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CFR Long-Term Remedy Performance Monitoring Report #7 (Q3 2024)

July – September 2024

Chemours Fayetteville Works

Prepared for

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EXECUTIVE SUMMARY

This CFR Long-Term Remedy Performance Monitoring Report #7 ("Report") has been prepared for the Q3 2024 period of July 1 through September 30, 2024, and documents the operation of the interim seep Flow-Through Cells (FTCs), the ex-situ seeps and weeps capture systems ("Ex-Situ Capture Systems"), the groundwater extraction and conveyance system (GWEC), and the groundwater treatment plant (GWTP). The table below summarizes the flow capture in millions of gallons (MG) and the per- and polyfluoroalkyl substances (PFAS) removal (Table 3+ [17 compounds]) in pounds (lbs) for each remedy element.

Remedy Element	Report Period (Jul – Sep 2024)		Cumulative through September 2024*	
	Flow Captured/ Treated (MG)	Mass Removed (lbs)	Flow Captured/ Treated (MG)	Mass Removed (lbs)
Interim FTCs	2.8	0.4	432.0	551.6
004 Treatment Plant	54.7	57.0	347.2	416.2
Ex-Situ Capture Systems	*12.5*	*Included in 004*	*36.9*	*Included in 004*
GWEC	*43.2*	*Included in 004*	*318.9*	*Included in 004*
Total (Interim FTCs + 004)**	**57.5**	**57.4**	**779.2**	**967.8**

**Cumulative values reflect the lifetime operation of each remedy component (e.g., since December 2020 for Interim FTC Seep C). Please note that some previous reports have reported the total mass removed of 20 Compounds. Mass removal in this report for all remedy components is reported as 17 Compounds.*
***Differences in flow totals are attributable to the measurement resolution of flow meters on the different remedy systems as well as storage time in the surge pond, break tank, and other components. The calculated total influent of the Ex-Situ Capture Systems and GWEC system above is 55.7 MG for Q3 2024. The total influent as measured by Veolia's flow meter was 56.3 MG. The total effluent as measured by Veolia's flow meter was 54.7 MG as shown.*

Flow into the interim FTCs has decreased significantly since the completion of the barrier wall and implementation of the Ex-Situ Capture Systems and GWEC system. Between July 2021 and June 2023, the interim FTCs collectively processed 14.8 MG per month on average. In Q3 2024, the monthly average was 0.94 MG (an approximate 94% decrease). Batch mode processing has been necessary in order to maintain treatment efficiency at the reduced flow rates. During dry weather, with the FTCs offline, the impoundment elevations at the FTCs either remain stagnant or decrease, indicating that the long-term remedy components have eliminated the observable dry weather flow. As the FTCs now treat predominately rainwater mixed with stagnant residual groundwater, the concentration of PFAS in the influent has also decreased. Between July 2021 and June 2023, the average influent PFAS concentration (Total Table 3+, 17 compounds) across the

four FTCs was approximately 150,300 nanograms per liter (ng/L); between July 2023 and September 2024, it was 31,900 ng/L (an approximate 79% decrease). Overall, the combination of reduced flow and concentration has resulted in a significant reduction in mass discharge into the FTCs and an asymptotic PFAS mass removal trend.

The GWEC system has been operating at a steady-state extraction rate since approximately September 2023, after the extraction well (EW) startup in March 2023 resulted in initial declines in the Black Creek aquifer water levels. The average pumping rate in Q3 2024 was 328 gallons per minute (gpm). The Ex-Situ Capture systems flow trends are dependent on weather conditions and are therefore more variable. The 004 GWTP removed greater than 99% of PFAS[1] from the combined flow of the GWEC and Ex-Situ Capture Systems.

Performance monitoring activities, including hydraulic head monitoring and surface water sampling, are also documented in this Report. Similar to the previous reporting period, performance monitoring indicates that the GWEC system has resulted in a reduction in hydraulic gradient between the barrier wall and the Cape Fear River, thus reducing groundwater PFAS mass flux to the Cape Fear River. This reduction in PFAS mass discharge is evident in the diminished flows into the FTCs and is also documented in a report for the Mass Loading Model (MLM) program, submitted for the same reporting period concurrent to this Report (Geosyntec, 2024e).

Collectively, the Willis Creek EWs are exerting drawdown of the Black Creek aquifer along the length of the Willis Creek alignment, particularly in the midsection, with nearly 8 feet of groundwater elevation reduction measured in monitoring wells. Drawdown along the alignment has also resulted in four EWs with insufficient water to pump, as compared to startup, demonstrating overlapping influence within the EWs from the collective pumping. The extensive drawdown is a line of evidence of hydraulic control. Additionally, a reduction in Willis Creek mass discharges has been observed. At sampling locations WC-2 (upstream) and WC-1 (downstream near the confluence with the Cape Fear River), the post-startup mass discharge to Willis Creek along this reach is estimated to be approximately 50% less than pre-startup.

[1] As measured by indicator parameters hexafluoropropylene oxide dimer (HFPO-DA), perfluoromethoxypropyl carboxylic acid (PMPA), and perfluoro-2-methoxyaceticacid (PFMOAA)

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LIST OF ACRONYMS AND ABBREVIATIONS

CAP	Corrective Action Plan
CFR	Cape Fear River
COA	Addendum to Consent Order Paragraph 12
DO	dissolved oxygen
DQO	data quality objectives
DVM	Data Verification Module
eDMR	Electronic Discharge Monitoring Reports
EIM	Environmental Information Management
EPA	Environmental Protection Agency
EW	extraction well
gpm	gallons per minute
FB	filter bed
FTC	flow-through cells
GAC	granular activated carbon
GWEC	groundwater extraction and conveyance
GWTP	groundwater treatment plant
HFPO-DA	hexafluoropropylene oxide-dimer acid
lbs	pounds
MG	million gallons
mg/L	milligram per liter
µS/cm	microsiemens per centimeter
MLM	mass loading model
NCDEQ	North Carolina Department of Environmental Quality
NAVD88	North American Vertical Datum of 1988
ng/L	nanograms per liter
NPDES	National Pollutant Discharge Elimination System
NTU	nephelometric turbidity units
OM&M	operations, maintenance, and monitoring
OW	observation well

PFAS	per- and polyfluoroalkyl substances
PFM	Passive Flux Meter
PFMOAA	perfluoro-2-methoxyacetic acid
PFPrA	perfluoropropanoic acid
PMP	Performance Monitoring Plan
PMPA	perfluoro-2-methoxypropionic acid
QA/QC	quality assurance/quality control
RPD	relative percent difference
SU	standard units
TSS	total suspended solids
USGS	United States Geological Survey
WC	Willis Creek

1 INTRODUCTION

Geosyntec Consultants of NC, P.C. (Geosyntec) has prepared this CFR Long-Term Remedy Performance Monitoring Report #7 ("Report") on behalf of The Chemours Company FC, LLC (Chemours) to provide a summary report of Operations, Maintenance, and Monitoring (OM&M) for the groundwater and seep remedies installed at the Chemours Fayetteville Works Site (the Site) pursuant to the Addendum to the Consent Order Paragraph 12 [COA] Paragraph 2.c.v.

This Report has been prepared for the period of July 1 through September 30, 2024 (Q3 2024). The remedy components consist of the interim in-situ flow-through cells (FTCs), groundwater extraction and conveyance (GWEC) system, the Ex-Situ Seeps and Weeps capture systems ("Ex-Situ Capture Systems"), and the groundwater treatment plant (GWTP). The components of the remedies are shown in an overview layout in Figure 1-1. Various monitoring and sampling activities were conducted during the reporting period as summarized in Table 1-1.

1.1 Data Validation

Laboratory analytical data for the samples collected during the Q3 2024 reporting period were reviewed using the Data Verification Module (DVM) within the Locus™ Environmental Information Management (EIM) system, a commercial data management software program. Following the DVM process, a manual review of the data was conducted. The DVM and the manual review results were combined in a DVM narrative report for each set of sample results which is consistent with Stage 2b of the *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (USEPA, 2009). The DVM narrative report summarizes which samples were qualified (if any), the specific reasons for the qualification, and any potential bias in reported results. The data usability, in view of the project's data quality objectives (DQOs), was assessed, and the data were entered into the EIM system.

The data were evaluated by the DVM against the following data usability checks:

- Hold time criteria
- Field and laboratory blank contamination
- Completeness of Quality Assurance/Quality Control (QA/QC) samples
- Matrix spike/matrix spike duplicate recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample/control sample duplicate recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses

- RPD between field duplicate sample pairs

A manual review of the data was also conducted, which included visual inspection of sample chromatograms for appropriate integration and retention time, verification that detections in field or equipment blanks have been applied to all applicable samples, and review of temperature requirements for sample preservation during storage and shipping. Based on the results of the DVM plus manual review, the following data evaluation qualifiers were applied to the analytical results as required:

- J - Analyte present, reported value may not be accurate or precise.
- UJ - Analyte not present above the reporting limit, reporting limit may not be accurate or precise.
- B - Analyte present in a blank sample, reported value may have a high bias.

The DVM narrative reports are provided in Appendix A. Overall, the DQOs were met for accuracy and precision. The data collected are believed to be complete, representative, and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE; matrix interference studies have shown that quantitation of these compounds is inaccurate due to interferences by the sample matrix (Geosyntec, 2020a). Results for these three analytes are J-qualified as estimated.

During the Q3 2024 sampling events, all samples were within the acceptable temperature requirements for preservation during storage and shipping (i.e., between not frozen to 6°C with a target of 4°C) as outlined in the Chemours per- and polyfluoroalkyl substances (PFAS) Program QAPP (AECOM, 2018).

1.2 Laboratory Analyses

Groundwater and surface water samples collected in Q3 2024 were analyzed for 21 Table 3+ PFAS and 35 other PFAS compounds by Method 537MM. Matrix interference studies have shown that quantitation of three of the compounds included in the Table 3+ PFAS group, R-PSDA, Hydrolyzed PSDA, and R-EVE[1] is inaccurate due to interferences by the sample matrix (Geosyntec, 2020a). Groundwater and surface water results for Table 3+ PFAS compounds are presented in report tables as three PFAS groupings:

- Total Table 3+ (21 compounds), which is the sum of all Table 3+ PFAS compounds.

[1] 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-pentanoic acid (R-PSDA), 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-acetic acid, (Hydrolyzed PSDA), and 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid (R-EVE)

- Total Table 3+ (18 compounds), which excludes R-PSDA, Hydrolyzed PSDA, and R-EVE due to the matrix interferences noted above.

- Total Table 3+ (17 compounds), which additionally excludes perfluoropropanoic acid (PFPrA), to allow for a direct comparison of results to prior years and to discuss mass removal of remedial components. Although the report tables include results for the three groupings above, the text and figures of this report focus on the Total Table 3+ (17 compounds) PFAS grouping.

2 IN-SITU SEEP FLOW-THROUGH CELLS

The in-situ FTC remedies have been in operation since December 2020 beginning with Seep C. Detailed information on the hydraulic mechanics of the FTC system, flood management practices, data collection methodology and reduction process, and flow calculation formulas is presented in previous Seeps O&M reports. As a simplifying step for presentation clarity, at various sections in this report, reference is made to these details within Seeps O&M Report #14 (Geosyntec, 2023a), the last of the bimonthly Seeps O&M Reports.

2.1 Inspections, Operation, and Maintenance

The following sections describe the inspections, operation, and maintenance activities completed at the four FTCs during the current reporting period.

2.1.1 Inspections

Routine inspections occurred on a weekly basis (at a minimum), and also occurred within a 24-hour period after rain events of 0.5 inches or greater. An Inspection Form was filled out by O&M personnel during each inspection. A summary of the inspection and maintenance events completed during this reporting period is provided in Tables 2-1A-D for Seeps A-D, respectively.

2.1.2 Duty Cycling

Tables 2-1A-D detail the filter bed (FB) configurations for Seeps A-D over the reporting period of July 1 through September 30, 2024. The table below summarizes the approximate number of days in the reporting period each FTC was either in batch mode operation (i.e., the FTC closed to flow); or if in operation, which filter bed was in lead.

Seep	FTC Closed to Flow in Batch Mode (days)	FB1 Lead (days)	FB2 Lead (days)
A	70	0	22
B	76	0	16
C	67	17	8
D	71	21	0

2.1.3 FTC Management During River Flooding

During the reporting period, the Cape Fear River rose above the action level[2] from August 8 to August 14 (Hurricane Debby), September 17 to September 22, and September 28 to October 3

[2] See Section 2.3 of Seeps O&M Report #14 for details regarding the action level that was established to protect the electronic components of the autosamplers from flood events.

(Hurricane Helene), 2024. The river rose above the top of the wall during each occurrence. Cape Fear River elevation data are described in Section 2.3.4. Cape Fear River elevation statistics are presented in Table 2-2, and elevation changes during the reporting period are shown on Figure 2-1A-D.

2.1.4 Material Changeouts

The table below summarizes the material changeouts through this reporting period:

Seep	Filter Bed	Granular Activated Carbon (GAC) Changeouts		
		Date	GAC Age/Lead Days	GAC Removed (lbs)
C	FB1	9/5/2024	245/131	9,000
			Total	*9,000*

2.1.5 Issue Resolution and System Optimization

None.

2.2 Data Collected

Details regarding the procedures for each type of data collected, including pressure transducer management and data processing, rainfall and river stage data collation, and sample collection can be found in Seeps O&M Report #14. An overview is provided in the table below. The transducer data reduction process for the current reporting period is provided in Appendix B.

Data Type	Monitoring During Q3 2024
Impoundment Elevation	Monitored every 15-minutes using pressure transducers in the influent stilling basins, and with daily observation of the staff gauges in the impoundments.
Flowrate Measurements	Monitored for flow every 15-minutes using pressure transducers during passive flow operation; or measured with a flowmeter when directly pumped from the impoundment into the lead filter bed.
Rainfall and River Stage	Monitored every 15 minutes using data from the W.O. Huske Dam (gauge 02105500).
Performance Monitoring and Water Quality Measurements	Sampling is only able to be performed when the FTCs are open to flow in batch mode. After sufficient rainfall has raised the impoundment level, an FTC is opened to flow and a 24-hour composite sample is collected. As dry weather flow has terminated and the FTCs are treating predominately rainwater, in some cases rainwater that has accumulated over multiple rain events and periods of days or weeks, it is no longer practical to collect contemporaneous wet weather monitoring samples. Therefore, all FTC samples are designated performance monitoring samples. During this reporting period, five sets of performance monitoring samples were collected from Seeps A, C, and D. One set of performance samples was collected from Seep B. There were no deviations in the reporting period. Dates of composite periods for each sample are listed in Tables 2-3A-D. Water quality in the Inlet Chamber and Effluent Stilling Basin at Seeps A-D was monitored at the same frequency as performance monitoring.
Breakthrough Monitoring	Grab samples were collected from the Inlet Chamber, Transfer Basin, and Effluent Stilling Basin at Seeps A-D for evaluation of system performance and the need for GAC changeouts. One set of breakthrough monitoring samples were collected from Seeps A, C, and D. Breakthrough monitoring samples were not collected from Seep B during this reporting period.

2.3 Results

The results for each type of data collected are described in detail in the following subsections. Laboratory analytical results are compiled in Appendix A. An overview of the results is as follows:

Reporting Period Metric	Seep A	Seep B	Seep C	Seep D	Total
Rainfall, Actual (inches)	24.68 (*July 1 – September 30, 2024)*				
Rainfall, Historical Average (inches)	13.43 *(July 1 – September 30, 2004-2020)*				
River Above Spillway (days) [1]	10.7	9.5	9.7	10.7	N/A
Median Flow Rate over full reporting period (gpm) [2]	0	0	0	0	0
Median Flow Rate (gpm) when in operation [3]	28	86	46	42	362
Seep Volume Treated (MG)	0.5	0.6	1.0	0.7	2.8
PFAS Removed (lbs) [4]	0.09	0.04	0.05	0.17	0.4

1 - Seeps A and D are approximately 1 ft lower in elevation than Seeps B and C.

2 – Median flow rate calculated during entire reporting period, including during batch mode operations when cells are closed to flow.

3 – Median flow rate calculated when FTCs were processing flow (i.e., not in batch mode).

4 – Total PFAS calculations are based on the total Table 3+ (17 compounds) presented in Table 2-4A-D.

2.3.1 System Flowrates and Operational Periods

System Flowrates

Figure 2-2A-D show the measurable flowrates through the FTC over the reporting period for Seeps A-D, respectively. As shown in Figure 2-3, total volume discharged by the FTCs has decreased dramatically. In Q3 2024, 2.8 MG was treated by the four FTCs. The reductions in flow are attributed to the barrier wall and the operation of the groundwater extraction system and Ex-Situ Capture Systems. Prior to these remedies, the average quarterly volume treated by the FTCs was 44.5 MG (an approximate 94% reduction of flow into the FTCs).

Bypass

The influent water level elevation and occurrences of bypass flow for Seeps A-D for the reporting period are shown in Figure 2-4A-D. The total rainfall received in the reporting period is shown below. Instances of bypass were associated with heavy rains and river flooding.

Period	Rainfall (inches)	Historical Rainfall (inches)	% Change Compared to Historical
July 2024	5.42	3.89	+39%
August 2024	12.74	5.24	+143%
September 2024	6.52	4.30	+52%
Q3 2024	24.68	13.43	+84%

Long-Term Remedy Impacts on Baseflow

Figure 2-4A-D depict the elevation of the influent stilling basin (via transducer) and impoundment (via staff gauge) at Seeps A-D and instances of batch mode processing. As shown, even with the FTCs turned off, the impoundment elevation generally appears to respond only during rainfall events, indicating that the long-term remedy components have eliminated the observable dry weather flow.

2.3.2 Performance Monitoring Analytical Results

As noted in Section 2.2, after sufficient rainfall has raised the impoundment level, an FTC is opened to flow, and a 24-hour composite sample is collected. As dry weather flow has terminated and the FTCs are treating predominately rainwater, in some cases rainwater that has accumulated over multiple rain events and periods of days or weeks, it is no longer practical to collect contemporaneous wet weather monitoring samples. Therefore, all FTC samples are designated performance monitoring samples.

Analytical results for the composite performance monitoring samples are provided in Tables 2-4A-D and summarized below. Figure 2-5 shows the influent concentration of total Table 3+ PFAS (17 compounds) into the FTCs. For data up through December 2022 (approximately the time when barrier wall test panel installation began), the average influent concentration into FTCs A-D ranged from 102,000 to 236,000 nanograms per liter (ng/L). As shown below, the average influent concentration into the FTCs in Q3 2024 ranged from 4,940 to 31,000 ng/L. This reduction in concentration is attributed to the barrier wall cutting off upgradient groundwater flow, and the overall contribution of water balance into the FTCs becoming more dominated by wet weather,

rainfall derived flow. The combination of significantly reduced flow and concentration has resulted in an asymptotic PFAS mass removal trend as shown in Figure 2-6.

Implementation of batch mode, in which the impoundment levels are managed such that accumulated water in the basin is processed at flow rates more typical of the historical operation, appear to be increasing the removal efficiencies to the same level (i.e., >99%) as previous reporting periods.

Analytical Results – Performance Monitoring	**Seep A**	**Seep B**	**Seep C**	**Seep D**
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L) [1]	31,000	12,000	4,940	19,760
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	88	220	90	38
Average Removal Efficiency (%)	99.7	98.2	98.2	99.7

1 – Performance samples were only collected when FTCs were open to flow (i.e., not in batch mode). During the reporting period, Seeps A- D were open to flow between 16 and 25 days during the reporting period.

2.3.3 System Effectiveness

System effectiveness calculation procedures are presented Seeps O&M Report #14. Based on the system flowrate data and the performance monitoring composite sample data of the three indicator compounds, the system effectiveness for Seeps A-D was calculated as follows.

	System Effectiveness (%)			
	Seep A	**Seep B**	**Seep C**	**Seep D**
July	99.8	No Flow	99.5	No Flow
August	99.4	No Flow	99.8	99.9
September	99.5	97.9	93.4	99.5
Overall Average	*98.7*			

2.3.4 River Elevation and Precipitation

On August 8 due to effects from Hurricane Debby, the Cape Fear River rose above the elevation of the top of wall at all four FTCs. The river peaked at an elevation of 52.51 ft NAVD88 (a 99.7% percentile value of the 2007-2020 river gage dataset). The Cape Fear River receded below the wall at all four FTCs by August 14 and receded below the discharge invert at all four FTCs by August 24. On September 17, the Cape Fear River rose above the elevation of the top of wall at all four FTCs, receded below the wall at all four FTCs by September 22 and receded below the discharge

invert at all four FTCs by September 24. Shortly after this flood event, the Cape Fear River again rose above the elevation of the top of wall at all four FTCs on September 28 due to Hurricane Helene and was still above the top of GAC elevation at all four FTCs on September 30. The changes in elevation of the Cape Fear River during the reporting period (July 1 through September 30, 2024) are shown in Figure 2-1A-D.

Table 2-2 presents the percent of time the elevation of the Cape Fear River has exceeded these key elevations over the lifetime of operation at each Seep FTC. As shown, the amount of time the river has been above the FTC features is similar to the historical record.

2.3.5 Water Quality

The water quality measurements collected during the reporting period are provided in Tables 2--5A-D and described below:

- **Dissolved Oxygen (DO):** No significant differences were observed in the fluctuations of DO between influent and effluent locations at Seeps A-D. On a median basis, the DO changed by 1.0 milligrams per liter (mg/L) or less. Aerobic (>2 mg/L) conditions were consistently observed during the reporting period.

- **Temperature:** At Seeps A- D, the median temperature of the effluent was within 1.1°C of the median temperature of the influent during this reporting period.

- **Specific Conductance:** For Seeps A-D, the difference in median specific conductance across influent and effluent locations ranged between −22 and 27.1 microSiemens per centimeter (µS/cm). During normal hydraulic conditions, the FTC is expected to have little effect on the anion/cation content of the seep baseflow.

- **pH:** The median influent pH at Seeps A-D ranged from 6.2 to 7.6, and the median effluent pH ranged from 4.7 to 7.6 standard units (SU) in this reporting period. From the Inlet Chamber to the Effluent Stilling Basin, the median pH of treated water at Seeps A, B, C, and D changed by 2.8, 0.4, 0, and 0.1 SU, respectively.

- **Turbidity:** The median turbidity of the influent water at Seeps A, B, C, and D ranged from 10.2 to 77.9 nephelometric turbidity units (NTU). The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A, B, C, and D ranged from 0.2 to 8.4 NTU.

- **Total Suspended Solids (TSS):** The median influent TSS at Seeps A-D ranged from 5 to 30 mg/L. Median effluent TSS at Seeps A-D was detected in minimal concentrations (between 2 and 4.4 mg/L). As was the case with turbidity, the FTCs generally decreased the TSS in the influent water.

3 EX-SITU SEEPS AND WEEPS CAPTURE

Section 3 summarizes the operation, maintenance, and monitoring activities performed by UES as the operator of the Ex-Situ Capture Systems. This remedy consists of the following capture locations:

- Four seep capture locations (from south to north, Seep B, Seep A, Seep A Tributary, and Willis Creek Tributary)
    - At Seep A, Weep 7 is tied into the basin and is included in this system's capture
    - At Seep A Tributary, weeps 9, 10, and 11 are tied into the wet well and are included in this system's capture
- Five dedicated weep capture locations (from south to north, Weep 1, Weep 1a, Weep 2, Weep 3, and Weep 4)
    - Weep 1 pumps directly into the GWEC force main if possible, or if back pressure from the GWEC force main is too high, then it drains to Weep 1a. Weep 1a, along with Weep 2, are tied into the Weep 3 capture system.
    - Weep 4 capture system also includes the 004 GWTP pad.

The seep capture locations are required to capture dry weather flows and stormwater flows from rainfall events up to 0.5 inches over 24 hours. Through the ex-situ force main, the captured water is pumped to a lined surge pond, which the GWTP periodically withdraws for treatment.

3.1 Operation and Maintenance

The Ex-Situ Capture Systems have been operating since April 20, 2023. Pumping of captured water from ex-situ seep and weep locations to the surge pond continued during this reporting period. The 004 GWTP treated the captured water after periodically withdrawing from the surge pond. Routine operations and maintenance were performed on the capture systems per UES' O&M Plan.

3.2 Data Collected

The Ex-Situ Capture System telemetry network transmits the flow data from totalizers at Seep A, Seep A Tributary, Seep B, Willis Creek Tributary, and Weep 3 on a 15-minute frequency. Veolia records the volume conveyed from the surge pond to the 004 GWTP on a daily basis.

3.3 Results

Table 3-1 shows the daily volume conveyed from the surge pond to the 004 GWTP and totalizer volumes conveyed from Seep A, Seep A Tributary, Seep B, Willis Creek Tributary, and Weep 3. During this reporting period, approximately 10.1 million gallons (MG) of captured water was pumped from the seep and weep capture locations to the surge pond and approximately 12.5 MG was conveyed from the surge pond to the 004 GWTP. The captured water in Q3 2024 is 120% higher than Q2 2024 (10.1 MG vs 4.6 MG). This increase is attributed to the wetter conditions in Q3 2024.

4 GROUNDWATER EXTRACTION AND CONVEYANCE

Section 4 describes the GWEC operation, maintenance, and monitoring activities that were conducted by Geosyntec as the operator of the system and provides a summary of the critical operational data that were collected and discusses the monitoring results from extraction well (EW) sampling activities during the reporting period. Construction details for the EWs are provided in Table 4-1.

4.1 Operation and Maintenance

The GWEC system has been operating since March 14, 2023. The performance of the individual components of the GWEC system, on a well-by-well basis, are recorded via a telemetry network. System alerts and alarms have been programmed and are generated when a GWEC component is underperforming or not functioning properly. In such cases, Geosyntec leads the OM&M response, and performs the required corrective measures. On a minimum monthly basis, preventative maintenance and inspection is performed, in which EW components, control panels, and forcemain air release valves are individually checked.

4.2 Data Collected

4.2.1 Extraction Well Operational Data

Table 4-2 provides a summary of flow data (daily average flow rate and daily cumulative volume) for the GWEC system (combined flow from all wells). Table 4-3 provides a summary of flow data for each EW during the reporting period (average monthly flow rate, and total cumulative volume by month).

4.2.2 PFAS Data

The second post-startup EW sampling for PFAS analysis by Method 537MM was performed in Q2 2024 during April 15-16, 2024 and reported in Report #6. Prior to this event, EW PFAS sampling was performed in January-March 2023 (pre-startup) and April 2023 (post-startup), and documented in Reports #1 and #2, respectively. Further sampling of EWs is not planned under the Performance Monitoring Plan (PMP) reporting.

4.3 Results

4.3.1 Groundwater Extraction

As shown in Table 4-2, the GWEC system extracted approximately 43.2 MG during the reporting period, with approximately 5.4 MG from surficial aquifer wells and 37.8 MG from Black Creek aquifer wells. The average extraction rate during the Q3 2024 reporting period was approximately 328 gallons per minute (gpm), which is the same as the extraction rate noted in the previous reporting period (Q2 2024), and similar to the extraction rate in September 2023 (336 gpm) when this steady-state extraction flow rate was first reached. From March 2023 through August 2023, extraction rates gradually declined from a peak of 540 gpm in the initial operating period. This is attributed to the established declines seen in water levels in the Black Creek aquifer upgradient of the remedy. Section 6.2.1 describes the reduction in groundwater elevation upgradient of the barrier wall stabilized since the completion of the barrier wall and the implementation of the long-term remedy components.

