	2/1/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PSB011DL	UAZ	2/1/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PSB011DL	UAZ	2/1/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSB011DL	UAZ	2/1/2024	ETHANE	0.9	5	R	5	ug/l	-	-	NO
PSB011DL	UAZ	2/1/2024	ETHANE	0.9	5	J	0.92	ug/L	-	-	NO
PSB011DL	UAZ	2/1/2024	ETHYLENE	0.79	5	J	0.93	ug/L	-	-	NO
PSB011DL	UAZ	2/1/2024	ETHYLENE	0.79	5	J	0.8	ug/l	-	-	NO
PSB011DL	UAZ	2/1/2024	GROSS ALPHA	0.712	1.81	J	0.881	pCi/l	15	MCL	NO
PSB011DL	UAZ	2/1/2024	NONVOLATILE BETA	0.973	2.19	U	0.731	pCi/l	50	MCL	NO
PSB011DL	UAZ	2/1/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSB011DL	UAZ	2/1/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PSB011DL	UAZ	2/1/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PSB011DL	UAZ	2/1/2024	TRITIUM	2.32	81.1		2030	pCi/mL	20	MCL	YES
PSC002D1	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PSC002D1	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PSC002D1	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PSC002D1	UAZ	2/5/2024	ETHANE	0.9	5	U	3.3	ug/l	-	-	NO
PSC002D1	UAZ	2/5/2024	ETHYLENE	0.79	5	U	3.1	ug/l	-	-	NO
PSC002D1	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC002D1	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC002D1	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PSC002D1	UAZ	2/5/2024	TRITIUM	0.365	0.925	J	0.87	pCi/mL	20	MCL	NO
PSC002D1	UAZ	2/5/2024	TRITIUM	0.369	0.905	J	0.71	pCi/mL	20	MCL	NO
PSC002D2	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PSC002D2	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
PSC002D2	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC002D2	UAZ	2/5/2024	ETHANE	0.9	5	J	4.5	ug/L	-	-	NO
PSC002D2	UAZ	2/5/2024	ETHYLENE	0.79	5	U	3.5	ug/l	-	-	NO
PSC002D2	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC002D2	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PSC002D2	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	J	0.87	ug/l	5	MCL	NO
PSC002D2	UAZ	2/5/2024	TRITIUM	0.35	0.924		1.1	pCi/mL	20	MCL	NO
PSC003D1	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PSC003D1	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC003D1	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
PSC003D1	UAZ	2/5/2024	ETHANE	0.9	5	J	5.6	ug/L	-	-	NO
PSC003D1	UAZ	2/5/2024	ETHYLENE	0.79	5	U	4.1	ug/l	-	-	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-19 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PSC003D1	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC003D1	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC003D1	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	J	0.73	ug/L	5	MCL	NO
PSC003D1	UAZ	2/5/2024	TRITIUM	0.353	1.33		4.67	pCi/mL	20	MCL	NO
PSC003D2	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC003D2	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC003D2	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC003D2	UAZ	2/5/2024	ETHANE	0.9	5	J	5.6	ug/L	-	-	NO
PSC003D2	UAZ	2/5/2024	ETHYLENE	0.79	5	U	4.1	ug/L	-	-	NO
PSC003D2	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC003D2	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC003D2	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1		1.33	ug/L	5	MCL	NO
PSC003D2	UAZ	2/5/2024	TRITIUM	0.351	6.05		190	pCi/mL	20	MCL	YES
PSC004D1	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC004D1	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC004D1	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC004D1	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC004D1	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC004D1	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC004D1	UAZ	2/5/2024	ETHANE	0.9	5	J	5.5	ug/L	-	-	NO
PSC004D1	UAZ	2/5/2024	ETHANE	0.9	5	J	5.2	ug/L	-	-	NO
PSC004D1	UAZ	2/5/2024	ETHYLENE	0.79	5	U	3.9	ug/L	-	-	NO
PSC004D1	UAZ	2/5/2024	ETHYLENE	0.79	5	U	3.7	ug/L	-	-	NO
PSC004D1	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC004D1	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC004D1	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC004D1	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC004D1	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC004D1	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC004D1	UAZ	2/5/2024	TRITIUM	0.351	8.51		391	pCi/mL	20	MCL	YES
PSC004D1	UAZ	2/5/2024	TRITIUM	0.348	8.27		374	pCi/mL	20	MCL	YES
PSC004D2	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC004D2	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC004D2	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC004D2	UAZ	2/5/2024	ETHANE	0.9	5	J	5	ug/L	-	-	NO
PSC004D2	UAZ	2/5/2024	ETHYLENE	0.79	5	U	3.4	ug/L	-	-	NO
PSC004D2	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC004D2	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC004D2	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1		11.1	ug/L	5	MCL	YES
PSC004D2	UAZ	2/5/2024	TRITIUM	0.348	0.908	J	1.03	pCi/mL	20	MCL	NO
PSC005D1	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC005D1	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC005D1	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC005D1	UAZ	2/5/2024	ETHANE	0.9	5	J	5.7	ug/L	-	-	NO
PSC005D1	UAZ	2/5/2024	ETHYLENE	0.79	5	U	3.8	ug/L	-	-	NO
PSC005D1	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC005D1	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC005D1	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC005D1	UAZ	2/5/2024	TRITIUM	0.35	0.826	J	0.496	pCi/mL	20	MCL	NO
PSC005D2	UAZ	2/5/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC005D2	UAZ	2/5/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC005D2	UAZ	2/5/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC005D2	UAZ	2/5/2024	ETHANE	0.9	5	U	1.7	ug/L	-	-	NO
PSC005D2	UAZ	2/5/2024	ETHYLENE	0.79	5	U	0.97	ug/L	-	-	NO
PSC005D2	UAZ	2/5/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC005D2	UAZ	2/5/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC005D2	UAZ	2/5/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC005D2	UAZ	2/5/2024	TRITIUM	0.35	0.8	J	0.353	pCi/mL	20	MCL	NO
PSC006D1	UAZ	2/6/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
PSC006D1	UAZ	2/6/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC006D1	UAZ	2/6/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC006D1	UAZ	2/6/2024	ETHANE	0.9	5	J	4	ug/L	-	-	NO
PSC006D1	UAZ	2/6/2024	ETHYLENE	0.79	5	J	2.9	ug/L	-	-	NO
PSC006D1	UAZ	2/6/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC006D1	UAZ	2/6/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
PSC006D1	UAZ	2/6/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC006D1	UAZ	2/6/2024	TRITIUM	0.362	0.898	J	0.75	pCi/mL	20	MCL	NO
PSC006D2	UAZ	2/6/2024	1,1-DICHLOROETHYLENE	0.188	1	U	1	ug/L	7	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page B-20 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
PSC006D2	UAZ	2/6/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
PSC006D2	UAZ	2/6/2024	CHLOROETHENE (VINYL CHLORIDE)	0.234	1	U	1	ug/L	2	MCL	NO
PSC006D2	UAZ	2/6/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
PSC006D2	UAZ	2/6/2024	CIS-1,2-DICHLOROETHYLENE	0.126	1	U	1	ug/L	70	MCL	NO
PSC006D2	UAZ	2/6/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
PSC006D2	UAZ	2/6/2024	ETHANE	10	25	U	25	ug/L	-	-	NO
PSC006D2	UAZ	2/6/2024	ETHANE	10	25	UJ	25	ug/l	-	-	NO
PSC006D2	UAZ	2/6/2024	ETHANE	0.9	5	J	5.2	ug/l	-	-	NO
PSC006D2	UAZ	2/6/2024	ETHYLENE	10	25	U	25	ug/l	-	-	NO
PSC006D2	UAZ	2/6/2024	ETHYLENE	10	25	UJ	25	ug/l	-	-	NO
PSC006D2	UAZ	2/6/2024	ETHYLENE	0.79	5	J	3.4	ug/L	-	-	NO
PSC006D2	UAZ	2/6/2024	TETRACHLOROETHYLENE (PCE)	0.3	1.2	U	1.2	ug/L	5	MCL	NO
PSC006D2	UAZ	2/6/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
PSC006D2	UAZ	2/6/2024	TRANS-1,2-DICHLOROETHYLENE	0.149	1	U	1	ug/L	100	MCL	NO
PSC006D2	UAZ	2/6/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
PSC006D2	UAZ	2/6/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
PSC006D2	UAZ	2/6/2024	TRICHLOROETHYLENE (TCE)	0.19	1	J	0.33	ug/l	5	MCL	NO
PSC006D2	UAZ	2/6/2024	TRITIUM	0.756	1.724	J	1.59	pCi/mL	20	MCL	NO
PSC006D2	UAZ	2/6/2024	TRITIUM	0.356	0.934		1.07	pCi/mL	20	MCL	NO
SC-02	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
SC-02	SW	2/7/2024	1,4-DIOXANE	1	3	U	3	ug/l	0.46	RSL	NO
SC-02	SW	2/7/2024	1,4-DIOXANE	0.04	0.2	U	0.2	ug/L	0.46	RSL	NO
SC-02	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
SC-02	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
SC-02	SW	2/7/2024	ETHANE	0.9	5	J	7.6	ug/l	-	-	NO
SC-02	SW	2/7/2024	ETHYLENE	0.79	5	J	5.8	ug/L	-	-	NO
SC-02	SW	2/7/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-02	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
SC-02	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/l	5	MCL	NO
SC-02	SW	2/7/2024	TRITIUM	0.351	0.923		1.08	pCi/mL	20	MCL	NO
SC-03	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
SC-03	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
SC-03	SW	2/7/2024	1,4-DIOXANE	1	3	U	3	ug/l	0.46	RSL	NO
SC-03	SW	2/7/2024	1,4-DIOXANE	1	3	U	3	ug/L	0.46	RSL	NO
SC-03	SW	2/7/2024	1,4-DIOXANE	0.04	0.2	U	0.2	ug/l	0.46	RSL	NO
SC-03	SW	2/7/2024	1,4-DIOXANE	0.04	0.2	U	0.107	ug/L	0.46	RSL	NO
SC-03	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
SC-03	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/l	2	MCL	NO
SC-03	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1.36	ug/L	70	MCL	NO
SC-03	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1.35	ug/l	70	MCL	NO
SC-03	SW	2/7/2024	ETHANE	0.9	5	J	31.3	ug/L	-	-	NO
SC-03	SW	2/7/2024	ETHANE	0.9	5	U	5.7	ug/l	-	-	NO
SC-03	SW	2/7/2024	ETHYLENE	0.79	5	J	3.8	ug/l	-	-	NO
SC-03	SW	2/7/2024	ETHYLENE	0.79	5	J	2.8	ug/L	-	-	NO
SC-03	SW	2/7/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-03	SW	2/7/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-03	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
SC-03	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	100	MCL	NO
SC-03	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	18.6	ug/l	5	MCL	YES
SC-03	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	18.5	ug/l	5	MCL	YES
SC-03	SW	2/7/2024	TRITIUM	0.35	5.21		139	pCi/mL	20	MCL	YES
SC-03	SW	2/7/2024	TRITIUM	0.356	5.26		136	pCi/mL	20	MCL	YES
SC-04	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.188	1	U	1	ug/L	7	MCL	NO
SC-04	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/l	7	MCL	NO
SC-04	SW	2/7/2024	1,4-DIOXANE	1	3	U	3	ug/l	0.46	RSL	NO
SC-04	SW	2/7/2024	1,4-DIOXANE	0.04	0.2	U	0.111	ug/l	0.46	RSL	NO
SC-04	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.234	1	U	1	ug/L	2	MCL	NO
SC-04	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
SC-04	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/l	70	MCL	NO
SC-04	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.126	1	J	0.239	ug/L	70	MCL	NO
SC-04	SW	2/7/2024	ETHANE	0.9	5	J	31.4	ug/l	-	-	NO
SC-04	SW	2/7/2024	ETHANE	10	25	U	25	ug/l	-	-	NO
SC-04	SW	2/7/2024	ETHANE	10	25	UJ	25	ug/l	-	-	NO
SC-04	SW	2/7/2024	ETHYLENE	10	25	U	25	ug/L	-	-	NO
SC-04	SW	2/7/2024	ETHYLENE	10	25	UJ	25	ug/L	-	-	NO
SC-04	SW	2/7/2024	ETHYLENE	0.79	5	U	2.6	ug/L	-	-	NO
SC-04	SW	2/7/2024	TETRACHLOROETHYLENE (PCE)	0.3	1.2	U	1.2	ug/L	5	MCL	NO
SC-04	SW	2/7/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/l	5	MCL	NO

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0
Page B-21 of B-22

Station ID	Aquifer Zone	Date	Analyte	MDL	PQL	Qualifier Code	Result	Units	SL	SL Reference	Exceeds SL?
SC-04	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.149	1	U	1	ug/L	100	MCL	NO
SC-04	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
SC-04	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.19	1	J	1.83	ug/L	5	MCL	NO
SC-04	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.333	1		1.25	ug/L	5	MCL	NO
SC-04	SW	2/7/2024	TRITIUM	0.756	3.796		81.8	pCi/mL	20	MCL	YES
SC-04	SW	2/7/2024	TRITIUM	0.36	4.14		78.9	pCi/mL	20	MCL	YES
SC-07	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
SC-07	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
SC-07	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
SC-07	SW	2/7/2024	ETHANE	0.9	5	U	2	ug/L	-	-	NO
SC-07	SW	2/7/2024	ETHYLENE	0.79	5	U	1.8	ug/L	-	-	NO
SC-07	SW	2/7/2024	TETRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-07	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
SC-07	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-07	SW	2/7/2024	TRITIUM	0.352	2.3		21.3	pCi/mL	20	MCL	YES
SC-08	SW	2/7/2024	1,1-DICHLOROETHYLENE	0.333	1	U	1	ug/L	7	MCL	NO
SC-08	SW	2/7/2024	CHLOROETHENE (VINYL CHLORIDE)	0.333	1	U	1	ug/L	2	MCL	NO
SC-08	SW	2/7/2024	CIS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	70	MCL	NO
SC-08	SW	2/7/2024	ETHANE	0.9	5	R	5	ug/L	-	-	NO
SC-08	SW	2/7/2024	ETHYLENE	0.79	5	R	5	ug/L	-	-	NO
SC-08	SW	2/7/2024	TE TRACHLOROETHYLENE (PCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-08	SW	2/7/2024	TRANS-1,2-DICHLOROETHYLENE	0.333	1	U	1	ug/L	100	MCL	NO
SC-08	SW	2/7/2024	TRICHLOROETHYLENE (TCE)	0.333	1	U	1	ug/L	5	MCL	NO
SC-08	SW	2/7/2024	TRITIUM	0.353	2.16		18.1	pCi/mL	20	MCL	NO

MCL - maximum contaminant level

MDL - method detection limit

PQL - practical quantification limit

RSL - regional screening level

SL - screening level

Samples highlighted yellow are split samples.

Samples highlighted green are field duplicate samples.

Samples highlighted blue are laboratory duplicate samples.

Bold font indicates the samples exceeding respective screening levels.

Qualifier U - result is below detection limit, the PQL is used as the reported result for inorganic and organic analyses, and the instrument reading is used as the reported result for radiological analyses.

J - result has higher uncertainty than usual, either for quality control/quality assurance parameters slightly outside normal ranges, or result is between the MDL and PQL.

This page intentionally left blank.

APPENDIX C

TIME-SERIES PLOTS FOR PAGW OU 2024 SAMPLING

APPENDIX C.1 – TRITIUM TIME-SERIES PLOTS

APPENDIX C.2 – TRICHLOROETHYLENE TIME-SERIES PLOTS

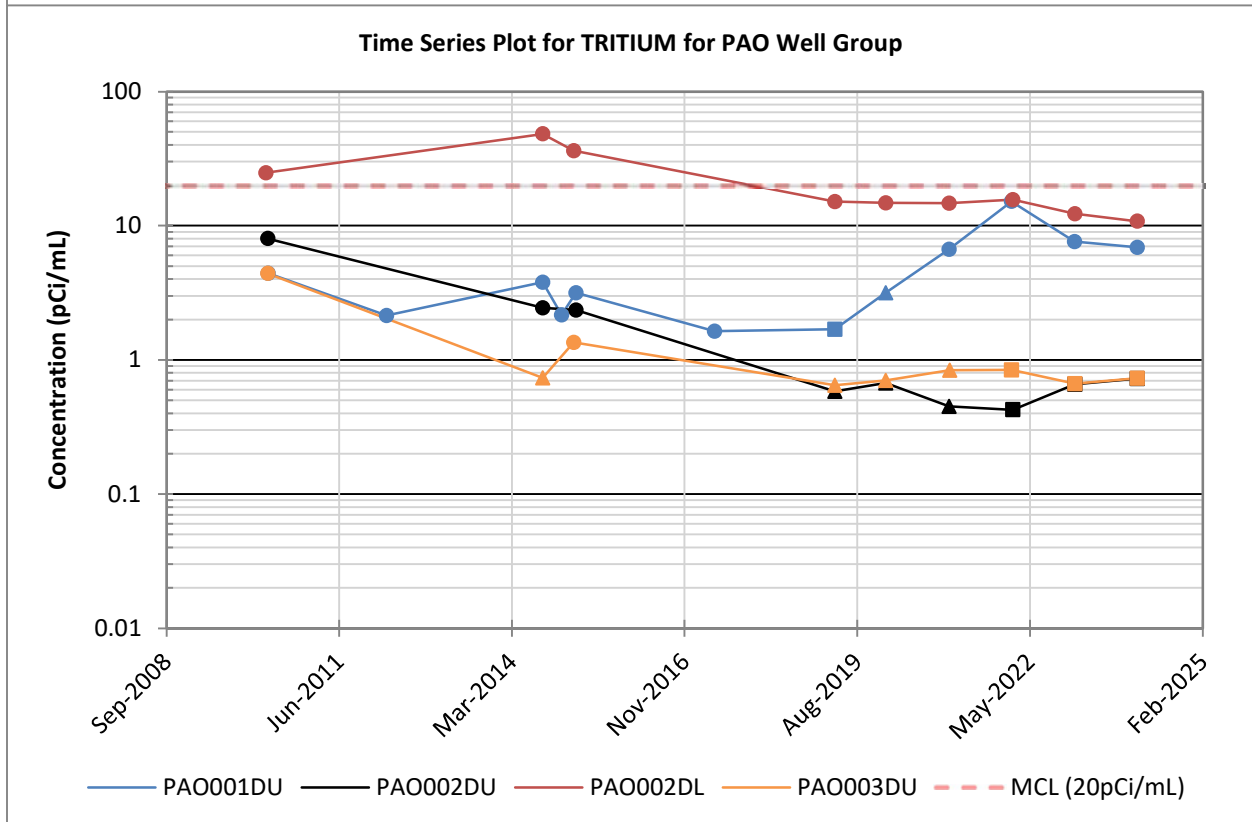
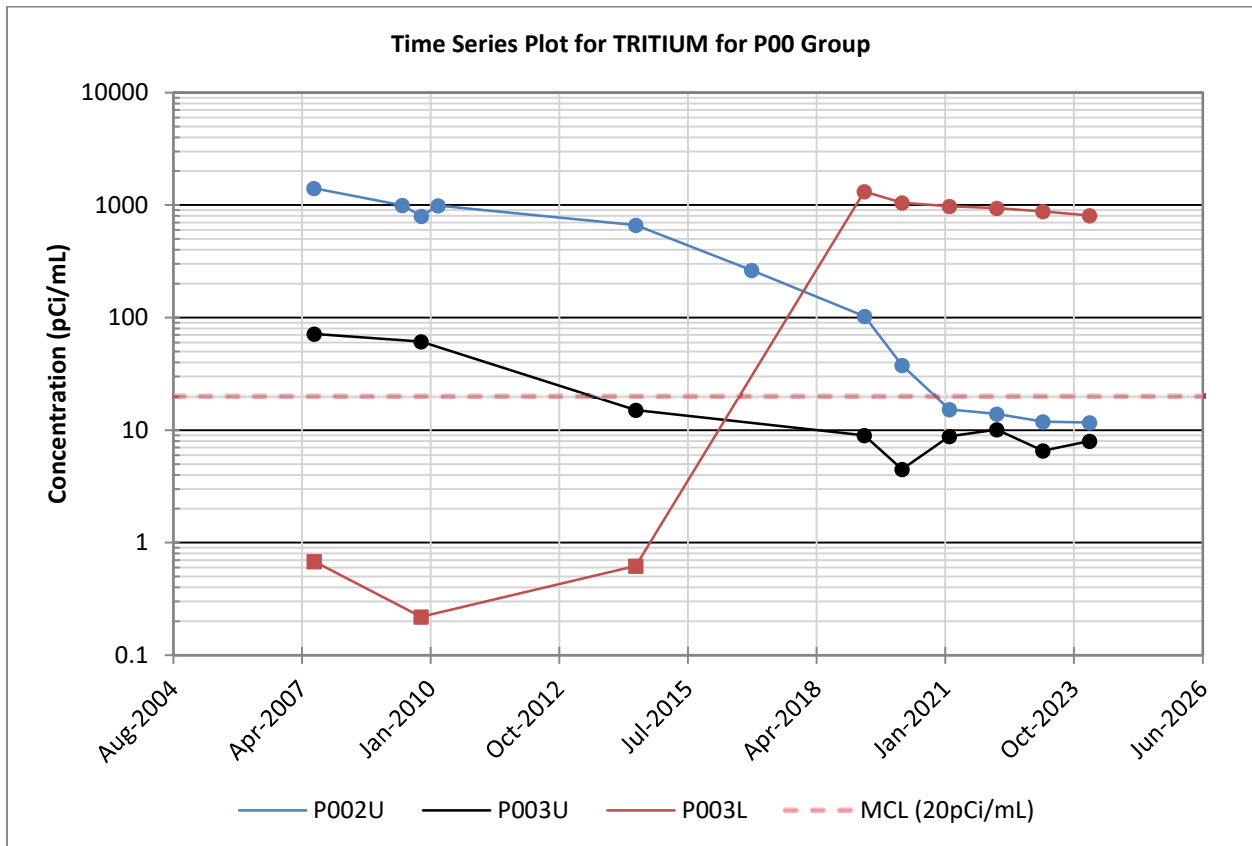
This page intentionally left blank.

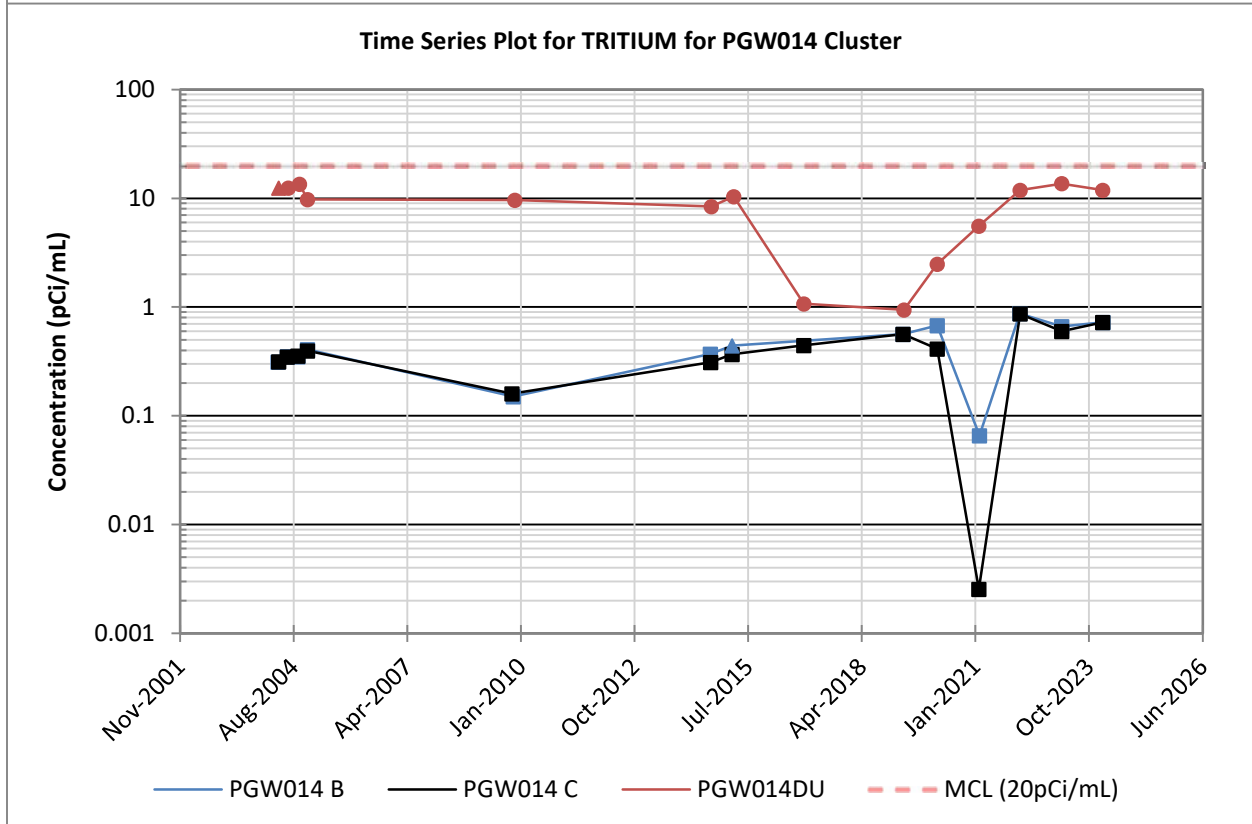
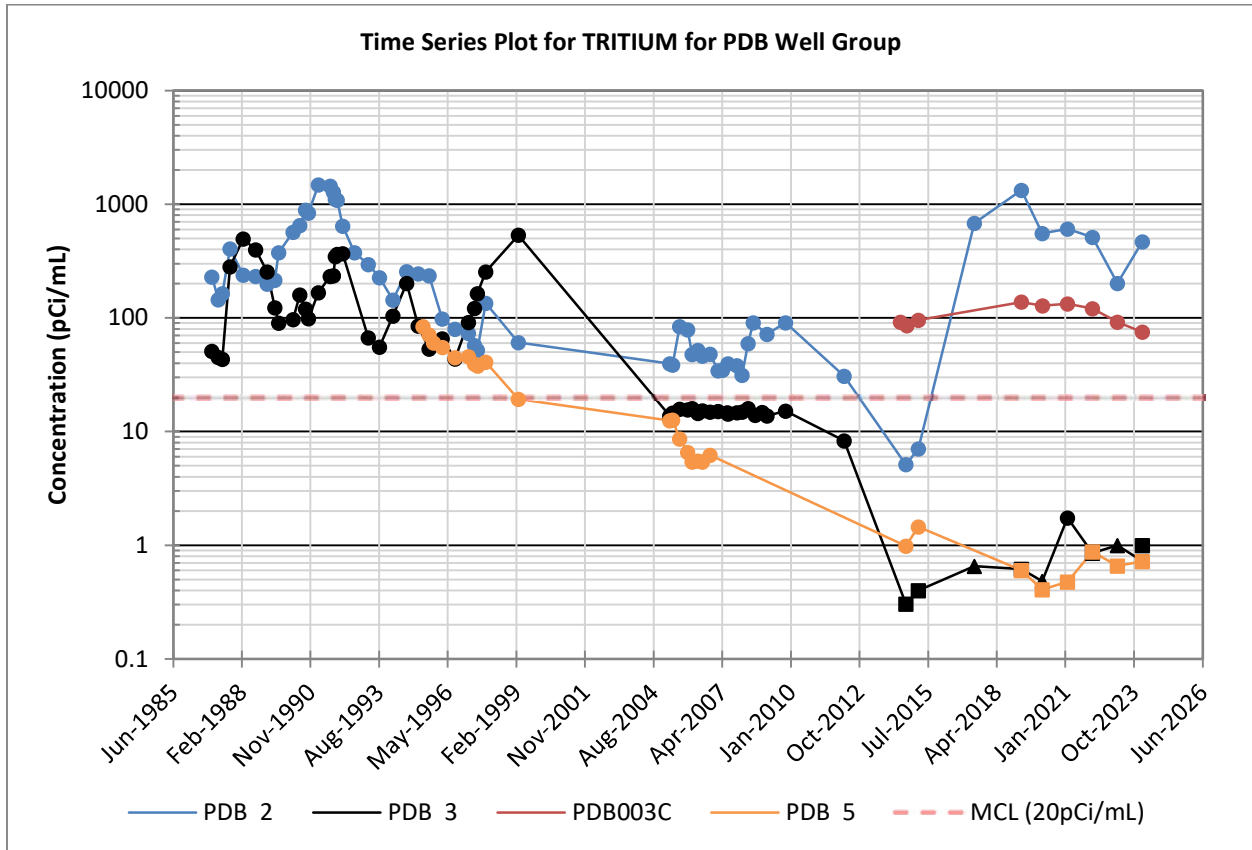
APPENDIX C.1

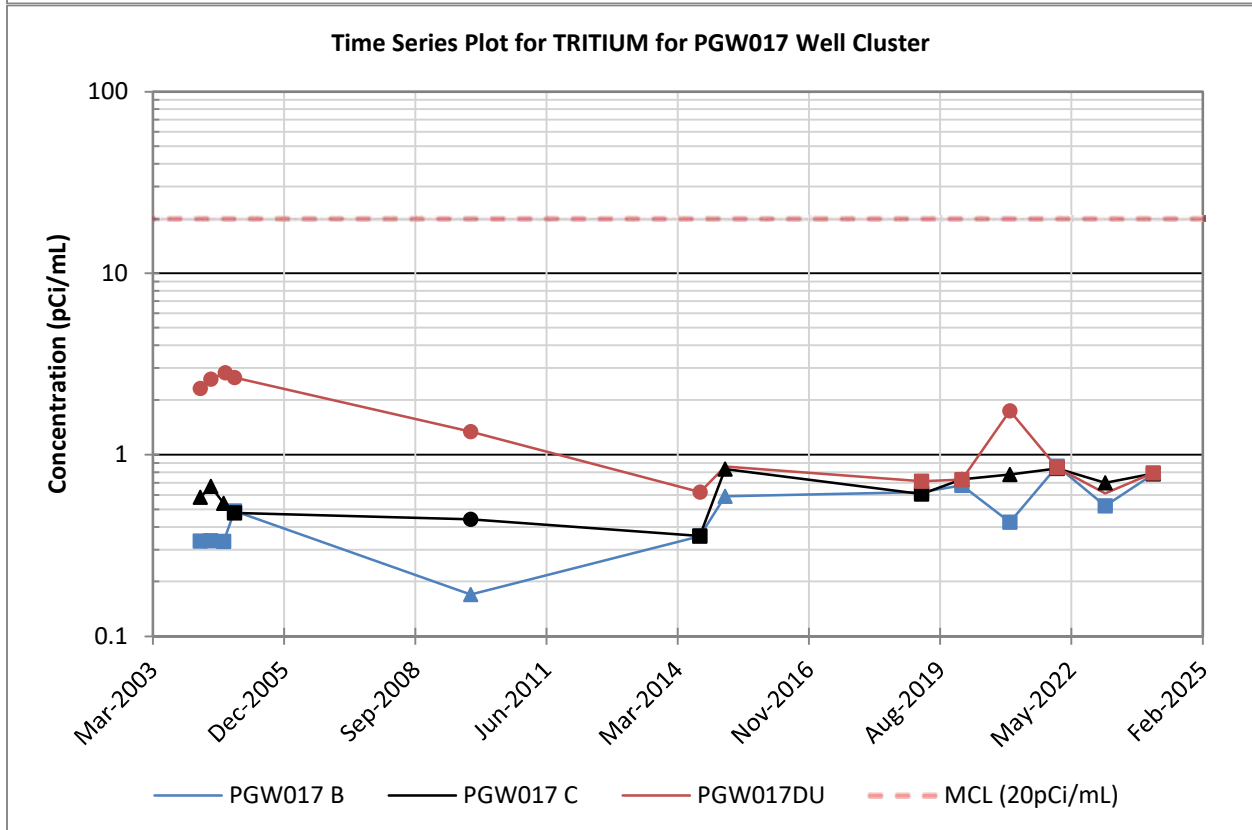
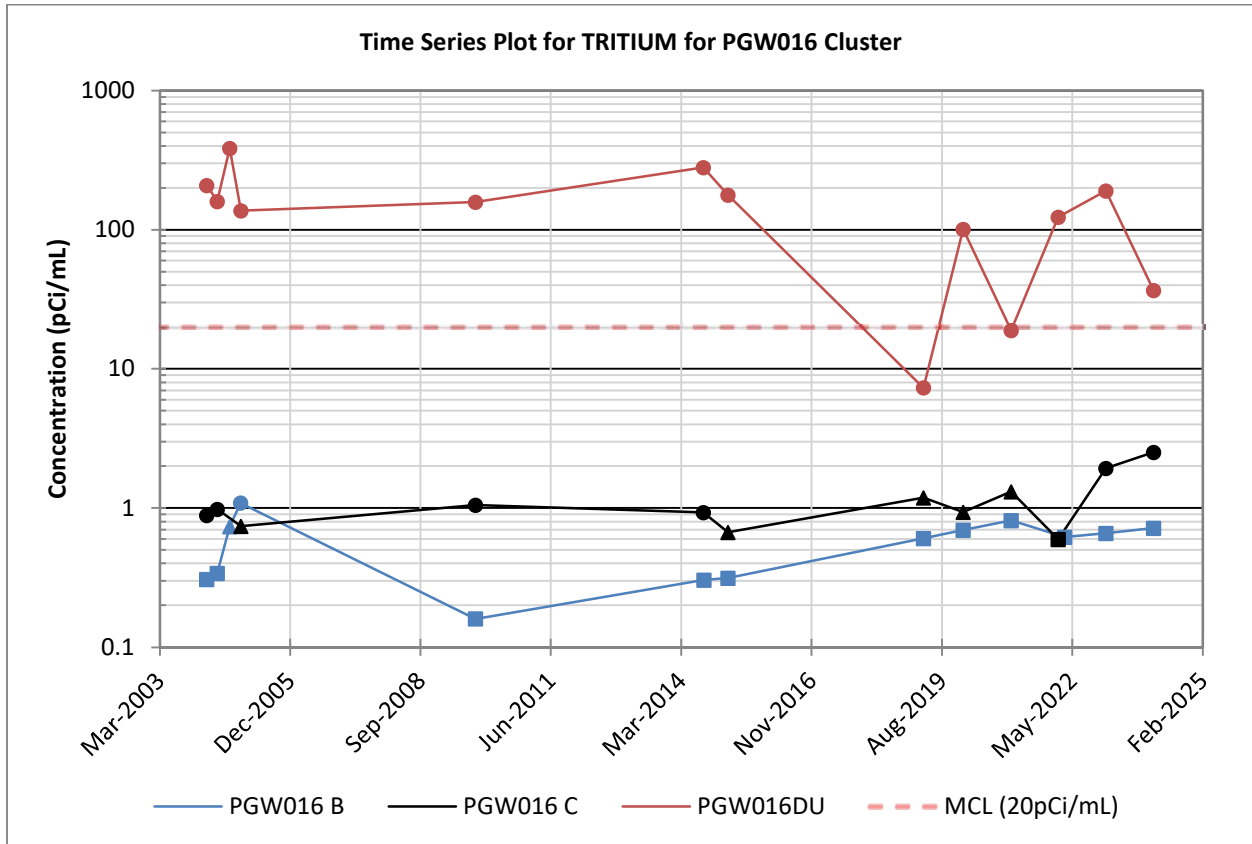
TRITIUM TIME-SERIES PLOTS