As shown in Table 4-3, the flow rates in the Willis Creek (Northern Alignment) are lower than the Barrier Wall (Southern Alignment) (in September, the average Willis Creek EW pumped about 3.8 gpm, whereas the average EW in the Southern Alignment pumped about 5.1 gpm). This is consistent with previous work at the site (Geosyntec, 2021 and Geosyntec, 2022) which indicates that the aquifer sands in this area are generally much thinner and less transmissive than aquifer sands in the Southern Alignment.

5 004 TREATMENT PLANT

Section 5 provides GWTP operational data collected by Veolia as the operator of the treatment system and discusses the performance of the treatment relative to the design objectives and the COA, which requires that extracted groundwater is treated to remove PFAS compounds[3] by at least 99%. As with the GWEC system, the 004 GWTP has been operating since March 14, 2023.

Chemours reports various GWTP performance data in electronic Discharge Monitoring Reports (eDMRs) per the National Pollutant Discharge Elimination System (NPDES) permit NC0090042, and additionally provides laboratory reports and an analysis of the treatment efficiency (in percent removal of the indicator compounds HFPO-DA, PMPA, and PFMOAA) in a data transmittal process to North Carolina Department of Environmental Quality (NCDEQ). This Report does not reproduce that effort, and only reports on the flow and treatment aspects to comply with COA Paragraph 2.c.v. The following data are consistent with the eDMRs and data transmittals.

5.1 Data Collected

5.1.1 Flow Rates

Veolia measures flow at the combined influent and effluent monitoring locations as required by the NPDES permit. Flow measurements are collected by the meters at a 15-minute frequency.

5.1.2 PFAS Influent and Effluent

Veolia collects weekly (at a minimum) samples of the total influent and effluent per NPDES reporting requirements. Once per month, the samples are analyzed for Table 3+ PFAS, and once per quarter, the samples are analyzed for Table 3+ and EPA Method 537 MOD. The remaining weekly samples are analyzed for indicator compounds HFPO-DA, PFMOAA, and PMPA. All samples were analyzed by Eurofins TestAmerica Laboratories.

5.2 Results

5.2.1 Flow Rates

The daily total influent volume, the volume treated and discharged, and the average daily discharge flow rate, are provided in Table 5-1. As shown, the GWTP treated and discharged a total volume of 54.7 MG over the reporting period. The average daily flow rate for this duration was 413 gpm, which is 11% higher than the previous period (371 gpm in Q2 2024).

[3] As measured by indicator parameters hexafluoropropylene oxide dimer (HFPO-DA), perfluoromethoxypropyl carboxylic acid (PMPA), and perfluoro-2-methoxyaceticacid (PFMOAA)

5.2.2 Analytical Results

The laboratory analytical results for the influent and effluent samples are shown in Table 5--2. Laboratory analytical reports for 004 samples are compiled in Appendix A. As shown, the total Table 3+ (17 compounds) PFAS concentration in the influent ranged from 100,000 to 150,000 ng/L. The Table 3+ (17 compounds) PFAS analytes were not detected above laboratory reporting limits in effluent samples, indicating at least 99% removal as documented in data transmittals from Chemours to NCDEQ.

5.2.3 PFAS Mass Removal

The flow rate data (monthly totals) and PFAS concentration data (monthly representative concentration per the monthly or quarterly samples, which in this reporting period were collected on July 8, August 12, and September 9) were used to calculate Table 3+ PFAS mass removal. As shown below, the total Table 3+ PFAS mass removed (17 compounds) by the GWTP in the reporting period (Q3 2024) was 57.0 pounds (lbs). Through the end of the previous period (Q2 2024), 359.2 lbs of PFAS was removed. Therefore, the amount of PFAS removed from commissioning through September 30, 2024 is 416.2 lbs.

Reporting Month	Total Volume Treated by GWTP (MG)*	Total Table 3+ (17 Compounds) PFAS Concentration per Monthly/Quarterly Sample (ng/L)	Table 3+ (17 Compounds) PFAS Mass Removed (lbs)
July	16.3	150,000	20.4
August	19.9	100,000	16.6
September	18.4	130,000	20.0
Q3 2024 Total	54.7	N/A	57.0

6 PERFORMANCE MONITORING EVALUATION

A PMP was prepared to address long-term groundwater remedial action effectiveness. The PMP proposed to evaluate the effectiveness of the remedy with multiple lines of evidence, which are listed below and discussed in more detail in this section:

- Hydraulic head both along the barrier wall alignment and downgradient of the barrier wall between the wall and the Cape Fear River, to assess groundwater capture and the reduction in hydraulic gradient downgradient of the remedy alignment;
- Passive flux meters (PFMs), to evaluate downgradient groundwater Darcy flux;
- Surface water samples at Willis Creek, to evaluate reduction in PFAS loading to Willis Creek;
- Surface water samples at Tar Heel Ferry Road, to evaluate PFAS concentrations and mass loads in the well-mixed Cape Fear River downstream of the facility; and
- Groundwater sampling at extraction and monitoring wells between the groundwater remedy and the Cape Fear River or Willis Creek.

6.1 Data Collected

6.1.1 Hydraulic Head and Surface Water Elevation

Monthly gauging events of 83 observation wells (OWs) was performed on July 31, August 29, and September 24, 2024. The hydraulic head monitoring network is shown in Figure 6-1. Construction details for monitoring and observation wells are provided in Table 4-1. In addition to these manual gauging events, transducers were also deployed in a network of 16 wells that comprise 6 transects that span across the barrier wall alignment. These transducers were deployed on March 8, 2023, during the final GWEC commissioning and about one week prior to the March 14, 2023 operational startup. The transducers record groundwater elevation every 15 minutes and are downloaded monthly. Finally, data are incorporated from three transducer stilling wells that were installed at Willis Creek between September 20 and October 6, 2023.

In November 2024, two new observation wells were installed: OW-58 and OW-59. OW-58 is screened within the floodplain deposits, to the west of the esplanade of the Huske Lock and Dam, to evaluate groundwater conditions in this area, as per the November 2023 Lock and Dam Seep Workplan (Geosyntec, 2023d). OW-58 construction details are provided in Table 4-1, but it is not considered a PMP observation well and is not discussed further herein. OW-59 is screened within the Black Creek aquifer near SMW-09, upgradient of Willis Creek alignment, as requested by NCDEQ to provide additional clarity on potentiometric contours in this area. OW-59 will be

gauged monthly in the PMP program and sampled annually. Data for OW-59 will be provided in the next report covering the Q4 2024 period.

6.1.2 PFAS Concentrations in Groundwater and Surface Water

Downgradient Groundwater

PMP wells, to be sampled on a semi-annual basis (Q1 and Q3), were sampled between July 16 and September 3, 2024. Out of the 20 PMP wells, 17 were sampled in Q3 2024. PIW-10S, PIW-5SR, and OW-54 were not sampled because these wells have become consistently dry due to the long-term remedy. The 20 PMP wells are OW-4R, OW-30, OW-32, OW-37, OW-40, OW-51, OW-54, OW-55, OW-56, OW-57, PIW-4D, PIW-5SR, PIW-6S, PIW-8D, PIW-10DR, PIW-10S, PIW-11, PIW-15, PW-10RR, and PW-11.

Mass Loading Model (MLM) wells are sampled quarterly. A total of 14 MLM monitoring wells are downgradient of the long-term remedy and are therefore, potentially viable data points for effectiveness monitoring (OW-28, OW-33, LTW-01, LTW-02, LTW-03, LTW-04, LTW-05, PIW-1S, PIW-1D, PIW-3D, PIW-7S, PIW-7D, PZ-22, and SMW-12). Except for PIW-1S, which was dry during sampling events, MLM wells were sampled from July 16 through 29, 2024.

In the annual Corrective Action Plan (CAP) sampling program, there are three wells in the Northern Alignment that are also downgradient of the long-term remedy and potentially informative for effectiveness monitoring. These three wells (PIW-12, PIW-13, and PIW-14) were sampled between July 18 and August 5, 2024. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+ and EPA Method 537 MOD.

Willis Creek Surface Water

At three locations within Willis Creek (WC), routine quarterly sampling was performed to evaluate potential long-term concentration reductions. The sampling procedures were in accordance with the Cape Fear River PFAS Mass Loading Assessment Report series (Geosyntec, 2024d). WC-1, WC-2, and WC-3 were sampled on July 11, 2024. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+ and EPA Method 537 MOD.

Cape Fear River Surface Water

Surface water grab samples were collected on September 4, 2024 at four transects along the Cape Fear River. Each transect consisted of three sampling locations, for a total of 12 sampling points. The sampling program was in accordance with the *Final National Pollutant Discharge Elimination System (NPDES) Permit for Outfall 004* (Permit: NC0090042). The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+. From March 2020 through December 2023, sampling under this permit was performed monthly. Starting Q1 2024, samples

are collected quarterly (i.e., six months after the completion of the barrier wall as per the Permit requirements).

Since March 2020, routine sampling of the Cape Fear River has been performed at Tar Heel Ferry Road Bridge (or Tar Heel, approximately 7 miles downstream of the Site). The sampling program was in accordance with Paragraphs 1(a) and 1(b) of the Addendum to Consent Order paragraph 12 (CO Addendum). Composite samples were generally collected twice per week using an autosampler. Grab samples were collected when the composite sampling program was temporarily interrupted due to various factors such as vandalism, equipment malfunction, or high river stages which may flood the autosampler. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+.

6.1.3 Passive Flux Meters

The first post-startup deployment of PFMs was conducted in August 2023 and its results were discussed in CFR Long-Term Remedy Performance Monitoring Report #3 (Geosyntec, 2023e). The second post-startup deployment was conducted in June 2024 and its results were discussed in CFR Long-Term Remedy Performance Monitoring Report #6 (Geosyntec, 2024c).

In October 2024, per NCDEQ request, PFMs were deployed for a fourteen-day period in OW-57 (an original and a duplicate sample). Following the deployment period, PFMs were removed for analysis. Composite samples of the GAC were sent to Enviroflux for Darcy velocity analysis.

Further deployment of PFMs is not planned under the PMP.

6.2 Results

6.2.1 Hydraulic Head and Surface Water Elevation

This section discusses hydraulic head which is a critical line of evidence for evaluating hydraulic containment of groundwater. This section is developed in the following sequence:

1. As the Cape Fear River can influence some wells screened in the Black Creek aquifer, this section will first discuss the river conditions during each gauging event. Notably, during high river stages (flooding), this can exert a pressure response on the confined aquifer that has connectivity to the river.

2. The results in the Southern Alignment (Barrier Wall portion) includes a discussion of both the Black Creek aquifer and the surficial aquifer.

3. The results in the Northern Alignment (Willis Creek area) are evaluated separately from the Southern Alignment.

1. River Stage During Gauging Events

Hydraulic connectivity between the Black Creek aquifer and the Cape Fear River was discussed in CFR Long-Term Remedy Performance Monitoring Report #1 (Geosyntec, 2023b). As before, river levels for each gauging event in this reporting period were obtained from the USGS Huske station 02105500. The average river elevation for the duration of the gauging event (e.g., from 8AM to 4PM) was calculated from the 15-minute frequency data available from USGS. These average levels were compared to the available historical dataset (2007 to 2020) to calculate the corresponding percentile values and to show whether those gauging events were performed on relatively high or low river conditions. As shown below, the three gauging events in this period included two high-river events in July and September (83rd and 86th percentile, respectively) and one near-average event in August (57th percentile).

Date	Type	Average River Level During Gauging Event (ft NAVD88)	Percentile (Gauging Event River Level compared to Historical Dataset)
8/4/2022	Baseline (dry summer)	30.38	52%
8/17/2022	Baseline (dry summer)	29.80	37%
1/30/2023	Baseline (wet winter)	32.50	79%
7/31/2024	Post-Startup (Q3 2024)	32.93	83%
8/29/2024	Post-Startup (Q3 2024)	30.60	57%
9/24/2024	Post-Startup (Q3 2024)	33.46	86%

2. Southern Alignment (Barrier Wall) - Reduction in Groundwater Flux Downgradient of Barrier Wall

Table 6-1 provides groundwater elevation data for the Southern Alignment that is additionally delineated based on location relative to the barrier wall (upgradient or downgradient). Antecedent rainfall data for the previous three days are also included. Similar to the previous CFR Long-Term Remedy Performance Monitoring reports, there is widespread drawdown in the Black Creek aquifer since the January 2023 baseline, and stabilized mounding of the surficial aquifer upgradient of the barrier wall.

As shown in Figure 6-2A-D, the groundwater elevation data have been used to generate 11 downgradient transect maps of the wall, with plots of the baseline data (August 17, 2022 and

January 30, 2023 in greyscale[4]) compared to the July, August, and September gauging events (in green, blue, and red, respectively). Consistent with previous reports, the data for the three events demonstrate that the gradients in these downgradient sections have reduced (i.e., flattened) significantly:

- Transects 1a, 2, 4, 5, 6a, 7, and 8 indicate an essentially flat gradient. At the distal end (i.e., the most downgradient and closest to the Cape Fear River) of some of these transects, there is an apparent slight inward gradient. This is attributed to the demonstrated effect of increases in river elevation causing a corresponding increase in groundwater levels in monitoring wells screened within the Black Creek Aquifer, particularly in locations closest to the river.

- Transects 1b, 3, and 9 indicate that the average Q2 2024 gradient was approximately 67% less than baseline, which is similar to previous reporting periods.

    - Baseline data for OW-52 and OW-53 (Transect 6b) are not available due to construction conflicts during barrier wall installation, therefore comparisons to baseline are not possible.

Gradients in the downgradient area between the barrier wall and the river are also shown in the six transducer transects shown in Figure 6-3A-C. These transducers were originally deployed on opposite sides of the barrier wall to demonstrate the hydraulic separation achieved by the remedy; after demonstrating this on repeated events, notably during river floods, the transducers (where available) have largely been deployed to the downgradient area. These transects show a similar result to the manually constructed transects using gauging data in Figure 6-2A-D. In some cases (Transect 2 and Transect 3) the distal end of the transect is higher in elevation, as with many of the gauging data transects. Transects 4 and 5 show a nearly flat gradient (observation well groundwater elevations are essentially equal) and Transects 1 and 6 show a reduced gradient, but not as significant as observed in Transects 2 through 5.

3. Northern Alignment (Willis Creek Area)

3a. Interaction between Willis Creek and EW-01 through EW-15

In August 2024, precipitation caused an approximate 20 foot rise in the Cape Fear River and between 15 to 20 feet in the Willis Creek transducer locations. Consistent with previous reports,

[4] Transects 1a/1b and 2 at the southern end of the alignment were added to Report #3 per NCDEQ request. These transects include wells that were not accessible to install until after the barrier wall was complete, therefore baseline data are not available in all cases. For OW-39 in particular which is used in both Transects 1a and 1b, the nearest available baseline data in EWs 63, 64, and 65, as well as PIW-10DR to the east, indicate the baseline groundwater elevation in this vicinity ranged from approximately 59-64 ft NAVD88, which is substantially greater than the values measured in Q3 2024 (around 41.6 ft NAVD88), indicating a significant reduction in gradient in this area.

this increase in surface water elevation was observed in the Willis Creek EWs, demonstrating Black Creek aquifer connectivity to surface water as noted for April 2023, December 2023, January 2024, and May 2024 Cape Fear River rise events discussed in previous reports. In comparison to these previous events, the August 2024 river elevation increase was more intense, leading to a noticeable response as explained below. The Willis Creek elevation (shown in thick blue line) is compared to the 15 Willis Creek EWs in Figure 6-4A-C (five wells per chart for clarity):

- In EWs that were pumping continuously prior to the event and, therefore, at a relatively stable water level (EW-01, 02, 03, 05, 06, and 12), the rising river elevation that began on August 9 caused a subsequent rise in water levels in the wells.

- In EWs that were pumping intermittently prior to the elevation increase, the rising water levels generally caused the pumps to run continuously or at a much higher frequency (EW-04, 08, 11, 13, and 14). At EW-04 for example, the oscillating water level trend prior to the event temporarily stabilized during the surge response and remained so for a week. The flow totals for the week prior to the event and the week after the event are shown in each figure to demonstrate the effect the rising water levels had on increasing yield from these wells.

- In EWs that were water-limited prior to the flood, the rising water levels in one case allowed the pump to activate in an intermittent mode (EW-09). In another case (EW-10), the rising water levels allowed the pump to run continuously. In other cases, the flood caused a water level increase in the well, but not sufficient to activate the pump level switch (EW-07 and 15).

Overall, as a consequence of the interaction between surface water and the Black Creek aquifer, the increase in groundwater elevation in the Willis Creek EWs temporarily increases pumping yields until groundwater elevations decline to pre-surge conditions. This indicates the capability of the Willis Creek EW pumps to withdraw available water in the well screens, and the overall limited amount of transmissivity of the aquifer material in non-surge steady-state conditions.

3b. Hydraulic Containment of Willis Creek Black Creek Aquifer

Groundwater elevations upgradient of the Willis Creek remedy alignment have been assessed to evaluate if natural fluctuations in the Black Creek Aquifer should be considered when calculating observed drawdown in the EWs (for example, if the aquifer has decreased several feet by natural causes, then some of the observed drawdown in an EW may not necessarily be due entirely to the pumping). Seven monitoring wells (BCA-01, OW-01, OW-10, PIW-2D, PW-09, SMW-03B, and SMW-10) were evaluated for this analysis. As shown in Figure 6-5, since January 2023 (the baseline event utilized in the EW drawdown analysis), Black Creek Aquifer water levels in these wells have been relatively consistent; a slight decrease has been observed in SMW-03B, but in the

other wells, Black Creek Aquifer levels have not meaningfully changed. Therefore, no manual corrections of the EW drawdown have been performed.

Groundwater elevation differences relative to January 2023 are shown for the July, August, and September gauging events in Figure 6-6A-C. Consistent with previous reports, the largest reduction of groundwater elevation relative to January 2023 occurred in the midsection of the Northern Alignment between EW-05 and EW-06.

In August and September 2024, this elevation difference was not as significant as July 2024 due to the sustained effects of the flooding caused by Hurricane Debby in early August (the peak river elevation was a 99.7% percentile value of the 2007-2020 river gage dataset) and additional flooding caused by further storms and Hurricane Helene in September. The pattern of drawdown distribution was similar across these events, and around 5 ft to 8 ft of drawdown was observed between EW-05 and EW-06.

Laterally along the alignment north of EW-05 and south of EW-06, elevation reductions between about 2 ft and 7 ft were observed in July 2024 from the proximity of OW-14 (near the beginning of the barrier wall at EW-14) to OW-41 (in between EW-01 and EW-02). Drawdown along the alignment has also resulted in four EWs with insufficient water to pump, as compared to startup, demonstrating overlapping influence within the EWs from the collective pumping. The extensive drawdown is a line of evidence of hydraulic control.

Potentiometric contour maps are provided for gauging events from July through September 2024 in Figure 6-7A-C[5]. The January 2023 contours are shown in each figure as magenta solid lines. In January 2023, groundwater generally flowed from SMW-03B (near the facility) in a northeastern direction towards the alignment. The January 2023 groundwater elevations around EW-01 and EW-02 are higher than the remainder of the alignment (on average approximately 45 ft NAVD88, as compared to approximately 30 ft NAVD88 from EW-03 to EW-15) which results in an eastward gradient towards EW-03, which is consistent with previous observations and reports for the Site (e.g., the Mass Loading Model reports).

Table 6-2 provides surface water elevation at Willis Creek locations where stilling wells SW-01 through SW-05 have been installed. These SW locations are also shown with their available surface water elevation data in the potentiometric contour maps Figure 6-7A-C. The data indicate that the position of stagnation points from cumulative pumping varies across the alignment due to heterogeneity and the variable distance to the creek along the alignment. In some locations, notably SW-03, the surface water elevation (33.68 ft) is higher than groundwater elevations of wells along the pumping alignment PIW-12 through PIW-14 (25.97 to 32.28 ft), which aligns with the

[5] OW-59 was installed in November 2024, and hence was not available in the Q3 2024 monthly gauging events to inform potentiometric contour development. After installation, its groundwater elevation was measured to be 49.96 ft NAVD88. Potentiometric contours for the Q4 2024 will include OW-59 as available.

significant drawdown observed in the midsection of the alignment. In other locations, the stagnation point is between the alignment and the creek.

6.2.2 PFAS Concentrations and Mass Discharge in Groundwater and Surface Water

Downgradient Groundwater PFAS Concentrations

Results for the MLM wells sampled in Q3 2024 that are downgradient of the long-term remedy (14 total) are provided in Table 6-3 and shown in Figure 6-8A-C. Laboratory analytical reports for the downgradient groundwater samples are compiled in Appendix A. Time trends of PFAS concentrations and groundwater elevations in downgradient wells are shown in Appendix C. When evaluated in conjunction with the reduced hydraulic gradients in the downgradient area, a reduction in PFAS mass discharge to the river is evident. This reduction in mass discharge is evaluated in the MLM quarterly report for this same reporting period, submitted concurrently with this report (Geosyntec, 2024e).

Willis Creek Surface Water – Concentration and Mass Discharge

Results for the Willis Creek surface water PFAS samples collected in Q3 2024 are shown in Table 6-4, and also presented in Figure 6-8A-C (along with the downgradient groundwater PFAS data). Laboratory analytical reports for Willis Creek are compiled in Appendix A.

A mass discharge analysis is provided in Table 6-5 to evaluate mass loading into Willis Creek from sample locations WC-2 to WC-1. Overall, the post-startup values on average (0.07 – 0.12 mg/s) indicate an approximate 50% mass discharge decline post-startup. A complementary analysis evaluating the relationship between PFAS and flow rate in Willis Creek at location WC-1 is provided in Figure 6-9, with concentration plotted in the top chart and mass discharge plotted in the bottom chart. Two data series are presented: pre-startup (19 data points from April 2020 through February 2023) and post-startup (6 data points collected thus far from May 2023 through July 2024). As shown in both plots, the post-startup concentration and mass discharge values are consistently lower than pre-startup at a wide range of flow rates. Similar to the analysis in Table 6-5, the analysis in Figure 6-9 indicates the average mass discharge post-startup at WC-1 is approximately 50% less than the average mass discharge pre-startup.

Cape Fear River Surface Water – Concentration and Mass Discharge

The Cape Fear River transect sampling locations are shown in Figure 6-10. The results of the three indicator compounds (HFPO-DA, PFMOAA, and PMPA) are shown in Figure 6-11. The transects for September 2024 were collected during periods of relatively moderate to high river flow with flows ranging between 6,190 to 6,380 cubic feet per second (cfs). PFMOAA was observed in one sampling location of Transect 3 and two sampling locations of Transect 4. No other indicator compounds were observed. As described previously, inflows (e.g. offsite groundwater, Willis Creek, Lock and Dam seeps, the downstream offsite seeps) of Table 3+ PFAS into the Cape Fear

River are not fully mixed at the transect locations and therefore concentration profiles along the transect are not necessarily homogeneous. In contrast, the mass discharge plots for the samples collected at Tar Heel (Figure 6-12) provide a mixed river location and take both flow and concentration into account. As shown, the mass discharges have decreased and remain lower than the mass discharges before Q3 2021, which corresponds to the time when the FTCs, 003, and the groundwater extraction and barrier wall remedies were installed and operating.

6.2.3 Passive Flux Meters

Groundwater flux results for the October 2024 deployment of PFMs in OW-57 were made available by Enviroflux in time for this reporting cycle and are presented in Table 6-6. Darcy flux in the original and duplicate PFMs in OW-57 ranged from 2.9 to 5.6 centimeters per day respectively (cm/day). This is similar in magnitude to PFMs deployed in other monitoring wells downgradient of the Willis Creek remedy, including PIW-11, PIW-15, and PIW-1D; Dracy flux in these wells from the June 2024 deployment ranged from 2.7 to 4.5 cm/day. As noted previously, PFMs do not measure groundwater direction and natural fluctuations caused by back-pressure of river and creek surface water may be obfuscating the analysis.

7 SUMMARY

This reporting period (July 1 to September 30, 2024) included the operation of the interim Flow-Through Cells, Ex-Situ Capture Systems, GWEC, and GWTP remedy components. The table below summarizes the flow capture and the Table 3+ (17 compounds) PFAS removal for each remedy element.

Remedy Element	Report Period (Jul – Sep 2024)		Cumulative through September 2024*	
	Flow Captured/ Treated (MG)	Mass Removed (lbs)	Flow Captured/ Treated (MG)	Mass Removed (lbs)
Interim FTCs	2.8	0.4	432.0	551.6
004 Treatment Plant	54.7	57.0	347.2	416.2
Ex-Situ Capture Systems	*12.5*	*Included in 004*	*36.9*	*Included in 004*
GWEC	*43.2*	*Included in 004*	*318.9*	*Included in 004*
Total (Interim FTCs + 004)**	**57.5**	**57.4**	**779.2**	**967.8**

**Cumulative values reflect the lifetime operation of each remedy component (e.g., since December 2020 for Interim FTC Seep C). Please note that some previous reports have reported the total mass removed of 20 Compounds. Mass removal in this report for all remedy components is reported as 17 Compounds.*
***Differences in flow totals are attributable to the measurement resolution of flow meters on the different remedy systems as well as storage time in the surge pond, break tank, and other components. The calculated total influent of the Ex-Situ Capture Systems and GWEC system above is 55.7 MG for Q3 2024. The total influent as measured by Veolia's flow meter was 56.3 MG. The total effluent as measured by Veolia's flow meter was 54.7 MG as shown.*

Flow into the interim FTCs has decreased significantly since the completion of the barrier wall and implementation of the Ex-Situ Capture Systems and GWEC system. Between July 2021 and June 2023, the interim FTCs collectively processed 14.8 MG per month on average. In Q3 2024, the monthly average was 0.94 MG (an approximate 94% decrease). Batch mode processing has been necessary in order to maintain treatment efficiency at the reduced flow rates. During dry weather, with the FTCs offline, the impoundment elevations at the FTCs either remain stagnant or decrease, indicating that the long-term remedy components have eliminated the observable dry weather flow. As the FTCs now treat predominately rainwater mixed with stagnant residual groundwater, the concentration of PFAS in the influent has also decreased. Between July 2021 and June 2023, the average influent PFAS concentration (Total Table 3+, 17 compounds) across the four FTCs was approximately 150,300 ng/L; between July 2023 and September 2024, it was 31,900 ng/L (an approximate 79% decrease). Overall, the combination of reduced flow and

concentration has resulted in a significant reduction in mass discharge into the FTCs and an asymptotic PFAS mass removal trend.

The GWEC system has been operating at a steady-state cumulative extraction rate since approximately September 2023, after the EW startup in March 2023 resulted in initial declines in the Black Creek aquifer water levels. The average pumping rate in Q3 2024 was 328 gpm. The Ex-Situ Capture systems flow trends are dependent on weather conditions and are therefore more variable. The 004 GWTP removed greater than 99% of PFAS[6] from the combined flow of the GWEC and Ex-Situ Capture Systems.

Performance monitoring activities, including hydraulic head monitoring and surface water sampling, are also documented in this Report. Similar to the previous reporting period, performance monitoring indicates that the GWEC system has resulted in a reduction in hydraulic gradient between the barrier wall and the Cape Fear River, thus reducing groundwater PFAS flux to the Cape Fear River. This reduction in PFAS mass discharge is evident in the diminished flows into the FTCs and is also documented in a report for the MLM program, submitted for the same reporting period concurrent to this Report (Geosyntec, 2024e).

Collectively, the Willis Creek EWs are exerting drawdown of the Black Creek aquifer along the length of the alignment, particularly in the midsection, with nearly 8 feet of groundwater elevation reduction measured in monitoring wells. Drawdown along the alignment has also resulted in four EWs with insufficient water to pump, as compared to startup, demonstrating overlapping influence within the EWs from the collective pumping. The extensive drawdown is a line of evidence of hydraulic control. Additionally, a reduction in Willis Creek mass discharges has been observed. At sampling locations WC-2 (upstream) and WC-1 (downstream near the confluence with the Cape Fear River), the post-startup mass discharge to Willis Creek along this reach is estimated to be approximately 50% less than pre-startup.

[6] As measured by indicator parameters hexafluoropropylene oxide dimer (HFPO-DA), perfluoromethoxypropyl carboxylic acid (PMPA), and perfluoro-2-methoxyaceticacid (PFMOAA)

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Tables

Table 1-1
Summary of Sampling and Monitoring Activities
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Remedy Component	Sampling and Monitoring Activities in Reporting Period (Jul-Sep)
In-Situ Seep Flow-Through Cells (FTCs)	▪ During prolonged no-flow conditions, the FTCs were generally operated in batch mode (closed to flow) and thus there is no process flow to sample. The FTCs were opened to flow as needed to manage accumulated water in the impoundments. When open to flow, 24-hour composite samples were collected for performance monitoring; water quality was monitored and sampled in the same 24-hour period as the performance monitoring interval; and weekly grab samples for breakthrough monitoring were collected.
Ex-Situ Seeps and Weeps Capture	▪ Flow rates and totalized flow every 15 minutes from each capture system
Groundwater Extraction	▪ Extraction well operational data (flow, pressure, motor speed, and water level) every 15 minutes
004 Treatment Plant	▪ Weekly grab sampling of effluent for PFAS indicator compounds HFPO-DA, PFMOAA, and PMPA ▪ Monthly grab sampling of influent and effluent for Table 3+ ▪ Quarterly grab sampling of influent and effluent for Table 3+ and EPA Method 537 MOD ▪ Various other parameters required per the NPDES permit and reported in the eDMR, but not reproduced here
Performance Evaluation	▪ Monthly water level gauging (July 31, August 29, and September 24, 2024) ▪ Quarterly surface water PFAS sampling at four transects of the Cape Fear River (September 04, 2024) ▪ Quarterly PFAS sampling of Willis Creek (WC) stations WC-1, 2, 3 (July 11, 2024) ▪ PFAS sampling of downgradient monitoring wells under the MLM (quarterly), PMP (semi-annually), and CAP (annually) sampling programs (July 16 to September 3, 2024)

Notes:
1 - Additional sampling details (e.g., Sample IDs, composite periods, etc.) are provided in subsequent tables.

PFAS - per- and polyfluoroalkyl substances
PFMOAA - perfluoro-2-methoxyacetic acid
EPA - Environmental Protection Agency
PMP - Performance Monitoring Plan
eDMR - electronic Discharge Monitoring Report
HFPO-DA - hexafluoropropylene oxide-dimer acid
PMPA - perfluoro-2-methoxypropionic acid
NPDES - National Pollutant Discharge Elimination System
MLM - Mass Loading Model
CAP - Corrective Action Plan

Table 2-1A
FTC Operations and Maintenance Summary - Seep A
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
07/01/2024	1,161	No				Batch Mode		Batch Mode		X	N/A
07/02/2024	1,162	No				Batch Mode		Batch Mode			N/A
07/03/2024	1,163	No				Batch Mode		Batch Mode			N/A
07/05/2024	1,165	No				Batch Mode		Batch Mode			N/A
07/08/2024	1,168	No				Batch Mode		Batch Mode		X	N/A
07/09/2024	1,169	No				Batch Mode		Batch Mode			N/A
07/10/2024	1,170	No				Batch Mode		Batch Mode			N/A
07/11/2024	1,171	No				Batch Mode		Batch Mode			N/A
07/12/2024	1,172	No				Batch Mode		Batch Mode			N/A
07/13/2024	1,173	No				Batch Mode		Batch Mode			N/A
07/15/2024	1,175	No				Batch Mode		Batch Mode		X	N/A
07/16/2024	1,176	No				Batch Mode		Batch Mode			N/A
07/17/2024	1,177	No				Batch Mode		Batch Mode			N/A
07/18/2024	1,178	No				Batch Mode		Batch Mode			N/A
07/19/2024	1,179	No				Batch Mode		Batch Mode			N/A
07/20/2024	1,180	No				Batch Mode		Batch Mode			N/A
07/22/2024	1,182	No				Batch Mode		Batch Mode		X	N/A
07/23/2024	1,183	No				Batch Mode		Batch Mode			N/A
07/24/2024	1,184	No	X			Batch Mode		Batch Mode			Pumped water into cell.
07/25/2024	1,185	No				Batch Mode		Batch Mode			N/A
07/26/2024	1,186	No		X		Batch Mode		Batch Mode			Pumped water into cell.
07/27/2024	1,187	No				Batch Mode		Batch Mode			N/A
07/29/2024	1,189	No				Batch Mode		Batch Mode		X	N/A
07/30/2024	1,190	No				Batch Mode		Batch Mode			N/A
07/31/2024	1,191	No				Batch Mode		Batch Mode			N/A
08/01/2024	1,192	No				Batch Mode		Batch Mode			N/A
08/02/2024	1,193	No				Batch Mode		Batch Mode			N/A
08/05/2024	1,196	No		X		Batch Mode		Batch Mode		X	Pumped water into cell.
08/06/2024	1,197	No				Batch Mode		Batch Mode			N/A
08/07/2024	1,198	Yes				Batch Mode		Series			Opened inlet and mid valves.
08/08/2024	1,199	Yes				Series		Series			N/A
08/14/2024	1,205	Yes				Series		Series			Drained cell to remove mud from river flooding.
08/15/2024	1,206	Yes				Series		Series			Skimmed and fluffed FB1 and FB2.
08/16/2024	1,207	No				Series		Series			N/A
08/17/2024	1,208	-		X		Series		Series			N/A
08/19/2024	1,210	No				Series		Series		X	N/A
08/20/2024	1,211	No				Series		Series			Skimmed and fluffed FB2.
08/21/2024	1,212	No				Series		Batch Mode			Closed inlet and mid valves.
08/22/2024	1,213	No				Batch Mode		Batch Mode			N/A
08/23/2024	1,214	No				Batch Mode		Batch Mode			N/A
08/26/2024	1,217	No				Batch Mode		Batch Mode		X	N/A
08/27/2024	1,218	No				Batch Mode		Batch Mode			N/A
08/28/2024	1,219	No				Batch Mode		Batch Mode			N/A
08/29/2024	1,220	No				Batch Mode		Batch Mode			N/A
08/30/2024	1,221	No				Batch Mode		Batch Mode			N/A

Table 2-1A
FTC Operations and Maintenance Summary - Seep A
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
09/03/2024	1,225	No				Batch Mode		Batch Mode		X	N/A
09/04/2024	1,226	No				Batch Mode		Batch Mode			N/A
09/05/2024	1,227	No				Batch Mode		Batch Mode			N/A
09/06/2024	1,228	No		X		Batch Mode		Batch Mode			Pumped water into cell.
09/09/2024	1,231	No				Batch Mode		Batch Mode		X	N/A
09/10/2024	1,232	No				Batch Mode		Batch Mode			N/A
09/11/2024	1,233	No				Batch Mode		Batch Mode			N/A
09/12/2024	1,234	No				Batch Mode		Batch Mode			N/A
09/13/2024	1,235	No				Batch Mode		Batch Mode			Skimmed and fluffed FB2.
09/16/2024	1,238	No				Batch Mode		Batch Mode		X	N/A
09/17/2024	1,239	Yes				Batch Mode		Series			Opened inlet and mid valves.
09/23/2024	1,245	No				Series		Series		X	N/A
09/24/2024	1,246	No				Series		Series			Skimmed and fluffed FB2.
09/25/2024	1,247	No		X		Series		Batch Mode			Skimmed and fluffed FB1. Closed inlet and mid valves.
09/26/2024	1,248	No				Batch Mode		Batch Mode			N/A
09/27/2024	1,249	No				Batch Mode		Batch Mode			N/A
09/30/2024	1,252	Yes				Batch Mode		Batch Mode		X	N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and staff gauge data at flow-through cells A-D.
FTC - Flow-Through-Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-1B
FTC Operations and Maintenance Summary - Seep B
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
07/01/2024	1,120	No				Batch Mode		Batch Mode		X	N/A
07/02/2024	1,121	No				Batch Mode		Batch Mode			N/A
07/03/2024	1,122	No				Batch Mode		Batch Mode			N/A
07/05/2024	1,124	No				Batch Mode		Batch Mode			N/A
07/08/2024	1,127	No				Batch Mode		Batch Mode		X	N/A
07/09/2024	1,128	No				Batch Mode		Batch Mode			N/A
07/10/2024	1,129	No				Batch Mode		Batch Mode			N/A
07/11/2024	1,130	No				Batch Mode		Batch Mode			N/A
07/12/2024	1,131	No				Batch Mode		Batch Mode			N/A
07/13/2024	1,132	No				Batch Mode		Batch Mode			N/A
07/15/2024	1,134	No				Batch Mode		Batch Mode		X	N/A
07/16/2024	1,135	No				Batch Mode		Batch Mode			N/A
07/17/2024	1,136	No				Batch Mode		Batch Mode			N/A
07/18/2024	1,137	No				Batch Mode		Batch Mode			N/A
07/19/2024	1,138	No				Batch Mode		Batch Mode			N/A
07/20/2024	1,139	No				Batch Mode		Batch Mode			N/A
07/22/2024	1,141	No				Batch Mode		Batch Mode		X	N/A
07/23/2024	1,142	No				Batch Mode		Batch Mode			N/A
07/24/2024	1,143	No				Batch Mode		Batch Mode			N/A
07/25/2024	1,144	No				Batch Mode		Batch Mode			N/A
07/26/2024	1,145	No				Batch Mode		Batch Mode			N/A
07/27/2024	1,146	No				Batch Mode		Batch Mode			N/A
07/29/2024	1,148	No				Batch Mode		Batch Mode		X	N/A
07/30/2024	1,149	No				Batch Mode		Batch Mode			N/A
07/31/2024	1,150	No				Batch Mode		Batch Mode			N/A
08/01/2024	1,151	No				Batch Mode		Batch Mode			N/A
08/02/2024	1,152	No				Batch Mode		Batch Mode			N/A
08/05/2024	1,155	No				Batch Mode		Batch Mode		X	N/A
08/06/2024	1,156	No				Batch Mode		Batch Mode			N/A
08/07/2024	1,157	No				Batch Mode		Batch Mode			N/A
08/08/2024	1,158	Yes				Batch Mode		Series			Opened inlet and mid valves.
08/14/2024	1,164	No				Series		Series			N/A
08/15/2024	1,165	No				Series		Series			Skimmed and fluffed FB1 and FB2.
08/16/2024	1,166	No				Series		Batch Mode			Closed inlet and mid valves.
08/19/2024	1,169	No				Batch Mode		Batch Mode		X	N/A
08/20/2024	1,170	No				Batch Mode		Batch Mode			N/A
08/21/2024	1,171	No				Batch Mode		Batch Mode			N/A
08/22/2024	1,172	No				Batch Mode		Batch Mode			N/A
08/23/2024	1,173	No				Batch Mode		Batch Mode			N/A
08/26/2024	1,176	No				Batch Mode		Batch Mode		X	N/A
08/27/2024	1,177	No				Batch Mode		Batch Mode			N/A
08/28/2024	1,178	No				Batch Mode		Batch Mode			N/A
08/29/2024	1,179	No				Batch Mode		Batch Mode			N/A
08/30/2024	1,180	No				Batch Mode		Batch Mode			N/A

Table 2-1B
FTC Operations and Maintenance Summary - Seep B
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
09/03/2024	1,184	No				Batch Mode		Batch Mode		X	N/A
09/04/2024	1,185	No				Batch Mode		Batch Mode			N/A
09/05/2024	1,186	No				Batch Mode		Batch Mode			N/A
09/06/2024	1,187	No				Batch Mode		Batch Mode			N/A
09/09/2024	1,190	No				Batch Mode		Batch Mode		X	N/A
09/10/2024	1,191	No				Batch Mode		Batch Mode			N/A
09/11/2024	1,192	No				Batch Mode		Batch Mode			N/A
09/12/2024	1,193	No				Batch Mode		Batch Mode			N/A
09/13/2024	1,194	No				Batch Mode		Batch Mode			N/A
09/16/2024	1,197	No				Batch Mode		Batch Mode		X	N/A
09/17/2024	1,198	Yes				Batch Mode		Series			Opened inlet and mid valves.
09/23/2024	1,204	No				Series		Series		X	N/A
09/24/2024	1,205	No				Series		Series			N/A
09/25/2024	1,206	No		X		Series		Batch Mode			Closed inlet and mid valves.
09/26/2024	1,207	No				Batch Mode		Batch Mode			N/A
09/27/2024	1,208	No				Batch Mode		Batch Mode			Skimmed and fluffed FB1 and FB2.
09/30/2024	1,211	No				Batch Mode		Batch Mode		X	N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and staff gauge data at flow-through cells A-D.
FTC - Flow-Through-Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-1C
FTC Operations and Maintenance Summary - Seep C
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
07/01/2024	1,294	Yes		X		Batch Mode		Batch Mode		X	Pumped water into FB1. Skimmed and fluffed FB1.
07/02/2024	1,295	No				Batch Mode		Batch Mode			N/A
07/03/2024	1,296	No				Batch Mode		Batch Mode			N/A
07/05/2024	1,298	No				Batch Mode		Batch Mode			N/A
07/08/2024	1,301	No				Batch Mode		Batch Mode		X	N/A
07/09/2024	1,302	No				Batch Mode		Batch Mode			N/A
07/10/2024	1,303	No				Batch Mode		Batch Mode			N/A
07/11/2024	1,304	No				Batch Mode		Batch Mode			N/A
07/12/2024	1,305	No				Batch Mode		Batch Mode			N/A
07/13/2024	1,306	No				Batch Mode		Batch Mode			N/A
07/15/2024	1,308	No				Batch Mode		Batch Mode		X	N/A
07/16/2024	1,309	No				Batch Mode		Batch Mode			N/A
07/17/2024	1,310	No				Batch Mode		Batch Mode			N/A
07/18/2024	1,311	No				Batch Mode		Batch Mode			N/A
07/19/2024	1,312	No				Batch Mode		Batch Mode			Pumped water into cell
07/20/2024	1,313	No				Batch Mode		Batch Mode			Pumped water into cell.
07/21/2024	1,314	--				Batch Mode		Batch Mode			Pumped water into cell.
07/22/2024	1,315	Yes		X		Batch Mode		Series		X	Pumped water into cell. Opened inlet valves.
07/23/2024	1,316	No				Series		Batch Mode			Cleaned FB1 and FB2. Closed inlet valves.
07/24/2024	1,317	Yes	X			Batch Mode		Series			Pumped water into cell. Opened inlet valves.
07/25/2024	1,318	No				Series		Series			Backflushed FB1. Skimmed and fluffed FB1 and FB2. Pumped water into cell.
07/26/2024	1,319	No		X		Series		Series			Closed inlet valves. Pumped water into cell. Opened inlet valves.
07/27/2024	1,320	No				Series		Batch Mode			Closed inlet valves.
07/29/2024	1,322	No				Batch Mode		Series		X	Opened inlet valves.
07/30/2024	1,323	No				Series		Batch Mode			Closed inlet and mid valves.
07/31/2024	1,324	No				Batch Mode		Batch Mode			N/A
08/01/2024	1,325	No				Batch Mode		Batch Mode			N/A
08/02/2024	1,326	No				Batch Mode		Batch Mode			N/A
08/03/2024	1,327	--				Batch Mode		Series			Opened inlet and mid valves.
08/04/2024	1,328	--		X		Series		Series			N/A
08/05/2024	1,329	No				Series		Batch Mode			Skimmed and fluffed FB1. Closed inlet and mid valves. Pumped water into cell.
08/06/2024	1,330	No				Batch Mode		Series			Opened inlet and mid valves.
08/07/2024	1,331	Yes				Series		Series			N/A
08/08/2024	1,332	Yes				Series		Series			N/A
08/14/2024	1,338	No				Series		Series			Skimmed and fluffed FB1 and FB2.
08/15/2024	1,339	No				Series		Series			N/A
08/16/2024	1,340	No				Series		Batch Mode			Closed inlet and mid valves.
08/19/2024	1,343	No				Batch Mode		Batch Mode		X	N/A
08/20/2024	1,344	No				Batch Mode		Batch Mode			N/A
08/21/2024	1,345	No				Batch Mode		Batch Mode			N/A
08/22/2024	1,346	No				Batch Mode		Batch Mode			N/A
08/23/2024	1,347	No				Batch Mode		Batch Mode			N/A
08/26/2024	1,350	No				Batch Mode		Batch Mode		X	N/A
08/27/2024	1,351	No				Batch Mode		Batch Mode			N/A
08/28/2024	1,352	No				Batch Mode		Batch Mode			N/A
08/29/2024	1,353	No				Batch Mode		Batch Mode			N/A
08/30/2024	1,354	No				Batch Mode		Batch Mode			N/A

Table 2-1C
FTC Operations and Maintenance Summary - Seep C
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
09/03/2024	1,358	No				Batch Mode		Batch Mode		X	N/A
09/04/2024	1,359	No				Batch Mode		Closed	Batch Mode		N/A
09/05/2024	1,360	No				Changeout	Batch Mode	Batch Mode			Carbon changeout at FB1
09/06/2024	1,361	No				Batch Mode		Batch Mode			N/A
09/09/2024	1,364	No				Batch Mode		Batch Mode		X	N/A
09/10/2024	1,365	No				Batch Mode		Batch Mode			N/A
09/11/2024	1,366	No				Batch Mode		Batch Mode			N/A
09/12/2024	1,367	No				Batch Mode		Batch Mode			N/A
09/13/2024	1,368	No				Batch Mode		Batch Mode			N/A
09/16/2024	1,371	No				Batch Mode		Batch Mode		X	N/A
09/17/2024	1,372	Yes				Batch Mode		Series			Opened inlet and mid valves.
09/23/2024	1,378	No				Series		Series		X	N/A
09/24/2024	1,379	No				Series		Series			Skimmed and fluffed FB1 and FB2.
09/25/2024	1,380	No		X		Series		Batch Mode			Closed inlet and mid valves.
09/26/2024	1,381	No				Batch Mode		Batch Mode			N/A
09/27/2024	1,382	No				Batch Mode		Batch Mode			N/A
09/30/2024	1,385	Yes				Batch Mode		Batch Mode		X	N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and staff gauge data at flow-through cells A-D.
FTC - Flow-Through-Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-1D
FTC Operations and Maintenance Summary - Seep D
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
07/01/2024	1,104	No				Batch Mode		Batch Mode		X	N/A
07/02/2024	1,105	No				Batch Mode		Batch Mode			N/A
07/03/2024	1,106	No				Batch Mode		Batch Mode			N/A
07/05/2024	1,108	No				Batch Mode		Batch Mode			N/A
07/08/2024	1,111	No				Batch Mode		Batch Mode		X	N/A
07/09/2024	1,112	No				Batch Mode		Batch Mode			N/A
07/10/2024	1,113	No				Batch Mode		Batch Mode			N/A
07/11/2024	1,114	No				Batch Mode		Batch Mode			N/A
07/12/2024	1,115	No				Batch Mode		Batch Mode			N/A
07/13/2024	1,116	No				Batch Mode		Batch Mode			N/A
07/15/2024	1,118	No				Batch Mode		Batch Mode		X	N/A
07/16/2024	1,119	No				Batch Mode		Batch Mode			N/A
07/17/2024	1,120	No				Batch Mode		Batch Mode			N/A
07/18/2024	1,121	No				Batch Mode		Batch Mode			N/A
07/19/2024	1,122	No				Batch Mode		Batch Mode			N/A
07/20/2024	1,123	No				Batch Mode		Batch Mode			N/A
07/22/2024	1,125	No				Batch Mode		Batch Mode		X	N/A
07/23/2024	1,126	No				Batch Mode		Batch Mode			N/A
07/24/2024	1,127	No				Batch Mode		Batch Mode			Opened mid valve to drain precipitation in the cell.
07/25/2024	1,128	No				Batch Mode		Batch Mode			N/A
07/26/2024	1,129	No				Batch Mode		Batch Mode			N/A
07/27/2024	1,130	No				Batch Mode		Batch Mode			N/A
07/29/2024	1,132	No				Batch Mode		Batch Mode		X	N/A
07/30/2024	1,133	No				Batch Mode		Batch Mode			N/A
07/31/2024	1,134	No				Batch Mode		Batch Mode			N/A
08/01/2024	1,135	No				Batch Mode		Batch Mode			N/A
08/02/2024	1,136	No				Batch Mode		Batch Mode			N/A
08/05/2024	1,139	No				Batch Mode		Batch Mode		X	N/A
08/06/2024	1,140	No				Batch Mode		Batch Mode			N/A
08/07/2024	1,141	No				Batch Mode		Batch Mode			N/A
08/08/2024	1,142	No				Batch Mode		Series			Opened inlet and mid valves.
08/14/2024	1,148	No				Series		Series			N/A
08/15/2024	1,149	No				Series		Series			N/A
08/16/2024	1,150	No				Series		Series			Skimmed and fluffed FB1 and FB2.
08/17/2024	1,151	-		X		Series		Series			N/A
08/19/2024	1,153	No				Series		Series		X	N/A
08/20/2024	1,154	No				Series		Series			N/A
08/21/2024	1,155	No				Series		Batch Mode			Closed inlet and mid valves.
08/22/2024	1,156	No				Batch Mode		Batch Mode			N/A
08/23/2024	1,157	No				Batch Mode		Batch Mode			Pumped water into cell.
08/26/2024	1,160	No				Batch Mode		Batch Mode		X	Pumped water into cell.
08/27/2024	1,161	No	X			Batch Mode		Batch Mode			Pumped water into cell.
08/28/2024	1,162	No		X		Batch Mode		Batch Mode			Pumped water into cell.
08/29/2024	1,163	No				Batch Mode		Batch Mode			Pumped water into cell.
08/30/2024	1,164	No		X		Batch Mode		Batch Mode			Pumped water into cell.

Table 2-1D
FTC Operations and Maintenance Summary - Seep D
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
09/03/2024	1,168	No				Batch Mode		Batch Mode		X	N/A
09/04/2024	1,169	No				Batch Mode		Batch Mode			N/A
09/05/2024	1,170	No				Batch Mode		Batch Mode			N/A
09/06/2024	1,171	No		X		Batch Mode		Batch Mode			Pumped water into cell.
09/09/2024	1,174	No				Batch Mode		Batch Mode		X	N/A
09/10/2024	1,175	No				Batch Mode		Batch Mode			N/A
09/11/2024	1,176	No				Batch Mode		Batch Mode			N/A
09/12/2024	1,177	No				Batch Mode		Batch Mode			N/A
09/13/2024	1,178	No				Batch Mode		Batch Mode			N/A
09/16/2024	1,181	No				Batch Mode		Batch Mode		X	N/A
09/17/2024	1,182	Yes				Batch Mode		Series			Opened inlet and mid valves.
09/23/2024	1,188	No				Series		Series		X	N/A
09/24/2024	1,189	No				Series		Series			N/A
09/25/2024	1,190	No		X		Series		Batch Mode			Skimmed and fluffed FB1. Closed inlet and mid valves.
09/26/2024	1,191	No				Batch Mode		Batch Mode			Skimmed and fluffed FB2.
09/27/2024	1,192	No				Batch Mode		Batch Mode			N/A
09/30/2024	1,195	Yes				Batch Mode		Batch Mode		X	N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and staff gauge data at flow-through cells A-D.
FTC - Flow-Through-Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-2
Cape Fear River Elevation and Local Precipitation Statistics
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Seep	# of Days of Operation on Record	Percent of Operation Over Lifetime of System[2]			
		River Above FTC Wall Elevation	River Above Bypass Spillway Elevation	River Above GAC Elevation	River Above Discharge Pipe Invert Elevation
C	1,385	2.0%	2.7%	4.3%	10.4%
A	1,252	1.6%	1.9%	3.0%	8.2%
B	1,211	1.3%	1.7%	2.5%	6.0%
D	1,195	1.7%	1.9%	3.2%	8.7%
Historical Annual Average (2007-2020) [3,4]		1.7%	2.2%	3.7%	9.6%

Precipitation (inches)	
Current Reporting Period (July - September 2024)	24.68
Current Reporting Period Historical Average (July - September 2004-2020) [5]	13.43
2024 Year-to-Date	44.33
Historical Year-to-Date Average (2004-2020) [5]	32.71
Historical Annual Average (2004-2020) [5]	43.44

Notes:

1 - River elevation and precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.
2 - Operational period for river flooding statistics includes the entire lifetime of the system for each seep.
3 - Seeps A and D are approximately 1 foot lower in elevation than Seeps B and C.
4 - For clarity of presentation, historical river flooding averages based on Seep C elevations only.
5 - The historical average was calculated using available data when the Huske rain gauge was operable.

Table 2-3A
FTC Sampling Summary - Seep A
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-12-072624 SEEP-A-EFFLUENT-12-072624	July 26, 2024	July 26, 2024
SEEP-A-INFLUENT-6-080524 SEEP-A-EFFLUENT-6-080524	August 5, 2024	August 5, 2024
SEEP-A-INFLUENT-24-081724 SEEP-A-EFFLUENT-24-081724	August 17, 2024	August 17, 2024
SEEP-A-INFLUENT-6-090624 SEEP-A-EFFLUENT-6-090624	September 6, 2024	September 6, 2024
SEEP-A-INFLUENT-24-092424 SEEP-A-EFFLUENT-24-092424	September 24, 2024	September 24, 2024

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode for part of July, August, and September 2024. Performance samples were not collected while the FTC was closed.

3 - During batch mode operations on July 26, water was pumped from the impoundment through a manifold equipped with a flowmeter into the FTC. During this occurrence of pumping, two 6-hour composite performance samples were collected at Seep A, resulting in 12 aliquots.

4 - During batch mode operations on August 5 and September 6, water was pumped from the impoundment through a manifold equipped with a flowmeter into the FTC. During each occurrence of pumping, one 6-hour composite performance sample was collected at Seep A.

Table 2-3B
FTC Sampling Summary - Seep B
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-B-INFLUENT-24-092424 SEEP-B-EFFLUENT-24-092424	September 24, 2024	September 24, 2024

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode for part of July, August, and September 2024. Performance samples were not collected while the FTC was closed.