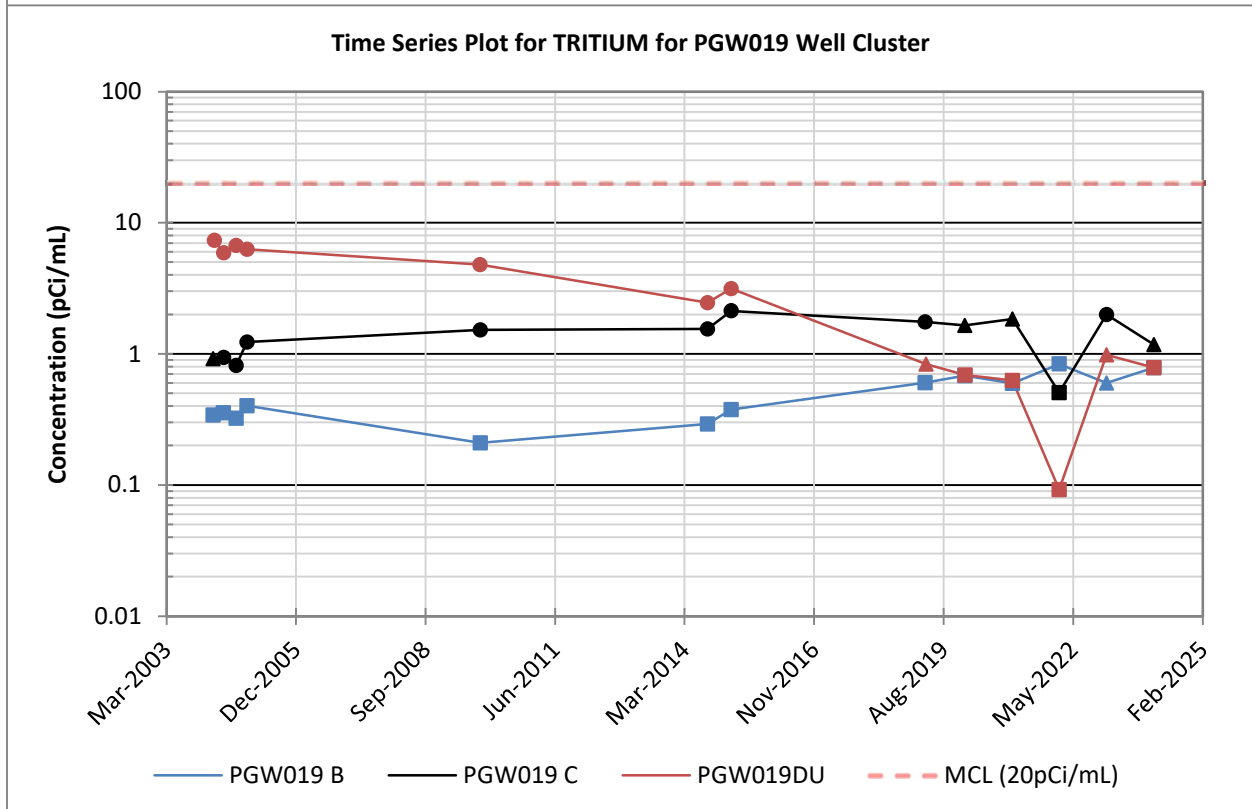
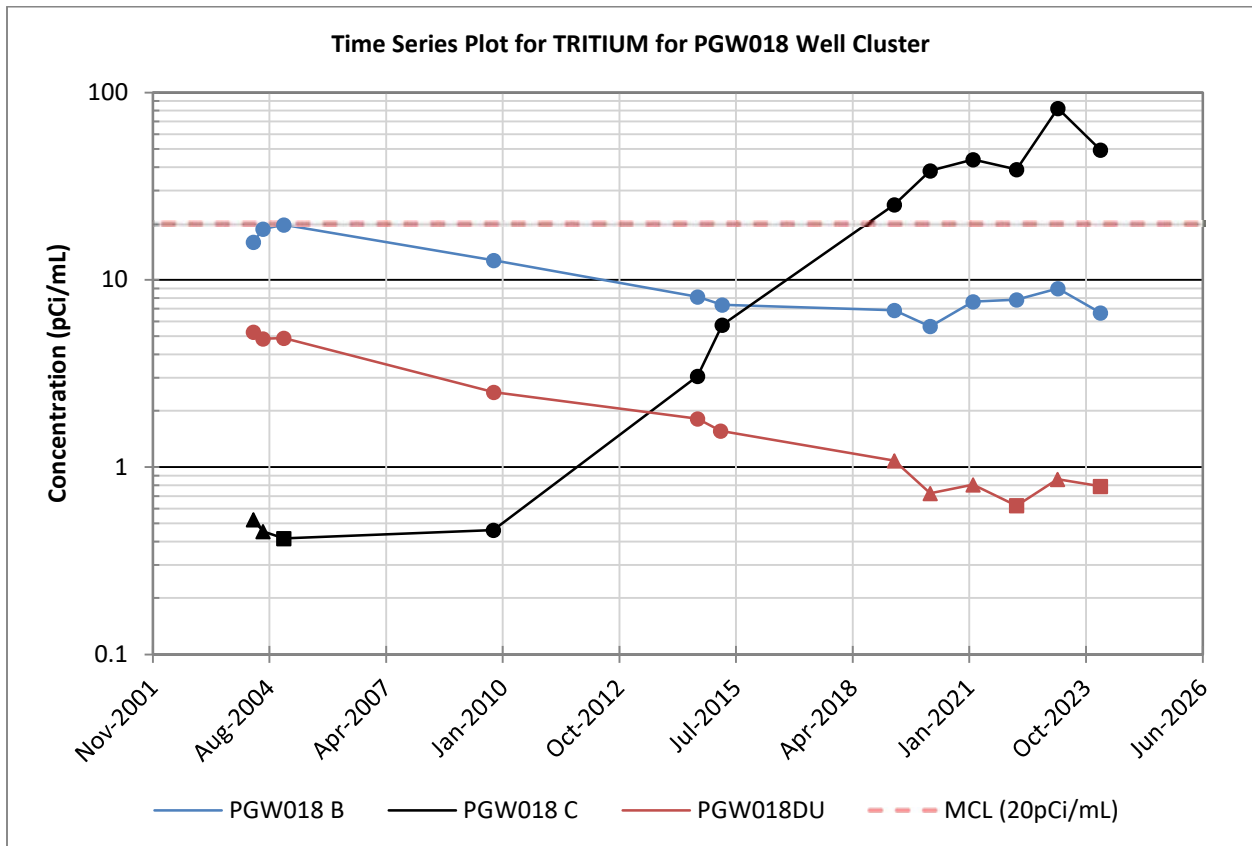
For all time-series plots, samples qualified J have triangle markers, samples qualified U have square markers, and samples with no qualifier have circle markers.

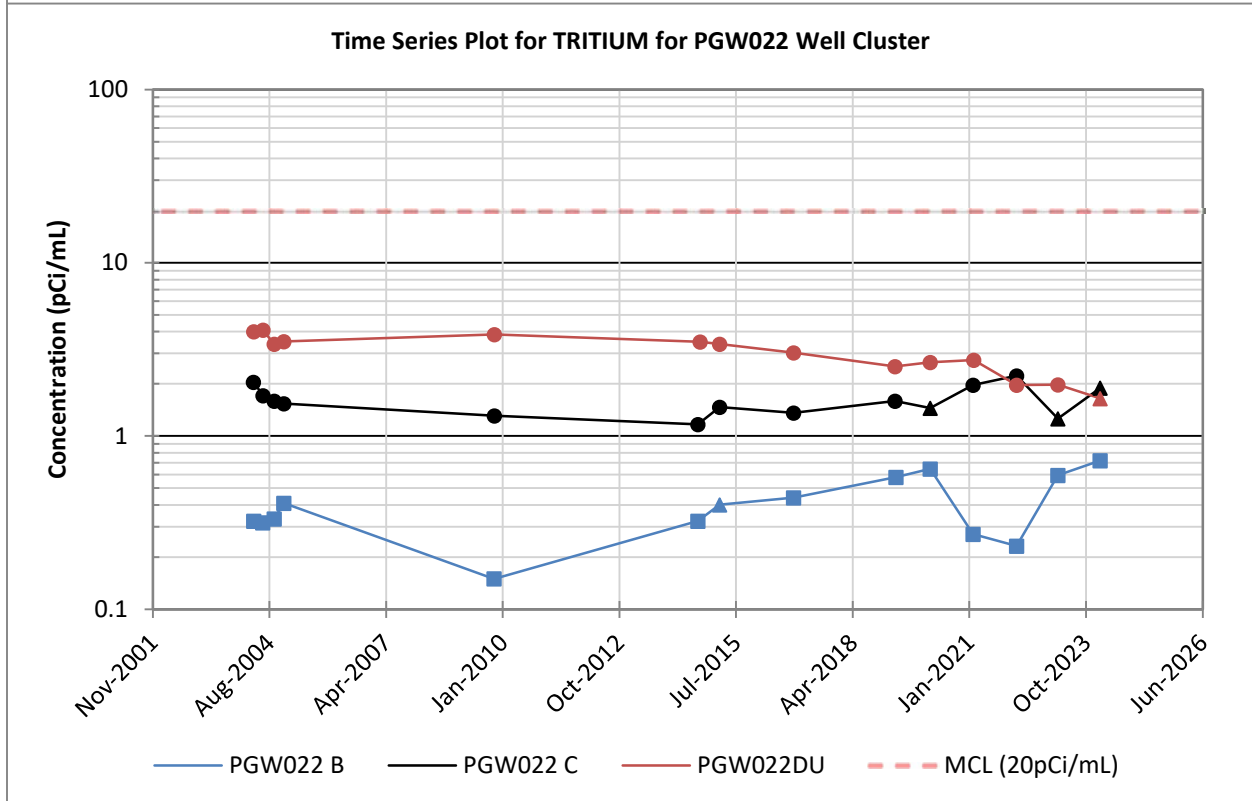
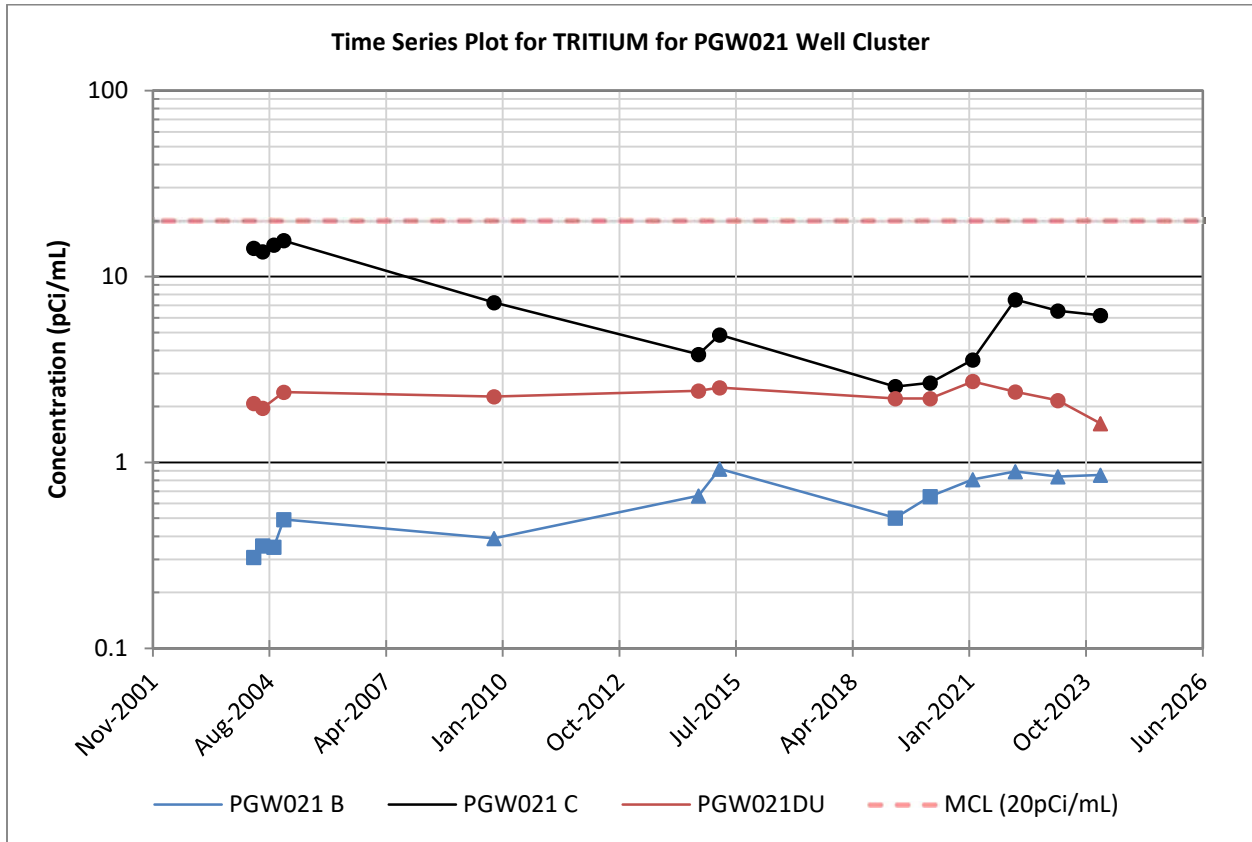
This page intentionally left blank.

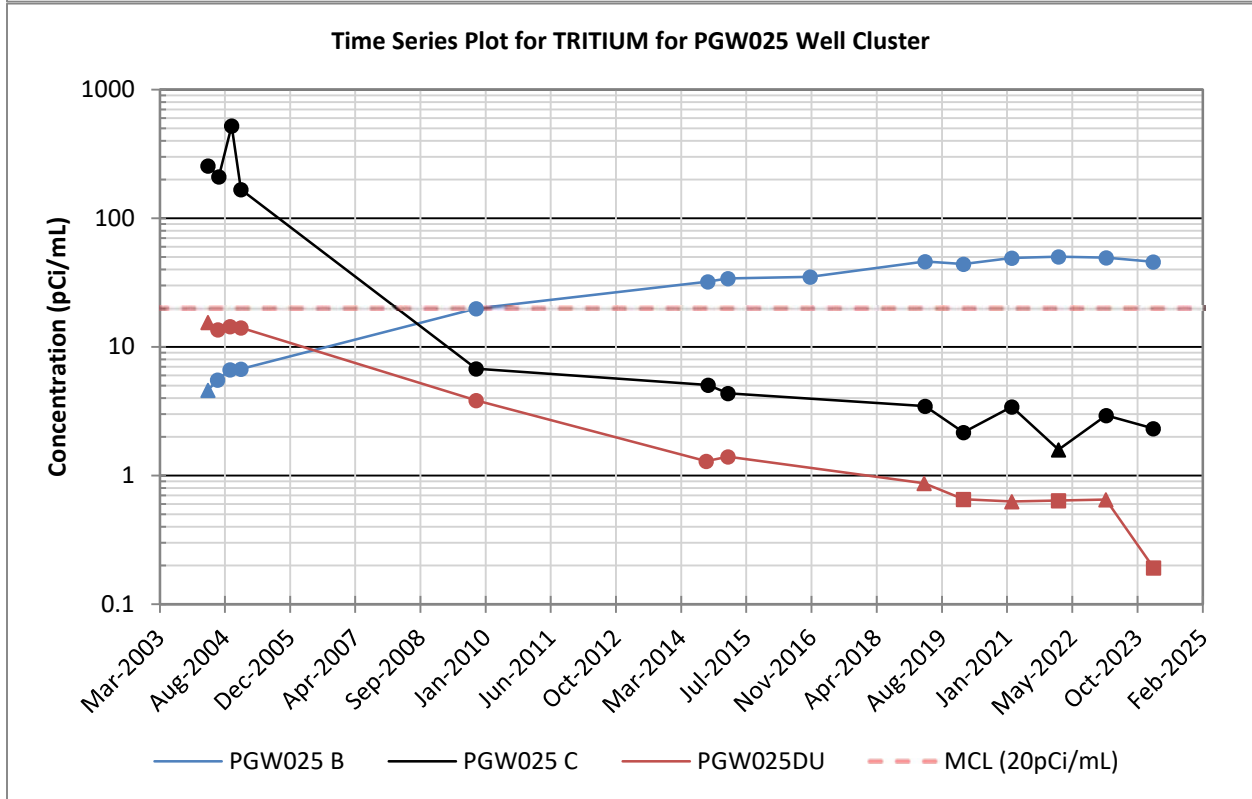
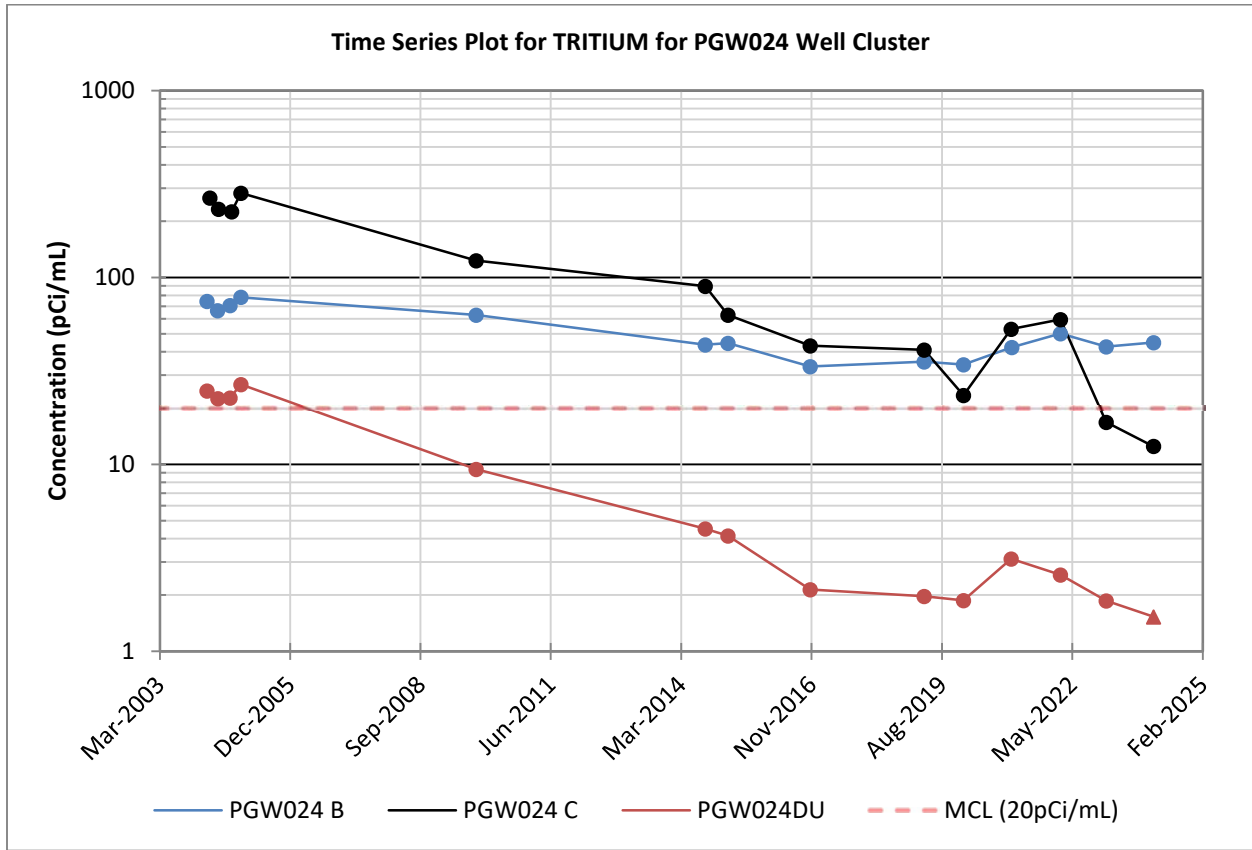


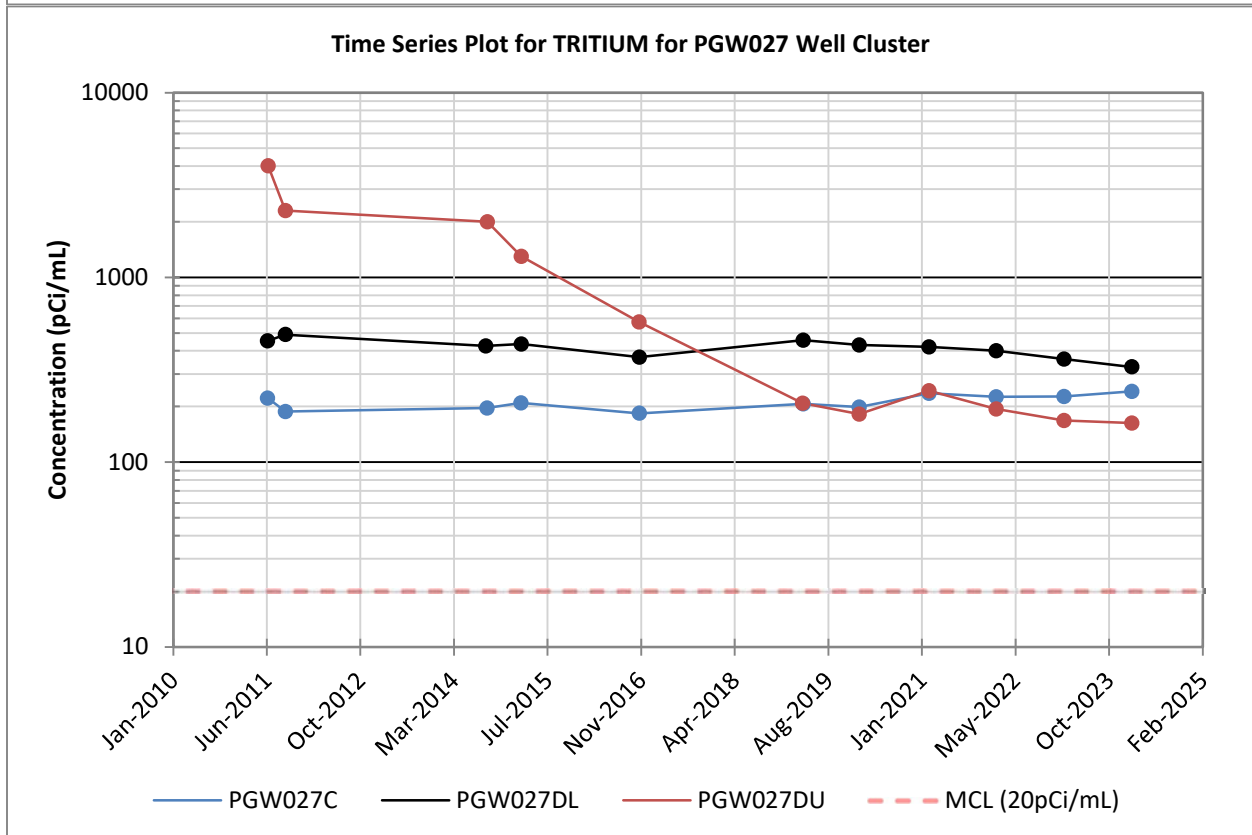
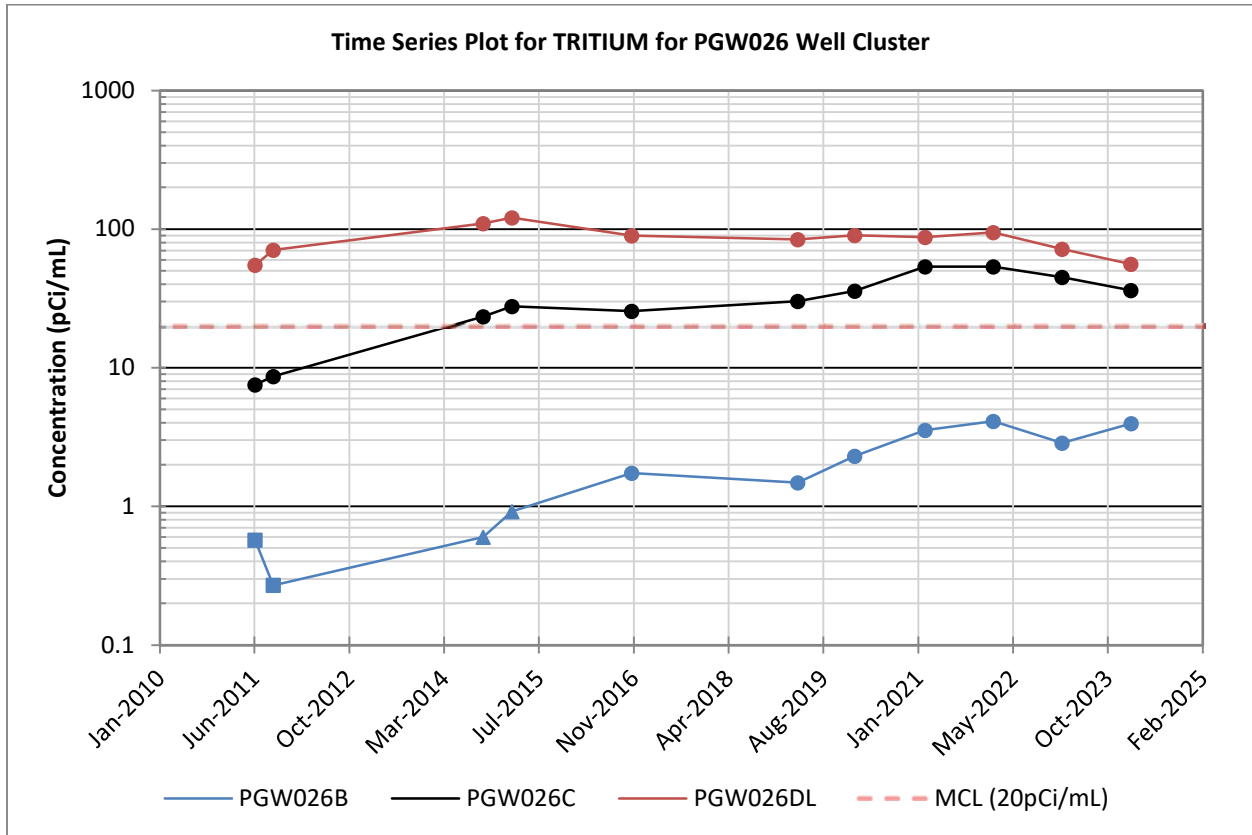


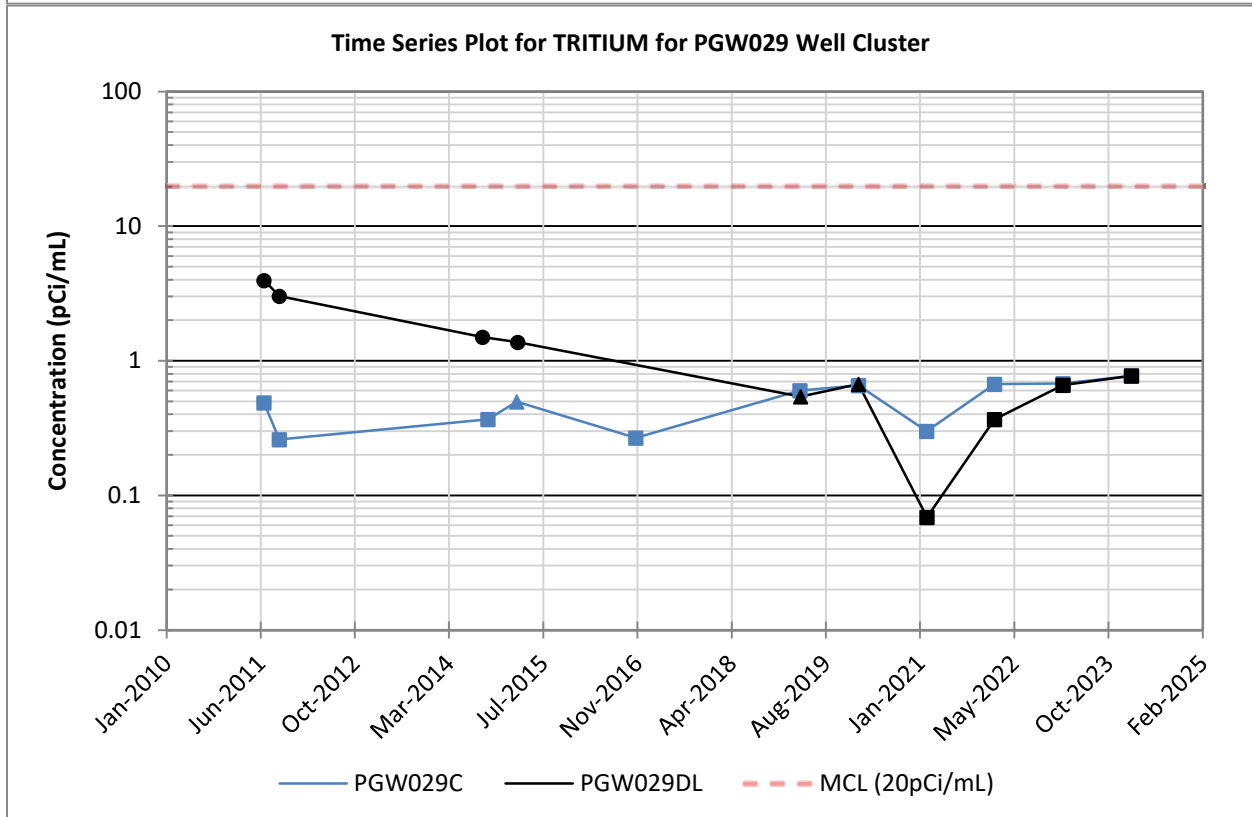
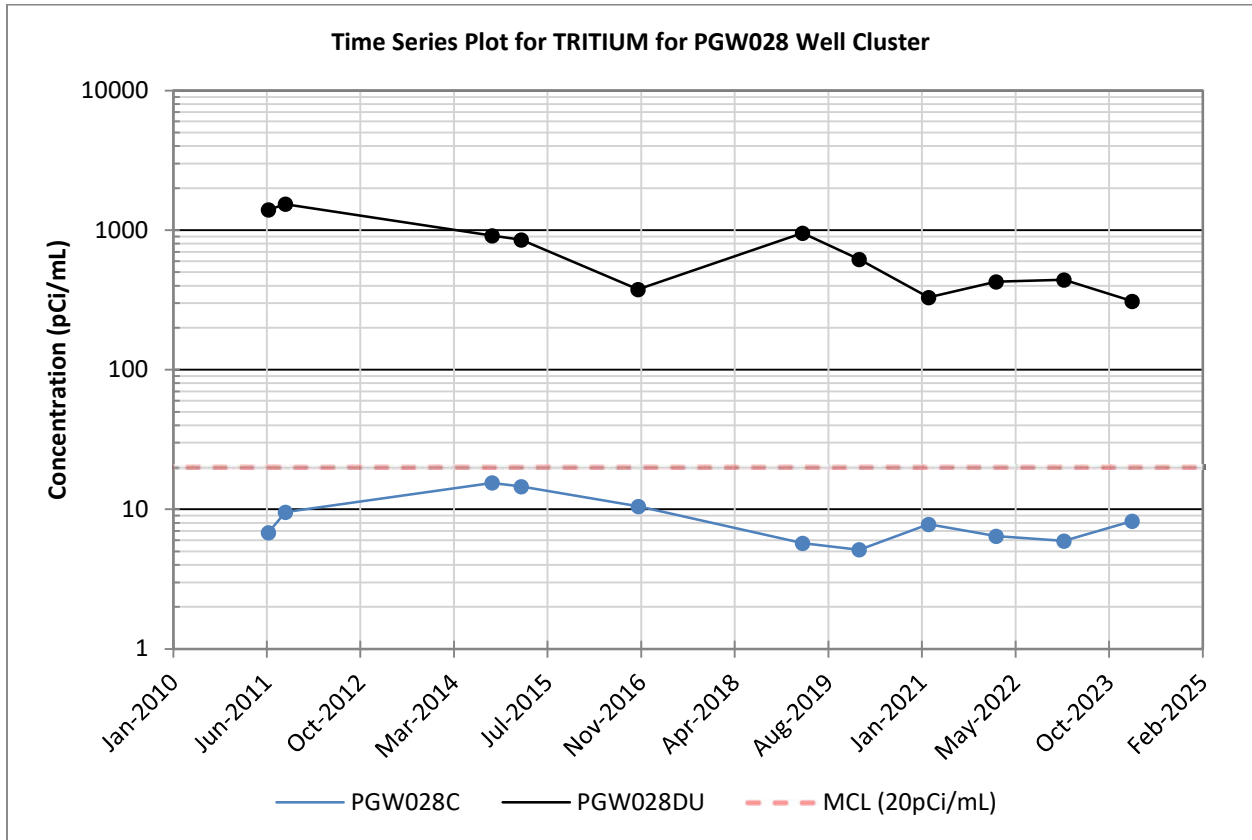