Table 2-3C
FTC Sampling Summary - Seep C
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-6-070124 SEEP-C-EFFLUENT-6-070124	July 1, 2024	July 1, 2024
SEEP-C-INFLUENT-24-072224 SEEP-C-EFFLUENT-24-072224	July 22, 2024	July 22, 2024
SEEP-C-INFLUENT-24-072624 SEEP-C-EFFLUENT-24-072624	July 26, 2024	July 26, 2024
SEEP-C-INFLUENT-24-080424 SEEP-C-EFFLUENT-24-080424	August 3 - August 4, 2024	August 4, 2024
SEEP-C-INFLUENT-24-092424 SEEP-C-EFFLUENT-24-092424	September 24, 2024	September 24, 2024

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode for part of July, August, and September 2024. Performance samples were not collected while the FTC was closed.

3 - During batch mode operation on July 1, water was pumped from the impoundments through a manifold equipped with a flowmeter into the FTC. During this occurrence of pumping, one 6-hour composite performance sample was collected at Seep C.

Table 2-3D
FTC Sampling Summary - Seep D
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-24-081724 SEEP-D-EFFLUENT-24-081724	August 17, 2024	August 17, 2024
SEEP-D-INFLUENT-24-082824 SEEP-D-EFFLUENT-24-082824	August 28, 2024	August 28, 2024
SEEP-D-INFLUENT-6-083024 SEEP-D-EFFLUENT-6-083024	August 30, 2024	August 30, 2024
SEEP-D-INFLUENT-6-090624 SEEP-D-EFFLUENT-6-090624	September 6, 2024	September 6, 2024
SEEP-D-INFLUENT-24-092424 SEEP-D-EFFLUENT-24-092424	September 24, 2024	September 24, 2024

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode for part of July, August, and September 2024. Performance samples were not collected while the FTC was closed.

3 - During batch mode operations on August 30 and September 6, water was pumped from the impoundment through a manifold equipped with a flowmeter into the FTC. During each occurrence of pumping, one 6-hour composite performance sample was collected at Seep D.

Table 2-4A
FTC Performance Monitoring Analytical Results - Seep A
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-A-INFLUENT-12-072624** Sample Date: 26-Jul-24	**SEEP-A-EFFLUENT-12-072624** Sample Date: 26-Jul-24	**Percent Removal**	**SEEP-A-INFLUENT-6-080524** Sample Date: 5-Aug-24	**SEEP-A-EFFLUENT-6-080524** Sample Date: 5-Aug-24	**Percent Removal**	**SEEP-A-INFLUENT-24-081724** Sample Date: 17-Aug-24	**SEEP-A-EFFLUENT-24-081724** Sample Date: 17-Aug-24	**Percent Removal**	**SEEP-A-INFLUENT-6-090624** Sample Date: 06-Sep-24	**SEEP-A-EFFLUENT-6-090624** Sample Date: 06-Sep-24	**Percent Removal**
Hfpo Dimer Acid	**7,600**	**2.3**	>99.9%	**8,100**	**6.5**	99.9%	**3,400**	**6.7**	99.8%	**4,400**	**4.0 B**	99.9%
PFMOAA	**15,000**	**45**	99.7%	**16,000**	**130**	99.2%	**5,400**	**48**	99.1%	**7,000**	**32**	99.5%
PFO2HxA	**12,000**	**6.8**	99.9%	**13,000**	**20**	99.8%	**5,300**	**15**	99.7%	**6,500**	**8.2 B**	99.9%
PFO3OA	**3,000**	<2.0	>99.9%	**3,000**	**4.9**	99.8%	**1,600**	**4.9**	99.7%	**1,900**	**2.2 B**	99.9%
PFO4DA	**970**	<2.0	>99.9%	**1,100**	**3.5**	99.7%	**790**	**2.7**	99.7%	**900**	<2.0	>99.9%
PFO5DA	**390**	<2.0	>99.9%	**430**	<2.0	>99.9%	**360**	<2.0	>99.9%	**440**	<2.0	>99.9%
PMPA	**6,000**	**12**	99.8%	**6,000**	**29**	99.5%	**1,900**	**14**	99.3%	**2,600**	<10	>99.9%
PEPA	**2,500**	<10	>99.9%	**2,500**	<10	>99.9%	**910**	<10	>99.9%	**1,100**	<10	>99.9%
PS Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-PS Acid	**180**	<2.0	>99.9%	**230**	<2.0	>99.9%	**210**	<2.0	>99.9%	**220**	<2.0	>99.9%
R-PSDA	**650 J**	<2.0	>99.9%	**690 J**	<2.0	>99.9%	**500 J**	<2.0	>99.9%	**600 J**	<2.0	>99.9%
Hydrolyzed PSDA	**2,000 J**	<2.0	>99.9%	**2,300 J**	**7.0 J**	99.7%	**480 J**	**3.2 J**	99.3%	**980 J**	**2.1 J**	99.8%
R-PSDCA	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
NVHOS, Acid Form	**340**	<2.0	>99.9%	**400**	<2.0	>99.9%	**120**	<2.0	>99.9%	**160**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-EVE Acid	**190**	<2.0	>99.9%	**190**	<2.0	>99.9%	**130**	<2.0	>99.9%	**160**	<2.0	>99.9%
R-EVE	**350 J**	<2.0	>99.9%	**380 J**	<2.0	>99.9%	**220 J**	<2.0	>99.9%	**250 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**48,000**	**66**	**99.9%**	**51,000**	**190**	**99.6%**	**20,000**	**91**	**99.5%**	**25,000**	**46**	**99.8%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
B - Not detected substantially above the level reported in the laboratory or field blanks.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4A
FTC Performance Monitoring Analytical Results - Seep A
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-A-INFLUENT-24-092424** Sample Date: 24-Sep-24	**SEEP-A-EFFLUENT-24-092424** Sample Date: 24-Sep-24	**Percent Removal**
Hfpo Dimer Acid	**2,000**	**3.5 B**	99.8%
PFMOAA	**2,600**	**33**	98.7%
PFO2HxA	**2,600**	**8.6 B**	99.7%
PFO3OA	**950**	<2.0	>99.9%
PFO4DA	**590**	<2.0	>99.9%
PFO5DA	**420**	<2.0	>99.9%
PMPA	**1,100**	<10	>99.9%
PEPA	**470**	<10	>99.9%
PS Acid	**130**	<2.0	>99.9%
Hydro-PS Acid	**160**	<2.0	>99.9%
R-PSDA	**300 J**	<2.0	>99.9%
Hydrolyzed PSDA	**890 J**	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%
NVHOS, Acid Form	**76**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%
Hydro-EVE Acid	**120**	<2.0	>99.9%
R-EVE	**120 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**11,000**	**45**	**99.6%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
B - Not detected substantially above the level reported in the laboratory or field blanks.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4B
FTC Performance Monitoring Analytical Results - Seep B
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-B-INFLUENT-24-092424** Sample Date: 24-Sep-24	**SEEP-B-EFFLUENT-24-092424** Sample Date: 24-Sep-24	**Percent Removal**
Hfpo Dimer Acid	**2,800**	**22**	99.2%
PFMOAA	**2,700**	**94**	96.5%
PFO2HxA	**1,700**	**36**	97.9%
PFO3OA	**470**	**5.1 B**	98.9%
PFO4DA	**170**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%
PMPA	**2,300**	**45**	98.0%
PEPA	**1,100**	**13**	98.8%
PS Acid	**160**	<2.0	>99.9%
Hydro-PS Acid	**140**	<2.0	>99.9%
R-PSDA	**450 J**	**2.9 J**	99.4%
Hydrolyzed PSDA	**1,600 J**	**15 J**	99.1%
R-PSDCA	<50	<2.0	>99.9%
NVHOS, Acid Form	**130**	**2.3**	98.2%
EVE Acid	**130**	<2.0	>99.9%
Hydro-EVE Acid	**190**	<2.0	>99.9%
R-EVE	**250 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[2,3]	**12,000**	**220**	**98.2%**

Notes:
1- Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
B - Not detected substantially above the level reported in the laboratory or field blanks.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4C
FTC Performance Monitoring Analytical Results - Seep C
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-C-INFLUENT-6-070124** Sample Date: 1-Jul-24	**SEEP-C-EFFLUENT-6-070124** Sample Date: 1-Jul-24	**Percent Removal**	**SEEP-C-INFLUENT-24-072224** Sample Date: 22-Jul-24	**SEEP-C-EFFLUENT-24-072224** Sample Date: 22-Jul-24	**Percent Removal**	**SEEP-C-INFLUENT-24-072624** Sample Date: 26-Jul-24	**SEEP-C-EFFLUENT-24-072624** Sample Date: 26-Jul-24	**Percent Removal**	**SEEP-C-INFLUENT-24-080424** Sample Date: 4-Aug-24	**SEEP-C-EFFLUENT-24-080424** Sample Date: 4-Aug-24	**Percent Removal**
Hfpo Dimer Acid	**650**	**3.8**	99.4%	**290**	**4.1**	98.6%	**840**	<2.0	>99.9%	**1,500**	<2.0	>99.9%
PFMOAA	**2,400**	**22**	99.1%	**1,200**	**16**	98.7%	**1,400**	**9.8**	99.3%	**2,700**	**12**	99.6%
PFO2HxA	**1,400**	**8.0**	99.4%	**640**	**8.4**	98.7%	**820**	**3.2**	99.6%	**1,800**	**3.4**	99.8%
PFO3OA	**360**	<2.0	>99.9%	**190**	<2.0	>99.9%	**310**	<2.0	>99.9%	**710**	<2.0	>99.9%
PFO4DA	**110**	<2.0	>99.9%	**93**	<2.0	>99.9%	**140**	<2.0	>99.9%	**340**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	<78	<2.0	>99.9%	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	<620	<10	>99.9%	<620	<10	>99.9%	<620	<10	>99.9%	**680**	<10	>99.9%
PEPA	<250	<10	>99.9%	<250	<10	>99.9%	<250	<10	>99.9%	<250	<10	>99.9%
PS Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-PS Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	**76**	<2.0	>99.9%
R-PSDA	<71	<2.0	>99.9%	<71	<2.0	>99.9%	<71	<2.0	>99.9%	**140 J**	<2.0	>99.9%
Hydrolyzed PSDA	<50	<2.0	>99.9%	<50	<2.0	>99.9%	**98 J**	<2.0	>99.9%	<50	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
NVHOS, Acid Form	<50	<2.0	>99.9%	<50	<2.0	>99.9%	**89**	<2.0	>99.9%	**110**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-EVE Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	**60**	<2.0	>99.9%	**170**	<2.0	>99.9%
R-EVE	<72	<2.0	>99.9%	<72	<2.0	>99.9%	<72	<2.0	>99.9%	**110 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**4,900**	**34**	**99.3%**	**2,400**	**29**	**>99.9%**	**3,700**	**13**	**>99.9%**	**8,100**	**15**	**99.8%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4C
FTC Performance Monitoring Analytical Results - Seep C
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-C-INFLUENT-24-092424** Sample Date: 24-Sep-24	**SEEP-C-EFFLUENT-24-092424** Sample Date: 24-Sep-24	**Percent Removal**
Hfpo Dimer Acid	**1,200**	**66**	94.5%
PFMOAA	**1,800**	**100**	94.4%
PFO2HxA	**1,400**	**100**	92.9%
PFO3OA	**580**	**32**	94.5%
PFO4DA	**280**	**12**	95.7%
PFO5DA	<78	<2.0	>99.9%
PMPA	<620	**32**	—[4]
PEPA	<250	**12**	—[4]
PS Acid	<50	<2.0	>99.9%
Hydro-PS Acid	**69**	**2.2**	96.8%
R-PSDA	**93 J**	<2.0	>99.9%
Hydrolyzed PSDA	<50	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%
NVHOS, Acid Form	**61**	**2.0**	96.7%
EVE Acid	<50	<2.0	>99.9%
Hydro-EVE Acid	**160**	**6.1**	96.2%
R-EVE	**75 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**5,600**	**360**	**93.6%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
4 - Percent removal is not calculated, since, for unknown reasons, the analyte was not detected in the influent.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4D
FTC Performance Monitoring Analytical Results - Seep D
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-D-INFLUENT-24-081724** Sample Date: 17-Aug-24	**SEEP-D-EFFLUENT-24-081724** Sample Date: 17-Aug-24	**Percent Removal**	**SEEP-D-INFLUENT-24-082824** Sample Date: 28-Aug-24	**SEEP-D-EFFLUENT-24-082824** Sample Date: 28-Aug-24	**Percent Removal**	**SEEP-D-INFLUENT-6-083024** Sample Date: 30-Aug-24	**SEEP-D-EFFLUENT-6-083024** Sample Date: 30-Aug-24	**Percent Removal**	**SEEP-D-INFLUENT-6-090624** Sample Date: 6-Sep-24	**SEEP-D-EFFLUENT-6-090624** Sample Date: 6-Sep-24	**Percent Removal**
Hfpo Dimer Acid	**850**	**2.1**	99.8%	**7,000**	**2.9**	>99.9%	**2,800**	<2.0	>99.9%	**2,900**	**6.9 B**	99.8%
PFMOAA	**2,700**	**21**	99.2%	**18,000**	**17**	99.9%	**9,700**	**8.4 B**	99.9%	**6,400**	**64**	99.0%
PFO2HxA	**1,600**	**4.5**	99.7%	**11,000**	**7.0**	99.9%	**4,500**	**3.2 B**	99.9%	**3,900**	**22**	99.4%
PFO3OA	**480**	<2.0	>99.9%	**3,200**	<2.0	>99.9%	**1,400**	<2.0	>99.9%	**1,100**	**2.0 B**	99.8%
PFO4DA	**210**	<2.0	>99.9%	**1,300**	<2.0	>99.9%	**470**	<2.0	>99.9%	**420**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	**170**	<2.0	>99.9%	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	<620	<10	>99.9%	**3,800**	<10	>99.9%	**1,400**	<10	>99.9%	**1,500**	<10	>99.9%
PEPA	<250	<10	>99.9%	**1,400**	<10	>99.9%	**490**	<10	>99.9%	**500**	<10	>99.9%
PS Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-PS Acid	**60**	<2.0	>99.9%	**350**	<2.0	>99.9%	**120**	<2.0	>99.9%	**100**	<2.0	>99.9%
R-PSDA	**120 J**	<2.0	>99.9%	**890 J**	<2.0	>99.9%	**290 J**	<2.0	>99.9%	**270 J**	<2.0	>99.9%
Hydrolyzed PSDA	**60 J**	<2.0	>99.9%	**750 J**	<2.0	>99.9%	**240 J**	<2.0	>99.9%	**270 J**	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
NVHOS, Acid Form	**76**	<2.0	>99.9%	**340**	<2.0	>99.9%	**140**	<2.0	>99.9%	**120**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-EVE Acid	**58**	<2.0	>99.9%	**440**	<2.0	>99.9%	**170**	<2.0	>99.9%	**140**	<2.0	>99.9%
R-EVE	<72	<2.0	>99.9%	**520 J**	<2.0	>99.9%	**150 J**	<2.0	>99.9%	**160 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**6,000**	**28**	**99.5%**	**47,000**	**27**	**99.9%**	**21,000**	**12**	**99.9%**	**17,000**	**95**	**99.4%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
B - Not detected substantially above the level reported in the laboratory or field blanks.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4D
FTC Performance Monitoring Analytical Results - Seep D
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-D-INFLUENT-24-092424** Sample Date: 24-Sep-24	**SEEP-D-EFFLUENT-24-092424** Sample Date: 24-Sep-24	**Percent Removal**
Hfpo Dimer Acid	**1,000**	**2.2 B**	99.8%
PFMOAA	**3,300**	**21**	99.4%
PFO2HxA	**1,700**	**5.6 B**	99.7%
PFO3OA	**430**	<2.0	>99.9%
PFO4DA	**190**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%
PMPA	**770**	<10	>99.9%
PEPA	**270**	<10	>99.9%
PS Acid	<50	<2.0	>99.9%
Hydro-PS Acid	**50**	<2.0	>99.9%
R-PSDA	**120 J**	<2.0	>99.9%
Hydrolyzed PSDA	**85 J**	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%
NVHOS, Acid Form	**66**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%
Hydro-EVE Acid	**61**	<2.0	>99.9%
R-EVE	**75 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**7,800**	**29**	**99.6%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
B - Not detected substantially above the level reported in the laboratory or field blanks.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-5A
FTC Water Quality Data - Seep A
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
7/26/2024[3]	10.79	9.49	-1.30	7.63	4.61	-3.02	396.63	367.66	-28.97	20.69	21.79	1.10	30.63	2.44	-28.19	30	<1	-30
8/5/2024[3]	7.71	10.05	2.34	7.48	4.67	-2.81	257.34	330.53	73.19	19.01	17.26	-1.75	10.45	1.76	-8.69	110	2.3 J	-108
8/17/2024	7.95	8.31	0.36	7.3	6.94	-0.4	319.68	168.44	-151.24	24.62	24.73	0.11	88.16	3.7	-84.5	33	<1	-33
9/6/2024	9.26	8.66	-0.60	7.84	7.45	-0.4	263.75	254.4	-9.3	27.10	27.27	0.17	17.33	4.0	-13.3	20	1.6 J	-18
9/24/2024	7.91	8.19	0.28	5.17	4.68	-0.49	208.51	132.38	-76.13	25.44	25.45	0.01	21.25	0.01	-21.24	21	1.8 J	-19
Average	*8.72*	*8.94*	*0.22*	*7.1*	*5.67*	*-1.4*	*289.18*	*250.7*	*-38.5*	*23.37*	*23.30*	*-0.07*	*33.56*	*2.4*	*-31.2*	*43*	*1*	*-42*
Median	*7.95*	*8.66*	*0.71*	*7.5*	*4.68*	*-2.8*	*263.75*	*254.4*	*-9.3*	*24.62*	*24.73*	*0.11*	*21.25*	*2.4*	*-18.8*	*30*	*2*	*-28*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
3 - The pH measurements on 7/26/24 and 8/5/2024 are potentially anomalous compared to historical trends, but have not been excluded from statistical calculations.
J - Analyte detected. Reported value may not be accurate or precise.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 2-5B
FTC Water Quality Data - Seep B
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
9/24/2024	7.97	8.13	0.16	6.22	6.66	0.44	86.24	89.39	3.15	25.61	25.88	0.27	10.18	0.19	-9.99	24	4.4	-20
Average	*7.97*	*8.13*	*0.16*	*6.22*	*6.66*	*0.44*	*86.24*	*89.39*	*3.15*	*25.61*	*25.88*	*0.27*	*10.18*	*0.19*	*-10.00*	*24*	*4.4*	*-20*
Median	*7.97*	*8.13*	*0.16*	*6.22*	*6.66*	*0.44*	*86.24*	*89.39*	*3.15*	*25.61*	*25.88*	*0.27*	*10.18*	*0.19*	*-10.00*	*24*	*4.4*	*-20*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 2-5C
FTC Water Quality Data - Seep C
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
7/1/2024[3]	8.03	9.62	1.59	7.76	8.07	0.31	454.58	336.98	-117.60	12.93	10.33	-2.60	147.44	21.58	-125.86	50	8.3	-42
7/22/2024[3]	6.68	9.17	2.49	8.56	7.78	-0.78	209.76	194.54	-15.22	15.79	12.89	-2.90	90.66	8.37	-82.29	20	3.5	-17
7/26/2024[3]	9.94	8.76	-1.18	6.09	6.57	0.48	224.38	336.97	112.59	23.03	12.89	-10.14	57.17	2.73	-54.44	13	2.4 J	-11
8/4/2024	7.54	8.15	0.61	7.64	7.58	-0.06	395.47	251.5	-144.0	23.38	23.03	-0.35	77.92	9.1	-68.8	11	2.6 J	-8
9/24/2024	7.79	8.33	0.54	6.78	7.49	0.71	107.85	164.43	56.58	26.17	26.28	0.11	5.81	2.15	-3.66	6.6	1 J	-6
Average	*8.00*	*8.81*	*0.80*	*7.37*	*7.50*	*0.10*	*278.41*	*256.9*	*-21.5*	*24.78*	*24.66*	*-0.10*	*75.80*	*8.8*	*-67.0*	*20*	*4*	*-17*
Median	*7.79*	*8.76*	*1.00*	*7.64*	*7.58*	*0.00*	*224.38*	*251.5*	*27.1*	*24.78*	*24.66*	*-0.10*	*77.92*	*8.4*	*-69.5*	*13*	*3*	*-10*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
3 - The temperature measurements on 7/1/24, 7/22/24, and 7/26/24 were collected after samples had been refrigerated and are not indicative of field conditions. The measurements have been excluded from statistical calculations.
J - Analyte detected. Reported value may not be accurate or precise.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
mS/cm - milliSiemens per centimeter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 2-5D
FTC Water Quality Data - Seep D
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
8/17/2024	8.3	8.28	0.0	6.97	7.09	0.12	2.09	94	92	24.8	24.87	0.1	15.73	7.28	-8.45	15 J	1.5 J	-14
8/28/2024	6.02	5.6	-0.4	7.89	7.6	-0.3	495.71	92.38	-403.33	29.47	24.06	-5.41	33.05	0	-33	23	1.8 J	-21
8/30/2024	8.99	9.03	0.04	7.67	7.78	0.11	159.55	86.79	-72.76	23.83	24.06	0.23	44.86	2.11	-42.75	4.9 J	<1 UJ	-5
9/6/2024	8.67	8.6	-0.1	7.49	7.61	0.12	113.94	114.1	0.2	27.86	28.36	0.50	5.84	1.87	-3.97	5	1.5 J	-4
9/24/2024	7.93	8.35	0.42	7.49	7.18	-0.31	69.88	73	3	25.99	25.87	-0.12	5.48	1.55	-3.93	3.2	<1	-3
Average	*8.0*	*8.0*	*0.0*	*7.50*	*7.5*	*0.0*	*168.23*	*92*	*-76*	*26.4*	*25.44*	*-0.9*	*20.99*	*3*	*-18*	*10*	*1*	*-9*
Median	*8.3*	*8.4*	*0.0*	*7.49*	*7.6*	*0.1*	*113.94*	*92*	*-22*	*26.0*	*24.87*	*-1.1*	*15.73*	*2*	*-14*	*5*	*2*	*-4*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Flow Totalizer Data from Seeps and Weeps Capture Systems Operated by GEOServices (gallons)						Surge Pond Flow to 004 GWTP Operated by Veolia	
	Seep A Totalizer (Cumulative)	Seep A Tributary Totalizer (Cumulative)	Seep B Totalizer (Cumulative)	Willis Creek Tributary Totalizer (Cumulative)	Weep 3 Totalizer (Cumulative)	Cumulative Volume Calculated from Capture System Totalizers	Daily Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)	Cumulative Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)
Prior Total	10,078,704	1,837,408	7,033,911	739,534	2,242,208	21,931,765	24,390,837	
7/1/2024	10,168,843	1,851,634	7,119,014	744,103	2,280,085	22,163,679	75,047	24,465,884
7/2/2024	10,180,992	1,852,139	7,124,247	745,278	2,283,078	22,185,734	76,690	24,542,573
7/3/2024	10,193,787	1,852,729	7,126,786	745,754	2,303,769	22,222,825	76,865	24,619,439
7/4/2024	10,208,137	1,852,801	7,127,210	746,215	2,305,469	22,239,832	76,770	24,696,209
7/5/2024	10,221,175	1,853,588	7,128,968	746,448	2,326,434	22,276,613	77,173	24,773,382
7/6/2024	10,235,468	1,853,667	7,129,041	746,884	2,327,428	22,292,488	77,156	24,850,537
7/7/2024	10,251,227	1,858,045	7,132,509	749,374	2,328,248	22,319,403	57,018	24,907,555
7/8/2024	10,265,386	1,858,129	7,132,686	750,008	2,348,062	22,354,271	33,758	24,941,313
7/9/2024	10,278,286	1,858,880	7,134,121	750,489	2,348,724	22,370,500	29,258	24,970,571
7/10/2024	10,292,891	1,858,965	7,134,200	750,730	2,349,166	22,385,952	13,956	24,984,527
7/11/2024	10,306,216	1,859,674	7,135,108	751,184	2,368,853	22,421,035	30,141	25,014,668
7/12/2024	10,336,872	1,868,142	7,142,011	751,622	2,373,257	22,471,904	22,746	25,037,414
7/13/2024	10,353,972	1,868,810	7,163,154	754,332	2,394,095	22,534,363	76,321	25,113,735
7/14/2024	10,365,866	1,868,901	7,167,274	755,091	2,395,818	22,552,950	75,850	25,189,585
7/15/2024	10,380,163	1,875,300	7,171,938	755,792	2,416,560	22,599,753	30,418	25,220,003
7/16/2024	10,393,424	1,875,300	7,171,938	756,095	2,417,354	22,614,111	63,625	25,283,628
7/17/2024	10,406,027	1,875,300	7,171,960	756,750	2,418,550	22,628,587	16,693	25,300,321
7/18/2024	10,420,415	1,875,300	7,172,046	756,985	2,441,175	22,665,921	12,695	25,313,016
7/19/2024	10,474,364	1,881,701	7,207,579	759,992	2,447,904	22,771,540	63,215	25,376,231
7/20/2024	10,501,578	1,885,460	7,223,414	761,809	2,472,579	22,844,840	76,024	25,452,255
7/21/2024	10,543,175	1,890,800	7,261,682	764,093	2,482,034	22,941,784	76,206	25,528,460
7/22/2024	10,626,163	1,907,270	7,295,575	767,579	2,509,884	23,106,471	76,124	25,604,584
7/23/2024	10,708,819	1,910,747	7,357,049	773,017	2,531,012	23,280,644	76,546	25,681,131
7/24/2024	10,843,482	1,926,774	7,425,696	779,741	2,552,938	23,528,631	77,321	25,758,452
7/25/2024	10,862,892	1,935,039	7,438,902	781,332	2,554,612	23,572,777	134,234	25,892,686
7/26/2024	10,927,176	1,940,253	7,474,237	785,018	2,576,070	23,702,754	146,414	26,039,100
7/27/2024	10,948,440	1,942,029	7,501,276	787,408	2,576,593	23,755,746	147,759	26,186,859
7/28/2024	10,962,779	1,943,103	7,508,771	788,999	2,596,374	23,800,026	148,534	26,335,393
7/29/2024	10,976,444	1,947,957	7,512,528	790,049	2,610,306	23,837,284	148,651	26,484,044
7/30/2024	11,004,546	1,949,226	7,533,531	792,155	2,619,169	23,898,627	142,785	26,626,829
7/31/2024	11,017,429	1,950,129	7,538,903	793,240	2,628,328	23,928,029	147,987	26,774,817
July Total	938,725	112,721	504,992	53,706	386,120	1,996,264	2,383,980	

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Flow Totalizer Data from Seeps and Weeps Capture Systems Operated by GEOServices (gallons)						Surge Pond Flow to 004 GWTP Operated by Veolia	
	Seep A Totalizer (Cumulative)	Seep A Tributary Totalizer (Cumulative)	Seep B Totalizer (Cumulative)	Willis Creek Tributary Totalizer (Cumulative)	Weep 3 Totalizer (Cumulative)	Cumulative Volume Calculated from Capture System Totalizers	Daily Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)	Cumulative Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)
8/1/2024	11,031,274	1,950,846	7,542,241	794,213	2,634,826	23,953,400	147,472	26,922,289
8/2/2024	11,045,061	1,957,792	7,544,216	795,170	2,647,496	23,989,735	146,157	27,068,446
8/3/2024	11,092,076	1,958,648	7,577,794	797,804	2,653,965	24,080,287	144,156	27,212,601
8/4/2024	11,107,686	1,963,437	7,587,582	798,965	2,672,720	24,130,390	97,103	27,309,704
8/5/2024	11,136,435	1,964,485	7,619,695	800,379	2,679,269	24,200,263	114,546	27,424,250
8/6/2024	11,142,328	1,972,858	7,628,441	801,502	2,705,136	24,250,265	110,858	27,535,108
8/7/2024	11,296,992	2,022,313	7,774,812	808,976	2,769,091	24,672,184	134,119	27,669,227
8/8/2024	11,451,658	2,079,627	7,962,036	829,588	2,984,201	25,307,110	164,912	27,834,139
8/9/2024	11,606,322	2,133,012	8,149,260	839,300	3,028,965	25,756,859	287,227	28,121,366
8/10/2024	11,758,212	2,186,397	8,286,899	844,094	3,117,238	26,192,840	297,534	28,418,900
8/11/2024	11,912,878	2,239,782	8,474,126	851,314	3,213,236	26,691,336	299,264	28,718,165
8/12/2024	12,067,544	2,293,167	8,661,353	858,724	3,264,742	27,145,530	298,201	29,016,366
8/13/2024	12,194,918	2,346,551	8,807,089	863,439	3,297,387	27,509,384	296,535	29,312,901
8/14/2024	12,254,345	2,359,331	8,891,745	867,704	3,321,098	27,694,223	297,256	29,610,157
8/15/2024	12,292,350	2,367,797	8,969,057	871,388	3,341,127	27,841,719	281,591	29,891,748
8/16/2024	12,333,079	2,375,094	9,005,973	874,589	3,357,371	27,946,106	203,570	30,095,318
8/17/2024	12,366,505	2,381,628	9,063,010	877,395	3,373,437	28,061,975	160,609	30,255,926
8/18/2024	12,397,299	2,387,105	9,111,917	880,068	3,387,465	28,163,854	164,612	30,420,538
8/19/2024	12,439,822	2,396,267	9,162,316	883,073	3,403,183	28,284,661	163,703	30,584,241
8/20/2024	12,492,278	2,400,776	9,198,843	885,766	3,415,141	28,392,804	132,382	30,716,623
8/21/2024	12,517,814	2,404,860	9,228,823	888,031	3,426,984	28,466,512	163,950	30,880,573
8/22/2024	12,540,692	2,408,279	9,254,316	889,964	3,438,300	28,531,551	164,100	31,044,673
8/23/2024	12,561,248	2,411,651	9,277,987	892,066	3,449,168	28,592,120	166,344	31,211,018
8/24/2024	12,583,707	2,414,708	9,301,413	893,946	3,458,361	28,652,135	165,285	31,376,302
8/25/2024	12,603,415	2,417,671	9,324,676	896,028	3,469,053	28,710,843	164,215	31,540,517
8/26/2024	12,624,503	2,420,242	9,345,415	897,841	3,479,564	28,767,565	162,490	31,703,007
8/27/2024	12,644,139	2,422,796	9,365,018	899,631	3,489,992	28,821,576	161,111	31,864,118
8/28/2024	12,664,775	2,424,990	9,383,028	901,388	3,498,926	28,873,107	159,566	32,023,684
8/29/2024	N/A	N/A	N/A	N/A	N/A	N/A	160,391	32,184,075
8/30/2024	12,703,612	2,429,256	9,414,487	904,603	3,518,073	28,970,031	160,391	32,344,466
8/31/2024	12,726,033	2,434,240	9,442,424	907,067	3,528,664	29,038,428	160,404	32,504,870
August Total	1,708,604	484,111	1,903,521	113,827	900,336	5,110,399	5,730,054	

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Flow Totalizer Data from Seeps and Weeps Capture Systems Operated by GEOServices (gallons)						Surge Pond Flow to 004 GWTP Operated by Veolia	
	Seep A Totalizer (Cumulative)	Seep A Tributary Totalizer (Cumulative)	Seep B Totalizer (Cumulative)	Willis Creek Tributary Totalizer (Cumulative)	Weep 3 Totalizer (Cumulative)	Cumulative Volume Calculated from Capture System Totalizers	Daily Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)	Cumulative Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)
9/1/2024	12,745,440	2,436,152	9,461,611	908,679	3,538,853	29,090,735	160,114	32,664,985
9/2/2024	12,765,078	2,439,065	9,481,525	910,701	3,549,018	29,145,387	160,574	32,825,558
9/3/2024	12,783,647	2,440,699	9,500,396	912,565	3,557,696	29,195,003	160,809	32,986,367
9/4/2024	12,801,272	2,442,320	9,513,569	914,005	3,566,364	29,237,530	162,582	33,148,949
9/5/2024	12,820,986	2,443,789	9,526,000	915,449	3,574,960	29,281,184	163,352	33,312,300
9/6/2024	12,837,425	2,445,454	9,539,932	916,918	3,577,804	29,317,533	161,222	33,473,523
9/7/2024	12,862,981	2,451,110	9,566,970	919,652	3,578,950	29,379,663	165,212	33,638,735
9/8/2024	12,881,371	2,452,663	9,594,593	921,559	3,580,080	29,430,266	161,675	33,800,410
9/9/2024	12,898,067	2,453,910	9,609,521	923,293	3,597,497	29,482,288	163,236	33,963,645
9/10/2024	12,915,787	2,455,232	9,622,155	924,758	3,609,868	29,527,800	165,061	34,128,706
9/11/2024	12,932,925	2,456,467	9,633,812	926,205	3,619,537	29,568,946	93,244	34,221,950
9/12/2024	12,950,909	2,457,886	9,645,928	927,669	3,629,182	29,611,574	83,787	34,305,737
9/13/2024	12,970,888	2,461,760	9,662,589	929,114	3,641,807	29,666,158	59,770	34,365,506
9/14/2024	12,990,153	2,464,131	9,690,218	931,621	3,651,391	29,727,514	83,475	34,448,982
9/15/2024	13,006,684	2,465,544	9,707,701	933,367	3,662,139	29,775,435	64,387	34,513,369
9/16/2024	13,161,348	2,518,926	9,803,270	934,940	3,759,948	30,178,432	70,097	34,583,466
9/17/2024	13,316,013	2,572,310	9,990,496	942,333	3,791,917	30,613,069	164,349	34,747,815
9/18/2024	13,384,305	2,590,743	10,081,976	946,253	3,809,463	30,812,740	168,938	34,916,753
9/19/2024	13,402,095	2,598,019	10,120,631	949,400	3,824,406	30,894,551	163,361	35,080,113
9/20/2024	13,422,719	2,601,236	10,156,928	952,189	3,838,937	30,972,009	161,201	35,241,314
9/21/2024	13,440,757	2,604,589	10,187,561	954,882	3,851,869	31,039,658	159,507	35,400,821
9/22/2024	13,459,822	2,607,460	10,214,178	957,303	3,864,848	31,103,611	157,923	35,558,744
9/23/2024	13,478,398	2,610,282	10,239,050	959,470	3,877,545	31,164,745	164,830	35,723,574
9/24/2024	13,496,108	2,612,862	10,263,868	961,621	3,889,740	31,224,199	158,400	35,881,975
9/25/2024	13,514,499	2,615,375	10,287,059	963,774	3,901,543	31,282,250	162,716	36,044,691
9/26/2024	13,540,240	2,622,301	10,308,554	966,225	3,916,462	31,353,782	162,600	36,207,291
9/27/2024	13,694,904	2,652,631	10,443,831	969,445	3,955,355	31,716,166	164,624	36,371,915
9/28/2024	13,772,808	2,656,559	10,529,584	975,535	3,971,610	31,906,096	162,711	36,534,626
9/29/2024	13,799,990	2,659,881	10,555,649	978,251	3,985,353	31,979,124	163,189	36,697,815
9/30/2024	13,814,238	2,664,302	10,582,349	980,676	3,999,867	32,041,432	162,441	36,860,257
September Total	1,088,205	230,062	1,139,925	73,609	471,203	3,003,004	4,355,386	
Reporting Period Total	3,735,534	826,894	3,548,438	241,142	1,757,659	10,109,667	12,469,420	

Notes:

1 - Flow data from the Surge Pond through the 004 ground water treatment plant (GWTP) is collected and managed by Veolia.

2 - The daily volume conveyed from surge pond to 004 Treatment Plant is recorded on a 24-hour basis, ending daily at 1 pm. For simplicity, the volume totaled through 1 pm is shown as the daily total in this table.

3 - The daily volumes for flow from capture systems to the surge pond are unavailable for August 29 because of a data transmittal failure in the telemetry network.

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
BCA-01	Black Creek Aquifer	399779.96	2050662.48	146.25	2	101	91-101
BCA-02	Black Creek Aquifer	396242.02	2051062.07	148.37	2	102	92-102
EW-01	Black Creek Aquifer	401683.69	2049951.04	92.04	6	85	60-80
EW-02	Black Creek Aquifer	401683.61	2050289.26	87.97	6	65	40-60
EW-03	Black Creek Aquifer	401723.50	2050594.78	84.67	6	72	57-67
EW-04	Black Creek Aquifer	401714.92	2050848.03	80.00	6	65	50-60
EW-05	Black Creek Aquifer	401654.63	2051059.46	82.93	6	78	63-73
EW-06	Black Creek Aquifer	401489.44	2051117.72	83.58	6	75	50-70
EW-07	Black Creek Aquifer	401350.61	2051160.78	86.45	6	68	53-63
EW-08	Black Creek Aquifer	401184.55	2051164.30	89.05	6	73	58-68
EW-09	Black Creek Aquifer	401008.87	2051129.57	81.08	6	65	40-60
EW-10	Black Creek Aquifer	400870.94	2051128.67	74.12	6	55	30-50
EW-11	Black Creek Aquifer	400683.82	2051280.71	93.12	6	75	60-70
EW-12	Black Creek Aquifer	400591.86	2051415.21	92.10	6	75	50-70
EW-13	Black Creek Aquifer	400527.75	2051513.14	87.95	6	79	54-74
EW-14	Black Creek Aquifer	400375.11	2051570.80	82.23	6	62	47-57
EW-15	Black Creek Aquifer	400223.63	2051556.86	77.23	6	53	38-48
EW-16	Black Creek Aquifer	400042.92	2051489.09	88.11	6	65	50-60
EW-17	Black Creek Aquifer	399975.22	2051517.08	87.84	6	65	40-60
EW-18	Surficial Aquifer	399828.16	2051586.65	74.56	6	30	15-25
EW-19	Black Creek Aquifer	399819.25	2051590.67	74.65	6	51	36-46
EW-20	Surficial Aquifer	399696.08	2051667.78	78.48	6	30	15-25
EW-21	Black Creek Aquifer	399549.59	2051687.61	84.66	6	62	47-57
EW-22	Surficial Aquifer	399298.40	2051754.69	82.54	6	37	22-32
EW-23	Black Creek Aquifer	399289.65	2051759.07	83.05	6	70	45-65
EW-24	Surficial Aquifer	399105.96	2051845.20	83.63	6	31	16-26
EW-25	Black Creek Aquifer	399097.14	2051848.27	83.44	6	75	60-70
EW-26S	Surficial Aquifer	398992.13	2051869.73	83.50	6	30	15-25
EW-27	Surficial Aquifer	398883.14	2051881.19	85.81	6	33	18-28
EW-28	Black Creek Aquifer	398873.71	2051882.01	85.83	6	55	40-50
EW-29	Surficial Aquifer	398743.82	2051874.08	80.62	6	34	19-29
EW-30	Black Creek Aquifer	398733.15	2051872.90	82.01	6	80	55-75
EW-31	Surficial Aquifer	398619.06	2051860.80	80.84	6	33	18-28
EW-32	Black Creek Aquifer	398606.76	2051858.39	81.55	6	53	38-48
EW-33	Surficial Aquifer	398413.39	2051843.45	78.32	6	25	10-20
EW-34	Black Creek Aquifer	398403.44	2051844.29	77.11	6	75	40-70
EW-35	Surficial Aquifer	398342.37	2051862.99	74.44	6	18	8-13
EW-36	Black Creek Aquifer	398333.72	2051867.55	73.98	6	73	38-48, 58-68
EW-37	Surficial Aquifer	398234.57	2051923.02	74.03	6	54	39-49
EW-38	Black Creek Aquifer	398229.45	2051926.24	74.19	6	80	55-75
EW-39	Surficial Aquifer	398113.89	2051992.69	77.19	6	21	6-16
EW-40	Black Creek Aquifer	398104.84	2051997.57	77.00	6	85	60-80
EW-41	Black Creek Aquifer	397944.33	2052019.70	84.99	6	75	50-70
EW-42	Black Creek Aquifer	397792.20	2052011.87	81.93	6	74	49-69
EW-43	Black Creek Aquifer	397657.42	2052005.16	81.80	6	76	51-71

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
EW-44	Surficial Aquifer	397520.77	2051997.72	75.22	6	18	8-13
EW-45	Black Creek Aquifer	397511.10	2051997.30	75.33	6	71	46-66
EW-46	Surficial Aquifer	397374.10	2051993.17	74.94	6	32	17-27
EW-47	Black Creek Aquifer	397364.92	2051992.87	75.02	6	68	43-63
EW-48	Surficial Aquifer	397290.64	2052028.52	79.87	6	31	16-26
EW-49	Black Creek Aquifer	397282.27	2052032.79	79.65	6	79	54-74
EW-50	Surficial Aquifer	397105.59	2052107.53	77.80	6	30	15-25
EW-51	Black Creek Aquifer	397096.10	2052109.76	78.36	6	70	45-65
EW-52	Black Creek Aquifer	396902.85	2052151.05	75.84	6	70	45-65
EW-53	Black Creek Aquifer	396713.03	2052190.03	76.33	6	67	42-62
EW-54	Black Creek Aquifer	396559.35	2052223.00	75.31	6	65	40-60
EW-55	Black Creek Aquifer	396358.87	2052225.92	86.59	6	80	55-75
EW-56	Black Creek Aquifer	396173.96	2052249.38	79.69	6	71	46-66
EW-57	Black Creek Aquifer	395992.47	2052247.52	84.92	6	70	45-65
EW-58	Black Creek Aquifer	395810.15	2052290.53	74.69	6	65	40-60
EW-60	Black Creek Aquifer	395425.21	2052313.29	77.65	6	68	43-63
EW-61	Black Creek Aquifer	395283.80	2052271.16	78.46	6	75	50-70
EW-62	Black Creek Aquifer	395170.54	2052195.07	83.12	6	65	40-60
EW-63	Black Creek Aquifer	395055.17	2052033.12	122.53	6	103	88-98
EW-64	Black Creek Aquifer	394924.16	2051976.78	121.67	6	85	60-80
EW-65	Black Creek Aquifer	394819.93	2051918.54	116.36	6	75	50-70
EW-66	Black Creek Aquifer	394823.51	2051780.19	115.77	6	101	76-96
EW-67	Black Creek Aquifer	394780.57	2051655.69	103.22	6	98	73-93
EW-68	Black Creek Aquifer	394728.65	2051563.34	96.82	6	92	67-87
EW-69	Black Creek Aquifer	394649.04	2051478.42	87.55	6	85	60-80
LTW-01	Floodplain Deposits	399565.01	2052150.62	52.71	2	26	11-26
LTW-02	Black Creek Aquifer	398847.57	2052355.48	51.39	2	38	28-38
LTW-03	Floodplain Deposits	398114.45	2052558.35	51.75	2	30	15-30
LTW-04	Floodplain Deposits	397279.61	2052584.95	50.66	2	27	12-27
LTW-05	Black Creek Aquifer	396430.31	2052740.40	50.94	2	44	29-44
NAF-11B	Surficial Aquifer	398911.13	2050995.88	140.74	2	44	33.5-43.5
OW-02	Black Creek Aquifer	398572.28	2051801.62	84.37	2	73	63-73
OW-03	Black Creek Aquifer	398601.08	2051812.32	84.64	2	73	63-73
OW-04	Black Creek Aquifer	395049.16	2052210.81	80.85	2	57	47-57
OW-04R	Black Creek Aquifer	394990.53	2052236.29	80.03	2	61	51-61
OW-07	Black Creek Aquifer	397180.06	2052052.69	81.45	2	67	57-67
OW-08	Black Creek Aquifer	397202.33	2052041.98	82.30	2	67	57-67
OW-09	Black Creek Aquifer	395075.14	2052211.07	79.78	2	64	54-64
OW-09R	Black Creek Aquifer	395001.93	2052252.38	78.53	2	65	55-65
OW-11	Black Creek Aquifer	401683.39	2049913.61	94.92	1	84	74-84
OW-12	Black Creek Aquifer	401731.33	2050721.09	83.65	1	60	50-60
OW-13	Black Creek Aquifer	400769.33	2051210.62	85.12	1	60	50-60
OW-14	Black Creek Aquifer	400311.42	2051608.03	80.67	1	56	46-56
OW-15	Black Creek Aquifer	399719.91	2051608.62	87.86	1	44	34-44
OW-16	Black Creek Aquifer	399828.66	2051993.25	52.94	1	25	15-25

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
OW-17	Black Creek Aquifer	399433.03	2051661.47	89.67	1	68	58-68
OW-18	Black Creek Aquifer	398846.69	2051836.19	90.88	1	55	45-55
OW-19	Black Creek Aquifer	398067.23	2051976.50	86.68	1	80	70-80
OW-20	Black Creek Aquifer	398229.85	2052080.86	69.59	1	58	48-58
OW-21	Black Creek Aquifer	397521.83	2051950.75	80.85	1	67	57-67
OW-22	Black Creek Aquifer	397325.34	2052218.74	66.63	1	53	43-53
OW-23	Black Creek Aquifer	396776.73	2052355.66	67.83	1	55	45-55
OW-24	Black Creek Aquifer	396677.42	2052158.17	78.67	1	60	50-60
OW-25	Black Creek Aquifer	396182.38	2052428.46	70.91	1	55	45-55
OW-26	Black Creek Aquifer	395503.74	2052268.81	80.85	1	60	50-60
OW-27	Black Creek Aquifer	395555.17	2052622.16	55.6	1	43	33-43
OW-28	Black Creek Aquifer	395570.57	2052838.21	48.49	2	30	20-30
OW-29	Black Creek Aquifer	395193.45	2052143.81	85.67	1	52	42-52
OW-30	Black Creek Aquifer	394988.72	2052537.53	70.92	2	59	49-59
OW-31	Black Creek Aquifer	394812.07	2051595.90	106.1	1	95	85-95
OW-32	Black Creek Aquifer	394563.76	2051792.16	85.05	2	72	62-72
OW-33	Black Creek Aquifer	395116.90	2052806.54	48.59	2	29	19-29
OW-34	Surficial Aquifer	398593.54	2051813.31	83.76	1	33	23-33
OW-35	Surficial Aquifer	398060.78	2051977.75	87.45	1	30	20-30
OW-36	Surficial Aquifer	397257.46	2051997.45	80.61	1	21	11-21
OW-37	Surficial Aquifer	396154.99	2052264.10	77.82	2	35	25-35
OW-38	Black Creek Aquifer	394885.22	2051883.97	123.7	1	70	60-70
OW-39	Black Creek Aquifer	394728.70	2052105.68	92.07	2	78	68-78
OW-40	Black Creek Aquifer	394588.05	2052521.39	72.88	2	59	49-59
OW-41	Black Creek Aquifer	401683.74	2050119.92	93.66	1	92	82-92
OW-42	Black Creek Aquifer	401696.05	2050448.24	87.37	1	68	58-68
OW-43	Black Creek Aquifer	400937.73	2051116.17	76.94	1	50	40-50
OW-44	Black Creek Aquifer	399741.48	2051736.45	73.18	1	44	34-44
OW-45	Black Creek Aquifer	398836.07	2051955.99	77.1	1	60	50-60
OW-46	Black Creek Aquifer	398164.94	2052050.69	72.05	1	69	59-69
OW-47	Black Creek Aquifer	397243.89	2052136.32	71.47	1	59	49-59
OW-48	Black Creek Aquifer	396698.39	2052275.93	69.54	1	52	42-52
OW-49	Black Creek Aquifer	396180.56	2052348.51	79.56	1	63	53-63
OW-50	Black Creek Aquifer	395529.59	2052379.97	71.53	1	53	43-53
OW-51	Black Creek Aquifer	396166.08	2052262.14	77.72	2	66	56-66
OW-52	Black Creek Aquifer	397562.30	2052151.03	60.66	2	47	37-47
OW-53	Black Creek Aquifer	397530.83	2052055.05	75.16	2	68	56-66
OW-54	Black Creek Aquifer	401068.86	2051275.96	47.42	2	12	7-12
OW-55	Black Creek Aquifer	401761.92	2050875.02	75.45	2	58	43-58
OW-56	Black Creek Aquifer	401983.45	2050634.71	44.69	2	12	7-12
OW-57	Black Creek Aquifer	401781.20	2050174.65	68.87	2	43	33-43
OW-58	Floodplain Deposits	394731.98	2052907.48	40.74	2	22	12-22
OW-59	Black Creek Aquifer	401064.37	2050003.35	141.69	2	118	108-118
PIW-10S	Surficial Aquifer	395104.95	2052296.98	76.32	2	17	7-17
PIW-10DR	Black Creek Aquifer	395093.72	2052297.91	74.17	2	58	53-58

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
PIW-11	Black Creek Aquifer	401911.03	2050416.29	67.02	2	57	47-57
PIW-12	Black Creek Aquifer	401703.10	2051025.77	83.78	2	74	64-74
PIW-13	Black Creek Aquifer	401464.29	2051122.60	83.18	2	64	54-64
PIW-14	Black Creek Aquifer	401163.98	2051186.57	87.43	2	66	56-66
PIW-15	Black Creek Aquifer	400706.51	2051532.80	67.85	2	44	34-44
PIW-1S	Floodplain Deposits	400541.03	2051792.39	54.04	2	18	8-18
PIW-1D	Black Creek Aquifer	400548.00	2051801.28	52.16	2	30	24.5-29.5
PIW-2D	Black Creek Aquifer	399925.40	2051315.80	96.19	2	50	40-50
PIW-3D	Black Creek Aquifer	399711.25	2052086.94	53.42	2	24	19-24
PIW-4D	Black Creek Aquifer	398816.52	2052101.94	52.85	2	37	32.3-37.3
PIW-5S	Surficial Aquifer	398519.70	2051950.49	75.02	2	19.8	9.8-19.8
PIW-5SR	Surficial Aquifer	398545.03	2051977.42	79.60	2	25	15-25
PIW-6S	Floodplain Deposits	398117.93	2052539.79	53.40	2	28	18-28
PIW-7D	Black Creek Aquifer	396787.77	2052595.65	48.93	2	34	29-34
PIW-7S	Floodplain Deposits	396786.97	2052589.10	47.97	2	17	7-17
PIW-8D	Black Creek Aquifer	396403.37	2052682.10	48.66	2	40	35-40
PW-02	Surficial Aquifer	399779.06	2050649.47	146.43	2	60	50-60
PW-03	Surficial Aquifer	397339.81	2050765.32	147.97	2	45	35-45
PW-04	Surficial Aquifer	394659.55	2050940.66	97.75	2	27	17-27
PW-10R	Black Creek Aquifer	398516.12	2051936.59	75.90	2	67	57-67
PW-10RR	Black Creek Aquifer	398532.53	2051965.93	79.97	2	71	61-71
PW-11	Black Creek Aquifer	394354.36	2052226.72	73.26	2	64	53-63
PW-14	Black Creek Aquifer	397325.65	2050766.36	147.97	2	146	136-146
PW-15R	Black Creek Aquifer	398900.88	2051011.75	136.14	2	120	110-120
PZ-22	Black Creek Aquifer	397271.94	2052585.34	50.70	1	48	42.5-47.5
SMW-03B	Black Creek Aquifer	399785.75	2049421.54	150.43	2	82	72-82
SMW-09	Surficial Aquifer	401076.89	2050017.41	141.43	2	62	52-62
SMW-12	Black Creek Aquifer	401314.20	2051007.22	118.22	2	98	88-98

Notes:

1 - This table provides well construction details for the wells included under the Performance Monitoring Plan (PMP). It is not comprehensive to the entire well network at the Site.

2 - At one drilling location, EW-59, Black Creek aquifer material was not encountered, therefore there was not a suitable interval to install the well screen. This borehole was abandoned prior to well installation.