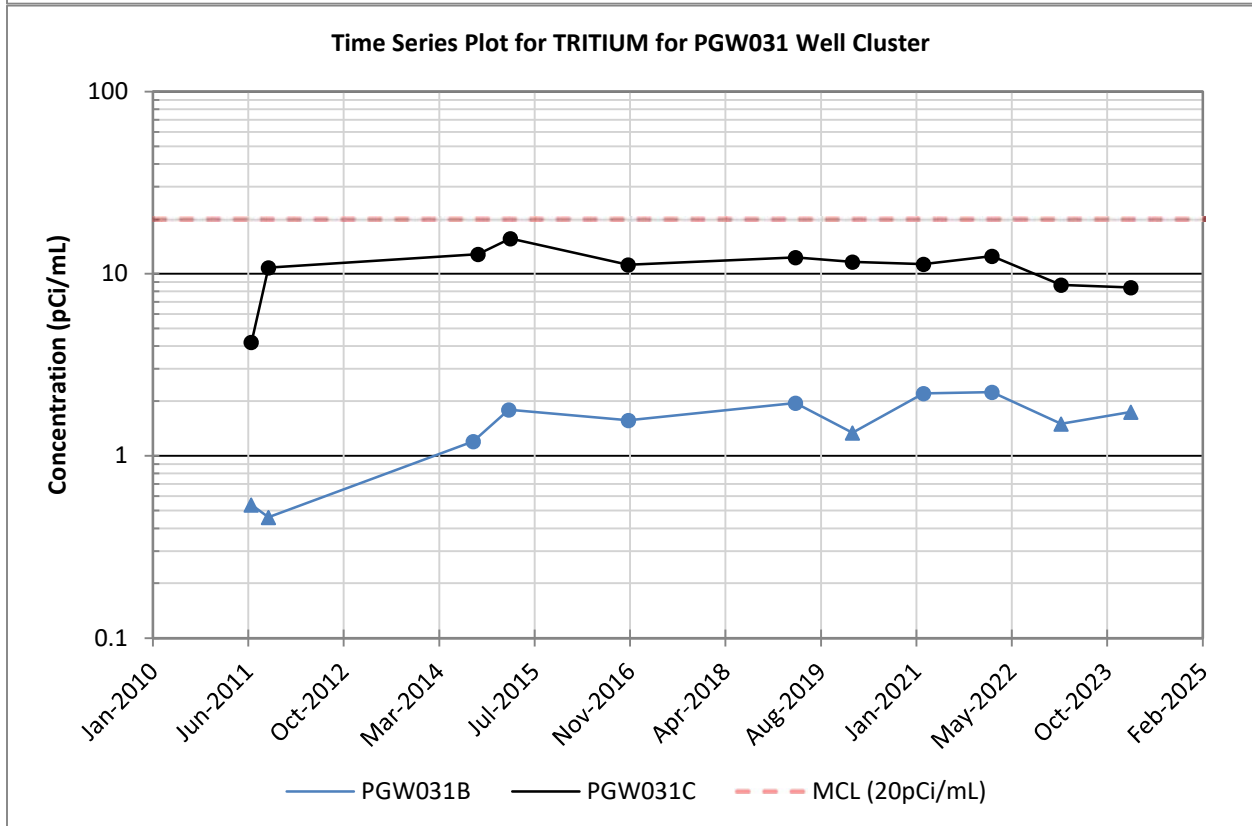
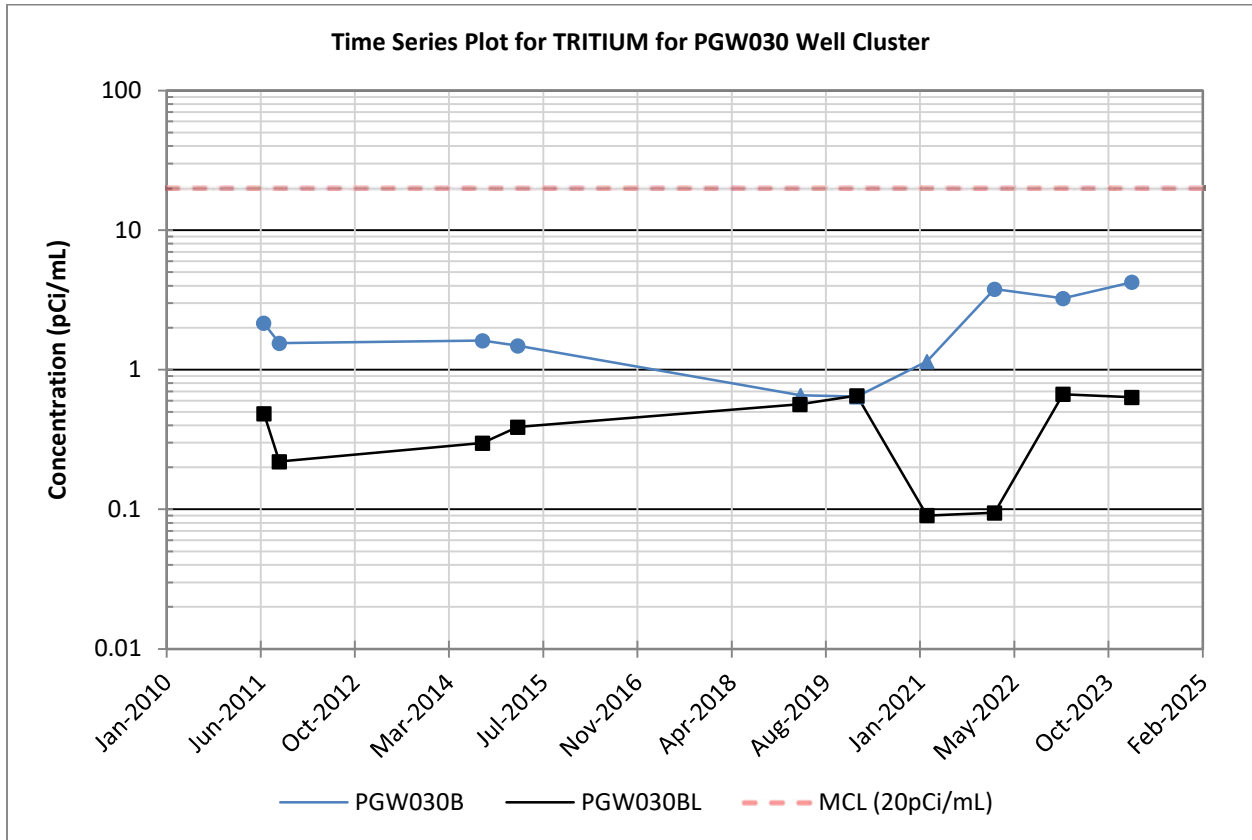


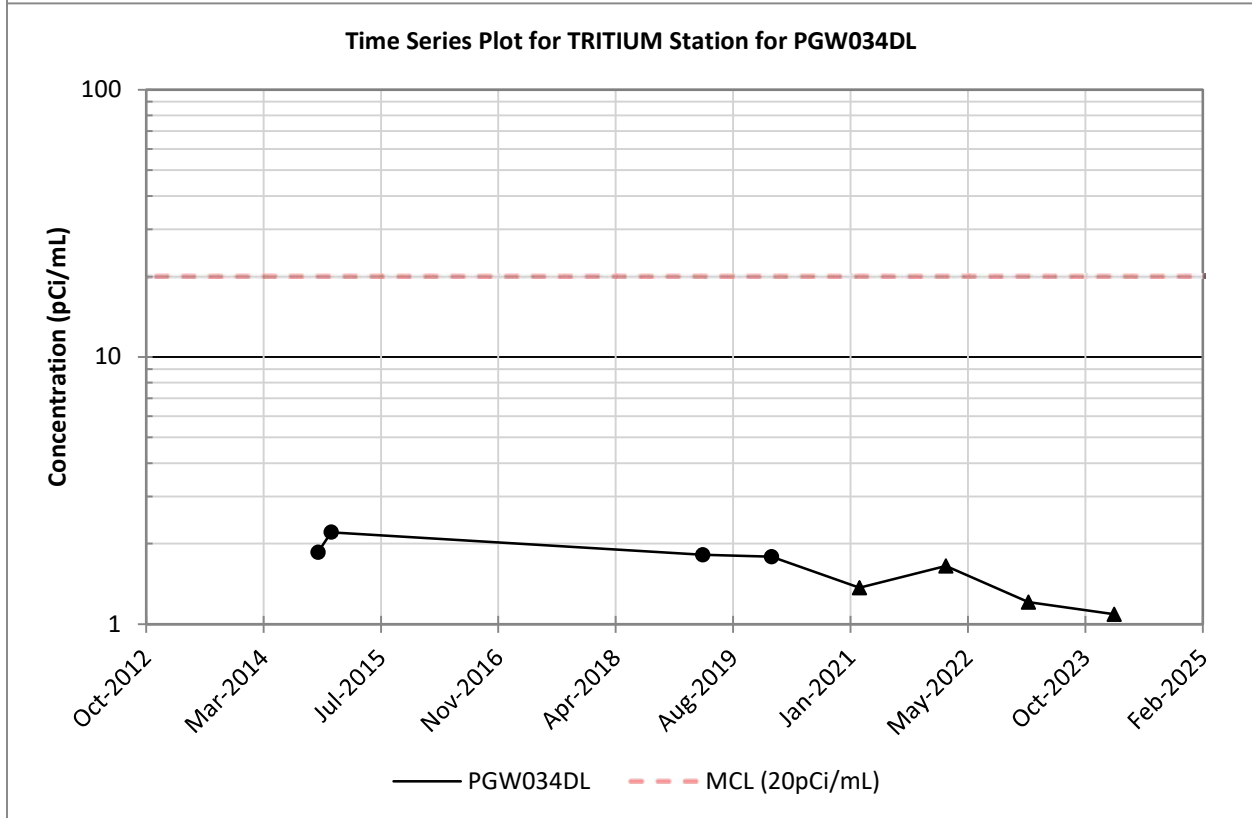
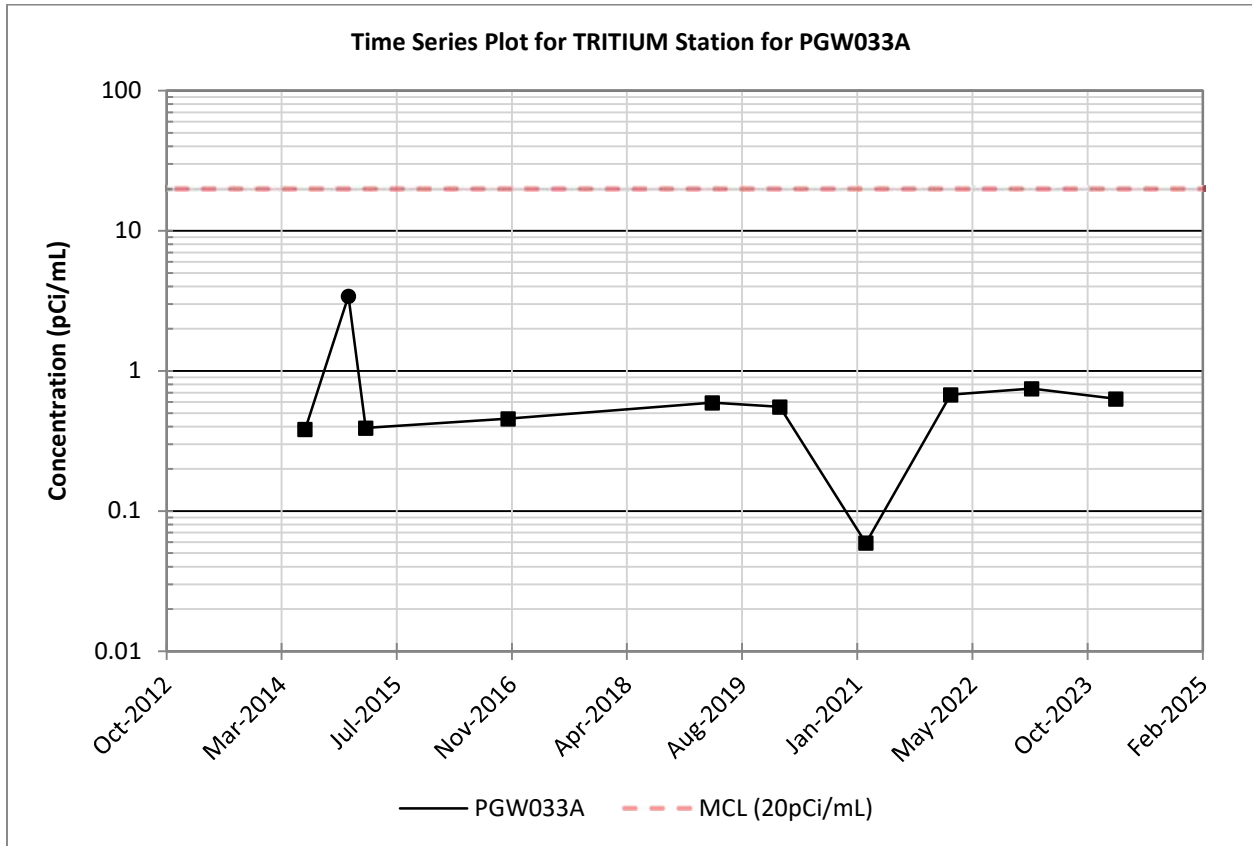


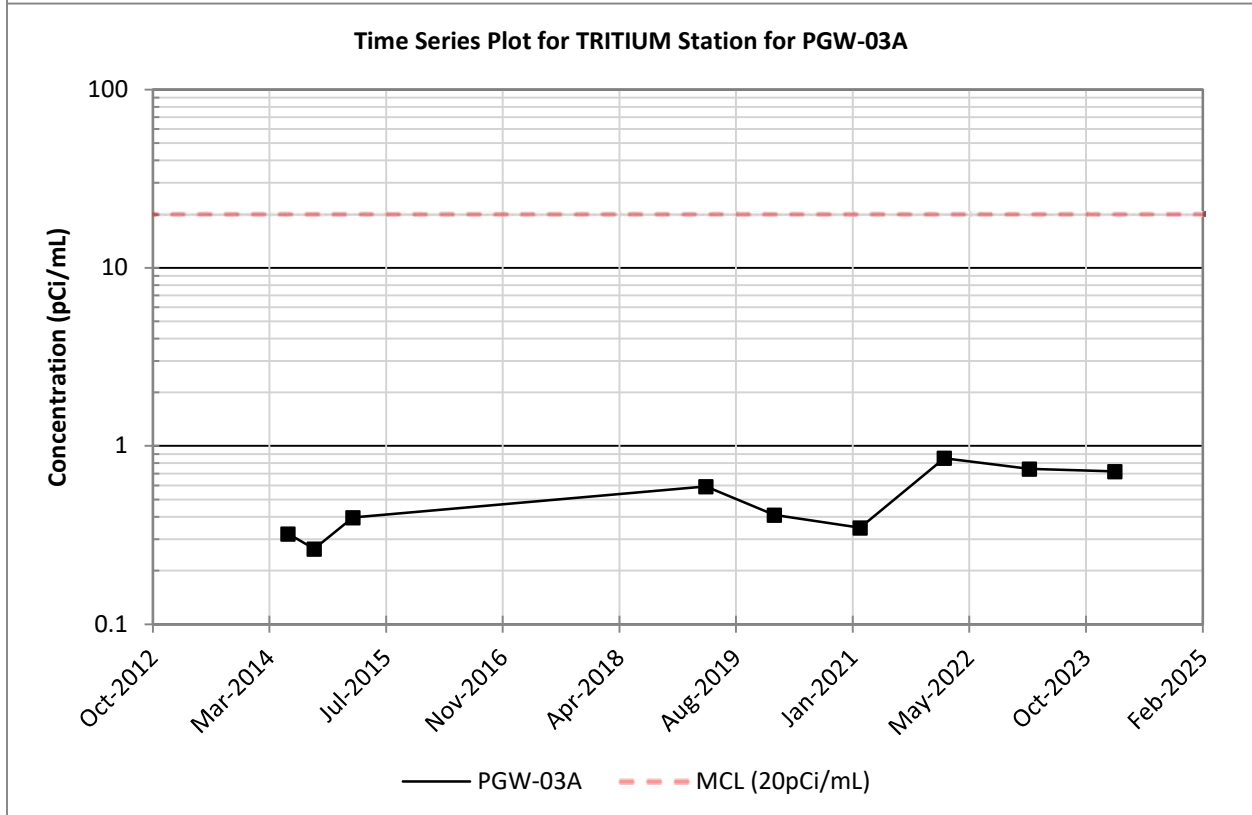
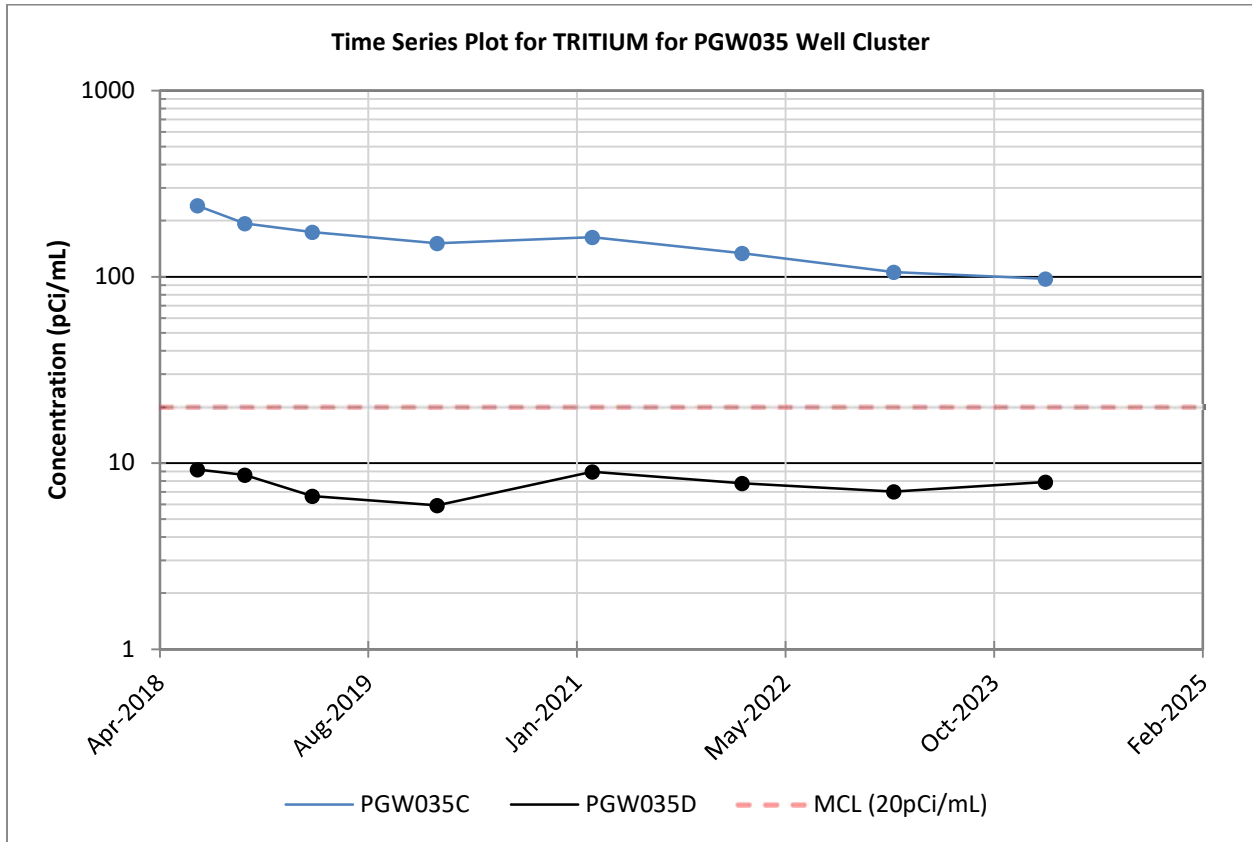


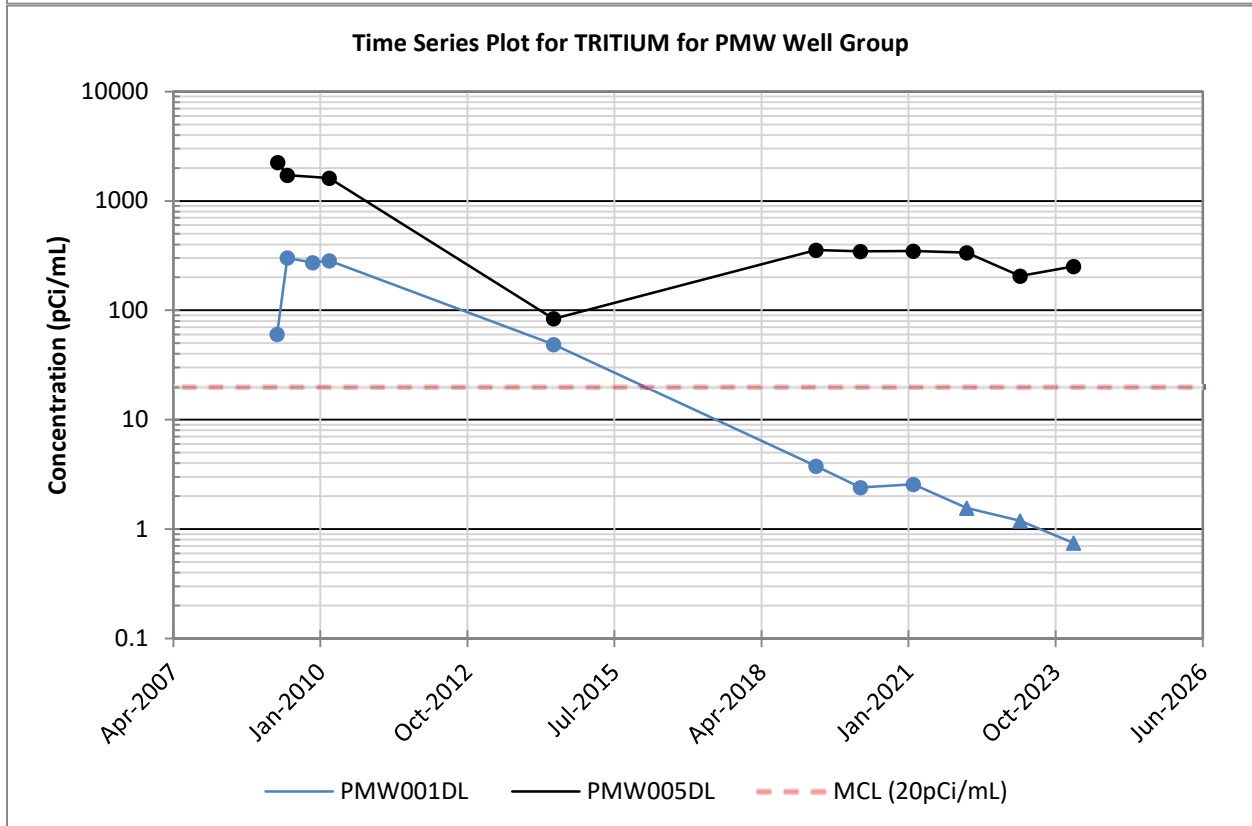
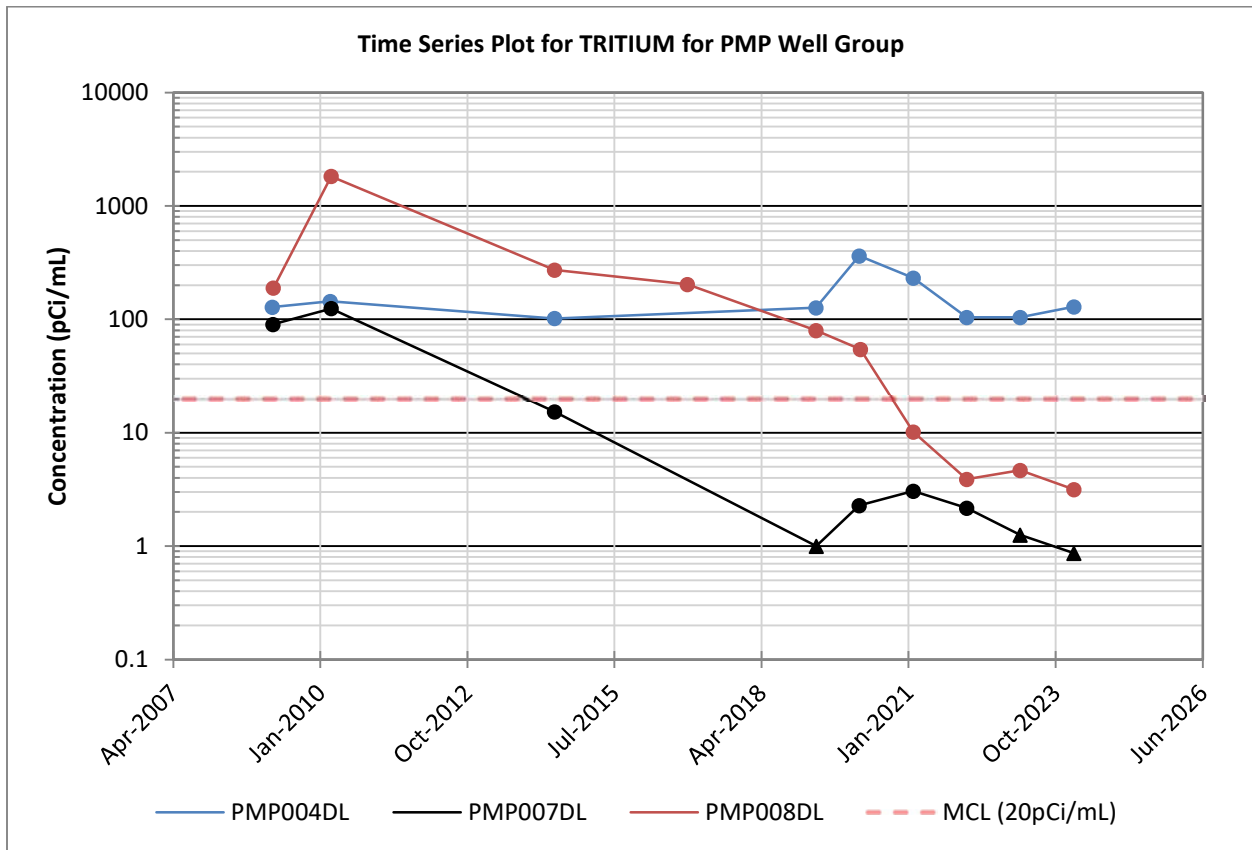


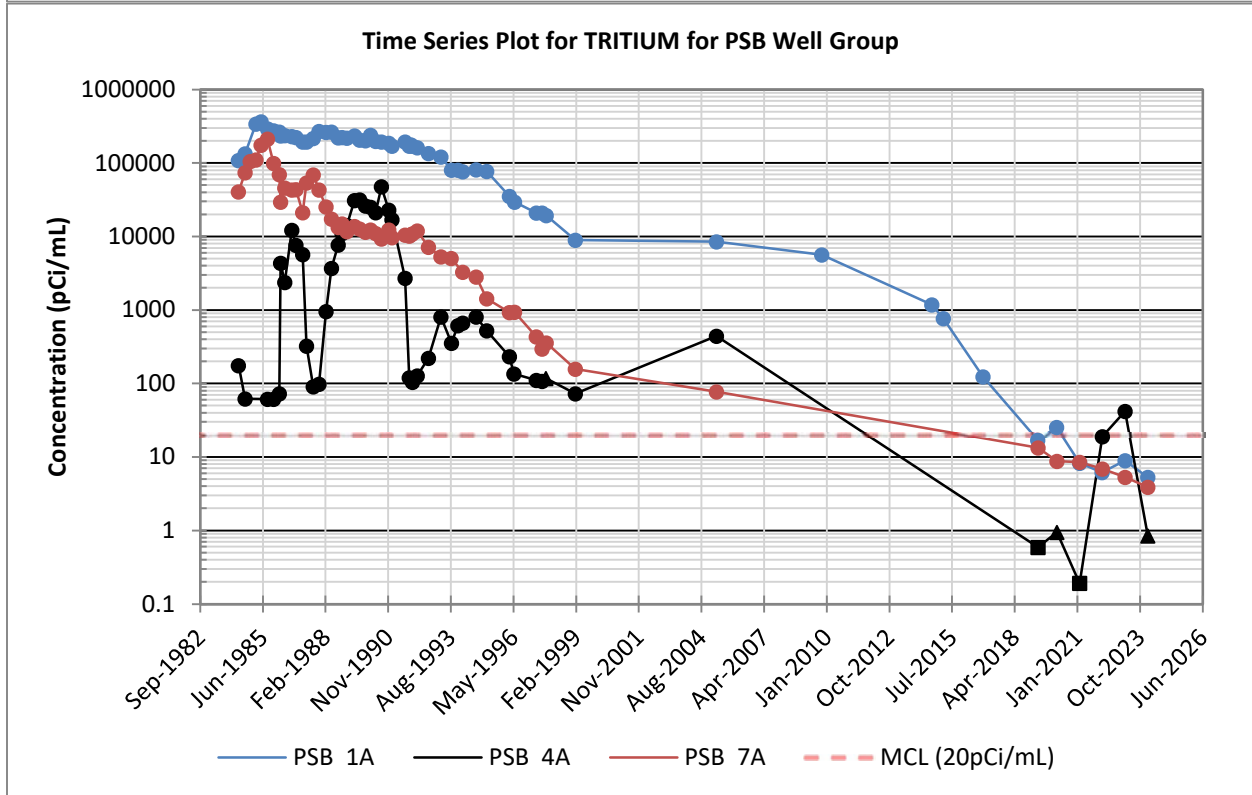
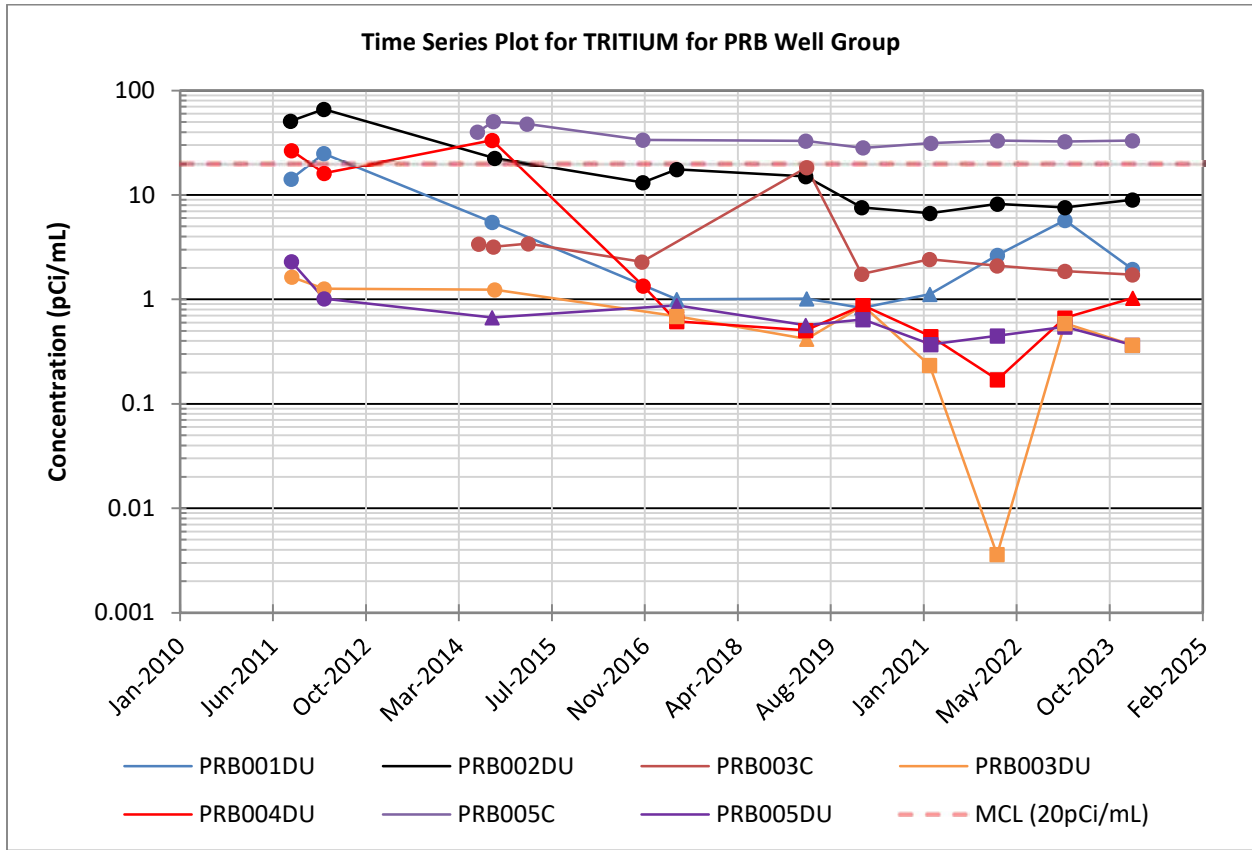