BGS - below ground surface

EW - extraction well

FT - feet

NAD83 - North American Datum of 1983

NAVD88 - North American Vertical Datum of 1988

OW - observation well

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
Prior Total	N/A	275,664,955
7/1/2024	331	276,139,227
7/2/2024	328	276,610,587
7/3/2024	330	277,082,619
7/4/2024	326	277,550,075
7/5/2024	323	278,012,251
7/6/2024	321	278,472,379
7/7/2024	323	278,934,843
7/8/2024	322	279,396,123
7/9/2024	324	279,861,211
7/10/2024	320	280,319,131
7/11/2024	324	280,784,955
7/12/2024	325	281,250,779
7/13/2024	299	281,679,835
7/14/2024	317	282,133,947
7/15/2024	320	282,592,827
7/16/2024	322	283,052,795
7/17/2024	319	283,509,755
7/18/2024	321	283,970,619
7/19/2024	323	284,434,075
7/20/2024	327	284,902,331
7/21/2024	325	285,368,667
7/22/2024	316	285,821,243
7/23/2024	305	286,260,475
7/24/2024	293	286,681,371
7/25/2024	321	287,142,075
7/26/2024	323	287,604,955
7/27/2024	325	288,071,131
7/28/2024	327	288,539,675
7/29/2024	327	289,008,507
7/30/2024	317	289,467,291
7/31/2024	323	289,929,435
July Total	N/A	14,264,480

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
8/1/2024	322	290,391,995
8/2/2024	322	290,854,939
8/3/2024	321	291,314,939
8/4/2024	318	291,771,451
8/5/2024	314	292,223,035
8/6/2024	320	292,680,699
8/7/2024	323	293,143,227
8/8/2024	337	293,626,907
8/9/2024	325	294,094,203
8/10/2024	333	294,572,827
8/11/2024	326	295,041,627
8/12/2024	329	295,515,003
8/13/2024	334	295,992,667
8/14/2024	331	296,470,299
8/15/2024	333	296,942,971
8/16/2024	331	297,419,547
8/17/2024	329	297,894,971
8/18/2024	332	298,370,395
8/19/2024	333	298,845,755
8/20/2024	332	299,321,979
8/21/2024	328	299,792,475
8/22/2024	333	300,268,987
8/23/2024	331	300,743,579
8/24/2024	329	301,217,211
8/25/2024	331	301,691,707
8/26/2024	330	302,166,587
8/27/2024	331	302,642,171
8/28/2024	332	303,117,723
8/29/2024	335	303,595,131
8/30/2024	334	304,073,755
8/31/2024	335	304,550,075
August Total	N/A	14,620,640

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
9/1/2024	332	305,026,139
9/2/2024	334	305,501,563
9/3/2024	334	305,975,323
9/4/2024	333	306,450,555
9/5/2024	332	306,929,723
9/6/2024	334	307,411,675
9/7/2024	335	307,894,523
9/8/2024	335	308,375,579
9/9/2024	338	308,857,883
9/10/2024	332	309,335,739
9/11/2024	333	309,809,819
9/12/2024	334	310,286,075
9/13/2024	332	310,762,363
9/14/2024	331	311,237,979
9/15/2024	335	311,715,931
9/16/2024	341	312,204,603
9/17/2024	334	312,683,707
9/18/2024	338	313,167,419
9/19/2024	336	313,648,635
9/20/2024	328	314,118,587
9/21/2024	328	314,588,379
9/22/2024	328	315,058,683
9/23/2024	330	315,531,643
9/24/2024	334	316,008,955
9/25/2024	333	316,487,419
9/26/2024	336	316,969,531
9/27/2024	339	317,456,283
9/28/2024	338	317,940,763
9/29/2024	335	318,420,603
9/30/2024	335	318,900,187
September Total	N/A	14,350,112
Reporting Period Total	N/A	43,235,232

Notes:
1 - Flow rate measurements are collected by the manifold flow meter every 15 minutes.
2 - The cumulative volume extracted is recorded by the GWEC system flow totalizer.
3 - The monthly and reporting period totals are not applicable (N/A) for flow rate values.
GWEC - Groundwater Extraction and Conveyance
gpm - gallons per minute

Table 4-3
Extraction Well Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Target Aquifer	Average Extraction Flow Rate (gpm)			Total Volume (gal)			
		July	August	September	July	August	September	Total Reporting Period
Willis Creek (Northern Alignment)								
EW-01	Black Creek Aquifer	11.71	11.12	11.15	522,678	496,469	481,875	1,501,022
EW-02	Black Creek Aquifer	5.84	5.93	5.92	260,653	264,901	255,903	781,457
EW-03	Black Creek Aquifer	2.22	2.47	2.47	98,919	110,445	106,640	316,004
EW-04	Black Creek Aquifer	0.31	0.99	0.98	13,861	44,013	42,443	100,317
EW-05	Black Creek Aquifer	13.61	13.85	13.84	607,689	618,251	597,888	1,823,828
EW-06	Black Creek Aquifer	7.82	7.92	7.91	349,094	353,338	341,704	1,044,136
EW-07	Black Creek Aquifer	0.04	0.15	0.00	1,775	6,689	0	8,465
EW-08	Black Creek Aquifer	2.48	4.26	4.45	110,581	189,974	192,227	492,782
EW-09	Black Creek Aquifer	0.00	0.22	0.30	0	9,706	13,038	22,744
EW-10	Black Creek Aquifer	0.06	1.07	1.48	2,563	47,909	63,886	114,358
EW-11	Black Creek Aquifer	1.47	2.37	2.47	65,474	105,991	106,773	278,239
EW-12	Black Creek Aquifer	1.46	1.48	1.48	65,094	66,195	64,035	195,324
EW-13	Black Creek Aquifer	0.43	0.76	0.70	19,333	34,115	30,419	83,866
EW-14	Black Creek Aquifer	0.69	4.28	4.45	30,867	191,057	192,222	414,146
EW-15	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
Average Northern Alignment EW		3.21	3.79	3.84	N/A	N/A	N/A	N/A
Barrier Wall (Southern Alignment)								
EW-16	Black Creek Aquifer	0.00	0.00	0.00	0	67	0	67
EW-17	Black Creek Aquifer	0.00	0.00	0.04	0	0	1,544	1,544
EW-18	Surficial Aquifer	0.66	0.77	0.82	29,628	34,572	35,368	99,567
EW-19	Black Creek Aquifer	0.40	2.01	2.47	18,058	89,790	106,848	214,696
EW-20	Surficial Aquifer	0.25	0.27	0.28	11,216	12,191	12,074	35,482
EW-21	Black Creek Aquifer	0.12	0.12	0.10	5,170	5,202	4,314	14,686
EW-22	Surficial Aquifer	6.79	6.92	6.92	303,245	309,087	299,018	911,350
EW-23	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
EW-24	Surficial Aquifer	2.96	2.97	2.96	132,157	132,467	127,932	392,556
EW-25	Black Creek Aquifer	1.36	1.33	1.45	60,898	59,475	62,470	182,843
EW-26	Surficial Aquifer	2.85	1.16	1.19	127,087	51,584	51,564	230,234
EW-27	Surficial Aquifer	4.93	4.95	4.94	220,217	220,845	213,550	654,612
EW-28	Black Creek Aquifer	0.73	0.73	0.73	32,434	32,598	31,597	96,629
EW-29	Surficial Aquifer	4.44	4.45	4.45	198,196	198,738	192,178	589,112
EW-30	Black Creek Aquifer	3.89	3.96	3.95	173,455	176,681	170,777	520,914
EW-31	Surficial Aquifer	7.89	7.91	7.91	352,308	353,258	341,675	1,047,241
EW-32	Black Creek Aquifer	1.71	2.72	3.35	76,154	121,533	144,666	342,352
EW-33	Surficial Aquifer	1.45	1.59	1.52	64,793	71,098	65,593	201,485
EW-34	Black Creek Aquifer	4.92	4.95	4.94	219,772	220,832	213,571	654,175
EW-35	Surficial Aquifer	0.00	0.00	0.00	0	0	0	0
EW-36	Black Creek Aquifer	7.89	7.91	7.91	352,340	353,296	341,644	1,047,279
EW-37	Surficial Aquifer	4.44	4.45	3.91	198,140	198,653	168,890	565,684
EW-38	Black Creek Aquifer	16.78	16.82	16.81	749,216	750,733	726,015	2,225,964
EW-39	Surficial Aquifer	1.39	2.03	2.28	62,182	90,773	98,455	251,410
EW-40	Black Creek Aquifer	19.75	19.79	19.77	881,498	883,279	854,200	2,618,977
EW-41	Black Creek Aquifer	3.95	3.96	3.94	176,493	176,554	169,998	523,044
EW-42	Black Creek Aquifer	3.86	3.96	3.95	172,187	176,557	170,523	519,266
EW-43	Black Creek Aquifer	4.82	4.95	4.94	215,349	220,846	213,293	649,487
EW-44	Surficial Aquifer	0.00	0.00	0.00	0	0	0	0
EW-45	Black Creek Aquifer	3.94	3.96	3.95	176,095	176,624	170,807	523,527

Table 4-3
Extraction Well Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Target Aquifer	Average Extraction Flow Rate (gpm)			Total Volume (gal)			
		July	August	September	July	August	September	Total Reporting Period
EW-46	Surficial Aquifer	0.00	0.00	0.00	0	0	0	0
EW-47	Black Creek Aquifer	3.92	3.96	3.95	174,786	176,646	170,851	522,283
EW-48	Surficial Aquifer	0.99	1.25	1.29	44,133	55,676	55,589	155,399
EW-49	Black Creek Aquifer	5.92	5.93	5.92	264,176	264,929	255,749	784,854
EW-50	Surficial Aquifer	1.86	1.98	1.98	82,916	88,252	85,330	256,498
EW-51	Black Creek Aquifer	3.94	3.96	3.95	176,104	176,632	170,811	523,547
EW-52	Black Creek Aquifer	5.92	5.94	5.93	264,363	265,028	256,292	785,682
EW-53	Black Creek Aquifer	4.44	4.45	4.45	198,159	198,719	192,162	589,040
EW-54	Black Creek Aquifer	2.96	2.97	2.97	132,034	132,552	128,165	392,751
EW-55	Black Creek Aquifer	3.39	3.46	3.45	151,319	154,471	149,249	455,039
EW-56	Black Creek Aquifer	5.91	5.94	5.93	263,628	264,986	256,276	784,889
EW-57	Black Creek Aquifer	0.00	0.00	0.06	0	3	2,641	2,645
EW-58	Black Creek Aquifer	1.60	1.81	1.80	71,463	80,982	77,731	230,176
EW-60	Black Creek Aquifer	0.06	0.04	0.02	2,650	1,595	963	5,208
EW-61	Black Creek Aquifer	2.04	2.30	2.26	91,283	102,677	97,447	291,406
EW-62	Black Creek Aquifer	0.44	0.71	0.91	19,751	31,704	39,223	90,678
EW-63	Black Creek Aquifer	10.51	10.88	10.85	469,375	485,855	468,877	1,424,108
EW-64	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
EW-65	Black Creek Aquifer	1.27	1.39	1.57	56,614	61,890	68,001	186,505
EW-66	Black Creek Aquifer	11.74	11.84	11.87	524,279	528,599	512,613	1,565,491
EW-67	Black Creek Aquifer	31.32	31.65	31.64	1,398,175	1,412,839	1,366,778	4,177,792
EW-68	Black Creek Aquifer	27.41	27.69	27.68	1,223,404	1,236,200	1,195,807	3,655,410
EW-69	Black Creek Aquifer	27.40	27.70	27.68	1,223,225	1,236,674	1,195,847	3,655,746
Average Southern Alignment EW		5.00	5.10	5.13	N/A	N/A	N/A	N/A

Notes:
1 - Each well's flowmeter records flow rate every 15 minutes, including instances of no flow for pumps that are cycling as opposed to operating continuously. The calculated monthly average accounts for these instances of no flow. The values above are therefore not necessarily representative of the target flow rate setpoint for each well.
gpm - gallons per minute
gal - gallons
N/A - not applicable

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Daily Volume Influent (gallons)	Cumulative Volume Influent (gallons)	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
Prior Total	292,217,541		N/A	292,522,566	
7/1/2024	549,894	292,767,435	369	531,235	293,053,801
7/2/2024	545,259	293,312,694	371	533,838	293,587,639
7/3/2024	543,943	293,856,637	376	541,039	294,128,678
7/4/2024	538,497	294,395,134	353	507,954	294,636,632
7/5/2024	539,008	294,934,142	349	502,691	295,139,323
7/6/2024	527,450	295,461,592	386	555,809	295,695,132
7/7/2024	518,653	295,980,245	354	510,065	296,205,197
7/8/2024	501,609	296,481,854	344	495,695	296,700,892
7/9/2024	501,671	296,983,525	343	494,488	297,195,380
7/10/2024	472,912	297,456,437	321	461,959	297,657,339
7/11/2024	488,073	297,944,510	336	483,761	298,141,100
7/12/2024	486,537	298,431,047	326	470,127	298,611,227
7/13/2024	521,766	298,952,813	357	514,018	299,125,245
7/14/2024	491,761	299,444,574	340	489,310	299,614,555
7/15/2024	499,285	299,943,859	342	492,503	300,107,058
7/16/2024	523,633	300,467,492	361	520,553	300,627,611
7/17/2024	471,292	300,938,784	321	462,913	301,090,524
7/18/2024	467,602	301,406,386	321	461,841	301,552,365
7/19/2024	521,932	301,928,318	365	525,089	302,077,454
7/20/2024	527,933	302,456,251	360	518,861	302,596,315
7/21/2024	548,796	303,005,047	377	542,653	303,138,968
7/22/2024	524,597	303,529,644	356	512,742	303,651,710
7/23/2024	507,180	304,036,824	339	487,488	304,139,198
7/24/2024	501,111	304,537,935	352	506,954	304,646,152
7/25/2024	576,465	305,114,400	397	572,397	305,218,549
7/26/2024	606,397	305,720,797	414	595,468	305,814,017
7/27/2024	620,703	306,341,500	427	615,304	306,429,321
7/28/2024	616,297	306,957,797	424	610,166	307,039,487
7/29/2024	614,312	307,572,109	422	607,763	307,647,250
7/30/2024	607,921	308,180,030	416	599,431	308,246,681
7/31/2024	612,244	308,792,274	416	598,971	308,845,652
July Total	16,574,733		N/A	16,323,086	

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Daily Volume Influent (gallons)	Cumulative Volume Influent (gallons)	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
8/1/2024	609,596	309,401,870	414	596,745	309,442,397
8/2/2024	608,575	310,010,445	426	612,770	310,055,167
8/3/2024	603,171	310,613,616	409	588,642	310,643,809
8/4/2024	564,967	311,178,583	385	554,933	311,198,742
8/5/2024	558,976	311,737,559	390	561,545	311,760,287
8/6/2024	581,692	312,319,251	394	568,023	312,328,310
8/7/2024	587,775	312,907,026	400	576,363	312,904,673
8/8/2024	664,701	313,571,727	458	658,852	313,563,525
8/9/2024	755,813	314,327,540	522	751,923	314,315,448
8/10/2024	756,724	315,084,264	519	747,698	315,063,146
8/11/2024	795,454	315,879,718	531	764,818	315,827,964
8/12/2024	787,796	316,667,514	528	760,452	316,588,416
8/13/2024	779,648	317,447,162	521	750,904	317,339,320
8/14/2024	794,270	318,241,432	528	760,703	318,100,023
8/15/2024	759,897	319,001,329	512	737,548	318,837,571
8/16/2024	681,064	319,682,393	455	655,294	319,492,865
8/17/2024	654,108	320,336,501	434	624,850	320,117,715
8/18/2024	658,545	320,995,046	441	634,891	320,752,606
8/19/2024	647,121	321,642,167	434	624,696	321,377,302
8/20/2024	527,098	322,169,265	353	508,401	321,885,703
8/21/2024	655,933	322,825,198	435	626,496	322,512,199
8/22/2024	671,241	323,496,439	433	624,075	323,136,274
8/23/2024	645,018	324,141,457	430	618,595	323,754,869
8/24/2024	673,094	324,814,551	449	646,199	324,401,068
8/25/2024	639,065	325,453,616	435	626,295	325,027,363
8/26/2024	671,407	326,125,023	439	632,396	325,659,759
8/27/2024	640,170	326,765,193	427	614,481	326,274,240
8/28/2024	644,749	327,409,942	426	613,534	326,887,774
8/29/2024	669,286	328,079,228	449	647,026	327,534,800
8/30/2024	642,896	328,722,124	434	624,596	328,159,396
8/31/2024	662,855	329,384,979	432	622,740	328,782,136
August Total	20,592,705		N/A	19,936,484	

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Daily Volume Influent (gallons)	Cumulative Volume Influent (gallons)	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
9/1/2024	651,596	330,036,575	435	625,955	329,408,091
9/2/2024	638,348	330,674,923	427	615,141	330,023,232
9/3/2024	667,087	331,342,010	443	637,256	330,660,488
9/4/2024	648,518	331,990,528	444	639,191	331,299,679
9/5/2024	652,538	332,643,066	434	625,478	331,925,157
9/6/2024	670,996	333,314,062	445	640,488	332,565,645
9/7/2024	651,285	333,965,347	437	629,204	333,194,849
9/8/2024	675,442	334,640,789	447	643,779	333,838,628
9/9/2024	649,292	335,290,081	434	625,069	334,463,697
9/10/2024	674,054	335,964,135	446	641,700	335,105,397
9/11/2024	572,580	336,536,715	382	550,659	335,656,056
9/12/2024	583,278	337,119,993	388	558,490	336,214,546
9/13/2024	553,788	337,673,781	368	530,016	336,744,562
9/14/2024	565,756	338,239,537	378	543,981	337,288,543
9/15/2024	570,084	338,809,621	379	545,737	337,834,280
9/16/2024	563,800	339,373,421	372	535,814	338,370,094
9/17/2024	653,174	340,026,595	435	627,104	338,997,198
9/18/2024	663,696	340,690,291	447	643,472	339,640,670
9/19/2024	677,219	341,367,510	455	655,731	340,296,401
9/20/2024	627,293	341,994,803	417	600,094	340,896,495
9/21/2024	644,180	342,638,983	429	617,057	341,513,552
9/22/2024	657,758	343,296,741	437	628,729	342,142,281
9/23/2024	650,619	343,947,360	433	622,939	342,765,220
9/24/2024	648,445	344,595,805	433	623,798	343,389,018
9/25/2024	644,086	345,239,891	432	621,988	344,011,006
9/26/2024	671,071	345,910,962	446	642,774	344,653,780
9/27/2024	675,367	346,586,329	452	650,258	345,304,038
9/28/2024	654,348	347,240,677	434	625,614	345,929,652
9/29/2024	664,588	347,905,265	436	627,430	346,557,082
9/30/2024	657,140	348,562,405	434	625,184	347,182,266
September Total	19,177,426		N/A	18,400,130	
Reporting Period Total	56,344,864		N/A	54,659,700	

Notes:

1 - The 004 groundwater treatment plant (GWTP) operational data is collected and managed by Veolia.

2 - The monthly and reporting period totals are not applicable (N/A) for flow rate values.

3 - The daily influent volume and volume treated and discharged is recorded on a 24-hour basis, ending daily at 2 pm. For simplicity, the volume totaled through 2 pm is shown as the daily total in this table.

4 - Differences in daily and cumulative volumes between influent and discharged are attributable to the measurement resolution of the flow meters at the influent and effluent locations.

gpm - gallons per minute

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-0724** Sample Date: 2-Jul-24	**004 Effluent** **004-EFF-0724** Sample Date: 2-Jul-24	**004 Influent** **004-INF-0724-2** Sample Date: 8-Jul-24	**004 Effluent** **004-EFF-0724-2** Sample Date: 8-Jul-24	**004 Influent** **004-INF-0724-3** Sample Date: 15-Jul-24	**004 Effluent** **004-EFF-0724-3** Sample Date: 15-Jul-24	**004 Influent** **004-INF-0724-4** Sample Date: 22-Jul-24	**004 Effluent** **004-EFF-0724-4** Sample Date: 22-Jul-24	**004 Influent** **004-INF-0724-5** Sample Date: 29-Jul-24	**004 Effluent** **004-EFF-0724-5** Sample Date: 29-Jul-24
Hfpo Dimer Acid	**13,000**	<2.0	**13,000**	<2.0	**13,000**	<2.0	**11,000**	<2.0	**12,000**	<2.0
PFMOAA	**75,000**	<2.0	**83,000**	<2.0	**72,000**	<2.0	**55,000**	<2.0	**48,000**	<2.0
PFO2HxA	--	--	**30,000**	<2.0	--	--	--	--	--	--
PFO3OA	--	--	**7,700**	<2.0	--	--	--	--	--	--
PFO4DA	--	--	**1,900**	<2.0	--	--	--	--	--	--
PFO5DA	--	--	**210**	<2.0	--	--	--	--	--	--
PMPA	**11,000**	<10	**11,000**	<10	**11,000**	<10	**9,100**	<10	**9,800**	<10
PEPA	--	--	**2,900**	<10	--	--	--	--	--	--
PS Acid	--	--	**730**	<2.0	--	--	--	--	--	--
Hydro-PS Acid	--	--	**560**	<2.0	--	--	--	--	--	--
R-PSDA	--	--	**1,600 J**	<2.0	--	--	--	--	--	--
Hydrolyzed PSDA	--	--	**19,000 J**	<2.0	--	--	--	--	--	--
R-PSDCA	--	--	<50	<2.0	--	--	--	--	--	--
NVHOS, Acid Form	--	--	**1,100**	<2.0	--	--	--	--	--	--
EVE Acid	--	--	**66**	<2.0	--	--	--	--	--	--
Hydro-EVE Acid	--	--	**810**	<2.0	--	--	--	--	--	--
R-EVE	--	--	**700 J**	<2.0	--	--	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	<50	<2.0	--	--	--	--	--	--
PFECA B	--	--	<50	<2.0	--	--	--	--	--	--
PFECA-G	--	--	<50	<2.0	--	--	--	--	--	--
Total Table 3+ (17 compounds)[1,2,3]	--	--	**150,000**	**ND**	--	--	--	--	--	--

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Total Table 3+ (17 Compounds) is not applicable for the weekly sampling for only PFAS indicator compounds (HFPO-DA, PFMOAA, and PMPA).
4 - Influent and effluent concentrations are reported in ng/L.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.
ND - No Table 3+ compounds were detected above their associated reporting limits.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-0824** Sample Date: 5-Aug-24	**004 Effluent** **004-EFF-0824** Sample Date: 5-Aug-24	**004 Influent** **004-INF-0824-2** Sample Date: 12-Aug-24	**004 Effluent** **004-EFF-0824-2** Sample Date: 12-Aug-24	**004 Influent** **004-INF-824-3** Sample Date: 19-Aug-24	**004 Effluent** **004-EFF-0824-3** Sample Date: 19-Aug-24	**004 Influent** **004-INF-0824-4** Sample Date: 26-Aug-24	**004 Effluent** **004-EFF-0824-4** Sample Date: 26-Aug-24
Hfpo Dimer Acid	**13,000**	<2.0	**13,000**	<2.0	**14,000**	<2.0	**15,000**	<2.0
PFMOAA	**65,000**	<2.0	**46,000**	<2.0	**52,000**	<2.0	**53,000 J**	<2.0 UJ
PFO2HxA	--	--	**20,000**	<2.0	--	--	--	--
PFO3OA	--	--	**5,400**	<2.0	--	--	--	--
PFO4DA	--	--	**1,700**	<2.0	--	--	--	--
PFO5DA	--	--	**560**	<2.0	--	--	--	--
PMPA	**11,000**	<10	**9,000**	<10	**9,600**	<10	**10,000**	<10
PEPA	--	--	**3,400**	<10	--	--	--	--
PS Acid	--	--	**620**	<2.0	--	--	--	--
Hydro-PS Acid	--	--	**570**	<2.0	--	--	--	--
R-PSDA	--	--	**1,500 J**	<2.0	--	--	--	--
Hydrolyzed PSDA	--	--	**13,000 J**	<2.0	--	--	--	--
R-PSDCA	--	--	<50	<2.0	--	--	--	--
NVHOS, Acid Form	--	--	**930**	<2.0	--	--	--	--
EVE Acid	--	--	**270**	<2.0	--	--	--	--
Hydro-EVE Acid	--	--	**470**	<2.0	--	--	--	--
R-EVE	--	--	**660 J**	<2.0	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	<50	<2.0	--	--	--	--
PFECA B	--	--	<50	<2.0	--	--	--	--
PFECA-G	--	--	<50	<2.0	--	--	--	--
Total Table 3+ (17 compounds)[1,2,3]	--	--	**100,000**	**ND**	--	--	--	--

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Total Table 3+ (17 Compounds) is not applicable for the weekly sampling for only PFAS indicator compounds (HFPO-DA, PFMOAA, and PMPA).
4 - Influent and effluent concentrations are reported in ng/L.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.
ND - No Table 3+ compounds were detected above their associated reporting limits.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-0924** Sample Date: 3-Sep-24	**004 Effluent** **004-EFF-0924** Sample Date: 3-Sep-24	**004 Influent** **004-INF-0924-2** Sample Date: 9-Sep-24	**004 Effluent** **004-EFF-0924-2** Sample Date: 9-Sep-24	**004 Influent** **004-INF-0924-3** Sample Date: 16-Sep-24	**004 Effluent** **004-EFF-0924-3** Sample Date: 16-Sep-24	**004 Influent** **004-INF-0924-4** Sample Date: 23-Sep-24	**004 Effluent** **004-EFF-0924-4** Sample Date: 23-Sep-24
Hfpo Dimer Acid	**17,000**	<2.0	**18,000**	<2.0	**15,000**	<2.0	**15,000**	<2.0
PFMOAA	**52,000**	<2.0	**57,000**	<2.0	**57,000**	<2.0 UJ	**47,000**	<2.0 UJ
PFO2HxA	--	--	**22,000**	<2.0	--	--	--	--
PFO3OA	--	--	**6,100**	<2.0	--	--	--	--
PFO4DA	--	--	**1,500**	<2.0	--	--	--	--
PFO5DA	--	--	**410**	<2.0	--	--	--	--
PMPA	**12,000**	<10	**13,000**	<10	**11,000**	<10	**11,000**	<10
PEPA	--	--	**5,000**	<10	--	--	--	--
PS Acid	--	--	**1,100**	<2.0	--	--	--	--
Hydro-PS Acid	--	--	**640**	<2.0	--	--	--	--
R-PSDA	--	--	**2,500 J**	<2.0	--	--	--	--
Hydrolyzed PSDA	--	--	**25,000 J**	<2.0	--	--	--	--
R-PSDCA	--	--	<50	<2.0	--	--	--	--
NVHOS, Acid Form	--	--	**1,100**	<2.0	--	--	--	--
EVE Acid	--	--	**650**	<2.0	--	--	--	--
Hydro-EVE Acid	--	--	**1,000**	<2.0	--	--	--	--
R-EVE	--	--	**1,200 J**	<2.0	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	<50	<2.0	--	--	--	--
PFECA B	--	--	<50	<2.0	--	--	--	--
PFECA-G	--	--	<50	<2.0	--	--	--	--
Total Table 3+ (17 compounds)[1,2,3]	--	--	**130,000**	**ND**	--	--	--	--

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Total Table 3+ (17 Compounds) is not applicable for the weekly sampling for only PFAS indicator compounds (HFPO-DA, PFMOAA, and PMPA).
4 - Influent and effluent concentrations are reported in ng/L.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.
ND - No Table 3+ compounds were detected above their associated reporting limits.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST [1,2] ***(ng/L)***	**004 Influent** **004-INF-0824-2** Sample Date: 12-Aug-24	**004 Effluent** **004-EFF-0824-2** Sample Date: 12-Aug-24
10:2 Fluorotelomer sulfonate	<84	<2.0
11Cl-PF3OUdS	<40	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<58	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<30	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<4.0
6:2 Fluorotelomer sulfonate	<310	<5.0
9Cl-PF3ONS	<30	<2.0
DONA	<50	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<5.0
N-ethylperfluoro-1-octanesulfonamide	<110	<2.0
N-methyl perfluoro-1-octanesulfonamide	<54	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<150	<5.0
Perfluorobutane Sulfonic Acid	<25	<2.0
Perfluorobutanoic Acid	<300	<5.0
Perfluorodecane Sulfonic Acid	<40	<2.0
Perfluorodecanoic Acid	<39	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<2.0
Perfluorododecanoic Acid	<69	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<24	<2.0
Perfluoroheptanoic Acid	**67**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<110	<2.0
Perfluorohexane Sulfonic Acid	<71	<2.0
Perfluorohexanoic Acid	<73	<2.0
Perfluorononanesulfonic Acid	<46	<2.0
Perfluorononanoic Acid	<34	<2.0
Perfluorooctadecanoic Acid	<120	<2.0
Perfluorooctane Sulfonamide	<120	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<38	<2.0
Perfluoropentanoic Acid	**460**	<2.0
Perfluorotetradecanoic Acid	<91	<2.0
Perfluorotridecanoic Acid	<160	<2.0
Perfluoroundecanoic Acid	<140	<2.0
PFOA	<110	<2.0
PFOS	<68	<2.0