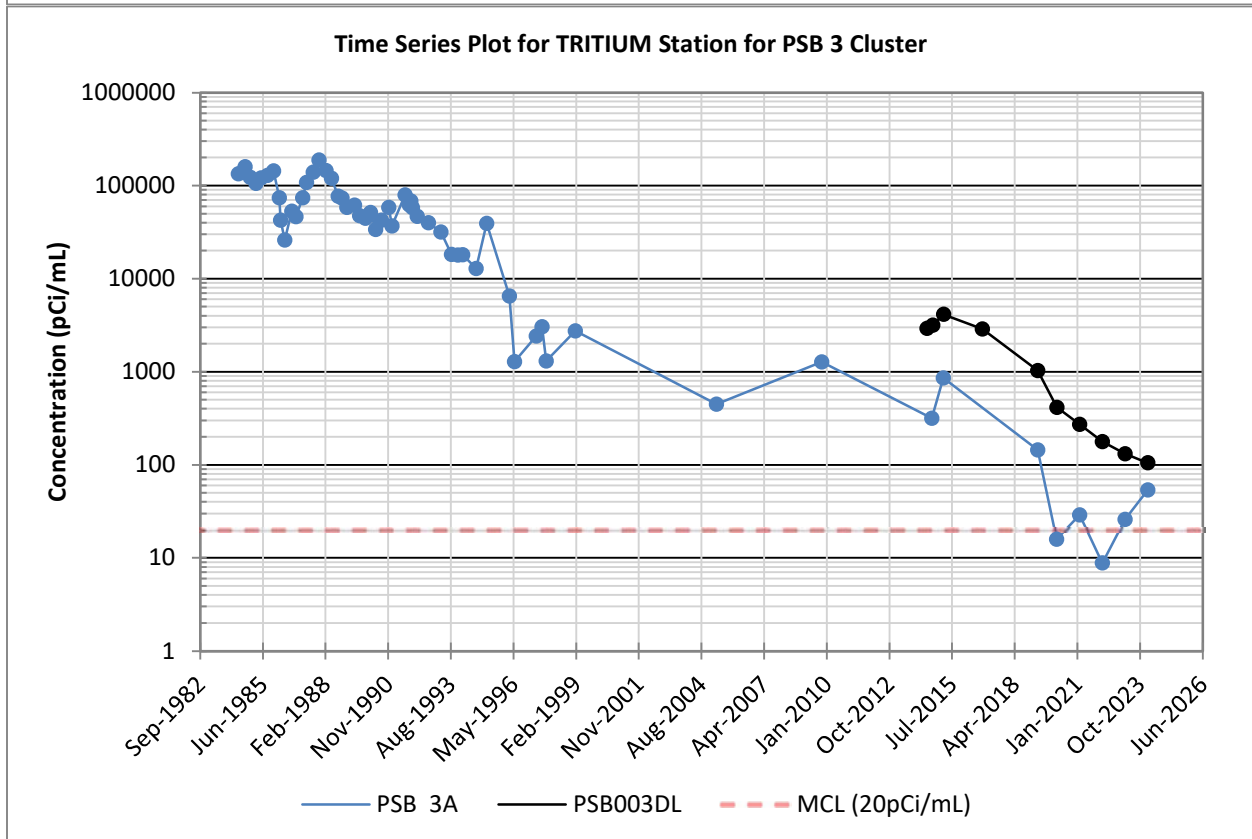
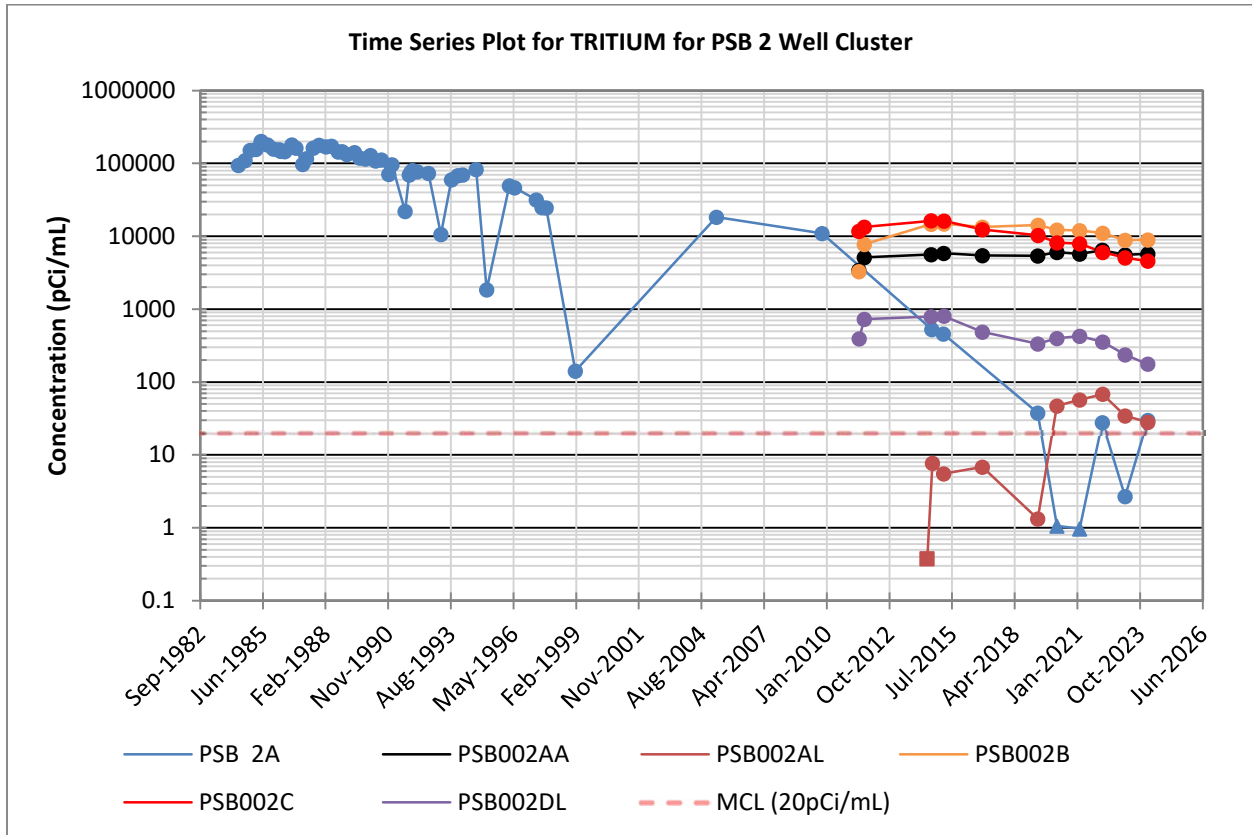


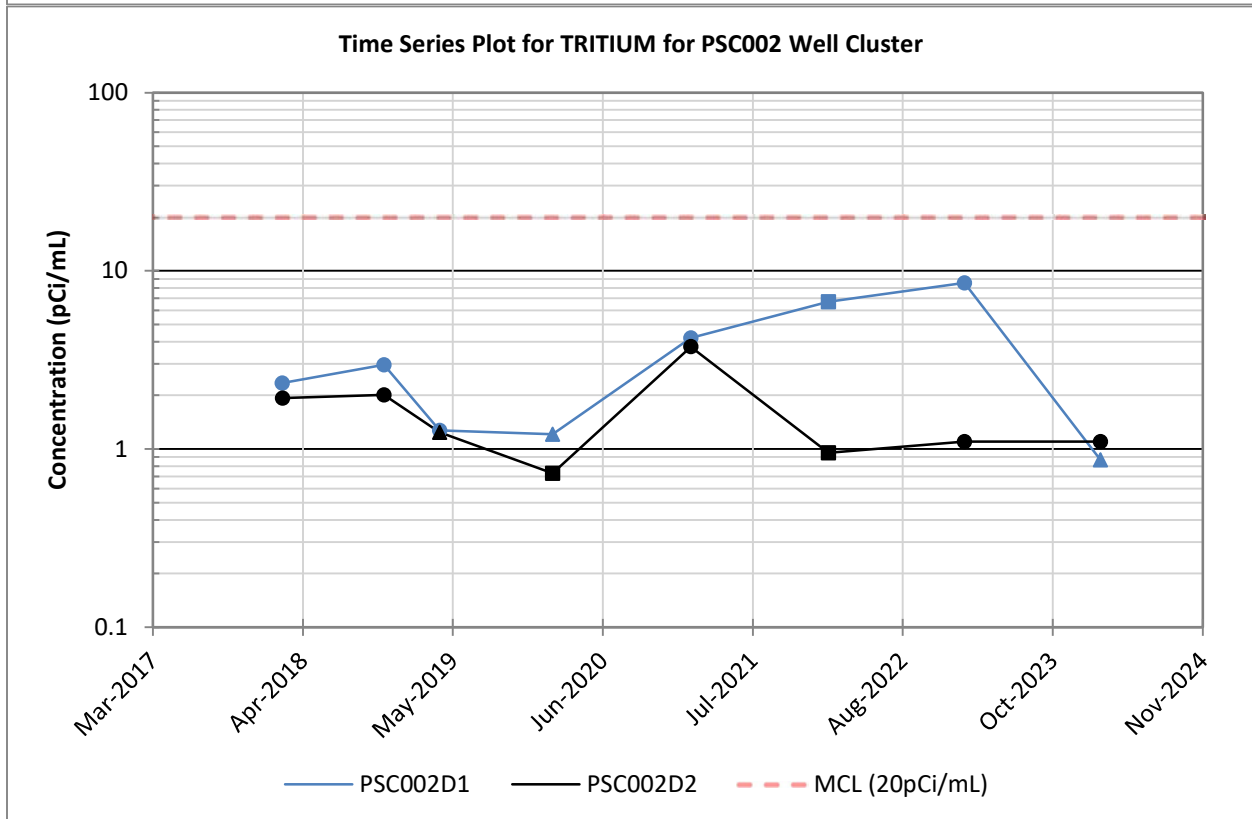
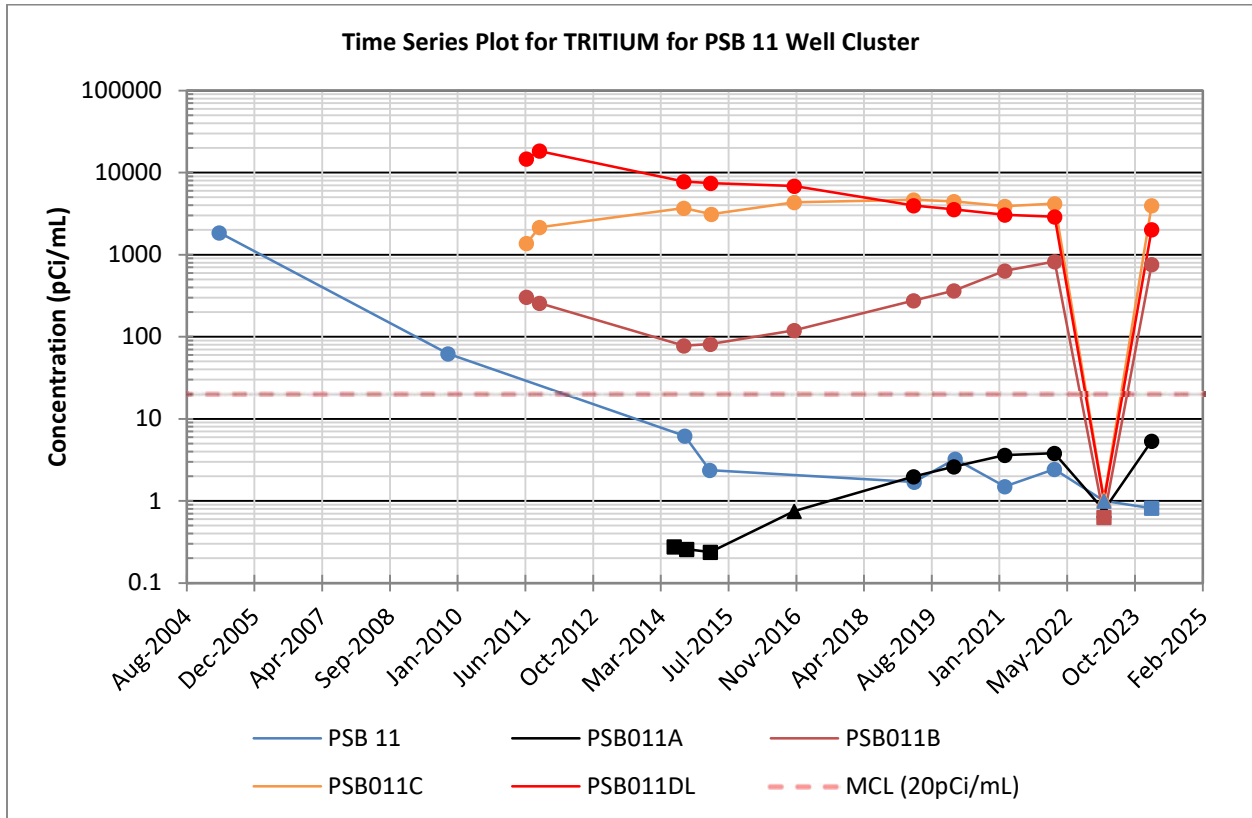


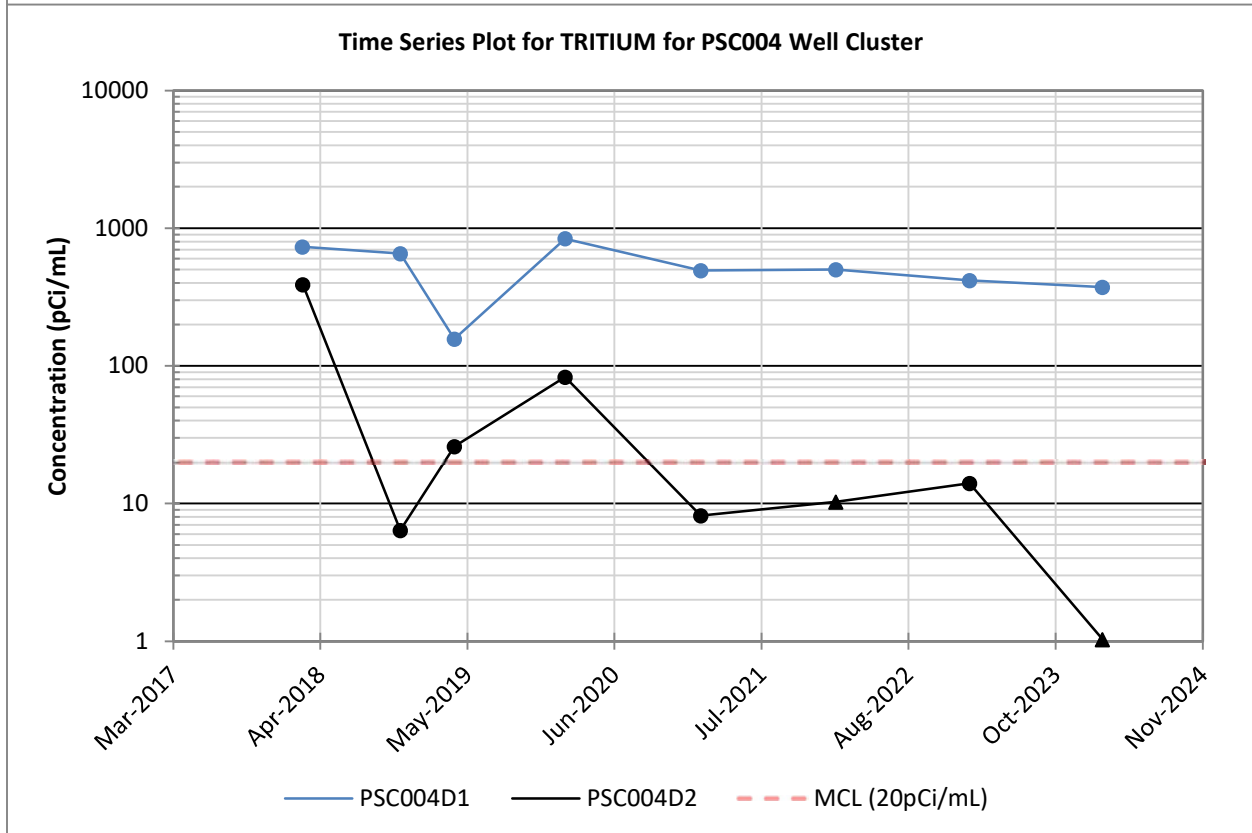
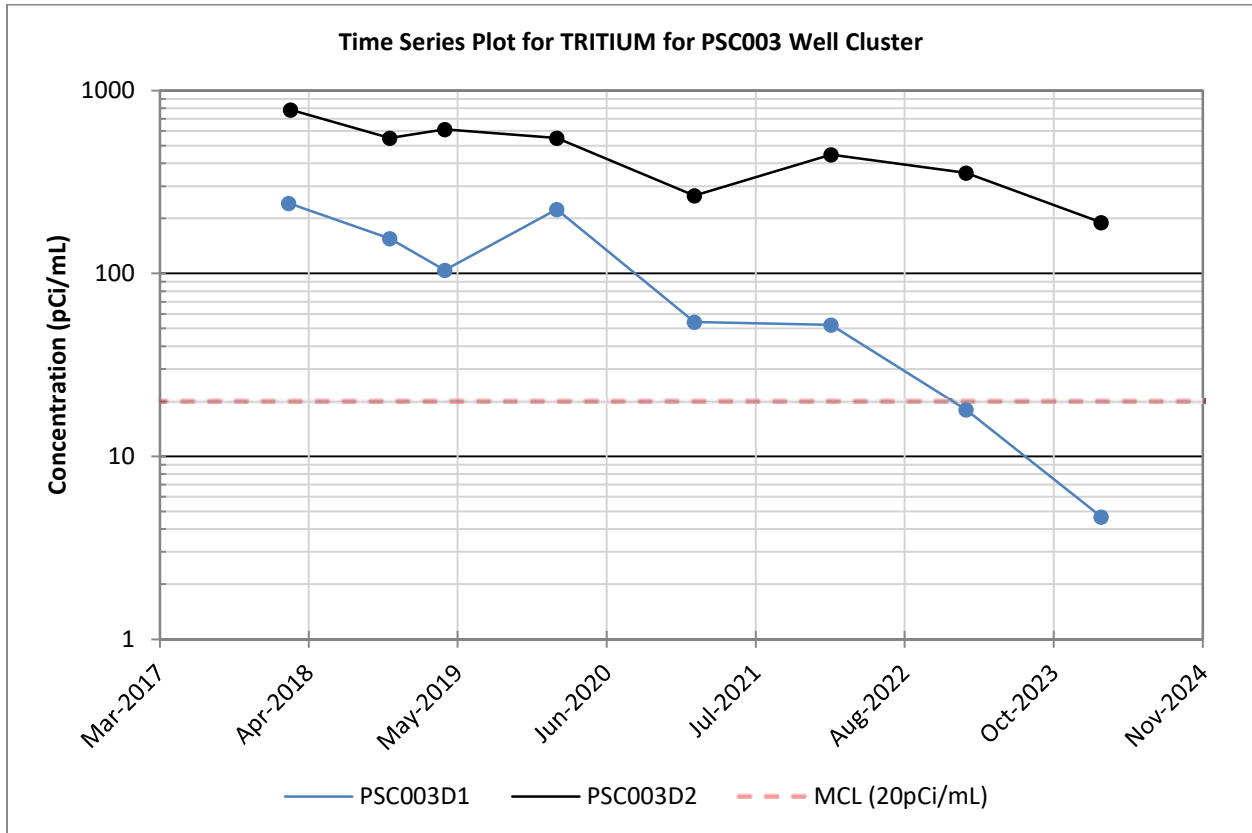


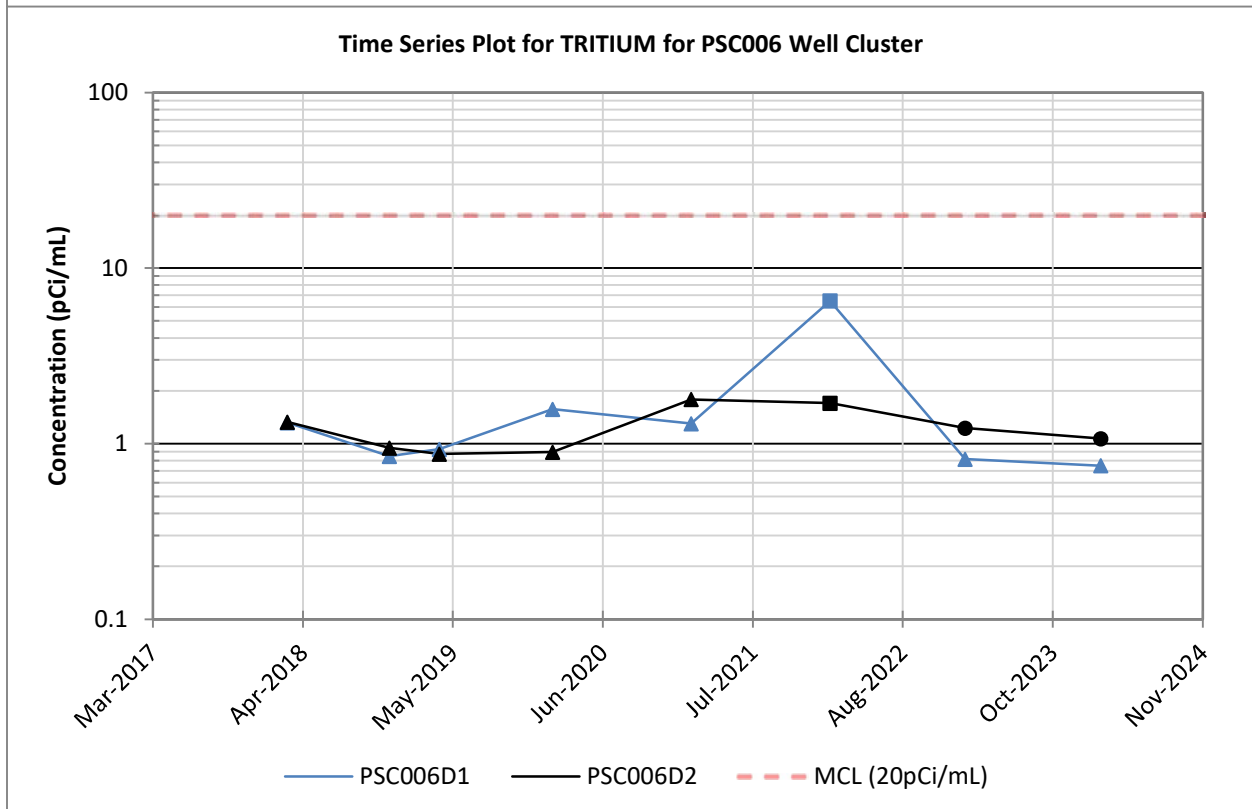
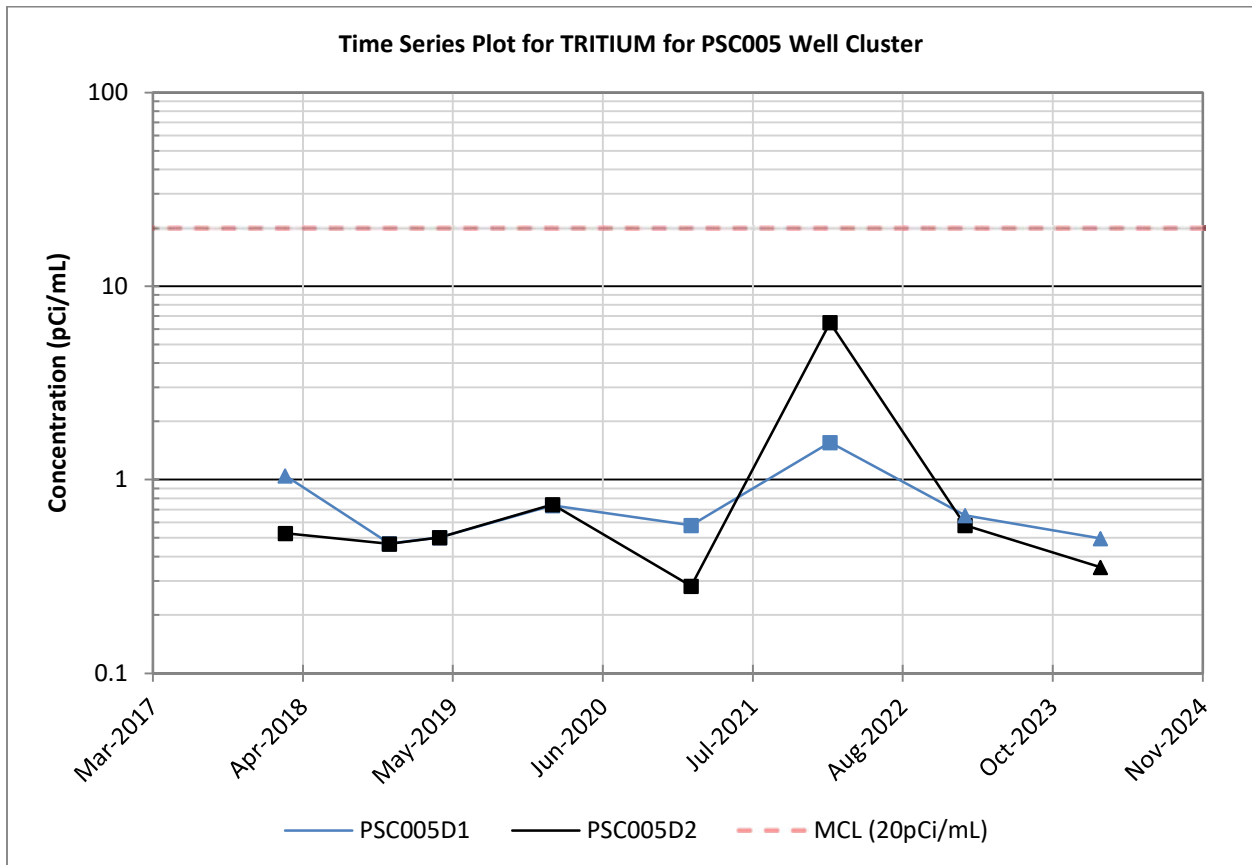


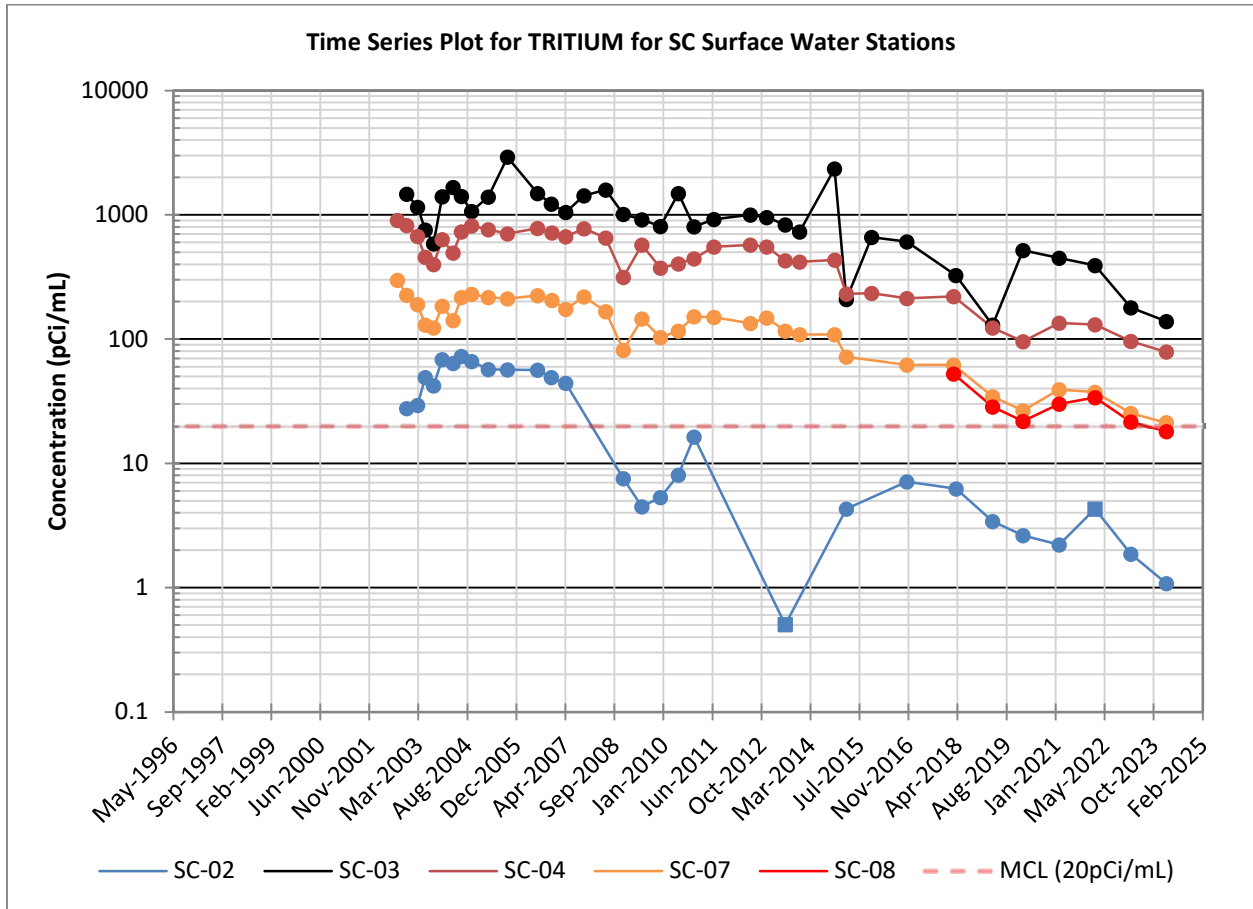










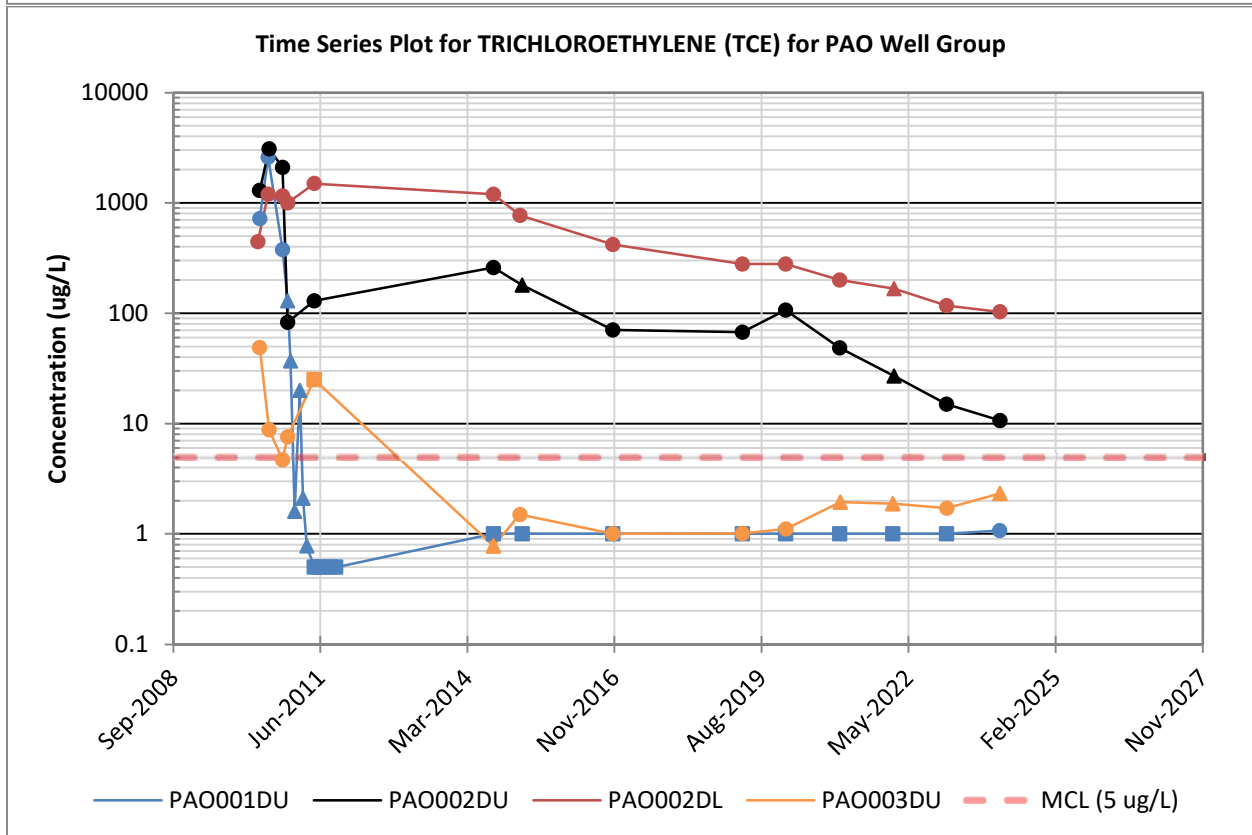
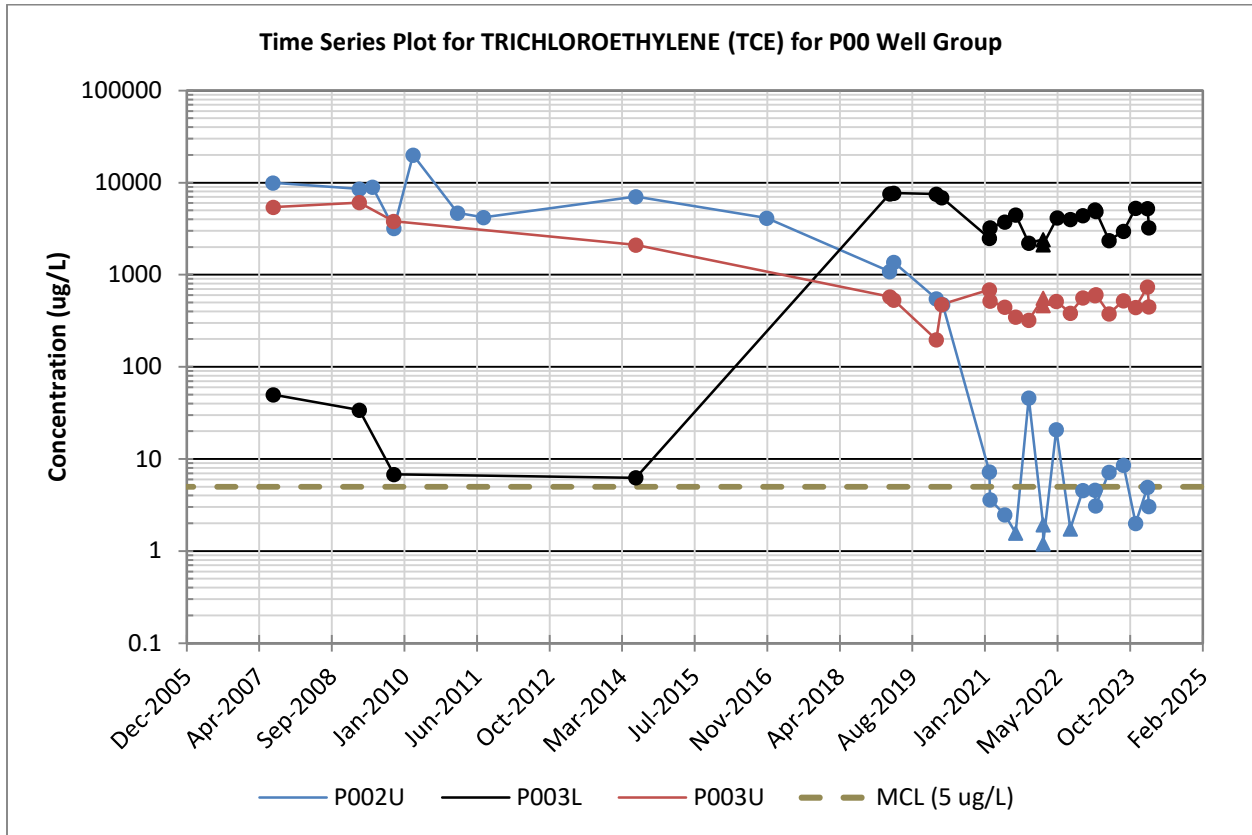


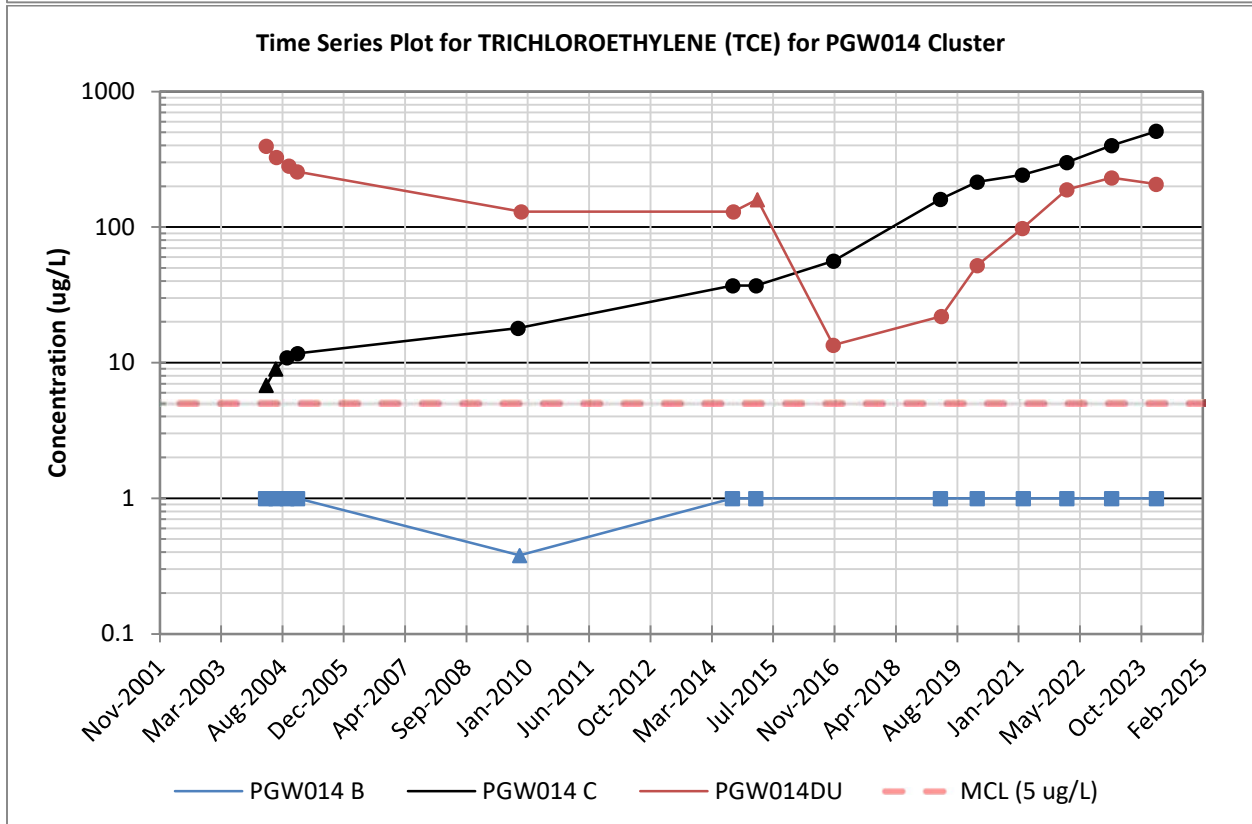
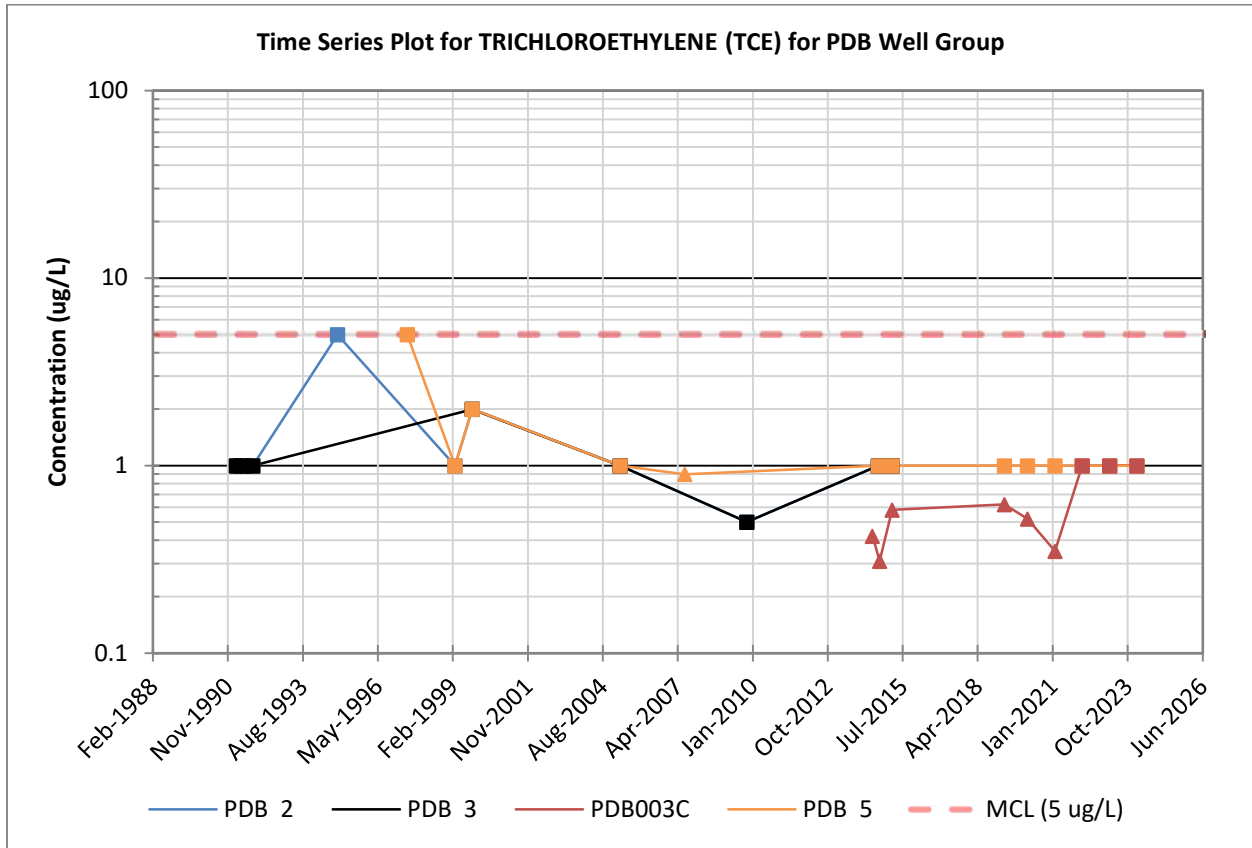
APPENDIX C.2

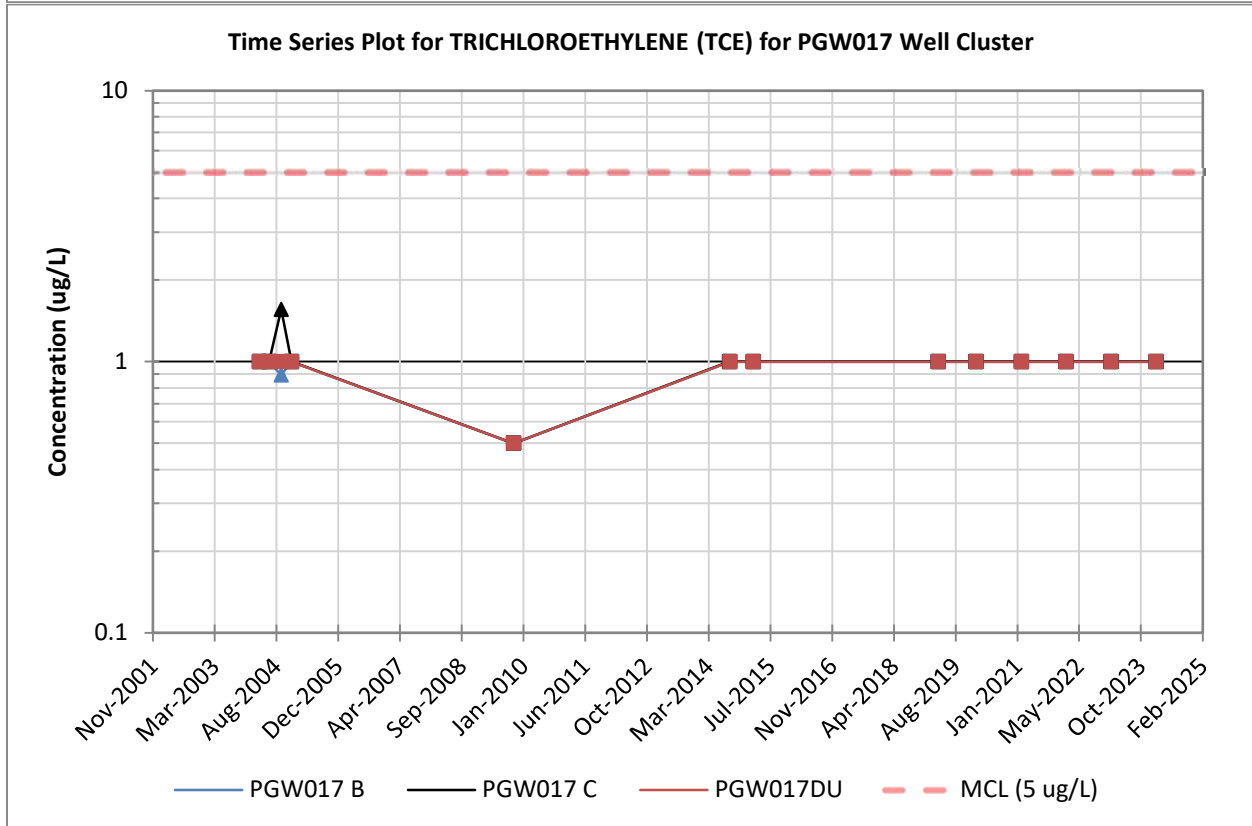
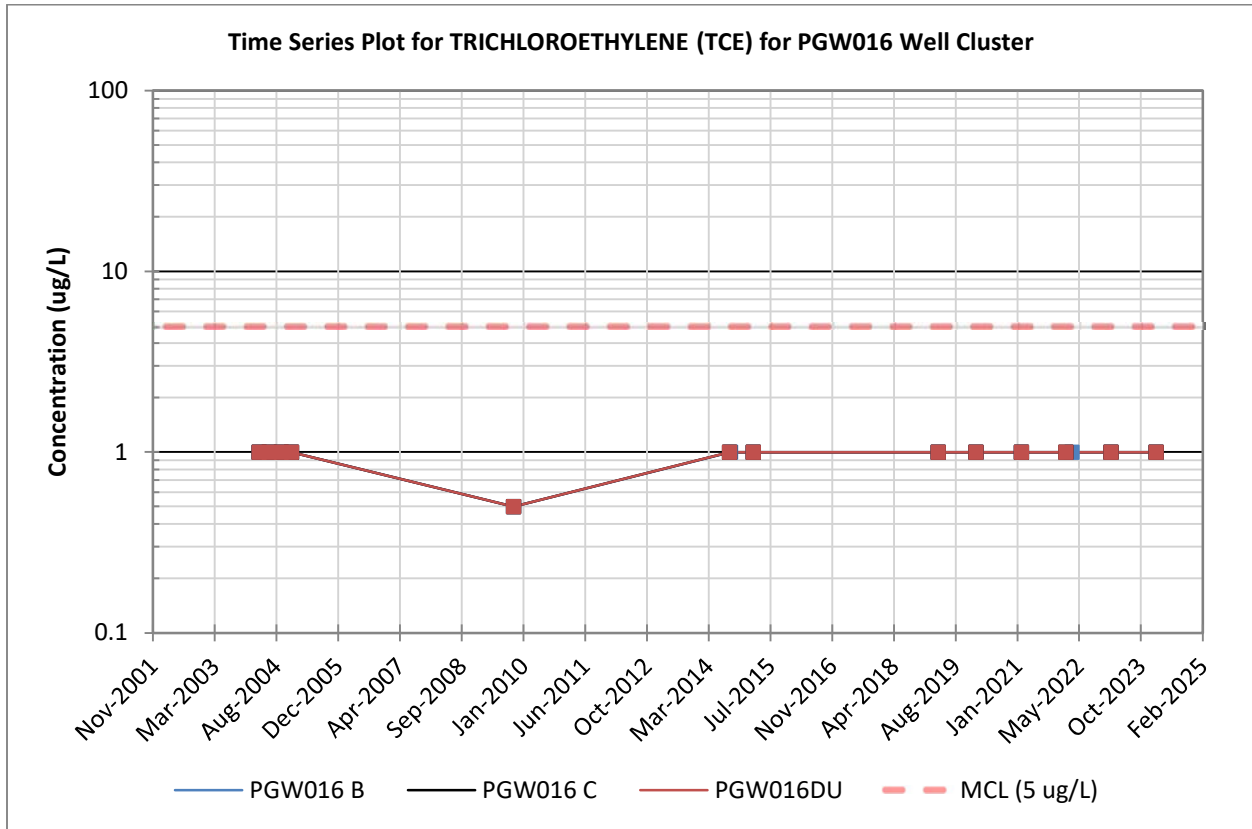
TRICHLOROETHYLENE TIME-SERIES PLOTS

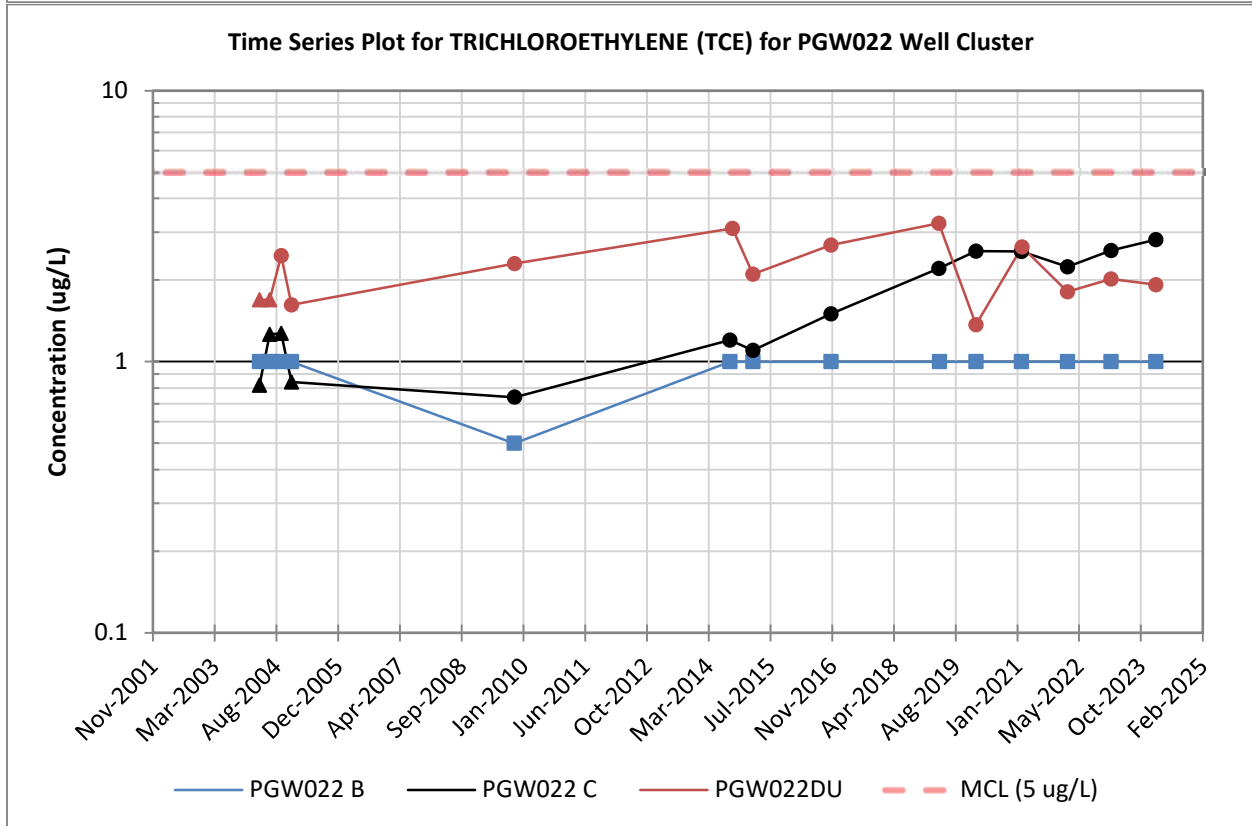
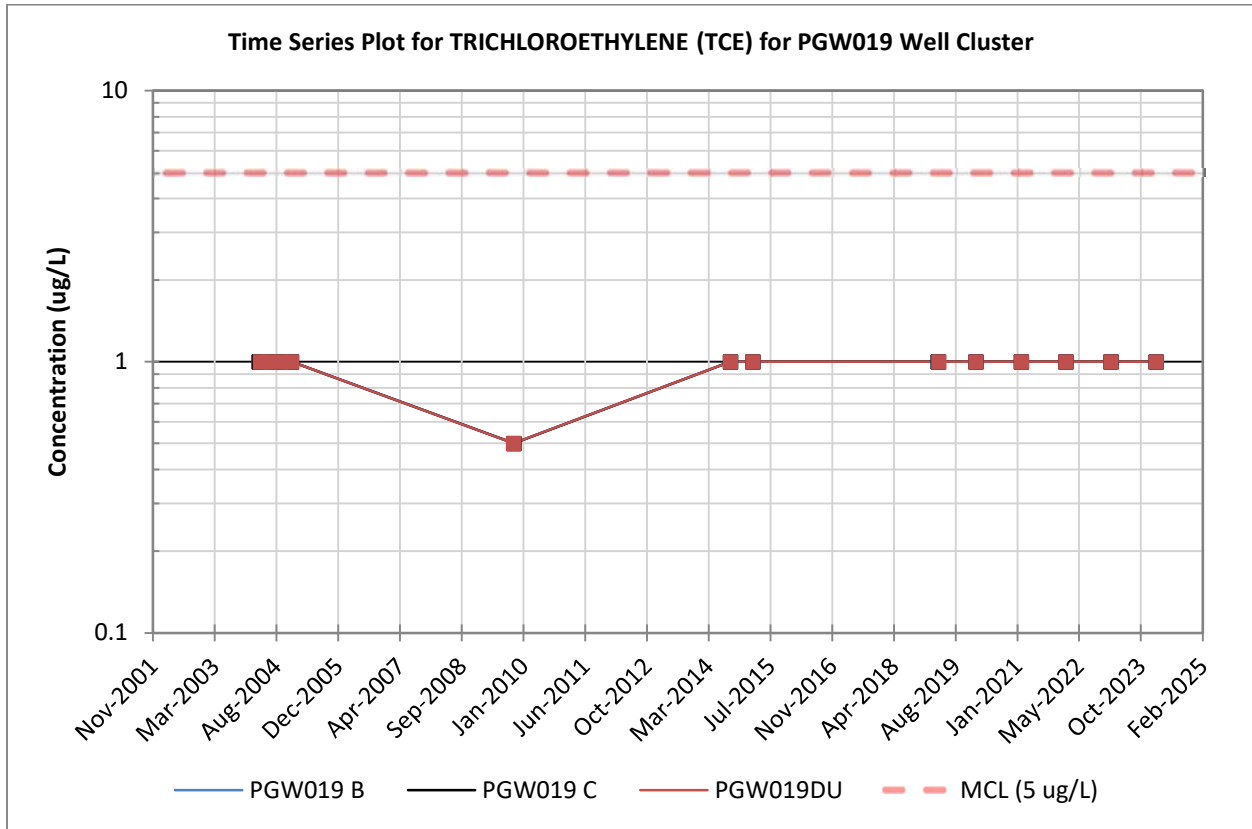
For all time-series plots, samples qualified J have triangle markers, samples qualified U or UJ have square markers, and samples with no qualifier have circle markers.

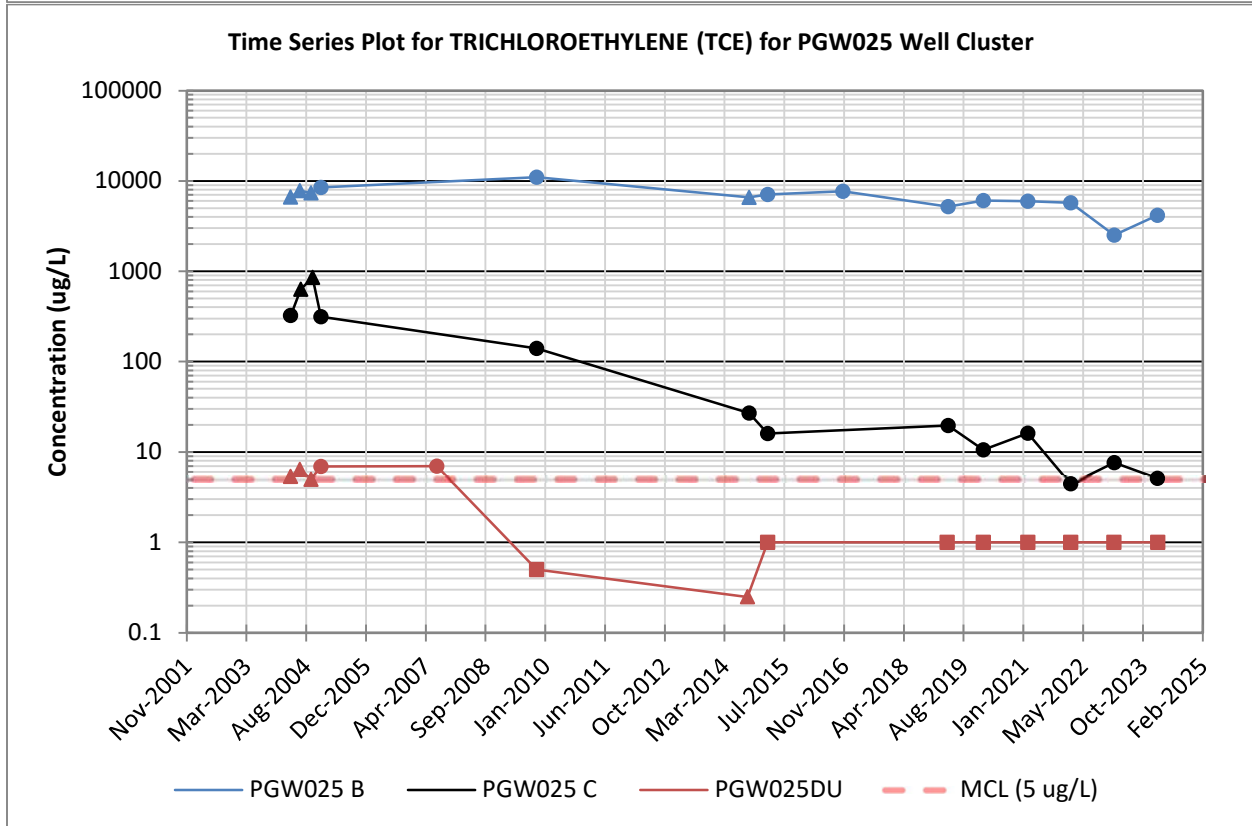
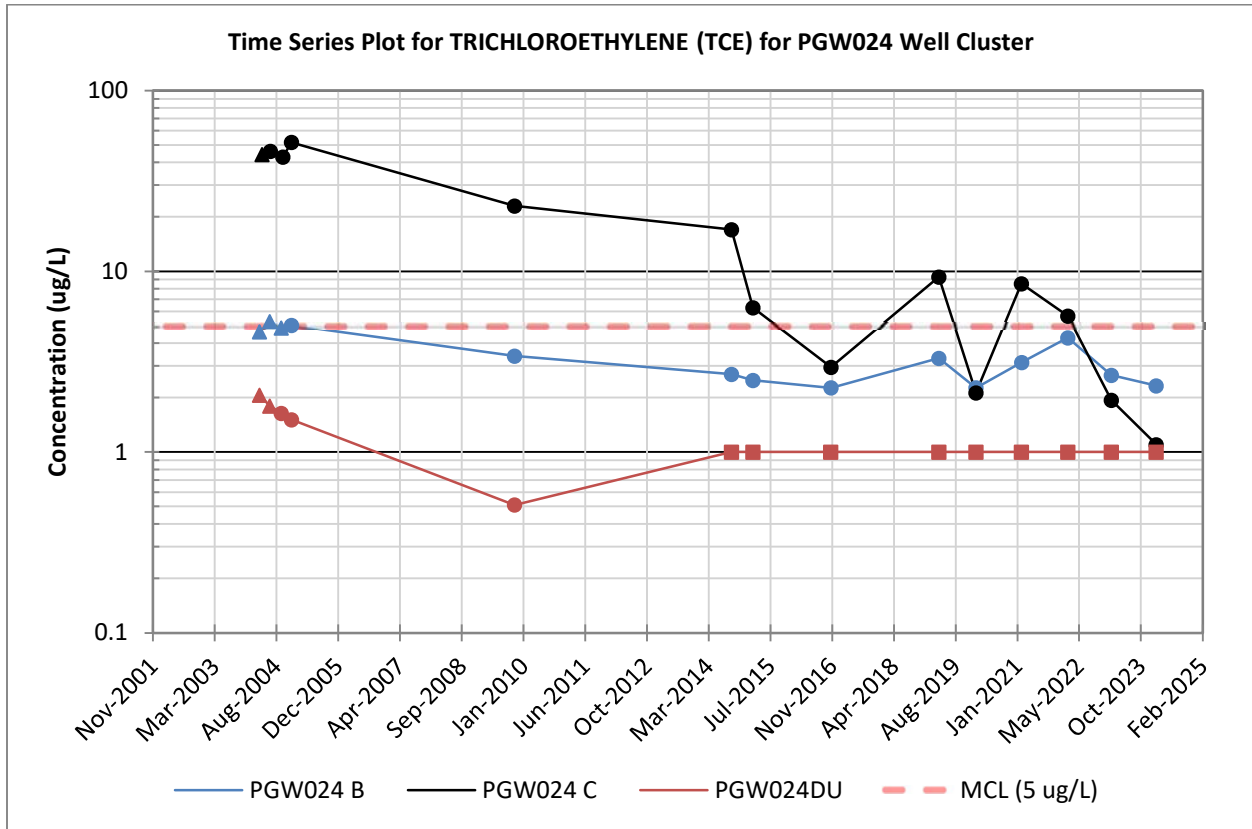
This page intentionally left blank.

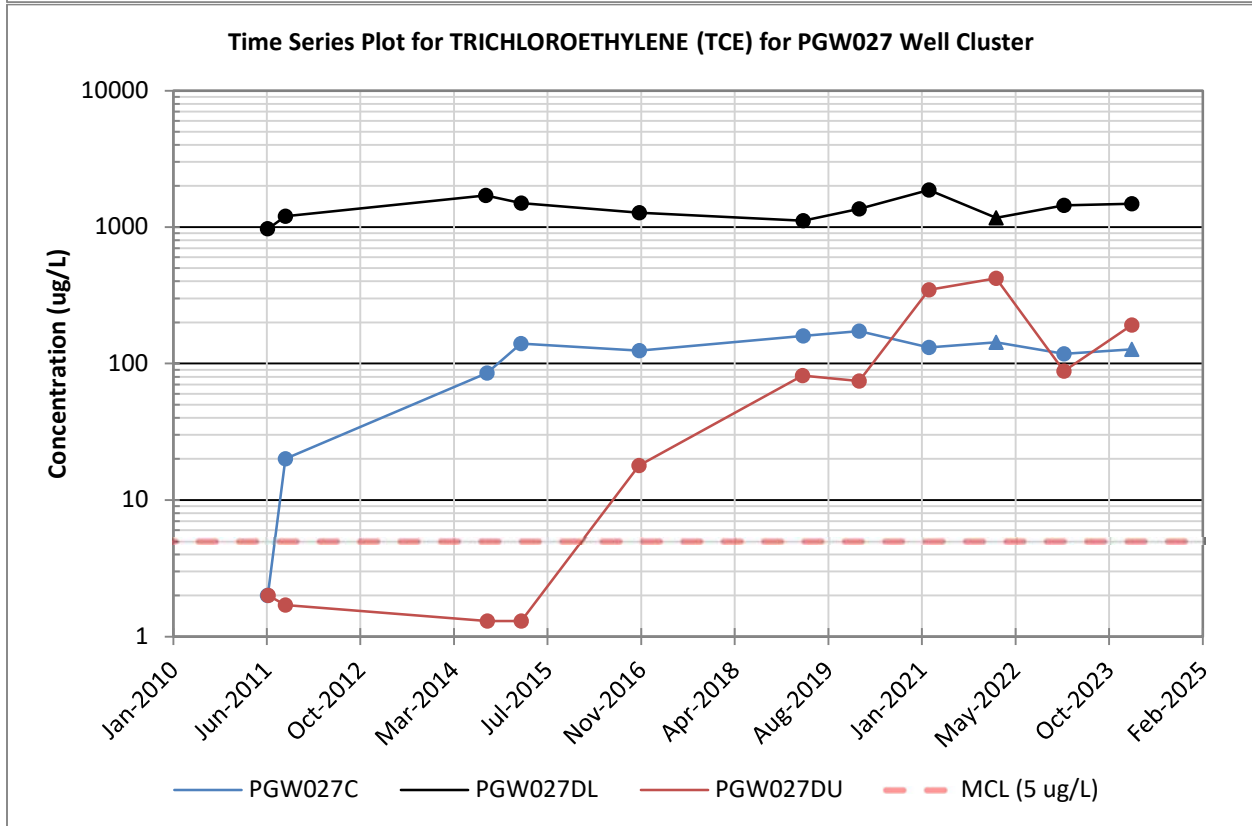
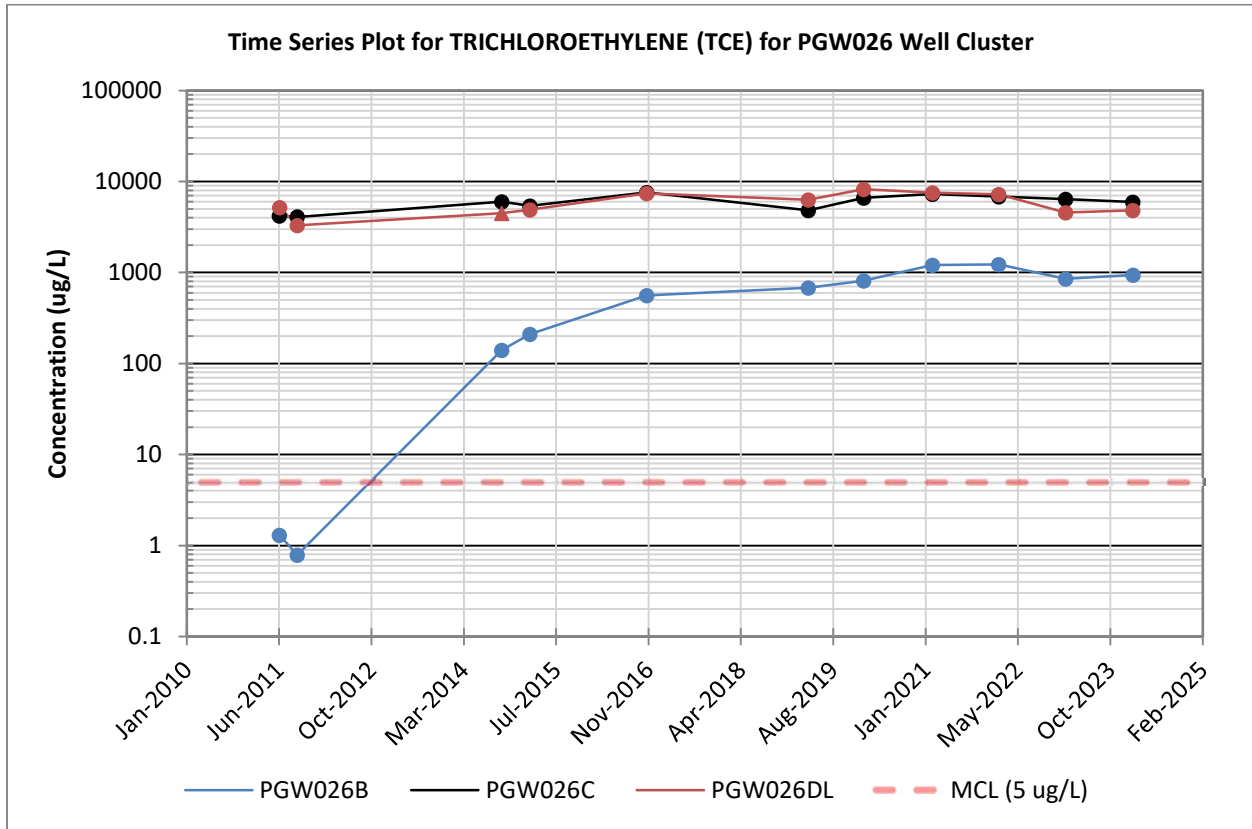