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds.
2 - Sample analysis under EPA Method 537 MOD SOP is required one time per quarter.
3 - Influent and effluent concentrations are reported in ng/L.
Bold - Analyte detected above associated reporting limit.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)* *Aug 2 (0.00)* *Aug 3 (0.00)*	*Aug 14 (0.41)* *Aug 15 (0.09)* *Aug 16 (0.00)*	*Jan 27 (0.00)* *Jan 28 (0.00)* *Jan 29 (0.08)*	*Feb 25 (0.07)* *Feb 26 (0.00)* *Feb 27 (0.00)*	*Mar 26 (0.45)* *Mar 27 (0.63)* *Mar 28 (0.28)*	*April 17 (0.00)* *Apr 18 (0.00)* *Apr 19 (0.00)*	*May 20 (0.00)* *May 21 (0.00)* *May 22 (0.00)*	*Jun 18 (0.00)* *Jun 19 (0.16)* *Jun 20 (1.11)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Mid-Commissioning**	**Post-Startup**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**February 28, 2023**	**March 29, 2023**	**April 20, 2023**	**May 23, 2023**	**June 21, 2023**
Willis Creek Observation Wells (Northern Alignment): 18 Wells									
OW-11	Black Creek Aquifer	49.63	49.57	49.02	48.39	46.58	46.62	48.25	46.16
OW-12	Black Creek Aquifer	34.08	34.08	34.81	31.61	29.71	30.26	29.32	29.15
OW-13	Black Creek Aquifer	34.10	34.05	34.42	33.63	32.32	33.61	32.02	31.43
OW-14	Black Creek Aquifer	33.62	33.47	34.67	34.09	33.11	36.60	32.97	32.08
OW-41	Black Creek Aquifer	49.13	49.12	48.33	47.66	46.46	46.51	46.11	45.97
OW-42	Black Creek Aquifer	47.89	47.86	47.42	46.81	45.90	45.94	45.52	45.47
OW-43	Black Creek Aquifer	34.49	34.42	34.62	33.64	32.04	33.09	31.76	31.20
OW-54	Black Creek Aquifer	Well Installed January 24, 2023		35.87	35.00	33.45	35.90	36.19	Dry
OW-55	Black Creek Aquifer	Well Installed January 18, 2023		34.77	32.06	28.43	29.75	28.30	28.07
OW-56	Black Creek Aquifer	Well Installed January 24, 2023		36.92	36.50	36.63	37.17	35.99	36.18
OW-57	Black Creek Aquifer	Well Installed January 17, 2023		45.75	45.24	44.58	44.62	44.27	44.22
PIW-1D	Black Creek Aquifer	32.59	32.47	33.95	33.15	32.25	35.09	31.96	31.25
PIW-11	Black Creek Aquifer	43.28	43.24	43.89	43.62	43.14	43.65	42.87	42.61
PIW-12	Black Creek Aquifer	33.74	33.69	34.39	31.90	26.64	28.38	26.68	26.43
PIW-13	Black Creek Aquifer	33.66	33.60	34.20	30.68	24.95	28.16	25.74	25.00
PIW-14	Black Creek Aquifer	34.05	34.00	34.44	32.47	29.90	31.36	29.80	29.20
PIW-15	Black Creek Aquifer	32.74	32.65	33.54	32.88	32.00	33.87	31.69	31.10
SMW-12	Black Creek Aquifer	33.03	33.03	33.52	31.19	29.17	30.17	28.82	28.23
Median (Black Creek Aquifer wells)		34.07	34.03	34.72	33.64	32.29	34.48	31.99	31.25
Observation Wells ≤200 ft Upgradient of Barrier Wall: 19 Wells									
OW-02	Black Creek Aquifer	48.82	48.72	48.79	44.34	39.18	42.55	34.58	32.97
OW-03	Black Creek Aquifer	49.52	49.44	49.60	44.06	38.43	42.24	34.14	32.57
OW-07	Black Creek Aquifer	44.87	44.75	45.36	41.10	37.61	35.00	29.91	27.90
OW-08	Black Creek Aquifer	44.12	43.98	44.60	40.37	36.86	34.14	29.09	27.05
OW-15	Black Creek Aquifer	Well Installed September 22, 2022		56.91	56.50	57.53	57.66	57.21	57.16
OW-17	Black Creek Aquifer	44.87	44.82	43.53	39.81	34.88	32.77	32.96	32.87
OW-18	Black Creek Aquifer	47.17	47.37	48.61	48.79	47.95	46.93	46.58	46.44
OW-19	Black Creek Aquifer	46.36	46.23	46.68	41.42	37.73	38.50	30.38	28.05
OW-21	Black Creek Aquifer	45.13	45.00	45.51	41.70	37.87	35.40	30.65	28.15
OW-24	Black Creek Aquifer	43.17	43.15	43.73	38.94	36.23	34.77	30.02	28.27
OW-26	Black Creek Aquifer	55.22	55.16	54.84	53.79	45.67	44.05	42.50	40.15
OW-29	Black Creek Aquifer	59.58	59.54	59.14	58.57	51.34	49.72	47.54	45.62
OW-31	Black Creek Aquifer	60.44	60.41	60.07	59.43	47.00	50.58	42.85	41.55
OW-34	Surficial Aquifer	62.98	62.81	62.03	64.53	66.36	67.30	67.50	67.41
OW-35	Surficial Aquifer	66.33	66.10	65.67	65.71	65.45	68.18	68.35	68.35
OW-36	Surficial Aquifer	62.72	62.61	62.07	61.85	61.64	61.48	61.51	61.52
OW-37	Surficial Aquifer	Well Installed June 21, 2023							
OW-38	Black Creek Aquifer	Well Installed September 22, 2022		61.93	61.94	61.64	61.60	61.45	61.40
OW-51	Black Creek Aquifer	Well Installed June 20, 2023							
Median (Black Creek Aquifer wells)		46.77	46.80	48.70	44.20	38.81	42.40	34.36	32.92
Median (Surficial Aquifer wells)		62.98	62.81	62.07	64.53	65.45	67.30	67.50	67.41

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Jul 17 (0.00)*	*Aug. 15 (0.09)*	*Sep. 18 (0.00)*	*Oct. 27 (0.00)*	*Nov. 25 (0.00)*	*Dec. 17 (3.34)*	*Jan. 28 (0.02)*	*Feb. 24 (0.01)*
		Jul 18 (0.00)	*Aug. 16 (0.00)*	*Sept. 19 (0.00)*	*Oct 28. (0.00)*	*Nov. 26 (0.06)*	*Dec. 18 (0.04)*	*Jan. 29 (0.00)*	*Feb. 25 (0.00)*
		Jul 19 (0.00)	*Aug. 17 (0.00)*	*Sept. 20 (0.00)*	*Oct. 29 (0.00)*	*Nov. 27 (0.03)*	*Dec. 19 (0.00)*	*Jan. 30 (0.00)*	*Feb. 26 (0.01)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		July 20, 2023	**August 18, 2023**	**September 21, 2023**	**October 30, 2023**	**November 28, 2023**	**December 20, 2023**	**January 31, 2024**	**February 27, 2024**
Willis Creek Observation Wells (Northern Alignment): 18 Wells									
OW-11	Black Creek Aquifer	45.98	45.89	45.82	45.80	45.63	46.82	45.92	45.72
OW-12	Black Creek Aquifer	29.08	28.95	29.39	29.10	29.19	31.32	30.65	29.17
OW-13	Black Creek Aquifer	31.50	31.20	31.54	31.32	31.04	32.25	32.92	31.98
OW-14	Black Creek Aquifer	32.76	32.05	32.22	31.59	31.36	32.42	34.77	33.07
OW-41	Black Creek Aquifer	45.78	45.69	45.64	45.66	45.45	45.59	45.79	45.57
OW-42	Black Creek Aquifer	45.27	45.15	45.16	45.12	44.95	45.17	45.25	45.03
OW-43	Black Creek Aquifer	31.13	31.14	31.49	31.55	31.44	31.69	32.69	32.04
OW-54	Black Creek Aquifer	Dry	Dry	Dry	Dry	Dry	Dry	35.87	33.37
OW-55	Black Creek Aquifer	27.97	27.80	28.60	28.05	28.20	28.12	29.65	28.44
OW-56	Black Creek Aquifer	35.89	35.74	36.01	35.89	36.09	Not Gauged	36.99	35.99
OW-57	Black Creek Aquifer	44.07	43.92	43.95	43.92	43.78	44.12	44.04	43.87
PIW-1D	Black Creek Aquifer	32.06	31.27	31.51	30.96	30.75	32.07	34.31	32.18
PIW-11	Black Creek Aquifer	43.10	42.70	42.96	42.57	42.61	43.34	43.40	43.44
PIW-12	Black Creek Aquifer	26.36	26.17	27.27	26.54	26.73	28.96	28.20	27.05
PIW-13	Black Creek Aquifer	25.21	25.38	26.70	26.48	26.70	27.26	28.70	27.68
PIW-14	Black Creek Aquifer	28.98	29.45	30.02	29.98	29.93	30.10	30.99	30.07
PIW-15	Black Creek Aquifer	31.50	31.01	31.29	30.85	30.59	32.85	33.55	31.80
SMW-12	Black Creek Aquifer	27.97	Not Gauged	Not Gauged	28.42	28.64	28.70	28.78	29.10
Median (Black Creek Aquifer wells)		31.50	31.24	31.53	31.32	31.04	32.16	33.93	32.11
Observation Wells <200 ft Upgradient of Barrier Wall: 19 Wells									
OW-02	Black Creek Aquifer	32.29	33.10	33.95	34.55	34.62	34.25	34.92	35.07
OW-03	Black Creek Aquifer	32.56	32.79	33.62	34.29	34.34	33.94	34.69	34.79
OW-07	Black Creek Aquifer	25.40	25.73	28.39	29.50	29.80	29.90	31.00	31.25
OW-08	Black Creek Aquifer	25.50	24.85	27.61	28.75	29.06	29.14	30.25	30.40
OW-15	Black Creek Aquifer	57.14	57.23	57.21	57.31	57.28	57.06	57.13	57.73
OW-17	Black Creek Aquifer	32.90	32.87	32.90	33.17	32.82	32.72	33.22	32.96
OW-18	Black Creek Aquifer	46.42	46.44	46.56	46.43	46.25	46.71	46.33	46.12
OW-19	Black Creek Aquifer	26.48	25.83	28.36	29.53	29.78	29.67	30.57	30.73
OW-21	Black Creek Aquifer	26.50	25.75	28.68	30.08	30.43	30.51	31.45	31.57
OW-24	Black Creek Aquifer	26.97	26.15	27.54	28.27	28.43	28.54	29.63	29.77
OW-26	Black Creek Aquifer	39.08	40.15	41.05	42.33	42.07	41.99	41.98	42.00
OW-29	Black Creek Aquifer	44.64	43.90	43.68	44.69	44.43	44.27	44.44	44.55
OW-31	Black Creek Aquifer	40.60	39.98	40.08	40.55	40.02	39.79	40.02	41.05
OW-34	Surficial Aquifer	67.45	67.36	67.57	67.82	67.64	67.53	67.71	67.61
OW-35	Surficial Aquifer	68.73	68.55	68.58	68.40	68.32	68.34	68.64	68.65
OW-36	Surficial Aquifer	61.51	61.71	61.66	62.01	61.91	62.01	62.29	62.31
OW-37	Surficial Aquifer	57.38	57.27	57.30	57.02	56.61	56.79	56.42	56.24
OW-38	Black Creek Aquifer	61.22	61.28	61.45	61.82	61.89	61.90	62.38	62.72
OW-51	Black Creek Aquifer	26.21	25.17	26.36	27.14	27.45	27.61	28.52	28.77
Median (Black Creek Aquifer wells)		32.56	32.87	33.62	34.29	34.34	33.94	34.69	34.79
Median (Surficial Aquifer wells)		64.48	64.54	64.62	64.92	64.78	64.77	65.00	64.96

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Mar. 24 (0.00)* *Mar. 25 (0.00)* *Mar. 26 (0.00)*	*Apr. 26 (0.00)* *Apr.27 (0.00)* *Apr. 28 (0.00)*	*May 20 (0.00)* *May 21 (0.00)* *May 22 (0.00)*	*Jun. 23 (0.00)* *Jun.24 (0.00)* *Jun. 25 (0.00)*	*Jul. 28 (0.00)* *Jul. 29 (0.40)* *Jul. 30 (0.00)*	*Aug. 26 (0.00)* *Aug. 27 (0.00)* *Aug. 28 (0.00)*	*Sept. 21 (0.00)* *Sept. 22 (0.00)* *Sept. 23 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**								
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		March 27, 2024	**April 29, 2024**	**May 23, 2024**	**June 26, 2024**	**July 31, 2024**	**August 29, 2024**	**September 24, 2024**	**September 24, 2024 vs. January 30, 2023**	**September 24 vs August 29, 2024**
Willis Creek Observation Wells (Northern Alignment): 18 Wells										
OW-11	Black Creek Aquifer	45.72	45.62	45.47	45.32	45.62	46.21	46.51	2.51	0.30
OW-12	Black Creek Aquifer	28.94	28.70	28.78	28.33	28.92	30.35	31.05	3.76	0.70
OW-13	Black Creek Aquifer	31.77	31.52	31.52	30.50	30.89	32.99	33.62	0.80	0.63
OW-14	Black Creek Aquifer	33.10	32.62	33.27	32.08	32.67	34.87	35.47	-0.80	0.60
OW-41	Black Creek Aquifer	45.57	45.48	45.32	45.18	45.38	46.51	46.26	2.07	0.25
OW-42	Black Creek Aquifer	45.02	44.92	44.75	44.62	44.69	45.25	45.42	2.00	0.17
OW-43	Black Creek Aquifer	31.95	31.85	31.77	31.21	31.19	33.62	33.92	0.70	0.30
OW-54	Black Creek Aquifer	33.21	Dry	Dry	Dry	33.15	33.35	33.12	2.75	0.23
OW-55	Black Creek Aquifer	28.16	27.95	28.04	27.39	27.85	29.71	30.45	4.32	0.74
OW-56	Black Creek Aquifer	36.46	36.17	35.92	36.60	Flooded	37.09	37.69	-0.77	0.60
OW-57	Black Creek Aquifer	43.87	43.79	43.65	43.57	43.68	44.25	44.45	1.30	0.20
PIW-1D	Black Creek Aquifer	32.25	31.58	32.46	30.99	31.89	33.96	35.08	-1.13	1.12
PIW-11	Black Creek Aquifer	43.72	43.24	43.17	43.42	43.69	43.92	44.07	-0.18	0.15
PIW-12	Black Creek Aquifer	26.73	26.51	26.63	25.83	26.31	28.55	29.25	5.14	0.70
PIW-13	Black Creek Aquifer	27.28	27.07	27.18	25.86	25.97	29.63	30.50	3.70	0.87
PIW-14	Black Creek Aquifer	29.94	29.89	29.75	29.11	29.22	31.65	32.28	2.16	0.63
PIW-15	Black Creek Aquifer	31.68	31.20	31.85	30.50	31.17	33.07	33.86	-0.32	0.79
SMW-12	Black Creek Aquifer	28.87	28.86	28.74	28.09	27.99	29.22	28.55	4.97	0.67
Median (Black Creek Aquifer wells)		32.10	31.58	31.85	30.99	31.19	33.49	33.89	2.04	0.62
Observation Wells <200 ft Upgradient of Barrier Wall: 19 Wells										
OW-02	Black Creek Aquifer	35.07	34.44	34.44	34.42	34.35	33.95	31.49	17.30	2.46
OW-03	Black Creek Aquifer	34.84	34.31	34.31	34.33	34.34	33.99	33.64	15.96	0.35
OW-07	Black Creek Aquifer	31.55	32.02	32.10	32.39	32.70	32.80	32.90	12.46	0.10
OW-08	Black Creek Aquifer	30.80	31.27	31.34	31.65	31.97	32.07	32.17	12.43	0.10
OW-15	Black Creek Aquifer	57.91	57.91	57.84	57.71	57.71	58.06	58.06	-1.15	0.00
OW-17	Black Creek Aquifer	33.06	32.98	32.94	33.23	33.25	33.16	33.34	10.19	0.18
OW-18	Black Creek Aquifer	46.63	46.37	46.45	46.41	46.56	46.73	46.78	1.83	0.05
OW-19	Black Creek Aquifer	31.26	31.68	31.66	31.92	32.11	32.18	32.27	14.41	0.09
OW-21	Black Creek Aquifer	32.01	32.51	32.53	32.62	33.01	33.15	33.25	12.26	0.10
OW-24	Black Creek Aquifer	30.35	30.55	30.65	30.96	31.22	31.42	31.57	12.16	0.15
OW-26	Black Creek Aquifer	42.17	41.95	41.75	41.67	41.15	41.22	41.30	13.54	0.08
OW-29	Black Creek Aquifer	44.65	44.64	44.42	44.39	44.45	44.30	44.35	14.79	0.05
OW-31	Black Creek Aquifer	41.10	40.38	39.99	39.88	39.88	39.78	39.92	20.15	0.14
OW-34	Surficial Aquifer	67.70	67.70	67.68	67.56	67.57	67.76	67.84	-5.81	0.08
OW-35	Surficial Aquifer	68.75	68.82	68.77	68.65	68.63	69.65	69.57	-3.90	0.08
OW-36	Surficial Aquifer	62.24	62.51	62.71	62.72	62.07	63.51	63.76	-1.69	0.25
OW-37	Surficial Aquifer	56.46	56.24	56.32	56.22	56.45	57.04	57.10	N/A	0.06
OW-38	Black Creek Aquifer	62.80	63.10	63.20	63.22	63.22	63.65	64.02	-2.09	0.37
OW-51	Black Creek Aquifer	29.14	29.57	29.72	30.01	30.31	30.52	30.67	N/A	0.15
Median (Black Creek Aquifer wells)		34.84	34.31	34.31	34.33	34.34	33.95	33.34	12.45	0.12
Median (Surficial Aquifer wells)		64.97	65.11	65.20	65.14	64.82	65.64	65.80	-3.90	0.08

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)* *Aug 2 (0.00)* *Aug 3 (0.00)*	*Aug 14 (0.41)* *Aug 15 (0.09)* *Aug 16 (0.00)*	*Jan 27 (0.00)* *Jan 28 (0.00)* *Jan 29 (0.08)*	*Feb 25 (0.07)* *Feb 26 (0.00)* *Feb 27 (0.00)*	*Mar 26 (0.45)* *Mar 27 (0.63)* *Mar 28 (0.28)*	*April 17 (0.00)* *Apr 18 (0.00)* *Apr 19 (0.00)*	*May 20 (0.00)* *May 21 (0.00)* *May 22 (0.00)*	*Jun 18 (0.00)* *Jun 19 (0.16)* *Jun 20 (1.11)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Mid-Commissioning**	**Post-Startup**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**February 28, 2023**	**March 29, 2023**	**April 20, 2023**	**May 23, 2023**	**June 21, 2023**
Observation Wells ≤200 ft Downgradient of Barrier Wall: 21 Wells									
OW-04/04R	Black Creek Aquifer	59.45	59.42	Well Abandoned; Replacement Well Installed July 31, 2023					
OW-09/09R	Black Creek Aquifer	59.61	59.57	Well Abandoned; Replacement Well Installed August 1, 2023					
OW-20	Black Creek Aquifer	46.34	46.24	46.53	41.54	39.35	37.91	38.39	38.49
OW-22	Black Creek Aquifer	43.95	43.89	44.50	40.94	37.53	37.36	38.41	38.55
OW-23	Black Creek Aquifer	43.27	43.18	43.86	39.75	36.73	35.88	38.31	38.36
OW-25	Black Creek Aquifer	41.95	41.90	42.52	39.00	36.50	35.77	38.62	38.36
OW-32	Black Creek Aquifer	Well Installed August 2, 2023							
OW-39	Black Creek Aquifer	Well Installed August 1, 2023							
OW-44	Black Creek Aquifer	36.51	36.31	36.28	36.94	36.34	37.41	36.06	35.28
OW-45	Black Creek Aquifer	44.39	44.20	44.78	45.24	40.05	39.93	39.10	38.82
OW-46	Black Creek Aquifer	46.28	46.20	46.59	41.41	38.85	37.88	38.35	38.50
OW-47	Black Creek Aquifer	43.84	43.72	44.33	40.45	36.98	37.05	38.18	38.32
OW-48	Black Creek Aquifer	43.11	43.06	43.69	39.33	36.40	35.29	38.24	38.27
OW-49	Black Creek Aquifer	42.13	42.06	42.67	38.83	36.23	35.42	38.43	38.34
OW-50	Black Creek Aquifer	41.42	41.35	42.01	41.78	35.37	36.17	39.50	39.33
OW-52	Black Creek Aquifer	Well Installed August 2, 2023							
OW-53	Black Creek Aquifer	Well Installed October 11, 2023							
PIW-4D	Black Creek Aquifer	43.59	43.45	43.90	46.26	39.89	39.88	38.90	38.65
PIW-5S/5SR	Surficial Aquifer	59.70	59.52	58.82	56.31	Replaced on April 12, 2023	54.13	53.15	53.37
PW-10R/10RR	Black Creek Aquifer	47.78	47.62	47.99	42.18	Replaced on April 12, 2023	41.20	38.52	38.39
PIW-10DR	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
Median (Black Creek Aquifer wells)		43.84	43.72	43.90	40.94	36.86	37.36	38.41	38.39
Observation Wells >200 ft Downgradient of Barrier Wall: 14 Wells									
LTW-02	Black Creek Aquifer	42.97	42.80	43.50	45.36	40.01	39.97	38.94	38.71
LTW-03	Floodplain	38.05	37.93	39.27	38.48	36.95	37.85	36.70	36.40
LTW-05	Black Creek Aquifer	41.24	41.20	41.93	38.69	36.30	35.71	37.89	37.86
OW-16	Black Creek Aquifer	35.39	35.24	36.69	36.49	35.86	37.27	35.34	34.59
OW-27	Black Creek Aquifer	41.16	41.12	41.70	41.36	36.09	36.80	39.35	39.21
OW-28	Black Creek Aquifer	40.04	40.01	40.63	40.43	38.16	38.86	39.04	39.00
OW-30	Black Creek Aquifer	40.38	40.33	40.98	39.55	36.80	37.91	38.94	38.95
OW-33	Black Creek Aquifer	40.42	40.39	41.07	39.89	37.45	38.32	39.29	39.34
OW-40	Black Creek Aquifer	40.58	40.53	40.66	40.68	40.09	40.86	40.13	40.15
PIW-3D	Black Creek Aquifer	35.39	35.26	36.61	36.39	35.97	37.14	35.36	34.67
PIW-7S	Floodplain	42.28	42.16	43.03	39.55	36.56	35.79	37.74	37.80
PIW-7D	Black Creek Aquifer	43.18	43.10	43.78	39.98	36.96	36.36	38.38	38.45
PW-11	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
PZ-22	Black Creek Aquifer	43.24	43.15	43.81	40.36	37.28	36.89	38.21	38.37
Median (Black Creek Aquifer wells)		40.58	40.53	41.07	39.98	36.96	37.27	38.94	38.71

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Jul 17 (0.00)*	*Aug. 15 (0.09)*	*Sep. 18 (0.00)*	*Oct. 27 (0.00)*	*Nov. 25 (0.00)*	*Dec. 17 (3.34)*	*Jan. 28 (0.02)*	*Feb. 24 (0.01)*
		Jul 18 (0.00)	*Aug. 16 (0.00)*	*Sept. 19 (0.00)*	*Oct 28. (0.00)*	*Nov. 26 (0.06)*	*Dec. 18 (0.04)*	*Jan. 29 (0.00)*	*Feb. 25 (0.00)*
		Jul 19 (0.00)	*Aug. 17 (0.00)*	*Sept. 20 (0.00)*	*Oct. 29 (0.00)*	*Nov. 27 (0.03)*	*Dec. 19 (0.00)*	*Jan. 30 (0.00)*	*Feb. 26 (0.01)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		July 20, 2023	**August 18, 2023**	**September 21, 2023**	**October 30, 2023**	**November 28, 2023**	**December 20, 2023**	**January 31, 2024**	**February 27, 2024**
Observation Wells <200 ft Downgradient of Barrier Wall: 21 Wells									
OW-04/04R	Black Creek Aquifer	Replaced July 31, 2023	52.03	40.33	40.27	40.12	40.28	40.97	40.52
OW-09/09R	Black Creek Aquifer	Replaced August 1, 2023	40.33	40.33	40.27	40.12	40.28	40.95	40.53
OW-20	Black Creek Aquifer	39.03	38.44	38.57	38.04	37.75	38.23	39.54	39.31
OW-22	Black Creek Aquifer	39.08	38.58	38.63	38.12	37.83	38.23	39.61	39.35
OW-23	Black Creek Aquifer	38.80	38.28	38.33	37.83	37.64	38.19	39.38	39.06
OW-25	Black Creek Aquifer	38.36	37.89	37.99	37.61	37.54	38.47	39.06	38.61
OW-32	Black Creek Aquifer	Replaced August 2, 2023	38.45	38.75	39.03	38.49	38.27	38.49	38.50
OW-39	Black Creek Aquifer	Replaced August 1, 2023	40.36	40.42	40.32	40.20	40.35	40.89	40.57
OW-44	Black Creek Aquifer	35.38	34.63	34.18	33.79	33.58	33.69	36.23	36.02
OW-45	Black Creek Aquifer	39.78	38.50	38.85	38.07	38.01	39.10	40.20	40.01
OW-46	Black Creek Aquifer	39.03	38.42	38.55	37.95	37.75	38.22	39.53	39.33
OW-47	Black Creek Aquifer	38.87	38.32	38.38	37.87	37.58	37.99	39.39	39.12
OW-48	Black Creek Aquifer	38.64	38.13	38.17	37.74	37.55	38.12	39.26	38.89
OW-49	Black Creek Aquifer	38.36	37.88	37.99	37.61	37.54	38.43	39.04	38.61
OW-50	Black Creek Aquifer	39.48	39.00	39.13	38.75	38.60	39.20	40.53	39.73
OW-52	Black Creek Aquifer	Replaced August 2, 2023	38.01	38.06	37.56	37.26	37.69	39.05	38.79
OW-53	Black Creek Aquifer	Well Installed October 11, 2023			37.96	37.74	38.08	39.48	39.25
PIW-4D	Black Creek Aquifer	39.64	38.30	38.67	37.85	37.83	38.95	40.01	39.82
PIW-5S/5SR	Surficial Aquifer	53.54	53.25	53.30	Dry	Dry	Dry	Dry	Dry
PW-10R/10RR	Black Creek Aquifer	39.19	38.32	38.52	35.00	37.82	38.57	39.79	39.56
PIW-10DR	Black Creek Aquifer	Not Gauged (Interim Pumping)	41.50	41.31	41.05	40.62	40.45	41.53	40.89
Median (Black Creek Aquifer wells)		39.03	38.42	38.57	37.96	37.79	38.35	39.54	39.32
Observation Wells >200 ft Downgradient of Barrier Wall: 14 Wells									
LTW-02	Black Creek Aquifer	39.67	38.31	38.71	37.89	37.89	39.13	40.07	39.88
LTW-03	Floodplain	36.53	36.05	35.91	35.80	35.55	36.03	37.98	37.63
LTW-05	Black Creek Aquifer	38.02	37.46	37.57	37.22	37.14	38.39	38.76	38.26
OW-16	Black Creek Aquifer	34.94	34.17	33.79	33.41	33.06	33.68	36.32	35.50
OW-27	Black Creek Aquifer	39.32	38.85	38.94	38.62	38.49	39.05	40.32	39.60
OW-28	Black Creek Aquifer	38.99	38.99	38.69	38.32	38.26	39.08	39.99	39.29
OW-30	Black Creek Aquifer	39.17	Not Gauged	38.87	38.64	38.52	Not Gauged	40.15	39.32
OW-33	Black Creek Aquifer	39.44	Not Gauged	39.17	38.97	38.87	Not Gauged	40.42	39.64
OW-40	Black Creek Aquifer	40.23	Not Gauged	40.08	40.00	39.88	Not Gauged	40.87	40.30
PIW-3D	Black Creek Aquifer	35.07	34.32	33.97	33.53	33.25	33.95	36.45	35.62
PIW-7S	Floodplain	38.28	37.61	37.77	37.22	37.10	37.79	38.82	38.52
PIW-7D	Black Creek Aquifer	38.88	38.33	38.42	37.95	37.73	38.31	39.46	39.13
PW-11	Black Creek Aquifer	Not Gauged (Interim Pumping)		40.61	40.51	40.37	40.56	41.13	41.28
PZ-22	Black Creek Aquifer	38.85	38.33	38.43	37.85	37.65	38.12	39.40	39.11
Median (Black Creek Aquifer wells)		38.99	38.32	38.70	38.14	38.08	38.39	40.03	39.31