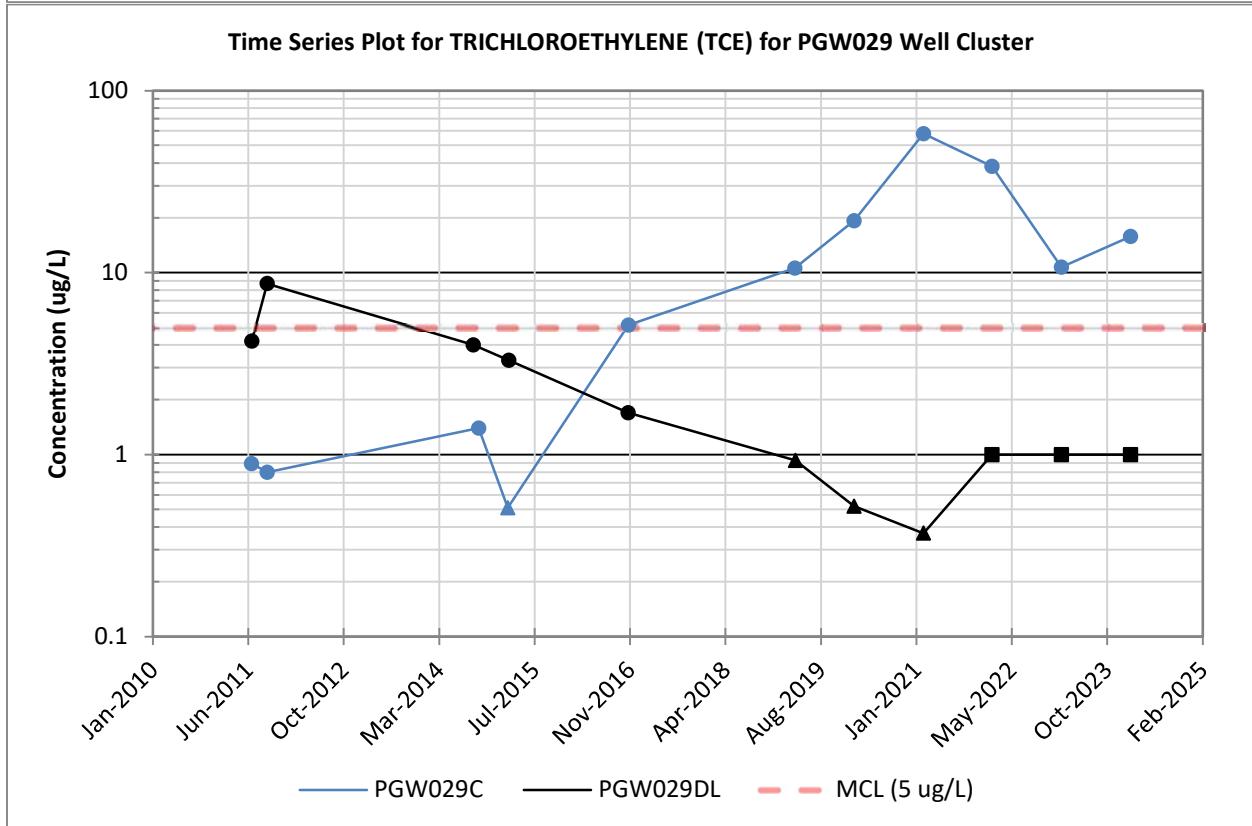
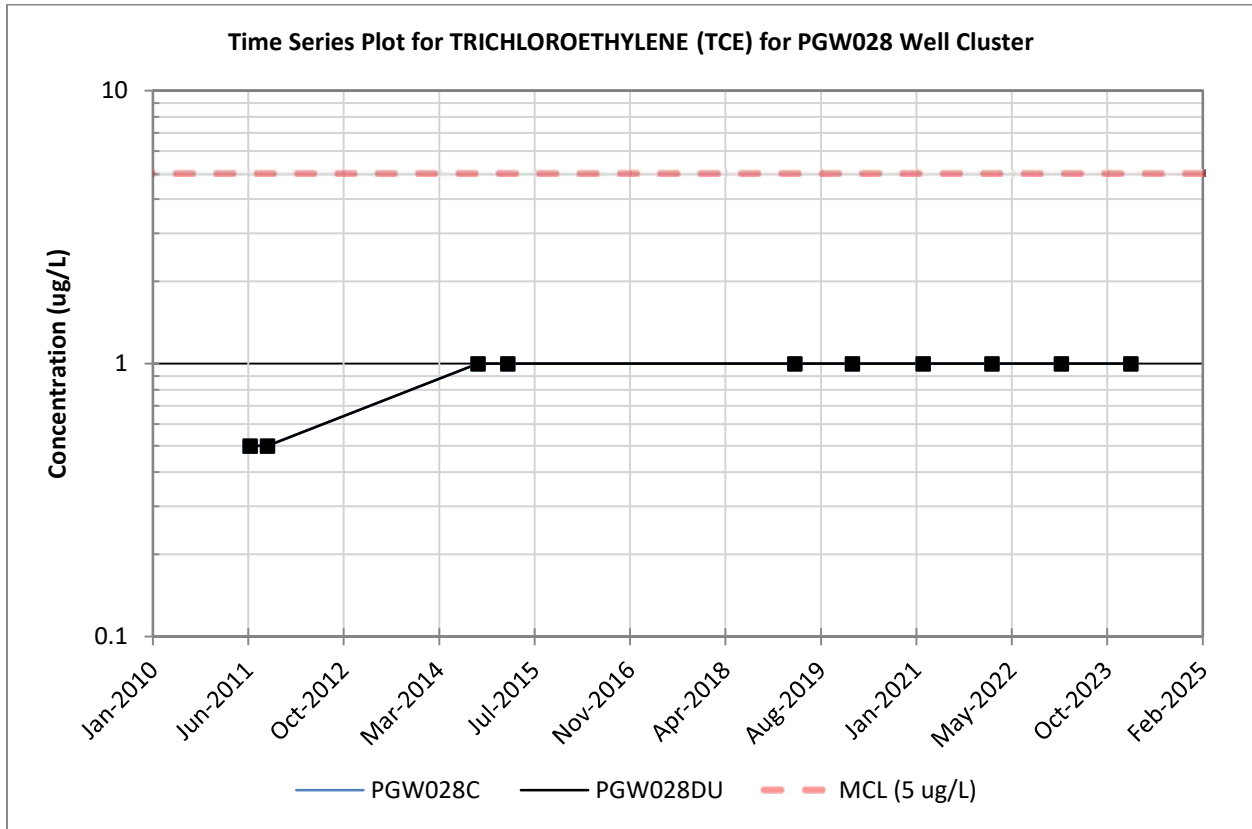


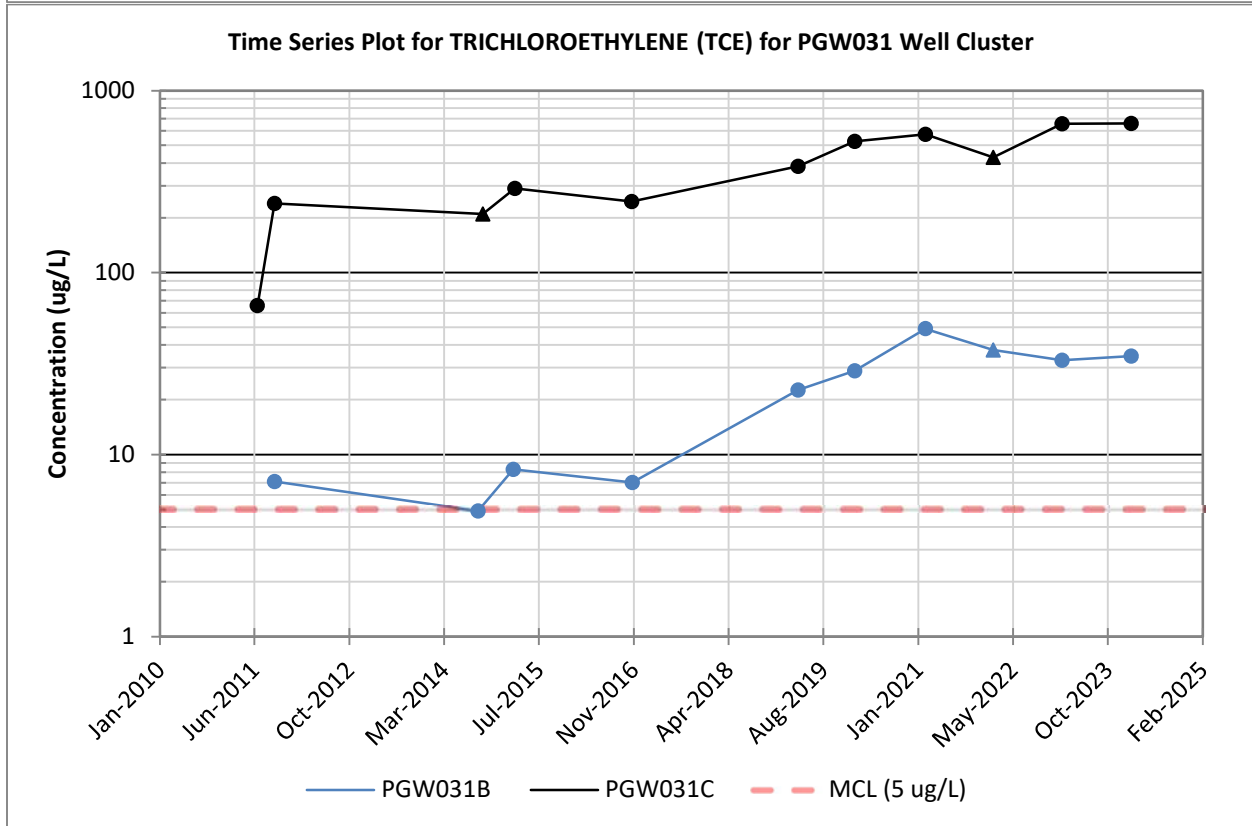
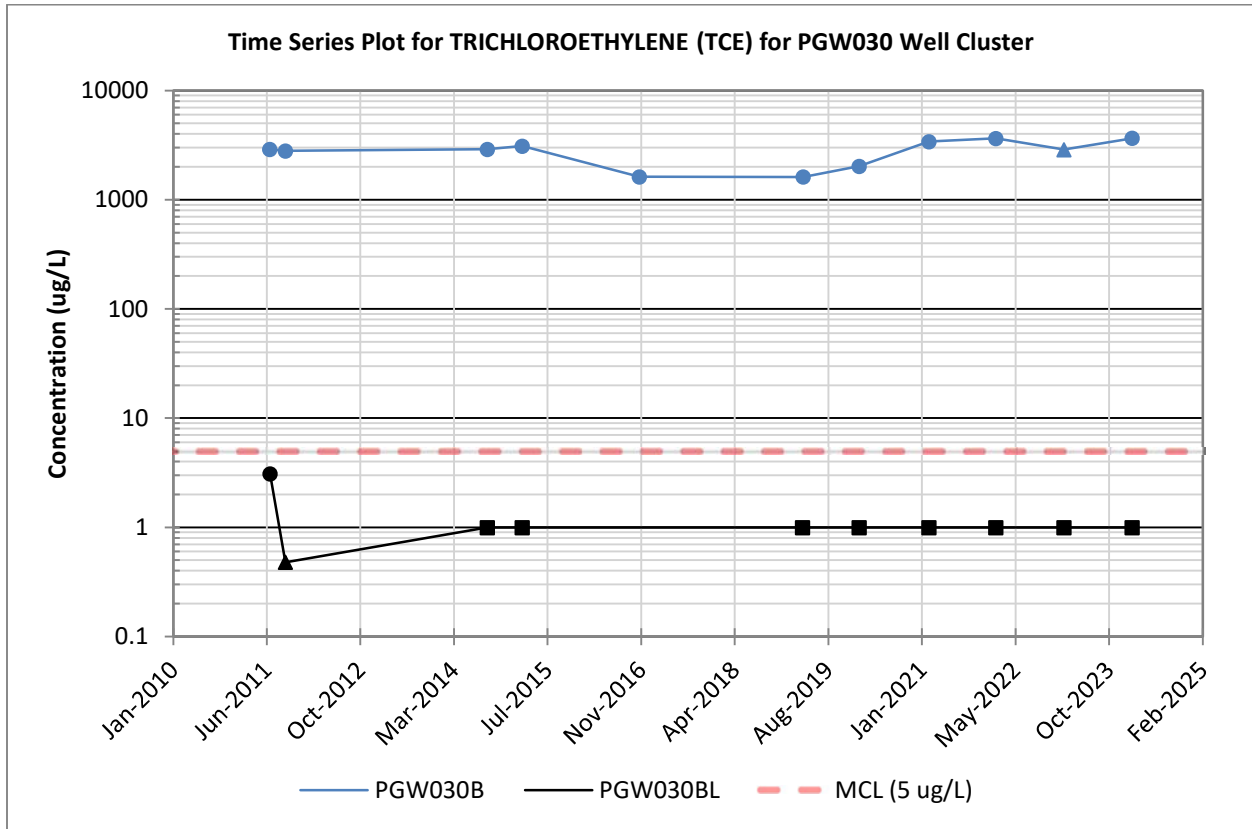


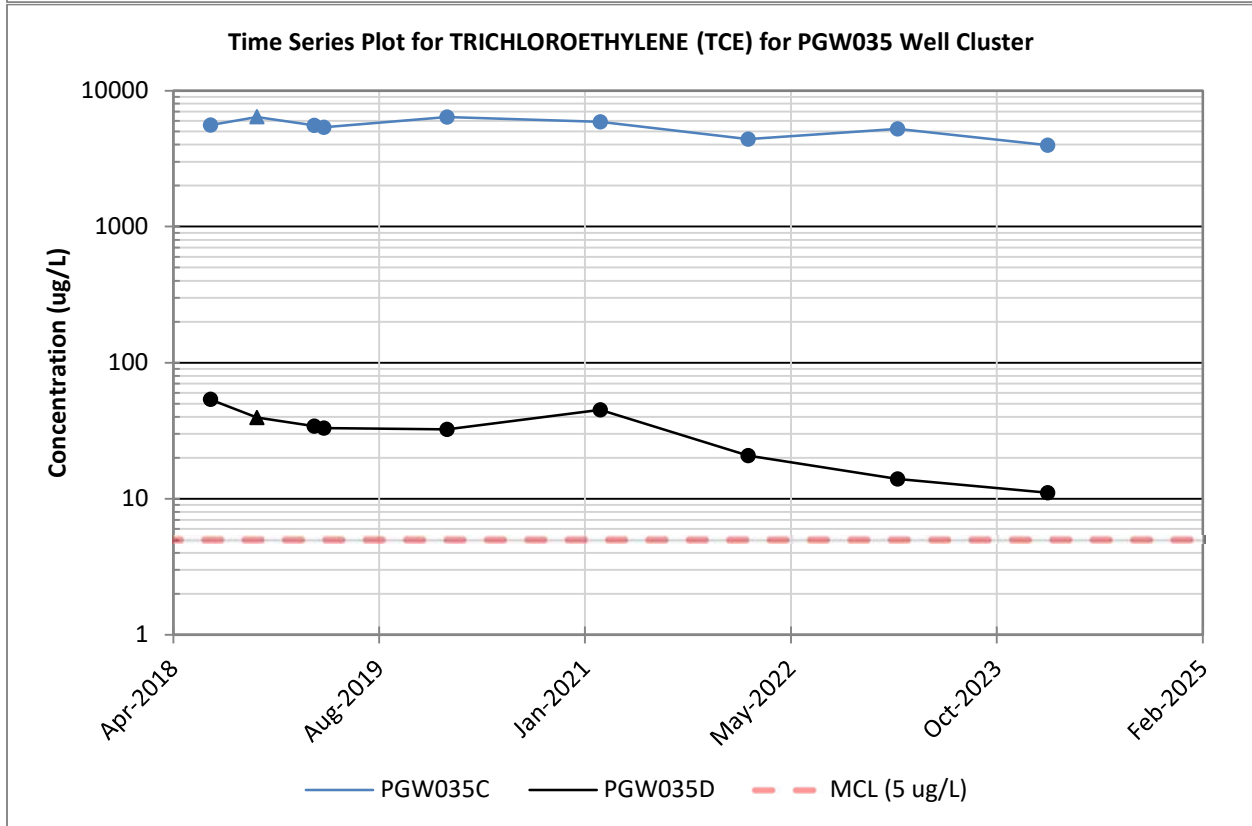
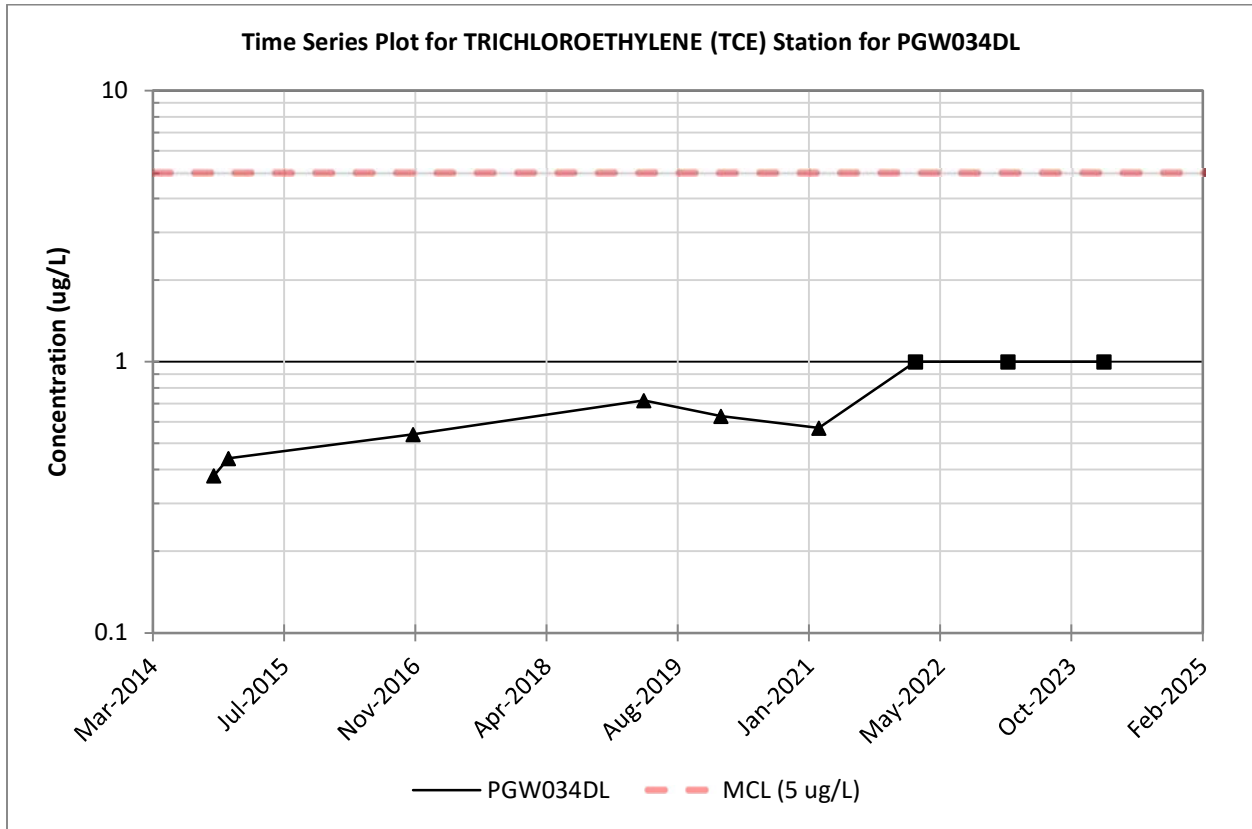


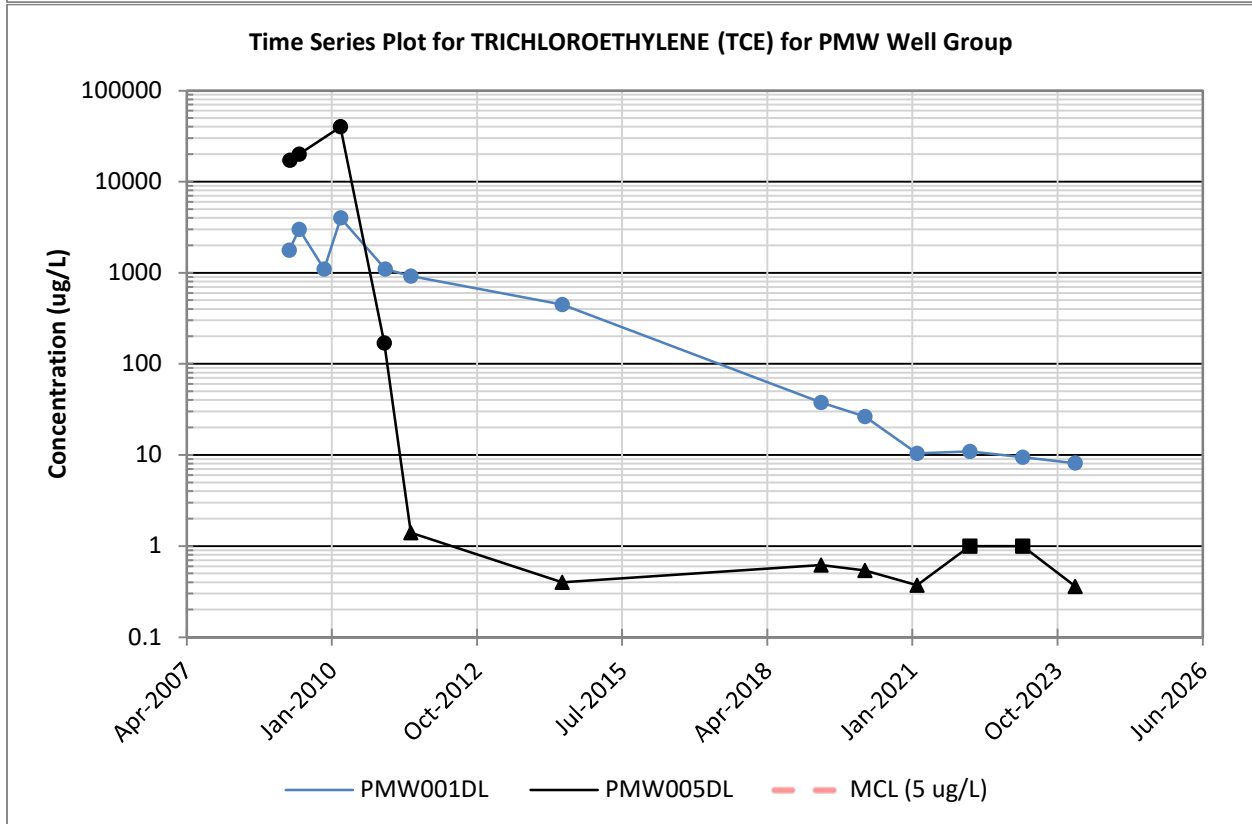
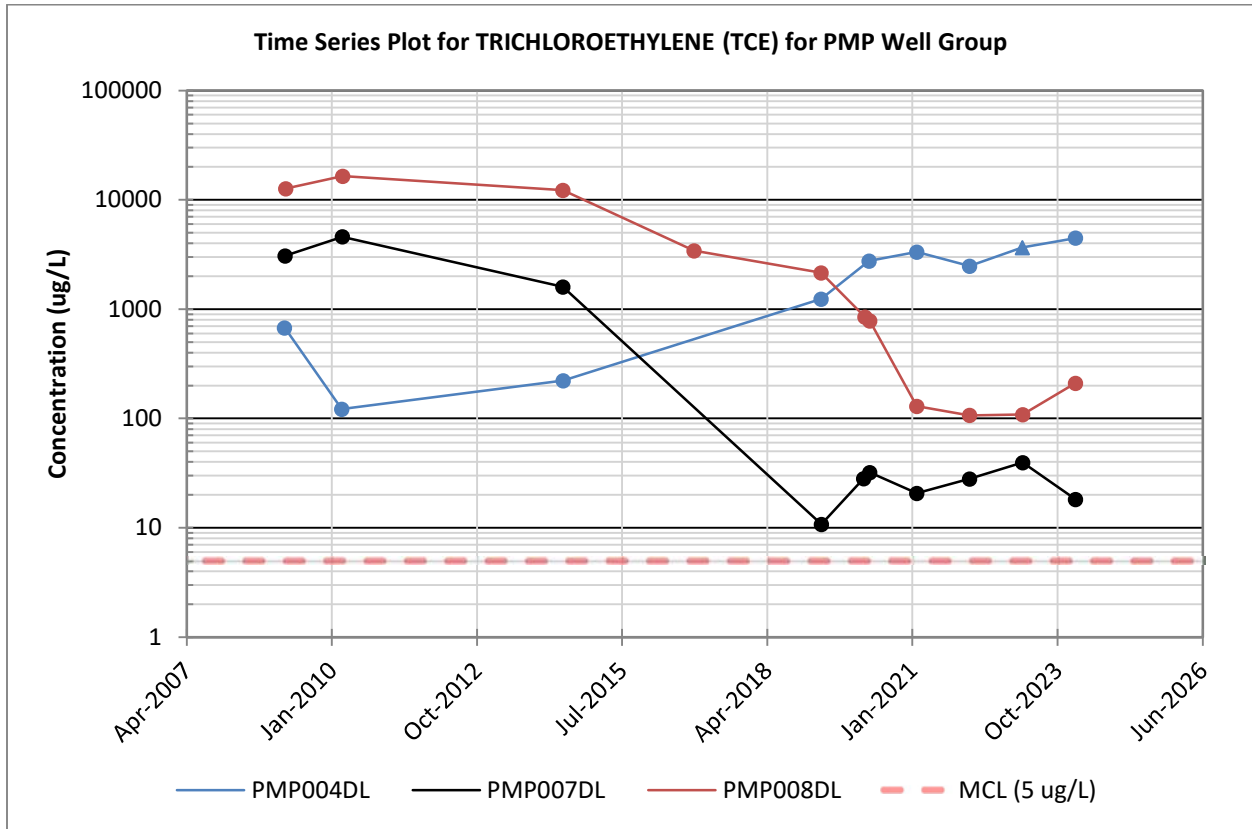


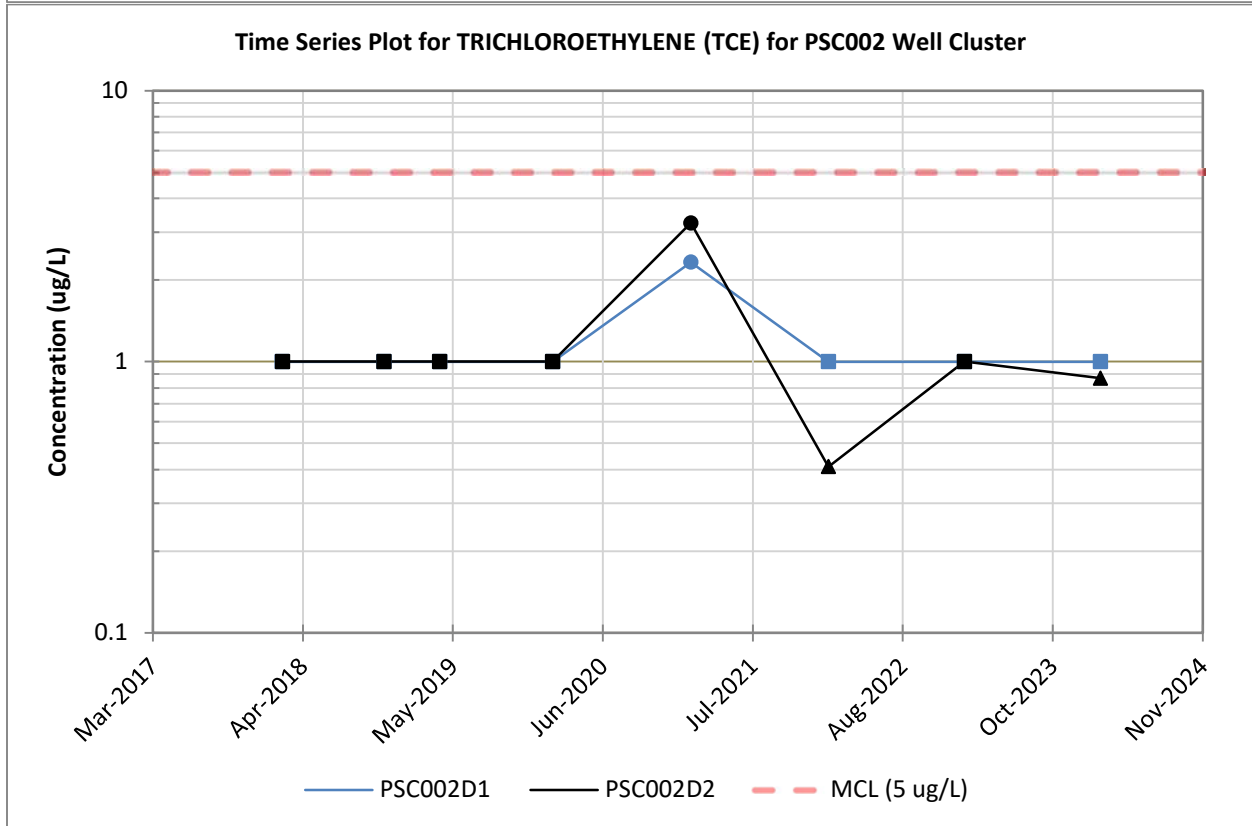
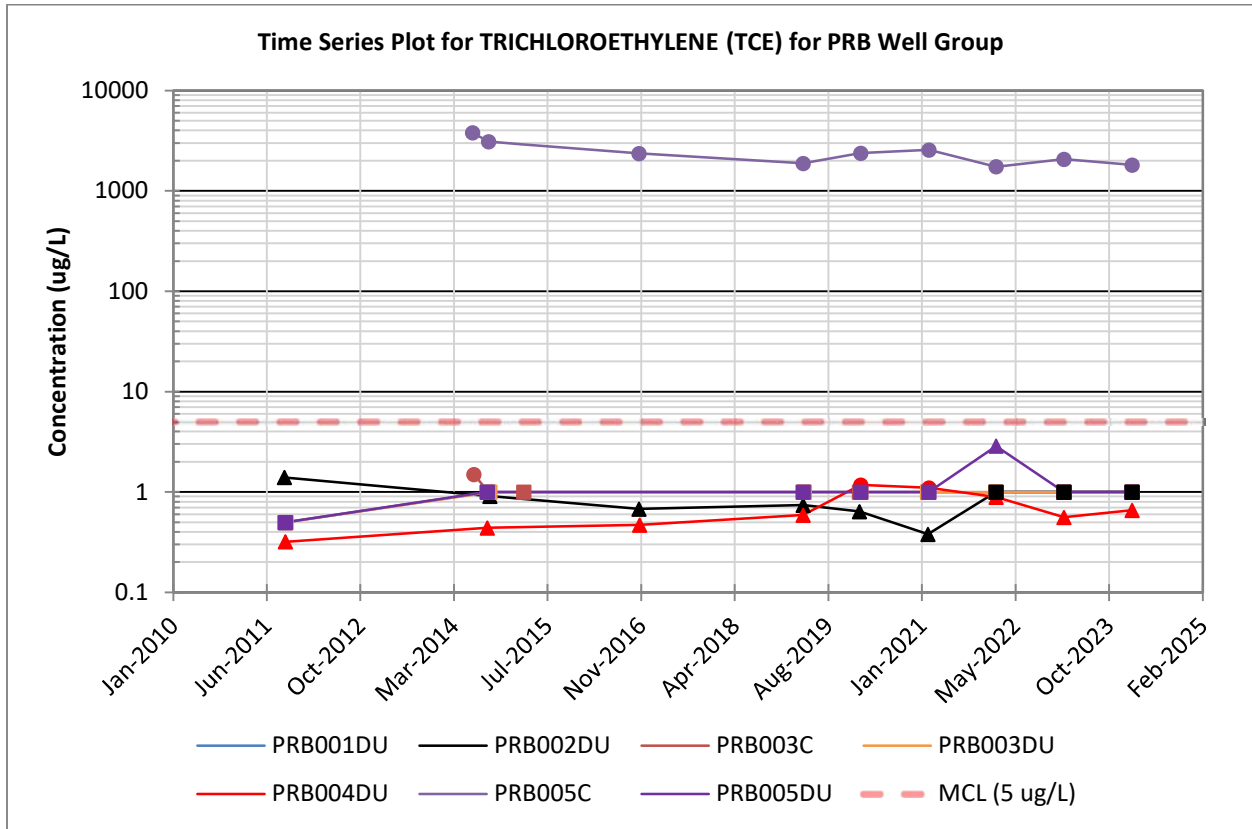


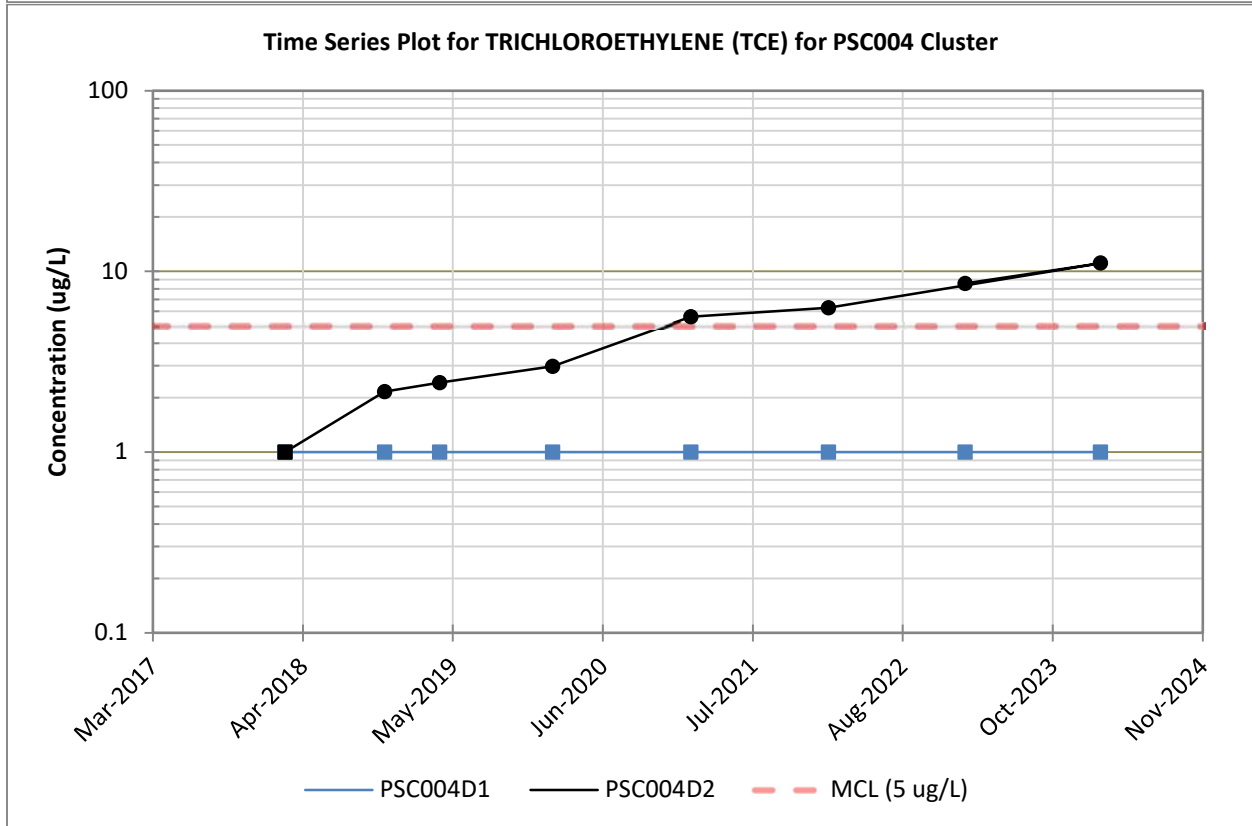
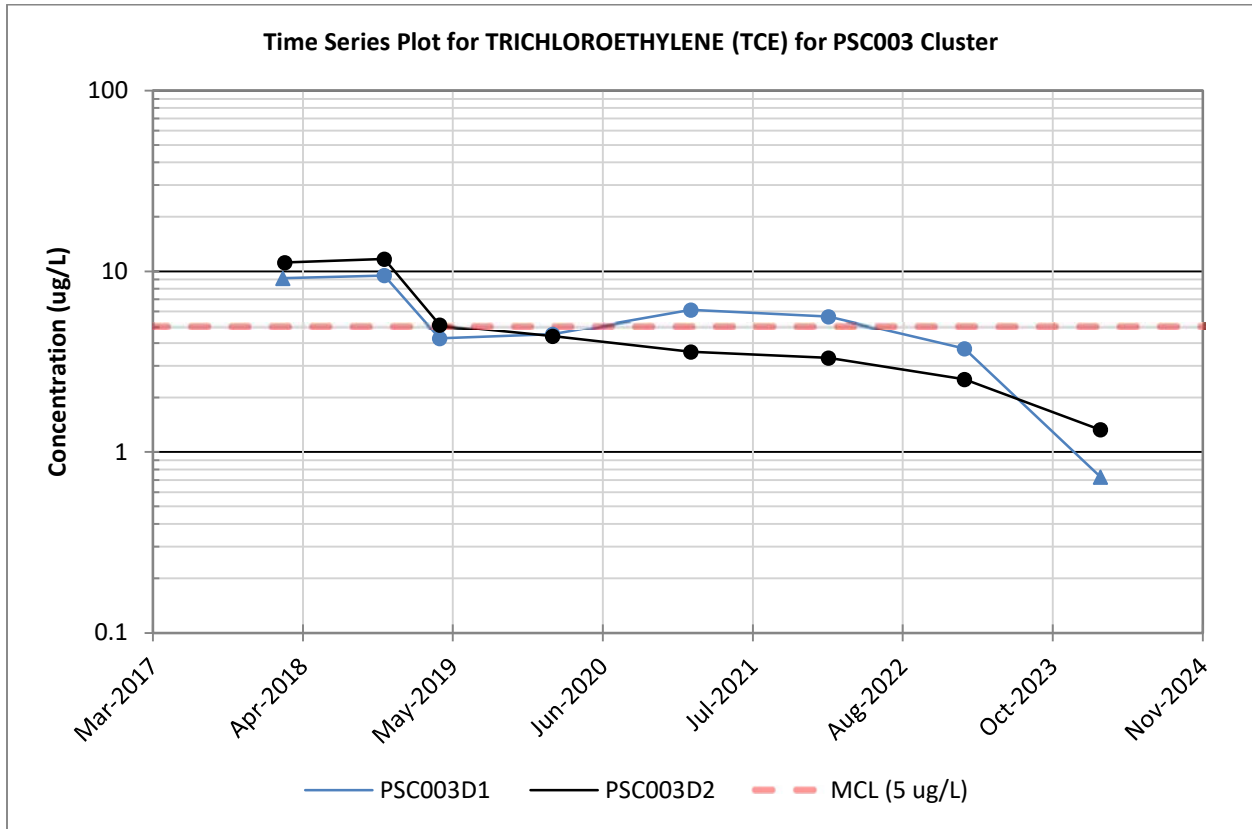


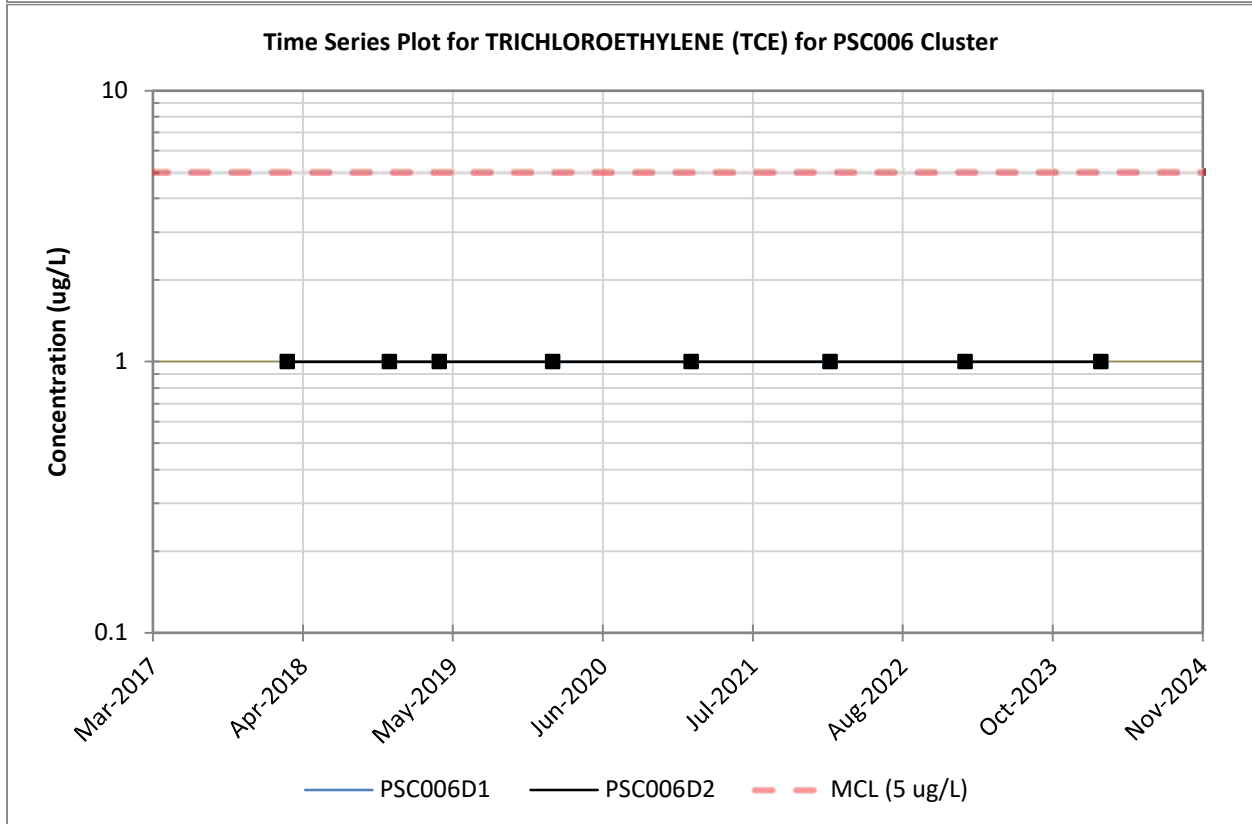
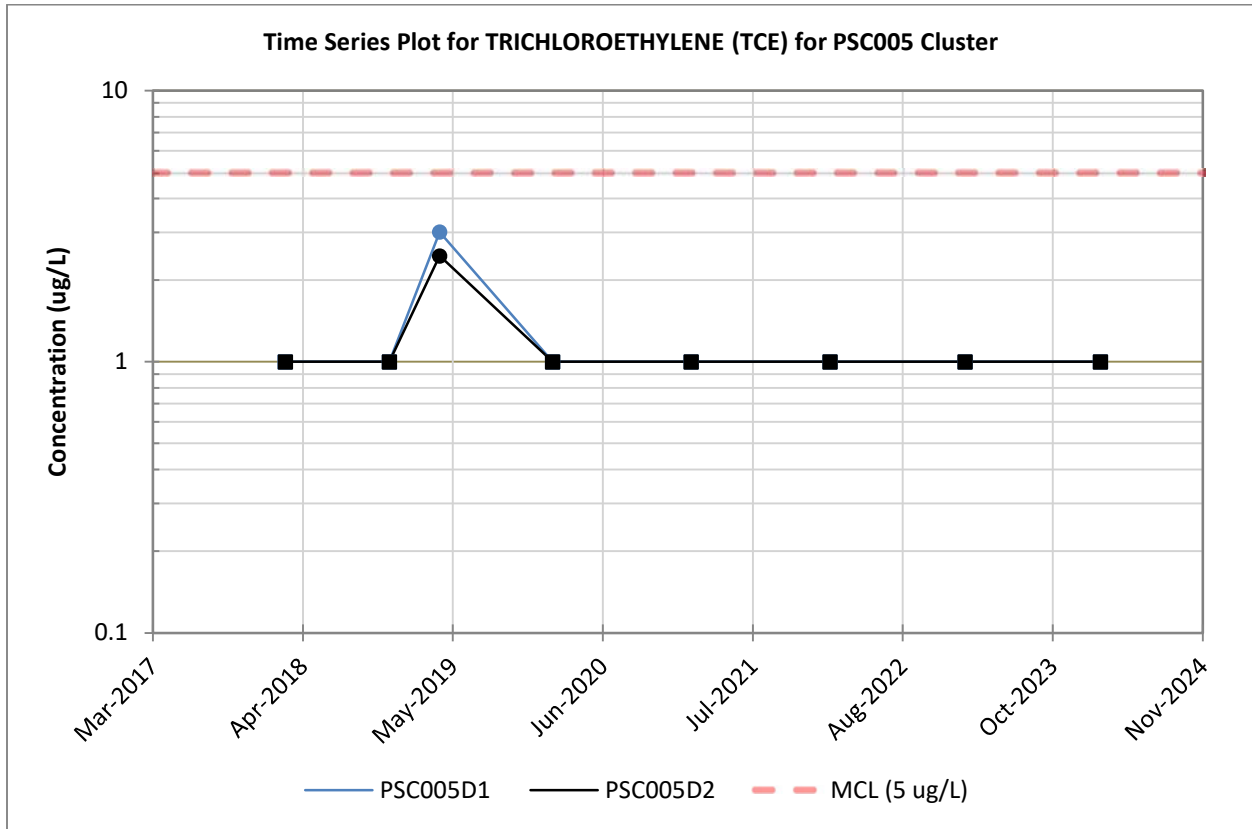


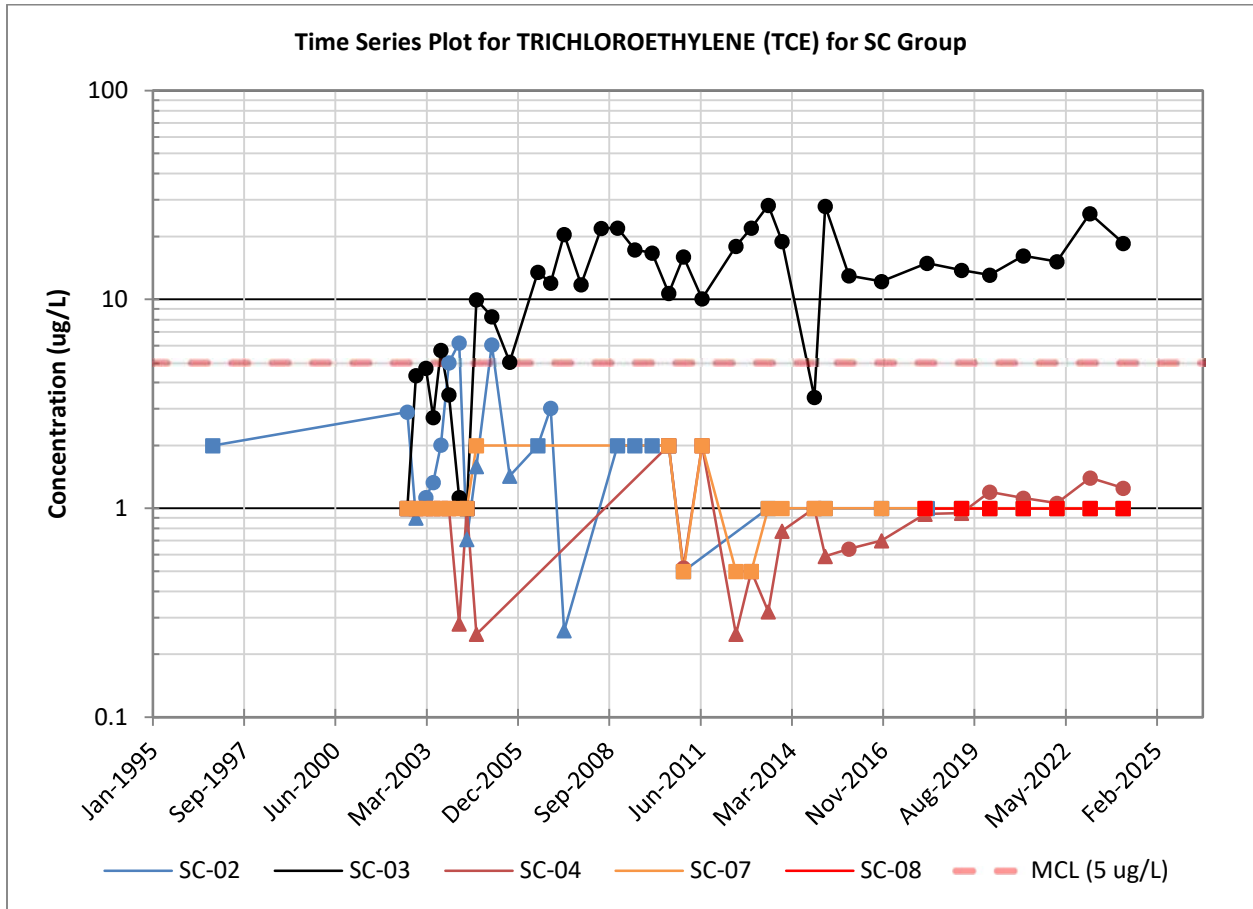












APPENDIX D

FIELD DATA FOR PAGW OU 2024 SAMPLING

This page intentionally left blank.

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-3 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
P002U	1/29/2024	AIR TEMPERATURE	9.0	degC	Groundwater
P002U	1/29/2024	FLOW RATE	0.1	gal/min	Groundwater
P002U	1/29/2024	PH	6.7	SU	Groundwater
P002U	1/29/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
P002U	1/29/2024	SPECIFIC CONDUCTANCE	144.0	uS/cm	Groundwater
P002U	1/29/2024	TOTAL ALKALINITY (AS CaCO3)	30.0	mg/L	Groundwater
P002U	1/29/2024	TURBIDITY	3.9	NTU	Groundwater
P002U	1/29/2024	WATER TEMPERATURE	19.7	degC	Groundwater
P003L	1/29/2024	AIR TEMPERATURE	7.0	degC	Groundwater
P003L	1/29/2024	FLOW RATE	0.1	gal/min	Groundwater
P003L	1/29/2024	PH	4.8	SU	Groundwater
P003L	1/29/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
P003L	1/29/2024	SPECIFIC CONDUCTANCE	27.0	uS/cm	Groundwater
P003L	1/29/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
P003L	1/29/2024	TURBIDITY	4.2	NTU	Groundwater
P003L	1/29/2024	WATER TEMPERATURE	17.9	degC	Groundwater
P003U	1/29/2024	AIR TEMPERATURE	4.0	degC	Groundwater
P003U	1/29/2024	FLOW RATE	0.1	gal/min	Groundwater
P003U	1/29/2024	PH	4.9	SU	Groundwater
P003U	1/29/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
P003U	1/29/2024	SPECIFIC CONDUCTANCE	41.0	uS/cm	Groundwater
P003U	1/29/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
P003U	1/29/2024	TURBIDITY	1.9	NTU	Groundwater
P003U	1/29/2024	WATER TEMPERATURE	19.3	degC	Groundwater
PAO001DU	1/29/2024	AIR TEMPERATURE	11.0	degC	Groundwater
PAO001DU	1/29/2024	FLOW RATE	0.2	gal/min	Groundwater
PAO001DU	1/29/2024	PH	4.1	SU	Groundwater
PAO001DU	1/29/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PAO001DU	1/29/2024	SPECIFIC CONDUCTANCE	561.0	uS/cm	Groundwater
PAO001DU	1/29/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PAO001DU	1/29/2024	TURBIDITY	3.1	NTU	Groundwater
PAO001DU	1/29/2024	WATER TEMPERATURE	22.8	degC	Groundwater
PAO002DL	1/30/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PAO002DL	1/30/2024	FLOW RATE	0.5	gal/min	Groundwater
PAO002DL	1/30/2024	PH	4.9	SU	Groundwater
PAO002DL	1/30/2024	SPECIFIC CONDUCTANCE	37.0	uS/cm	Groundwater
PAO002DL	1/30/2024	TURBIDITY	1.1	NTU	Groundwater
PAO002DL	1/30/2024	WATER TEMPERATURE	21.5	degC	Groundwater
PAO002DU	1/30/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PAO002DU	1/30/2024	FLOW RATE	0.2	gal/min	Groundwater
PAO002DU	1/30/2024	PH	6.1	SU	Groundwater
PAO002DU	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PAO002DU	1/30/2024	SPECIFIC CONDUCTANCE	72.0	uS/cm	Groundwater
PAO002DU	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	17.0	mg/L	Groundwater
PAO002DU	1/30/2024	TURBIDITY	10.8	NTU	Groundwater
PAO002DU	1/30/2024	WATER TEMPERATURE	20.8	degC	Groundwater
PAO003DU	1/30/2024	AIR TEMPERATURE	11.0	degC	Groundwater
PAO003DU	1/30/2024	FLOW RATE	0.2	gal/min	Groundwater
PAO003DU	1/30/2024	PH	5.2	SU	Groundwater
PAO003DU	1/30/2024	SPECIFIC CONDUCTANCE	40.0	uS/cm	Groundwater
PAO003DU	1/30/2024	TURBIDITY	6.5	NTU	Groundwater
PAO003DU	1/30/2024	WATER TEMPERATURE	24.1	degC	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
Page D-4 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PDB 2	1/29/2024	AIR TEMPERATURE	13.0	degC	Groundwater
PDB 2	1/29/2024	FLOW RATE	1.0	gal/min	Groundwater
PDB 2	1/29/2024	PH	6.2	SU	Groundwater
PDB 2	1/29/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PDB 2	1/29/2024	SPECIFIC CONDUCTANCE	138.0	uS/cm	Groundwater
PDB 2	1/29/2024	TOTAL ALKALINITY (AS CaCO3)	11.0	mg/L	Groundwater
PDB 2	1/29/2024	TURBIDITY	0.4	NTU	Groundwater
PDB 2	1/29/2024	WATER TEMPERATURE	23.4	degC	Groundwater
PDB 3	2/1/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PDB 3	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PDB 3	2/1/2024	PH	6.3	SU	Groundwater
PDB 3	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PDB 3	2/1/2024	SPECIFIC CONDUCTANCE	82.0	uS/cm	Groundwater
PDB 3	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	28.0	mg/L	Groundwater
PDB 3	2/1/2024	TURBIDITY	1.3	NTU	Groundwater
PDB 3	2/1/2024	WATER TEMPERATURE	21.9	degC	Groundwater
PDB 4	2/1/2024	AIR TEMPERATURE	15.0	degC	Groundwater
PDB 4	2/1/2024	FLOW RATE	0.3	gal/min	Groundwater
PDB 4	2/1/2024	PH	6.6	SU	Groundwater
PDB 4	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PDB 4	2/1/2024	SPECIFIC CONDUCTANCE	222.0	uS/cm	Groundwater
PDB 4	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	36.0	mg/L	Groundwater
PDB 4	2/1/2024	TURBIDITY	3.4	NTU	Groundwater
PDB 4	2/1/2024	WATER TEMPERATURE	21.6	degC	Groundwater
PDB 5	2/1/2024	AIR TEMPERATURE	13.0	degC	Groundwater
PDB 5	2/1/2024	FLOW RATE	0.3	gal/min	Groundwater
PDB 5	2/1/2024	PH	5.0	SU	Groundwater
PDB 5	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PDB 5	2/1/2024	SPECIFIC CONDUCTANCE	40.0	uS/cm	Groundwater
PDB 5	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PDB 5	2/1/2024	TURBIDITY	1.7	NTU	Groundwater
PDB 5	2/1/2024	WATER TEMPERATURE	21.1	degC	Groundwater
PDB003C	2/1/2024	AIR TEMPERATURE	11.0	degC	Groundwater
PDB003C	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PDB003C	2/1/2024	PH	5.4	SU	Groundwater
PDB003C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PDB003C	2/1/2024	SPECIFIC CONDUCTANCE	46.0	uS/cm	Groundwater
PDB003C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	10.0	mg/L	Groundwater
PDB003C	2/1/2024	TURBIDITY	0.8	NTU	Groundwater
PDB003C	2/1/2024	WATER TEMPERATURE	20.5	degC	Groundwater
PGW014 B	2/1/2024	AIR TEMPERATURE	4.0	degC	Groundwater
PGW014 B	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW014 B	2/1/2024	PH	6.7	SU	Groundwater
PGW014 B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW014 B	2/1/2024	SPECIFIC CONDUCTANCE	163.0	uS/cm	Groundwater
PGW014 B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	54.0	mg/L	Groundwater
PGW014 B	2/1/2024	TURBIDITY	0.7	NTU	Groundwater
PGW014 B	2/1/2024	WATER TEMPERATURE	19.5	degC	Groundwater
PGW014 C	1/30/2024	AIR TEMPERATURE	13.0	degC	Groundwater
PGW014 C	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW014 C	1/30/2024	PH	5.3	SU	Groundwater
PGW014 C	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-5 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW014 C	1/30/2024	SPECIFIC CONDUCTANCE	20.0	uS/cm	Groundwater
PGW014 C	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW014 C	1/30/2024	TURBIDITY	0.7	NTU	Groundwater
PGW014 C	1/30/2024	WATER TEMPERATURE	18.5	degC	Groundwater
PGW014DU	1/30/2024	AIR TEMPERATURE	14.0	degC	Groundwater
PGW014DU	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW014DU	1/30/2024	PH	5.2	SU	Groundwater
PGW014DU	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW014DU	1/30/2024	SPECIFIC CONDUCTANCE	24.0	uS/cm	Groundwater
PGW014DU	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW014DU	1/30/2024	TURBIDITY	0.6	NTU	Groundwater
PGW014DU	1/30/2024	WATER TEMPERATURE	19.1	degC	Groundwater
PGW016 B	2/1/2024	AIR TEMPERATURE	9.0	degC	Groundwater
PGW016 B	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW016 B	2/1/2024	PH	7.4	SU	Groundwater
PGW016 B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW016 B	2/1/2024	SPECIFIC CONDUCTANCE	189.0	uS/cm	Groundwater
PGW016 B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	63.0	mg/L	Groundwater
PGW016 B	2/1/2024	TURBIDITY	4.2	NTU	Groundwater
PGW016 B	2/1/2024	WATER TEMPERATURE	19.9	degC	Groundwater
PGW016 C	2/1/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PGW016 C	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW016 C	2/1/2024	PH	4.9	SU	Groundwater
PGW016 C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW016 C	2/1/2024	SPECIFIC CONDUCTANCE	30.0	uS/cm	Groundwater
PGW016 C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW016 C	2/1/2024	TURBIDITY	0.2	NTU	Groundwater
PGW016 C	2/1/2024	WATER TEMPERATURE	19.0	degC	Groundwater
PGW016DU	2/1/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW016DU	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW016DU	2/1/2024	PH	4.6	SU	Groundwater
PGW016DU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW016DU	2/1/2024	SPECIFIC CONDUCTANCE	35.0	uS/cm	Groundwater
PGW016DU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW016DU	2/1/2024	TURBIDITY	6.5	NTU	Groundwater
PGW016DU	2/1/2024	WATER TEMPERATURE	18.7	degC	Groundwater
PGW017 B	2/1/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW017 B	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW017 B	2/1/2024	PH	5.2	SU	Groundwater
PGW017 B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW017 B	2/1/2024	SPECIFIC CONDUCTANCE	20.0	uS/cm	Groundwater
PGW017 B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	5.0	mg/L	Groundwater
PGW017 B	2/1/2024	TURBIDITY	9.8	NTU	Groundwater
PGW017 B	2/1/2024	WATER TEMPERATURE	19.9	degC	Groundwater
PGW017 C	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW017 C	1/31/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW017 C	1/31/2024	PH	5.2	SU	Groundwater
PGW017 C	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW017 C	1/31/2024	SPECIFIC CONDUCTANCE	23.0	uS/cm	Groundwater
PGW017 C	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW017 C	1/31/2024	TURBIDITY	1.2	NTU	Groundwater
PGW017 C	1/31/2024	WATER TEMPERATURE	23.0	degC	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

SRNS-RP-2024-01436

Rev 0

Page D-6 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW017DU	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW017DU	1/31/2024	FLOW RATE	0.3	gal/min	Groundwater
PGW017DU	1/31/2024	PH	4.9	SU	Groundwater
PGW017DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW017DU	1/31/2024	SPECIFIC CONDUCTANCE	39.0	uS/cm	Groundwater
PGW017DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW017DU	1/31/2024	TURBIDITY	16.3	NTU	Groundwater
PGW017DU	1/31/2024	WATER TEMPERATURE	18.3	degC	Groundwater
PGW018 B	1/31/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PGW018 B	1/31/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PGW018 B	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW018 B	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW018 B	1/31/2024	PH	5.0	SU	Groundwater
PGW018 B	1/31/2024	PH	4.9	SU	Groundwater
PGW018 B	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW018 B	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW018 B	1/31/2024	SPECIFIC CONDUCTANCE	42.0	uS/cm	Groundwater
PGW018 B	1/31/2024	SPECIFIC CONDUCTANCE	42.0	uS/cm	Groundwater
PGW018 B	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW018 B	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW018 B	1/31/2024	TURBIDITY	7.4	NTU	Groundwater
PGW018 B	1/31/2024	TURBIDITY	7.4	NTU	Groundwater
PGW018 B	1/31/2024	WATER TEMPERATURE	17.4	degC	Groundwater
PGW018 B	1/31/2024	WATER TEMPERATURE	17.3	degC	Groundwater
PGW018 C	1/31/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PGW018 C	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW018 C	1/31/2024	PH	4.6	SU	Groundwater
PGW018 C	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW018 C	1/31/2024	SPECIFIC CONDUCTANCE	22.0	uS/cm	Groundwater
PGW018 C	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW018 C	1/31/2024	TURBIDITY	8.8	NTU	Groundwater
PGW018 C	1/31/2024	WATER TEMPERATURE	16.0	degC	Groundwater
PGW018DU	1/31/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PGW018DU	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW018DU	1/31/2024	PH	4.8	SU	Groundwater
PGW018DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW018DU	1/31/2024	SPECIFIC CONDUCTANCE	26.0	uS/cm	Groundwater
PGW018DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PGW018DU	1/31/2024	TURBIDITY	153.0	NTU	Groundwater
PGW018DU	1/31/2024	WATER TEMPERATURE	17.4	degC	Groundwater
PGW019 B	2/1/2024	AIR TEMPERATURE	9.0	degC	Groundwater
PGW019 B	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW019 B	2/1/2024	PH	5.1	SU	Groundwater
PGW019 B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW019 B	2/1/2024	SPECIFIC CONDUCTANCE	26.0	uS/cm	Groundwater
PGW019 B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PGW019 B	2/1/2024	TURBIDITY	0.4	NTU	Groundwater
PGW019 B	2/1/2024	WATER TEMPERATURE	21.3	degC	Groundwater
PGW019 C	2/1/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PGW019 C	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW019 C	2/1/2024	PH	4.9	SU	Groundwater
PGW019 C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-7 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW019 C	2/1/2024	SPECIFIC CONDUCTANCE	20.0	uS/cm	Groundwater
PGW019 C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW019 C	2/1/2024	TURBIDITY	0.4	NTU	Groundwater
PGW019 C	2/1/2024	WATER TEMPERATURE	20.8	degC	Groundwater
PGW019DU	2/1/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW019DU	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PGW019DU	2/1/2024	PH	4.7	SU	Groundwater
PGW019DU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW019DU	2/1/2024	SPECIFIC CONDUCTANCE	37.0	uS/cm	Groundwater
PGW019DU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW019DU	2/1/2024	TURBIDITY	10.0	NTU	Groundwater
PGW019DU	2/1/2024	WATER TEMPERATURE	21.5	degC	Groundwater
PGW021 B	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW021 B	1/31/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW021 B	1/31/2024	PH	5.2	SU	Groundwater
PGW021 B	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW021 B	1/31/2024	SPECIFIC CONDUCTANCE	22.0	uS/cm	Groundwater
PGW021 B	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	3.0	mg/L	Groundwater
PGW021 B	1/31/2024	TURBIDITY	0.6	NTU	Groundwater
PGW021 B	1/31/2024	WATER TEMPERATURE	19.8	degC	Groundwater
PGW021 C	1/31/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PGW021 C	1/31/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW021 C	1/31/2024	PH	4.9	SU	Groundwater
PGW021 C	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW021 C	1/31/2024	SPECIFIC CONDUCTANCE	29.0	uS/cm	Groundwater
PGW021 C	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	4.0	mg/L	Groundwater
PGW021 C	1/31/2024	TURBIDITY	0.4	NTU	Groundwater
PGW021 C	1/31/2024	WATER TEMPERATURE	18.9	degC	Groundwater
PGW021DU	1/31/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PGW021DU	1/31/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW021DU	1/31/2024	PH	4.7	SU	Groundwater
PGW021DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW021DU	1/31/2024	SPECIFIC CONDUCTANCE	30.0	uS/cm	Groundwater
PGW021DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW021DU	1/31/2024	TURBIDITY	0.2	NTU	Groundwater
PGW021DU	1/31/2024	WATER TEMPERATURE	19.1	degC	Groundwater
PGW022 B	1/30/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PGW022 B	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW022 B	1/30/2024	PH	10.7	SU	Groundwater
PGW022 B	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	55.0	mg/L	Groundwater
PGW022 B	1/30/2024	SPECIFIC CONDUCTANCE	217.0	uS/cm	Groundwater
PGW022 B	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	64.0	mg/L	Groundwater
PGW022 B	1/30/2024	TURBIDITY	0.5	NTU	Groundwater
PGW022 B	1/30/2024	WATER TEMPERATURE	20.2	degC	Groundwater
PGW022 C	1/30/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PGW022 C	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW022 C	1/30/2024	PH	4.8	SU	Groundwater
PGW022 C	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW022 C	1/30/2024	SPECIFIC CONDUCTANCE	26.0	uS/cm	Groundwater
PGW022 C	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW022 C	1/30/2024	TURBIDITY	0.8	NTU	Groundwater
PGW022 C	1/30/2024	WATER TEMPERATURE	18.8	degC	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-8 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW022DU	1/30/2024	AIR TEMPERATURE	4.0	degC	Groundwater
PGW022DU	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW022DU	1/30/2024	PH	5.2	SU	Groundwater
PGW022DU	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW022DU	1/30/2024	SPECIFIC CONDUCTANCE	30.0	uS/cm	Groundwater
PGW022DU	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW022DU	1/30/2024	TURBIDITY	0.9	NTU	Groundwater
PGW022DU	1/30/2024	WATER TEMPERATURE	19.2	degC	Groundwater
PGW024 B	2/1/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PGW024 B	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW024 B	2/1/2024	PH	5.3	SU	Groundwater
PGW024 B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW024 B	2/1/2024	SPECIFIC CONDUCTANCE	29.0	uS/cm	Groundwater
PGW024 B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	6.0	mg/L	Groundwater
PGW024 B	2/1/2024	TURBIDITY	0.9	NTU	Groundwater
PGW024 B	2/1/2024	WATER TEMPERATURE	19.5	degC	Groundwater
PGW024 C	2/1/2024	AIR TEMPERATURE	11.0	degC	Groundwater
PGW024 C	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW024 C	2/1/2024	PH	6.6	SU	Groundwater
PGW024 C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	10.0	mg/L	Groundwater
PGW024 C	2/1/2024	SPECIFIC CONDUCTANCE	113.0	uS/cm	Groundwater
PGW024 C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	36.0	mg/L	Groundwater
PGW024 C	2/1/2024	TURBIDITY	6.9	NTU	Groundwater
PGW024 C	2/1/2024	WATER TEMPERATURE	19.4	degC	Groundwater
PGW024DU	2/1/2024	AIR TEMPERATURE	14.0	degC	Groundwater
PGW024DU	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PGW024DU	2/1/2024	PH	5.5	SU	Groundwater
PGW024DU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW024DU	2/1/2024	SPECIFIC CONDUCTANCE	37.0	uS/cm	Groundwater
PGW024DU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	8.0	mg/L	Groundwater
PGW024DU	2/1/2024	TURBIDITY	1.4	NTU	Groundwater
PGW024DU	2/1/2024	WATER TEMPERATURE	19.1	degC	Groundwater
PGW025 B	1/30/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PGW025 B	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW025 B	1/30/2024	PH	5.3	SU	Groundwater
PGW025 B	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW025 B	1/30/2024	SPECIFIC CONDUCTANCE	29.0	uS/cm	Groundwater
PGW025 B	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW025 B	1/30/2024	TURBIDITY	6.3	NTU	Groundwater
PGW025 B	1/30/2024	WATER TEMPERATURE	21.3	degC	Groundwater
PGW025 C	1/30/2024	AIR TEMPERATURE	10.0	degC	Groundwater
PGW025 C	1/30/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW025 C	1/30/2024	PH	5.2	SU	Groundwater
PGW025 C	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW025 C	1/30/2024	SPECIFIC CONDUCTANCE	42.0	uS/cm	Groundwater
PGW025 C	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW025 C	1/30/2024	TURBIDITY	11.0	NTU	Groundwater
PGW025 C	1/30/2024	WATER TEMPERATURE	21.7	degC	Groundwater
PGW025DU	2/1/2024	AIR TEMPERATURE	3.0	degC	Groundwater
PGW025DU	2/1/2024	FLOW RATE	1.0	gal/min	Groundwater
PGW025DU	2/1/2024	PH	5.4	SU	Groundwater
PGW025DU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

Station ID	Date	Analyte	Results	Units	Matrix
PGW025DU	2/1/2024	SPECIFIC CONDUCTANCE	39.0	uS/cm	Groundwater
PGW025DU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	8.0	mg/L	Groundwater
PGW025DU	2/1/2024	TURBIDITY	2.1	NTU	Groundwater
PGW025DU	2/1/2024	WATER TEMPERATURE	20.5	degC	Groundwater
PGW026B	2/1/2024	AIR TEMPERATURE	2.0	degC	Groundwater
PGW026B	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW026B	2/1/2024	PH	5.7	SU	Groundwater
PGW026B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW026B	2/1/2024	SPECIFIC CONDUCTANCE	21.0	uS/cm	Groundwater
PGW026B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	14.0	mg/L	Groundwater
PGW026B	2/1/2024	TURBIDITY	0.8	NTU	Groundwater
PGW026B	2/1/2024	WATER TEMPERATURE	18.8	degC	Groundwater
PGW026C	1/30/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PGW026C	1/30/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW026C	1/30/2024	PH	5.1	SU	Groundwater
PGW026C	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW026C	1/30/2024	SPECIFIC CONDUCTANCE	30.0	uS/cm	Groundwater
PGW026C	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW026C	1/30/2024	TURBIDITY	0.6	NTU	Groundwater
PGW026C	1/30/2024	WATER TEMPERATURE	18.6	degC	Groundwater
PGW026DL	1/30/2024	AIR TEMPERATURE	2.0	degC	Groundwater
PGW026DL	1/30/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW026DL	1/30/2024	PH	4.9	SU	Groundwater
PGW026DL	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW026DL	1/30/2024	SPECIFIC CONDUCTANCE	38.0	uS/cm	Groundwater
PGW026DL	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW026DL	1/30/2024	TURBIDITY	5.1	NTU	Groundwater
PGW026DL	1/30/2024	WATER TEMPERATURE	18.6	degC	Groundwater
PGW027C	1/30/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PGW027C	1/30/2024	FLOW RATE	0.1	gal/min	Groundwater
PGW027C	1/30/2024	PH	5.5	SU	Groundwater
PGW027C	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW027C	1/30/2024	SPECIFIC CONDUCTANCE	24.0	uS/cm	Groundwater
PGW027C	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PGW027C	1/30/2024	TURBIDITY	1.0	NTU	Groundwater
PGW027C	1/30/2024	WATER TEMPERATURE	18.2	degC	Groundwater
PGW027DL	1/30/2024	AIR TEMPERATURE	4.0	degC	Groundwater
PGW027DL	1/30/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW027DL	1/30/2024	PH	5.3	SU	Groundwater
PGW027DL	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW027DL	1/30/2024	SPECIFIC CONDUCTANCE	33.0	uS/cm	Groundwater
PGW027DL	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW027DL	1/30/2024	TURBIDITY	5.9	NTU	Groundwater
PGW027DL	1/30/2024	WATER TEMPERATURE	17.9	degC	Groundwater
PGW027DU	1/30/2024	AIR TEMPERATURE	10.0	degC	Groundwater
PGW027DU	1/30/2024	FLOW RATE	0.1	gal/min	Groundwater
PGW027DU	1/30/2024	PH	5.2	SU	Groundwater
PGW027DU	1/30/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW027DU	1/30/2024	SPECIFIC CONDUCTANCE	24.0	uS/cm	Groundwater
PGW027DU	1/30/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW027DU	1/30/2024	TURBIDITY	1.9	NTU	Groundwater
PGW027DU	1/30/2024	WATER TEMPERATURE	18.3	degC	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
 Page D-10 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW028C	2/1/2024	AIR TEMPERATURE	12.0	degC	Groundwater
PGW028C	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW028C	2/1/2024	PH	5.0	SU	Groundwater
PGW028C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW028C	2/1/2024	SPECIFIC CONDUCTANCE	26.0	uS/cm	Groundwater
PGW028C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PGW028C	2/1/2024	TURBIDITY	1.0	NTU	Groundwater
PGW028C	2/1/2024	WATER TEMPERATURE	18.6	degC	Groundwater
PGW028DU	2/1/2024	AIR TEMPERATURE	10.0	degC	Groundwater
PGW028DU	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW028DU	2/1/2024	PH	4.6	SU	Groundwater
PGW028DU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW028DU	2/1/2024	SPECIFIC CONDUCTANCE	39.0	uS/cm	Groundwater
PGW028DU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW028DU	2/1/2024	TURBIDITY	1.8	NTU	Groundwater
PGW028DU	2/1/2024	WATER TEMPERATURE	18.4	degC	Groundwater
PGW029C	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW029C	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW029C	1/31/2024	PH	6.6	SU	Groundwater
PGW029C	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW029C	1/31/2024	SPECIFIC CONDUCTANCE	30.0	uS/cm	Groundwater
PGW029C	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	4.0	mg/L	Groundwater
PGW029C	1/31/2024	TURBIDITY	6.1	NTU	Groundwater
PGW029C	1/31/2024	WATER TEMPERATURE	18.8	degC	Groundwater
PGW029DL	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW029DL	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW029DL	1/31/2024	PH	7.6	SU	Groundwater
PGW029DL	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW029DL	1/31/2024	SPECIFIC CONDUCTANCE	43.0	uS/cm	Groundwater
PGW029DL	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	6.0	mg/L	Groundwater
PGW029DL	1/31/2024	TURBIDITY	0.8	NTU	Groundwater
PGW029DL	1/31/2024	WATER TEMPERATURE	19.7	degC	Groundwater
PGW030B	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PGW030B	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW030B	2/1/2024	PH	4.6	SU	Groundwater
PGW030B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW030B	2/1/2024	SPECIFIC CONDUCTANCE	20.0	uS/cm	Groundwater
PGW030B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW030B	2/1/2024	TURBIDITY	3.1	NTU	Groundwater
PGW030B	2/1/2024	WATER TEMPERATURE	19.9	degC	Groundwater
PGW030BL	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PGW030BL	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW030BL	2/1/2024	PH	5.8	SU	Groundwater
PGW030BL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW030BL	2/1/2024	SPECIFIC CONDUCTANCE	65.0	uS/cm	Groundwater
PGW030BL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	19.0	mg/L	Groundwater
PGW030BL	2/1/2024	TURBIDITY	4.8	NTU	Groundwater
PGW030BL	2/1/2024	WATER TEMPERATURE	19.5	degC	Groundwater
PGW031B	2/1/2024	AIR TEMPERATURE	3.0	degC	Groundwater
PGW031B	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW031B	2/1/2024	PH	5.0	SU	Groundwater
PGW031B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
 Page D-11 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW031B	2/1/2024	SPECIFIC CONDUCTANCE	19.0	uS/cm	Groundwater
PGW031B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PGW031B	2/1/2024	TURBIDITY	0.9	NTU	Groundwater
PGW031B	2/1/2024	WATER TEMPERATURE	18.3	degC	Groundwater
PGW031C	2/1/2024	AIR TEMPERATURE	3.0	degC	Groundwater
PGW031C	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW031C	2/1/2024	PH	4.7	SU	Groundwater
PGW031C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW031C	2/1/2024	SPECIFIC CONDUCTANCE	24.0	uS/cm	Groundwater
PGW031C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW031C	2/1/2024	TURBIDITY	0.5	NTU	Groundwater
PGW031C	2/1/2024	WATER TEMPERATURE	18.7	degC	Groundwater
PGW033A	2/1/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PGW033A	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW033A	2/1/2024	PH	6.9	SU	Groundwater
PGW033A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW033A	2/1/2024	SPECIFIC CONDUCTANCE	187.0	uS/cm	Groundwater
PGW033A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	80.0	mg/L	Groundwater
PGW033A	2/1/2024	TURBIDITY	9.1	NTU	Groundwater
PGW033A	2/1/2024	WATER TEMPERATURE	18.1	degC	Groundwater
PGW034DL	2/1/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PGW034DL	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW034DL	2/1/2024	PH	4.9	SU	Groundwater
PGW034DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW034DL	2/1/2024	SPECIFIC CONDUCTANCE	27.0	uS/cm	Groundwater
PGW034DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW034DL	2/1/2024	TURBIDITY	4.8	NTU	Groundwater
PGW034DL	2/1/2024	WATER TEMPERATURE	18.0	degC	Groundwater
PGW035C	2/1/2024	AIR TEMPERATURE	3.0	degC	Groundwater
PGW035C	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW035C	2/1/2024	PH	4.8	SU	Groundwater
PGW035C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW035C	2/1/2024	SPECIFIC CONDUCTANCE	38.0	uS/cm	Groundwater
PGW035C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW035C	2/1/2024	TURBIDITY	6.8	NTU	Groundwater
PGW035C	2/1/2024	WATER TEMPERATURE	18.6	degC	Groundwater
PGW035CU	2/1/2024	AIR TEMPERATURE	4.0	degC	Groundwater
PGW035CU	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW035CU	2/1/2024	PH	5.2	SU	Groundwater
PGW035CU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW035CU	2/1/2024	SPECIFIC CONDUCTANCE	18.0	uS/cm	Groundwater
PGW035CU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PGW035CU	2/1/2024	TURBIDITY	14.9	NTU	Groundwater
PGW035CU	2/1/2024	WATER TEMPERATURE	17.7	degC	Groundwater
PGW035D	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PGW035D	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PGW035D	2/1/2024	PH	6.2	SU	Groundwater
PGW035D	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PGW035D	2/1/2024	SPECIFIC CONDUCTANCE	83.0	uS/cm	Groundwater
PGW035D	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	19.0	mg/L	Groundwater
PGW035D	2/1/2024	TURBIDITY	9.2	NTU	Groundwater
PGW035D	2/1/2024	WATER TEMPERATURE	19.1	degC	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-12 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PGW-03A	2/1/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PGW-03A	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PGW-03A	2/1/2024	PH	8.4	SU	Groundwater
PGW-03A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	10.0	mg/L	Groundwater
PGW-03A	2/1/2024	SPECIFIC CONDUCTANCE	112.0	uS/cm	Groundwater
PGW-03A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	64.0	mg/L	Groundwater
PGW-03A	2/1/2024	TURBIDITY	3.2	NTU	Groundwater
PGW-03A	2/1/2024	WATER TEMPERATURE	18.1	degC	Groundwater
PMP004DL	2/1/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PMP004DL	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PMP004DL	2/1/2024	PH	5.2	SU	Groundwater
PMP004DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PMP004DL	2/1/2024	SPECIFIC CONDUCTANCE	46.0	uS/cm	Groundwater
PMP004DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	3.0	mg/L	Groundwater
PMP004DL	2/1/2024	TURBIDITY	14.8	NTU	Groundwater
PMP004DL	2/1/2024	WATER TEMPERATURE	18.4	degC	Groundwater
PMP007DL	2/1/2024	AIR TEMPERATURE	9.0	degC	Groundwater
PMP007DL	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PMP007DL	2/1/2024	PH	5.8	SU	Groundwater
PMP007DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PMP007DL	2/1/2024	SPECIFIC CONDUCTANCE	51.0	uS/cm	Groundwater
PMP007DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	7.0	mg/L	Groundwater
PMP007DL	2/1/2024	TURBIDITY	14.5	NTU	Groundwater
PMP007DL	2/1/2024	WATER TEMPERATURE	19.1	degC	Groundwater
PMP008DL	2/1/2024	AIR TEMPERATURE	10.0	degC	Groundwater
PMP008DL	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PMP008DL	2/1/2024	PH	6.1	SU	Groundwater
PMP008DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PMP008DL	2/1/2024	SPECIFIC CONDUCTANCE	39.0	uS/cm	Groundwater
PMP008DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	8.0	mg/L	Groundwater
PMP008DL	2/1/2024	TURBIDITY	13.6	NTU	Groundwater
PMP008DL	2/1/2024	WATER TEMPERATURE	18.6	degC	Groundwater
PMW001DL	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PMW001DL	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PMW001DL	1/31/2024	PH	6.3	SU	Groundwater
PMW001DL	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PMW001DL	1/31/2024	SPECIFIC CONDUCTANCE	54.0	uS/cm	Groundwater
PMW001DL	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	11.0	mg/L	Groundwater
PMW001DL	1/31/2024	TURBIDITY	1.7	NTU	Groundwater
PMW001DL	1/31/2024	WATER TEMPERATURE	15.6	degC	Groundwater
PMW005DL	1/31/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PMW005DL	1/31/2024	FLOW RATE	0.1	gal/min	Groundwater
PMW005DL	1/31/2024	PH	7.1	SU	Groundwater
PMW005DL	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PMW005DL	1/31/2024	SPECIFIC CONDUCTANCE	6089.0	uS/cm	Groundwater
PMW005DL	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PMW005DL	1/31/2024	TURBIDITY	11.3	NTU	Groundwater
PMW005DL	1/31/2024	WATER TEMPERATURE	16.7	degC	Groundwater
PRB001DU	1/31/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PRB001DU	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PRB001DU	1/31/2024	PH	6.7	SU	Groundwater
PRB001DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-13 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PRB001DU	1/31/2024	SPECIFIC CONDUCTANCE	243.0	uS/cm	Groundwater
PRB001DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	32.0	mg/L	Groundwater
PRB001DU	1/31/2024	TURBIDITY	31.2	NTU	Groundwater
PRB001DU	1/31/2024	WATER TEMPERATURE	18.0	degC	Groundwater
PRB002DU	1/31/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PRB002DU	1/31/2024	FLOW RATE	0.2	gal/min	Groundwater
PRB002DU	1/31/2024	PH	5.6	SU	Groundwater
PRB002DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PRB002DU	1/31/2024	SPECIFIC CONDUCTANCE	72.0	uS/cm	Groundwater
PRB002DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	4.0	mg/L	Groundwater
PRB002DU	1/31/2024	TURBIDITY	1.7	NTU	Groundwater
PRB002DU	1/31/2024	WATER TEMPERATURE	20.6	degC	Groundwater
PRB003C	1/31/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PRB003C	1/31/2024	FLOW RATE	0.1	gal/min	Groundwater
PRB003C	1/31/2024	PH	5.4	SU	Groundwater
PRB003C	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PRB003C	1/31/2024	SPECIFIC CONDUCTANCE	33.0	uS/cm	Groundwater
PRB003C	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PRB003C	1/31/2024	TURBIDITY	4.1	NTU	Groundwater
PRB003C	1/31/2024	WATER TEMPERATURE	16.7	degC	Groundwater
PRB003DU	1/31/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PRB003DU	1/31/2024	FLOW RATE	0.1	gal/min	Groundwater
PRB003DU	1/31/2024	PH	6.9	SU	Groundwater
PRB003DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PRB003DU	1/31/2024	SPECIFIC CONDUCTANCE	60.0	uS/cm	Groundwater
PRB003DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	15.0	mg/L	Groundwater
PRB003DU	1/31/2024	TURBIDITY	2.8	NTU	Groundwater
PRB003DU	1/31/2024	WATER TEMPERATURE	16.9	degC	Groundwater
PRB004DU	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PRB004DU	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PRB004DU	2/1/2024	PH	6.2	SU	Groundwater
PRB004DU	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PRB004DU	2/1/2024	SPECIFIC CONDUCTANCE	220.0	uS/cm	Groundwater
PRB004DU	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	82.0	mg/L	Groundwater
PRB004DU	2/1/2024	TURBIDITY	10.3	NTU	Groundwater
PRB004DU	2/1/2024	WATER TEMPERATURE	19.7	degC	Groundwater
PRB005C	1/31/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PRB005C	1/31/2024	FLOW RATE	0.1	gal/min	Groundwater
PRB005C	1/31/2024	PH	6.4	SU	Groundwater
PRB005C	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PRB005C	1/31/2024	SPECIFIC CONDUCTANCE	25.0	uS/cm	Groundwater
PRB005C	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	3.0	mg/L	Groundwater
PRB005C	1/31/2024	TURBIDITY	3.2	NTU	Groundwater
PRB005C	1/31/2024	WATER TEMPERATURE	17.8	degC	Groundwater
PRB005DU	1/31/2024	AIR TEMPERATURE	690.0	degC	Groundwater
PRB005DU	1/31/2024	FLOW RATE	0.1	gal/min	Groundwater
PRB005DU	1/31/2024	PH	594.0	SU	Groundwater
PRB005DU	1/31/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PRB005DU	1/31/2024	SPECIFIC CONDUCTANCE	31.0	uS/cm	Groundwater
PRB005DU	1/31/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PRB005DU	1/31/2024	TURBIDITY	5.6	NTU	Groundwater
PRB005DU	1/31/2024	WATER TEMPERATURE	17.7	degC	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
Page D-14 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PSB 1A	2/1/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSB 1A	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PSB 1A	2/1/2024	PH	5.1	SU	Groundwater
PSB 1A	2/1/2024	SPECIFIC CONDUCTANCE	48.0	uS/cm	Groundwater
PSB 1A	2/1/2024	TURBIDITY	10.1	NTU	Groundwater
PSB 1A	2/1/2024	WATER TEMPERATURE	21.2	degC	Groundwater
PSB 2A	2/1/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PSB 2A	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PSB 2A	2/1/2024	PH	4.9	SU	Groundwater
PSB 2A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 2A	2/1/2024	SPECIFIC CONDUCTANCE	60.0	uS/cm	Groundwater
PSB 2A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 2A	2/1/2024	TURBIDITY	1.7	NTU	Groundwater
PSB 2A	2/1/2024	WATER TEMPERATURE	20.2	degC	Groundwater
PSB 3A	2/1/2024	AIR TEMPERATURE	2.0	degC	Groundwater
PSB 3A	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PSB 3A	2/1/2024	PH	4.5	SU	Groundwater
PSB 3A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 3A	2/1/2024	SPECIFIC CONDUCTANCE	51.0	uS/cm	Groundwater
PSB 3A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 3A	2/1/2024	TURBIDITY	0.9	NTU	Groundwater
PSB 3A	2/1/2024	WATER TEMPERATURE	20.3	degC	Groundwater
PSB 4A	2/1/2024	AIR TEMPERATURE	4.0	degC	Groundwater
PSB 4A	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PSB 4A	2/1/2024	PH	4.7	SU	Groundwater
PSB 4A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 4A	2/1/2024	SPECIFIC CONDUCTANCE	27.0	uS/cm	Groundwater
PSB 4A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 4A	2/1/2024	TURBIDITY	2.8	NTU	Groundwater
PSB 4A	2/1/2024	WATER TEMPERATURE	20.2	degC	Groundwater
PSB 7A	2/1/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PSB 7A	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PSB 7A	2/1/2024	PH	4.9	SU	Groundwater
PSB 7A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 7A	2/1/2024	SPECIFIC CONDUCTANCE	40.0	uS/cm	Groundwater
PSB 7A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 7A	2/1/2024	TURBIDITY	5.0	NTU	Groundwater
PSB 7A	2/1/2024	WATER TEMPERATURE	21.5	degC	Groundwater
PSB 11	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PSB 11	2/1/2024	FLOW RATE	0.5	gal/min	Groundwater
PSB 11	2/1/2024	PH	4.6	SU	Groundwater
PSB 11	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 11	2/1/2024	SPECIFIC CONDUCTANCE	32.0	uS/cm	Groundwater
PSB 11	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB 11	2/1/2024	TURBIDITY	0.4	NTU	Groundwater
PSB 11	2/1/2024	WATER TEMPERATURE	18.8	degC	Groundwater
PSB002AA	2/1/2024	AIR TEMPERATURE	10.0	degC	Groundwater
PSB002AA	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB002AA	2/1/2024	PH	5.7	SU	Groundwater
PSB002AA	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB002AA	2/1/2024	SPECIFIC CONDUCTANCE	28.0	uS/cm	Groundwater
PSB002AA	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	5.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
 Page D-15 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PSB002AA	2/1/2024	TURBIDITY	2.4	NTU	Groundwater
PSB002AA	2/1/2024	WATER TEMPERATURE	18.8	degC	Groundwater
PSB002AL	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PSB002AL	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PSB002AL	2/1/2024	PH	6.7	SU	Groundwater
PSB002AL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	12.0	mg/L	Groundwater
PSB002AL	2/1/2024	SPECIFIC CONDUCTANCE	115.0	uS/cm	Groundwater
PSB002AL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	34.0	mg/L	Groundwater
PSB002AL	2/1/2024	TURBIDITY	4.3	NTU	Groundwater
PSB002AL	2/1/2024	WATER TEMPERATURE	18.5	degC	Groundwater
PSB002B	2/1/2024	AIR TEMPERATURE	3.0	degC	Groundwater
PSB002B	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB002B	2/1/2024	PH	6.2	SU	Groundwater
PSB002B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB002B	2/1/2024	SPECIFIC CONDUCTANCE	26.0	uS/cm	Groundwater
PSB002B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	22.0	mg/L	Groundwater
PSB002B	2/1/2024	TURBIDITY	1.4	NTU	Groundwater
PSB002B	2/1/2024	WATER TEMPERATURE	19.0	degC	Groundwater
PSB002C	2/1/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PSB002C	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB002C	2/1/2024	PH	6.3	SU	Groundwater
PSB002C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB002C	2/1/2024	SPECIFIC CONDUCTANCE	42.0	uS/cm	Groundwater
PSB002C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	26.0	mg/L	Groundwater
PSB002C	2/1/2024	TURBIDITY	8.1	NTU	Groundwater
PSB002C	2/1/2024	WATER TEMPERATURE	19.0	degC	Groundwater
PSB002DL	2/1/2024	AIR TEMPERATURE	13.0	degC	Groundwater
PSB002DL	2/1/2024	FLOW RATE	0.1	gal/min	Groundwater
PSB002DL	2/1/2024	PH	5.7	SU	Groundwater
PSB002DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB002DL	2/1/2024	SPECIFIC CONDUCTANCE	53.0	uS/cm	Groundwater
PSB002DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	18.0	mg/L	Groundwater
PSB002DL	2/1/2024	TURBIDITY	6.8	NTU	Groundwater
PSB002DL	2/1/2024	WATER TEMPERATURE	19.2	degC	Groundwater
PSB003DL	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PSB003DL	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB003DL	2/1/2024	PH	4.9	SU	Groundwater
PSB003DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB003DL	2/1/2024	SPECIFIC CONDUCTANCE	48.0	uS/cm	Groundwater
PSB003DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB003DL	2/1/2024	TURBIDITY	2.2	NTU	Groundwater
PSB003DL	2/1/2024	WATER TEMPERATURE	19.0	degC	Groundwater
PSB011A	2/1/2024	AIR TEMPERATURE	2.0	degC	Groundwater
PSB011A	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB011A	2/1/2024	PH	5.5	SU	Groundwater
PSB011A	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB011A	2/1/2024	SPECIFIC CONDUCTANCE	34.0	uS/cm	Groundwater
PSB011A	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	6.0	mg/L	Groundwater
PSB011A	2/1/2024	TURBIDITY	0.8	NTU	Groundwater
PSB011A	2/1/2024	WATER TEMPERATURE	16.5	degC	Groundwater
PSB011B	2/1/2024	AIR TEMPERATURE	0.0	degC	Groundwater
PSB011B	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
 Page D-16 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PSB011B	2/1/2024	PH	5.8	SU	Groundwater
PSB011B	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB011B	2/1/2024	SPECIFIC CONDUCTANCE	26.0	uS/cm	Groundwater
PSB011B	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	5.0	mg/L	Groundwater
PSB011B	2/1/2024	TURBIDITY	2.6	NTU	Groundwater
PSB011B	2/1/2024	WATER TEMPERATURE	18.0	degC	Groundwater
PSB011C	2/1/2024	AIR TEMPERATURE	1.0	degC	Groundwater
PSB011C	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB011C	2/1/2024	PH	5.2	SU	Groundwater
PSB011C	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB011C	2/1/2024	SPECIFIC CONDUCTANCE	24.0	uS/cm	Groundwater
PSB011C	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PSB011C	2/1/2024	TURBIDITY	4.8	NTU	Groundwater
PSB011C	2/1/2024	WATER TEMPERATURE	18.2	degC	Groundwater
PSB011DL	2/1/2024	AIR TEMPERATURE	3.0	degC	Groundwater
PSB011DL	2/1/2024	FLOW RATE	0.2	gal/min	Groundwater
PSB011DL	2/1/2024	PH	5.7	SU	Groundwater
PSB011DL	2/1/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSB011DL	2/1/2024	SPECIFIC CONDUCTANCE	41.0	uS/cm	Groundwater
PSB011DL	2/1/2024	TOTAL ALKALINITY (AS CaCO3)	5.0	mg/L	Groundwater
PSB011DL	2/1/2024	TURBIDITY	9.6	NTU	Groundwater
PSB011DL	2/1/2024	WATER TEMPERATURE	18.0	degC	Groundwater
PSC002D1	2/5/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSC002D1	2/5/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC002D1	2/5/2024	PH	5.1	SU	Groundwater
PSC002D1	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC002D1	2/5/2024	SPECIFIC CONDUCTANCE	60.0	uS/cm	Groundwater
PSC002D1	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	1.0	mg/L	Groundwater
PSC002D1	2/5/2024	TURBIDITY	990.0	NTU	Groundwater
PSC002D1	2/5/2024	WATER TEMPERATURE	9.7	degC	Groundwater
PSC002D2	2/5/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSC002D2	2/5/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC002D2	2/5/2024	PH	4.9	SU	Groundwater
PSC002D2	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC002D2	2/5/2024	SPECIFIC CONDUCTANCE	28.0	uS/cm	Groundwater
PSC002D2	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC002D2	2/5/2024	TURBIDITY	5.3	NTU	Groundwater
PSC002D2	2/5/2024	WATER TEMPERATURE	14.1	degC	Groundwater
PSC003D1	2/5/2024	AIR TEMPERATURE	7.0	degC	Groundwater
PSC003D1	2/5/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC003D1	2/5/2024	PH	4.9	SU	Groundwater
PSC003D1	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC003D1	2/5/2024	SPECIFIC CONDUCTANCE	25.0	uS/cm	Groundwater
PSC003D1	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC003D1	2/5/2024	TURBIDITY	13.9	NTU	Groundwater
PSC003D1	2/5/2024	WATER TEMPERATURE	13.3	degC	Groundwater
PSC003D2	2/5/2024	AIR TEMPERATURE	8.0	degC	Groundwater
PSC003D2	2/5/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC003D2	2/5/2024	PH	4.5	SU	Groundwater
PSC003D2	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC003D2	2/5/2024	SPECIFIC CONDUCTANCE	31.0	uS/cm	Groundwater
PSC003D2	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
SRNS-RP-2024-01436
SRNS-RP-2024-01436
Rev 0
Page D-17 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
PSC003D2	2/5/2024	TURBIDITY	1.9	NTU	Groundwater
PSC003D2	2/5/2024	WATER TEMPERATURE	16.1	degC	Groundwater
PSC004D1	2/5/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSC004D1	2/5/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC004D1	2/5/2024	PH	5.5	SU	Groundwater
PSC004D1	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC004D1	2/5/2024	SPECIFIC CONDUCTANCE	18.0	uS/cm	Groundwater
PSC004D1	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	6.0	mg/L	Groundwater
PSC004D1	2/5/2024	TURBIDITY	3.7	NTU	Groundwater
PSC004D1	2/5/2024	WATER TEMPERATURE	14.8	degC	Groundwater
PSC004D2	2/5/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSC004D2	2/5/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC004D2	2/5/2024	PH	5.5	SU	Groundwater
PSC004D2	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC004D2	2/5/2024	SPECIFIC CONDUCTANCE	25.0	uS/cm	Groundwater
PSC004D2	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	9.0	mg/L	Groundwater
PSC004D2	2/5/2024	TURBIDITY	13.7	NTU	Groundwater
PSC004D2	2/5/2024	WATER TEMPERATURE	13.5	degC	Groundwater
PSC005D1	2/5/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSC005D1	2/5/2024	FLOW RATE	0.2	gal/min	Groundwater
PSC005D1	2/5/2024	PH	5.1	SU	Groundwater
PSC005D1	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC005D1	2/5/2024	SPECIFIC CONDUCTANCE	27.1	uS/cm	Groundwater
PSC005D1	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PSC005D1	2/5/2024	TURBIDITY	1.6	NTU	Groundwater
PSC005D1	2/5/2024	WATER TEMPERATURE	14.7	degC	Groundwater
PSC005D2	2/5/2024	AIR TEMPERATURE	6.0	degC	Groundwater
PSC005D2	2/5/2024	FLOW RATE	0.2	gal/min	Groundwater
PSC005D2	2/5/2024	PH	5.1	SU	Groundwater
PSC005D2	2/5/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC005D2	2/5/2024	SPECIFIC CONDUCTANCE	30.1	uS/cm	Groundwater
PSC005D2	2/5/2024	TOTAL ALKALINITY (AS CaCO3)	6.0	mg/L	Groundwater
PSC005D2	2/5/2024	TURBIDITY	1.2	NTU	Groundwater
PSC005D2	2/5/2024	WATER TEMPERATURE	14.6	degC	Groundwater
PSC006D1	2/6/2024	AIR TEMPERATURE	4.0	degC	Groundwater
PSC006D1	2/6/2024	FLOW RATE	0.1	gal/min	Groundwater
PSC006D1	2/6/2024	PH	5.5	SU	Groundwater
PSC006D1	2/6/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC006D1	2/6/2024	SPECIFIC CONDUCTANCE	31.0	uS/cm	Groundwater
PSC006D1	2/6/2024	TOTAL ALKALINITY (AS CaCO3)	4.0	mg/L	Groundwater
PSC006D1	2/6/2024	TURBIDITY	14.7	NTU	Groundwater
PSC006D1	2/6/2024	WATER TEMPERATURE	9.3	degC	Groundwater
PSC006D2	2/6/2024	AIR TEMPERATURE	5.0	degC	Groundwater
PSC006D2	2/6/2024	FLOW RATE	0.2	gal/min	Groundwater
PSC006D2	2/6/2024	PH	5.4	SU	Groundwater
PSC006D2	2/6/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Groundwater
PSC006D2	2/6/2024	SPECIFIC CONDUCTANCE	23.0	uS/cm	Groundwater
PSC006D2	2/6/2024	TOTAL ALKALINITY (AS CaCO3)	2.0	mg/L	Groundwater
PSC006D2	2/6/2024	TURBIDITY	8.2	NTU	Groundwater
PSC006D2	2/6/2024	WATER TEMPERATURE	12.3	degC	Groundwater
SC-02	2/7/2024	AIR TEMPERATURE	1.0	degC	Surface Water
SC-02	2/7/2024	FLOW RATE	0.0	ft3/s	Surface Water

Groundwater Report for the PAGW OU (U) 2024
Savannah River Site
February 2025

ARF-024917
 SRNS-RP-2024-01436
SRNS-RP-2024-01436
 Rev 0
 Page D-18 of D-18

Station ID	Date	Analyte	Results	Units	Matrix
SC-02	2/7/2024	PH	4.7	pH	Surface Water
SC-02	2/7/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-02	2/7/2024	SPECIFIC CONDUCTANCE	54.0	uS/cm	Surface Water
SC-02	2/7/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-02	2/7/2024	TURBIDITY	2.8	NTU	Surface Water
SC-02	2/7/2024	WATER TEMPERATURE	5.9	degC	Surface Water
SC-03	2/7/2024	AIR TEMPERATURE	1.0	degC	Surface Water
SC-03	2/7/2024	FLOW RATE	0.1	ft3/s	Surface Water
SC-03	2/7/2024	PH	4.9	pH	Surface Water
SC-03	2/7/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-03	2/7/2024	SPECIFIC CONDUCTANCE	38.0	uS/cm	Surface Water
SC-03	2/7/2024	TOTAL ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-03	2/7/2024	TURBIDITY	1.1	NTU	Surface Water
SC-03	2/7/2024	WATER TEMPERATURE	9.4	degC	Surface Water
SC-04	2/7/2024	AIR TEMPERATURE	3.0	degC	Surface Water
SC-04	2/7/2024	FLOW RATE	0.4	ft3/s	Surface Water
SC-04	2/7/2024	PH	5.8	pH	Surface Water
SC-04	2/7/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-04	2/7/2024	SPECIFIC CONDUCTANCE	30.0	uS/cm	Surface Water
SC-04	2/7/2024	TOTAL ALKALINITY (AS CaCO3)	3.0	mg/L	Surface Water
SC-04	2/7/2024	TURBIDITY	11.6	NTU	Surface Water
SC-04	2/7/2024	WATER TEMPERATURE	7.7	degC	Surface Water
SC-07	2/7/2024	AIR TEMPERATURE	7.0	degC	Surface Water
SC-07	2/7/2024	FLOW RATE	1.0	ft3/s	Surface Water
SC-07	2/7/2024	PH	5.9	pH	Surface Water
SC-07	2/7/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-07	2/7/2024	SPECIFIC CONDUCTANCE	37.0	uS/cm	Surface Water
SC-07	2/7/2024	TOTAL ALKALINITY (AS CaCO3)	3.0	mg/L	Surface Water
SC-07	2/7/2024	TURBIDITY	4.0	NTU	Surface Water
SC-07	2/7/2024	WATER TEMPERATURE	9.9	degC	Surface Water
SC-08	2/7/2024	AIR TEMPERATURE	9.0	degC	Surface Water
SC-08	2/7/2024	FLOW RATE	1.2	ft3/s	Surface Water
SC-08	2/7/2024	PH	6.3	pH	Surface Water
SC-08	2/7/2024	PHENOLPHTHALEIN ALKALINITY (AS CaCO3)	0.0	mg/L	Surface Water
SC-08	2/7/2024	SPECIFIC CONDUCTANCE	41.0	uS/cm	Surface Water
SC-08	2/7/2024	TOTAL ALKALINITY (AS CaCO3)	5.0	mg/L	Surface Water
SC-08	2/7/2024	TURBIDITY	4.5	NTU	Surface Water
SC-08	2/7/2024	WATER TEMPERATURE	9.8	degC	Surface Water