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Mar. 24 (0.00)* *Mar. 25 (0.00)* *Mar. 26 (0.00)*	*Apr. 26 (0.00)* *Apr.27 (0.00)* *Apr. 28 (0.00)*	*May 20 (0.00)* *May 21 (0.00)* *May 22 (0.00)*	*Jun. 23 (0.00)* *Jun.24 (0.00)* *Jun. 25 (0.00)*	*Jul. 28 (0.00)* *Jul. 29 (0.40)* *Jul. 30 (0.00)*	*Aug. 26 (0.00)* *Aug. 27 (0.00)* *Aug. 28 (0.00)*	*Sept. 21 (0.00)* *Sept. 22 (0.00)* *Sept. 23 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**								
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		March 27, 2024	**April 29, 2024**	**May 23, 2024**	**June 26, 2024**	**July 31, 2024**	**August 29, 2024**	**September 24, 2024**	**September 24, 2024 vs. January 30, 2023**	**September 24 vs August 29, 2024**
Observation Wells <200 ft Downgradient of Barrier Wall: 21 Wells										
OW-04/04R	Black Creek Aquifer	40.53	40.37	40.41	40.01	40.03	42.53	42.13	N/A	0.40
OW-09/09R	Black Creek Aquifer	40.53	40.36	40.43	39.73	40.06	42.53	42.18	N/A	0.35
OW-20	Black Creek Aquifer	39.73	39.38	39.17	38.59	38.47	40.97	40.74	5.79	0.23
OW-22	Black Creek Aquifer	39.78	39.44	39.26	38.67	38.53	41.03	40.83	3.67	0.20
OW-23	Black Creek Aquifer	39.41	39.06	38.93	38.31	38.26	40.55	40.42	3.44	0.13
OW-25	Black Creek Aquifer	38.84	38.51	38.49	37.82	37.94	39.76	39.71	2.81	0.05
OW-32	Black Creek Aquifer	38.70	38.75	38.48	38.37	38.37	38.28	38.40	N/A	0.12
OW-39	Black Creek Aquifer	40.57	40.42	40.47	40.04	40.13	42.55	42.19	N/A	0.36
OW-44	Black Creek Aquifer	36.20	36.08	35.86	35.19	35.04	37.18	37.50	-1.22	0.32
OW-45	Black Creek Aquifer	40.22	39.61	39.75	38.69	39.40	40.70	41.25	3.53	0.55
OW-46	Black Creek Aquifer	39.74	39.37	39.18	38.60	38.48	40.97	40.75	5.84	0.22
OW-47	Black Creek Aquifer	39.53	39.19	39.02	38.42	38.29	40.83	40.59	3.74	0.24
OW-48	Black Creek Aquifer	39.24	38.85	38.77	38.14	38.14	40.34	40.24	3.45	0.10
OW-49	Black Creek Aquifer	38.84	38.51	38.49	37.81	37.94	39.76	39.71	2.96	0.05
OW-50	Black Creek Aquifer	40.11	39.47	39.36	38.53	39.44	41.82	41.45	0.56	0.37
OW-52	Black Creek Aquifer	39.24	38.90	38.70	38.14	37.99	40.56	40.31	N/A	0.25
OW-53	Black Creek Aquifer	39.66	39.34	39.15	38.56	38.41	41.01	40.76	N/A	0.25
PIW-4D	Black Creek Aquifer	40.05	39.39	39.35	38.60	39.43	40.45	41.05	2.85	0.60
PIW-5S/5SR	Surficial Aquifer	Dry	Dry	Dry	Dry	Dry	Dry	Dry	N/A	N/A
PW-10R/10RR	Black Creek Aquifer	39.92	39.46	39.32	38.68	38.86	40.82	40.96	N/A	N/A
PIW-10DR	Black Creek Aquifer	41.04	40.57	40.52	40.12	40.15	39.05	42.18	N/A	3.13
Median (Black Creek Aquifer wells)		39.74	39.38	39.18	38.58	38.48	40.76	40.76	3.45	0.25
Observation Wells >200 ft Downgradient of Barrier Wall: 14 Wells										
LTW-02	Black Creek Aquifer	40.09	39.43	39.38	38.48	39.24	40.39	41.04	2.46	0.65
LTW-03	Floodplain	38.25	37.87	37.93	37.48	37.38	38.67	37.87	1.40	0.80
LTW-05	Black Creek Aquifer	38.47	38.12	38.20	37.44	37.68	39.33	39.34	2.59	0.01
OW-16	Black Creek Aquifer	35.71	35.45	35.47	34.44	34.54	36.59	37.52	-0.83	0.93
OW-27	Black Creek Aquifer	39.88	39.32	39.22	38.37	38.55	41.50	41.20	0.50	0.30
OW-28	Black Creek Aquifer	39.58	39.06	38.95	38.19	38.37	40.89	40.74	-0.11	0.15
OW-30	Black Creek Aquifer	39.57	39.29	39.17	38.37	38.65	41.22	41.45	-0.47	0.23
OW-33	Black Creek Aquifer	39.87	39.66	39.44	38.67	38.99	41.50	40.36	0.71	1.14
OW-40	Black Creek Aquifer	40.35	40.16	40.28	39.74	39.93	42.23	41.46	-0.80	0.77
PIW-3D	Black Creek Aquifer	35.82	35.42	35.55	34.53	34.57	36.43	37.51	-0.90	1.08
PIW-7S	Floodplain	38.82	38.41	38.32	37.65	37.74	39.87	39.77	3.26	0.10
PIW-7D	Black Creek Aquifer	39.48	39.13	38.98	38.40	38.33	41.63	40.48	3.30	1.15
PW-11	Black Creek Aquifer	40.75	40.61	40.66	40.21	40.79	42.64	42.36	N/A	0.28
PZ-22	Black Creek Aquifer	39.50	39.16	38.95	38.40	38.31	40.70	40.50	3.31	0.20
Median (Black Creek Aquifer wells)		39.58	39.23	39.08	38.39	38.46	41.06	40.62	0.50	0.47

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)* *Aug 2 (0.00)* *Aug 3 (0.00)*	*Aug 14 (0.41)* *Aug 15 (0.09)* *Aug 16 (0.00)*	*Jan 27 (0.00)* *Jan 28 (0.00)* *Jan 29 (0.08)*	*Feb 25 (0.07)* *Feb 26 (0.00)* *Feb 27 (0.00)*	*Mar 26 (0.45)* *Mar 27 (0.63)* *Mar 28 (0.28)*	*April 17 (0.00)* *Apr 18 (0.00)* *Apr 19 (0.00)*	*May 20 (0.00)* *May 21 (0.00)* *May 22 (0.00)*	*Jun 18 (0.00)* *Jun 19 (0.16)* *Jun 20 (1.11)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Mid-Commissioning**	**Post-Startup**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**February 28, 2023**	**March 29, 2023**	**April 20, 2023**	**May 23, 2023**	**June 21, 2023**
Observation Wells >200 ft Upgradient of Barrier Wall/Willis Creek Alignments: 12 Wells									
BCA-01	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
BCA-02	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
NAF-11B	Surficial Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
OW-59	Black Creek Aquifer	Well Installed November 5, 2024							
PIW-2D	Black Creek Aquifer	58.08	57.94	57.64	57.59	57.67	57.74	57.64	57.42
PW-02	Surficial Aquifer	87.27	87.00	85.32	85.09	84.85	84.73	84.40	83.13
PW-03	Surficial Aquifer	104.95	104.87	104.39	104.45	104.24	104.33	104.42	104.38
PW-04	Surficial Aquifer	68.40	68.33	67.49	68.36	68.55	68.55	68.72	68.43
PW-14	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
PW-15R	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
SMW-03B	Black Creek Aquifer	89.92	89.71	87.73	87.47	87.19	87.03	86.79	86.60
SMW-09	Surficial Aquifer	82.14	82.03	80.43	80.26	80.12	79.20	79.71	79.93
Median (Surficial Aquifer wells)		84.71	84.52	82.88	82.68	82.49	81.97	82.06	81.53
Median (Black Creek Aquifer wells)		74.00	73.83	72.69	72.53	72.43	72.39	72.22	72.01

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Jul 17 (0.00)* *Jul 18 (0.00)* *Jul 19 (0.00)*	*Aug. 15 (0.09)* *Aug. 16 (0.00)* *Aug. 17 (0.00)*	*Sep. 18 (0.00)* *Sept. 19 (0.00)* *Sept. 20 (0.00)*	*Oct. 27 (0.00)* *Oct 28. (0.00)* *Oct. 29 (0.00)*	*Nov. 25 (0.00)* *Nov. 26 (0.06)* *Nov. 27 (0.03)*	*Dec. 17 (3.34)* *Dec. 18 (0.04)* *Dec. 19 (0.00)*	*Jan. 28 (0.02)* *Jan. 29 (0.00)* *Jan. 30 (0.00)*	*Feb. 24 (0.01)* *Feb. 25 (0.00)* *Feb. 26 (0.01)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		July 20, 2023	**August 18, 2023**	**September 21, 2023**	**October 30, 2023**	**November 28, 2023**	**December 20, 2023**	**January 31, 2024**	**February 27, 2024**
Observation Wells >200 ft Upgradient of Barrier Wall/Willis Creek Alignments: 12 Wells									
BCA-01	Black Creek Aquifer	Not Gauged (Interim Pumping)		80.01	79.65	79.77	79.63	79.56	79.95
BCA-02	Black Creek Aquifer	Not Gauged (Interim Pumping)		Not Gauged	70.63	70.35	69.96	70.28	70.17
NAF-11B	Surficial Aquifer	Not Gauged (Interim Pumping)		Dry	Dry	Dry	Dry	Dry	Dry
OW-59	Black Creek Aquifer	Well Installed November 5, 2024							
PIW-2D	Black Creek Aquifer	57.34	57.29	57.19	56.94	56.78	57.04	57.41	56.99
PW-02	Surficial Aquifer	83.93	83.71	83.53	83.41	83.38	83.34	83.33	83.88
PW-03	Surficial Aquifer	104.35	102.09	Not Gauged	104.38	104.08	103.66	104.20	104.22
PW-04	Surficial Aquifer	69.13	69.45	70.79	70.10	69.28	68.77	69.30	69.33
PW-14	Black Creek Aquifer	Not Gauged (Interim Pumping)		Not Gauged	81.55	81.42	81.25	81.26	81.27
PW-15R	Black Creek Aquifer	Not Gauged (Interim Pumping)		68.92	68.57	68.84	68.76	69.34	69.63
SMW-03B	Black Creek Aquifer	86.35	86.23	86.05	85.90	85.75	85.57	85.38	85.71
SMW-09	Surficial Aquifer	79.75	79.75	79.68	79.45	79.55	79.45	80.20	79.35
Median (Surficial Aquifer wells)		81.84	81.73	79.68	81.43	81.47	81.40	81.77	81.62
Median (Black Creek Aquifer wells)		71.85	71.76	74.47	75.14	75.06	74.80	74.92	75.06

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Mar. 24 (0.00)* *Mar. 25 (0.00)* *Mar. 26 (0.00)*	*Apr. 26 (0.00)* *Apr.27 (0.00)* *Apr. 28 (0.00)*	*May 20 (0.00)* *May 21 (0.00)* *May 22 (0.00)*	*Jun. 23 (0.00)* *Jun.24 (0.00)* *Jun. 25 (0.00)*	*Jul. 28 (0.00)* *Jul. 29 (0.40)* *Jul. 30 (0.00)*	*Aug. 26 (0.00)* *Aug. 27 (0.00)* *Aug. 28 (0.00)*	*Sept. 21 (0.00)* *Sept. 22 (0.00)* *Sept. 23 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**								
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		March 27, 2024	**April 29, 2024**	**May 23, 2024**	**June 26, 2024**	**July 31, 2024**	**August 29, 2024**	**September 24, 2024**	**September 24, 2024 vs. January 30, 2023**	**September 24 vs August 29, 2024**
Observation Wells >200 ft Upgradient of Barrier Wall/Willis Creek Alignments: 12 Wells										
BCA-01	Black Creek Aquifer	79.45	79.44	79.39	79.40	79.34	79.50	79.53	N/A	0.03
BCA-02	Black Creek Aquifer	70.27	70.22	70.11	70.16	70.13	70.35	70.42	N/A	0.07
NAF-11B	Surficial Aquifer	Dry	Dry	Dry	Dry	Dry	Dry	Dry	N/A	N/A
OW-59	Black Creek Aquifer	Well Installed November 5, 2024							N/A	N/A
PIW-2D	Black Creek Aquifer	57.04	57.04	57.04	56.99	56.89	57.16	57.01	0.63	0.15
PW-02	Surficial Aquifer	83.30	83.32	83.31	83.32	83.01	83.18	83.11	2.21	0.07
PW-03	Surficial Aquifer	104.48	104.55	104.49	104.49	104.32	104.50	104.43	-0.04	0.07
PW-04	Surficial Aquifer	69.43	69.41	69.15	68.80	69.05	75.37	74.35	-6.86	1.02
PW-14	Black Creek Aquifer	81.19	81.22	81.20	81.27	81.35	81.77	81.64	N/A	0.13
PW-15R	Black Creek Aquifer	68.93	69.17	68.82	68.72	68.85	68.94	68.87	N/A	0.07
SMW-03B	Black Creek Aquifer	85.25	85.27	85.28	85.23	85.14	85.63	85.41	2.32	0.22
SMW-09	Surficial Aquifer	79.28	79.35	79.35	79.34	79.35	80.03	79.68	0.75	0.35
Median (Surficial Aquifer wells)		81.29	81.34	81.33	81.33	81.18	81.61	81.40	0.35	0.21
Median (Black Creek Aquifer wells)		74.86	74.83	74.75	74.78	74.74	74.93	74.98	1.48	0.10

Notes:
1 - For comparison and calculation of head differentials, elevation data for replacement wells (OW-04R, OW-09R, PIW-5SR, and PW-10RR) has been merged with the corresponding original wells. Since the replacement wells were not installed in exactly the same location as the originals, some spatial variation might exist.
2 - Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
N/A - Not available
NAVD88 - North American Vertical Datum of 1988

Table 6-2
Summary of Willis Creek Water Elevation
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

			Willis Creek Stilling Well ID	WC-SW-1	WC-SW-2	WC-SW-3	WC-SW-4	WC-SW-5
			Northing (ft, NAD83)	400860.53	401030.19	401646.78	402016.63	401962.63
			Easting (ft, NAD83)	2051468.69	2051336.72	2051305.12	2050643.45	2050222.86
			Top of Casing Elevation (ft, NAVD88)	32.25	37.68	34.98	34.25	38.56
Antecedent Daily Total Rainfall (inches):			**Surface Water Elevation from Monthly Water Level Gauging Events (ft, NAVD88)**					
Oct. 27 (0.00)	Oct 28. (0.00)	Oct. 29 (0.00)	October 30, 2023	31.77	37.16	34.19	33.35	37.86
Nov. 25 (0.00)	Nov. 26 (0.06)	Nov. 27 (0.03)	November 28, 2023	30.93	35.28	33.38	31.6	36.06
Dec. 17 (3.34)	Dec. 18 (0.04)	Dec. 19 (0.00)	December 20, 2023	flooded	flooded	flooded	flooded	flooded
Jan. 28 (0.02)	Jan. 29 (0.00)	Jan. 30 (0.00)	January 31, 2024	flooded	flooded	flooded	31.82	35.99
Feb. 24 (0.01)	Feb. 25 (0.00)	Feb. 26 (0.01)	February 27, 2024	30.83	dry	33.28	32.3	36.74
Mar. 24 (0.00)	Mar. 25 (0.00)	Mar. 26 (0.00)	March 27, 2024	30.9	dry	33.35	32.43	36.86
Apr. 26 (0.00)	Apr.27 (0.00)	Apr. 28 (0.00)	April 29, 2024	30.9	dry	33.25	31.78	36.24
May 20 (0.00)	May 21 (0.00)	May 22 (0.00)	May 23, 2024	31.01	dry	33.31	31.85	36.39
Jun. 23 (0.00)	Jun.24 (0.00)	Jun. 25 (0.00)	June 26, 2024	30.53	dry	32.98	31.35	35.74
Jul. 28 (0.00)	Jul. 29 (0.40)	Jul. 30 (0.00)	July 31, 2024	flooded	flooded	flooded	flooded	flooded
Aug. 26 (0.00)	Aug. 27 (0.00)	Aug. 28 (0.00)	August 29, 2024	flooded	flooded	33.68	32.75	37.17
Sept. 21 (0.00)	Sept. 22 (0.00)	Sept. 23 (0.00)	September 24, 2024	flooded	flooded	33.68	32.7	37.22

Notes:

1 - Stilling wells were installed in Wills Creek in October 2023.

2 - Water level logging transducers are installed inside stilling wells WC-SW-1, WC-SW-3, and WC-SW-3. Water elevation data for WC-SW-1 is shown in Figure 6-9.

ft - foot NAD83 - North American Datum of 1983 NAVD88 - North American Vertical Datum of 1988

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	LTW-01							LTW-02						
	CAP1Q23-LTW-01-021623 Sample Date: 16-Feb-23	CAP2Q23-LTW-01-051723 Sample Date: 17-May-23	CAP3Q23-LTW-01-071323 Sample Date: 13-Jul-23	CAP4Q23-LTW-01-110323 Sample Date: 3-Nov-23	CAP1Q24-LTW-01-011724 Sample Date: 17-Jan-24	CAP2Q24-LTW-01-041524 Sample Date: 15-Apr-24	CAP3Q24-LTW-01-072624 Sample Date: 26-Jul-24	CAP1Q23-LTW-02-021623 Sample Date: 16-Feb-23	CAP2Q23-LTW-02-051723 Sample Date: 17-May-23	CAP3Q23-LTW-02-071223 Sample Date: 12-Jul-23	CAP4Q23-LTW-02-110323 Sample Date: 3-Nov-23	CAP1Q24-LTW-02-011724 Sample Date: 17-Jan-24	CAP2Q24-LTW-02-041524 Sample Date: 15-Apr-24	CAP3Q24-LTW-02-071824 Sample Date: 18-Jul-24
Hfpo Dimer Acid	**18,000**	**18,000**	**8,500**	**15,000**	**15,000**	**17,000**	**16,000**	**2,800**	**7,000**	**6,800 J**	**9,800**	**12,000**	**16,000**	**14,000**
PFMOAA	**23,000**	**21,000**	**27,000**	**24,000**	**12,000**	**14,000**	**20,000**	**9,300**	**17,000**	**31,000**	**27,000**	**32,000**	**24,000**	**31,000**
PFO2HxA	**23,000**	**21,000**	**28,000**	**25,000**	**17,000**	**19,000**	**20,000**	**4,800**	**10,000**	**22,000**	**21,000**	**28,000**	**21,000**	**22,000**
PFO3OA	**5,700**	**5,300**	**6,400**	**5,700**	**3,300**	**4,200**	**5,500**	**1,100**	**1,900**	**3,700**	**4,100**	**5,200**	**4,900**	**5,300**
PFO4DA	**1,300**	**1,500**	**1,600**	**1,300**	**950**	**1200**	**960**	**86**	**120**	**180**	**160**	**200**	**260**	**270**
PFO5DA	**170**	**170**	**200**	**210**	**140**	**160**	<130	<78	<78	<2.0	<100	<130	<130	<130
PMPA	**16,000**	**16,000**	**19,000**	**18,000**	**15,000**	**14,000 J**	**13,000**	**1,800**	**5,700**	**11,000**	**11,000**	**14,000**	**13,000 J**	**13,000**
PEPA	**5,900**	**5,700**	**7,200**	**6,200**	**6,800**	**4,900**	**5,100**	**580**	**1,800**	**3,600**	**3,500**	**5,100**	**3,700**	**3,700**
PS Acid	<20	<20	<2.0	<40	<50	<50 UJ	<50	<20	<20	<2.0	<40	<50	<50 UJ	<50
Hydro-PS Acid	**310**	**300**	**280**	**280**	**200**	**250**	**150**	<6.1	**15**	**17**	<44	<55	<55	<55
R-PSDA	**960 J**	<71	**940 J**	**790 J**	**830 J**	**730 J**	**950 J**	<71	<71	**620 J**	**520 J**	**780 J**	**650 J**	**860 J**
Hydrolyzed PSDA	**560 J**	**690 J**	**760 J**	**590 J**	**83 J**	**530 J**	**570 J**	**270 J**	<38	**1,300 J**	**1,500 J**	**1,800 J**	**2,100 J**	**1,700 J**
R-PSDCA	<17	<17	**6.9**	<140	<180	<180	<180	<17	<17	<3.0	<140	<180	<180	<180
NVHOS, Acid Form	**390**	**440**	**320**	**430**	**270**	**330**	**350**	**160**	**300**	**320**	**410**	**450**	**510**	**460**
EVE Acid	<17	<17	<2.0	<40	<50	<50 UJ	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50
Hydro-EVE Acid	**160**	**140**	**150**	**140**	**51**	**110**	**100**	<14	**38**	**39**	**42**	<30	**75**	**74**
R-EVE	**550 J**	**580 J**	**560 J**	**530 J**	**310 J**	**760 J**	**560 J**	<72	<72	**260 J**	**410 J**	**440 J**	**900 J**	**650 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<2.0	<29	<36	<36	<36	<6.7	<6.7	<2.0	<29	<36	<36	<36
PFECA B	<27	<27	<2.0	<62	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78
PFECA-G	<48	<48	<2.0	<29	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36
PFPrA	--	--	**22,000**	**24,000**	**15,000**	**16,000**	**20,000**	--	--	**16,000**	**21,000**	**23,000**	**20,000**	**21,000**
Total Table 3+ (17 compounds)[2,3]	**93,900**	**89,600**	**98,700**	**96,300**	**70,700**	**75,200**	**81,200**	**20,600**	**43,900**	**78,700**	**77,000**	**97,000**	**83,400**	**89,800**
Total Table 3+ (18 compounds)[2,4]	--	--	**121,000**	**120,000**	**85,700**	**91,200**	**101,000**	--	--	**94,700**	**98,000**	**120,000**	**103,000**	**111,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**123,000**	**122,000**	**86,900**	**93,200**	**103,000**	--	--	**96,800**	**100,000**	**123,000**	**107,000**	**114,000**

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.

3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.

4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.

5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	LTW-03							LTW-04						
	CAP1Q23-LTW-03-022123 Sample Date: 21-Feb-23	CAP2Q23-LTW-03-052323 Sample Date: 23-May-23	CAP3Q23-LTW-03-071223 Sample Date: 12-Jul-23	CAP4Q23-LTW-03-111323 Sample Date: 13-Nov-23	CAP1Q24-LTW-03-013124 Sample Date: 31-Jan-24	CAP2Q24-LTW-03-041524 Sample Date: 15-Apr-24	CAP3Q24-LTW-03-072924 Sample Date: 29-Jul-24	CAP1Q23-LTW-04-021723 Sample Date: 17-Feb-23	CAP2Q23-LTW-04-052323 Sample Date: 23-May-23	CAP3Q23-LTW-04-071123 Sample Date: 11-Jul-23	CAP4Q23-LTW-04-110223 Sample Date: 2-Nov-23	CAP1Q24-LTW-04-011624 Sample Date: 16-Jan-24	CAP2Q24-LTW-04-041024 Sample Date: 10-Apr-24	CAP3Q24-LTW-04-072424 Sample Date: 24-Jul-24
Hfpo Dimer Acid	**11,000**	**10,000**	**8,600**	**5,800 J**	**7,800**	**11,000**	**9,800**	**18,000**	**19,000**	**9,800 J**	**17,000**	**17,000**	**21,000**	**20,000**
PFMOAA	**120,000**	**120,000**	**140,000 J**	**110,000 J**	**86,000**	**110,000**	**120,000**	**55,000**	**55,000**	**57,000 J**	**61,000**	**55,000**	**40,000**	**57,000**
PFO2HxA	**34,000**	**41,000**	**49,000 J**	**24,000 J**	**28,000**	**26,000**	**37,000**	**23,000**	**28,000**	**29,000**	**26,000**	**26,000**	**24,000**	**24,000**
PFO3OA	**5,800**	**6,700**	**7,600**	**5,900**	**3,800**	**6,100**	**6,000**	**4,400**	**5,200**	**5,200**	**5,300**	**5,100**	**4,100**	**5,500**
PFO4DA	**200**	**220**	**230**	**240**	**150**	**160**	**230**	**630**	**620**	**780**	**650**	**560**	**640**	**650**
PFO5DA	<78	<78	<2.0	<2.0	<130	<130	<130	<78	<78	**26**	<100	<130	<130	<130
PMPA	**14,000**	**15,000**	**16,000**	**18,000**	**11,000**	**13,000 J**	**16,000**	**17,000**	**16,000**	**20,000**	**17,000**	**16,000**	**16,000**	**18,000**
PEPA	**3,400**	**3,500**	**3,600**	**3,700**	**2,200**	**2,800**	**3,400**	**6,400**	**6,000**	**6,900**	**6,100**	**5,500**	**5,500**	**6,600**
PS Acid	<20	<20	<2.0	<2.0	<50 UJ	<50 UJ	<50	<20	<20	**5**	<40	<50	<50	<50
Hydro-PS Acid	<6.1	**28**	**26**	**26**	<55	<55	<55	**170**	**210**	**190**	**180**	**150**	**180**	**160**
R-PSDA	**1,000 J**	**950 J**	**900 J**	**870 J**	**770 J**	**760 J**	**1,000 J**	**2,000 J**	**1,700 J**	**1,700 J**	**1,700 J**	**1,400 J**	**2,300 J**	**2,000 J**
Hydrolyzed PSDA	**7,100 J**	**5,800 J**	**5,900 J**	**6,500 J**	**5,300 J**	**7,700 J**	**8,200 J**	**4,200 J**	**2,300 J**	**3,000 J**	**3,800 J**	**2,800 J**	**3,000 J**	**4,000 J**
R-PSDCA	<17	<17	<3.0	<3.0	<180	<180	<180	<17	<17	**12**	<140	<180	<180	<180
NVHOS, Acid Form	**1,300**	**1,300**	**1,900**	**1,400**	**1,100**	**1,200**	**1,400**	**1,300**	**1,200**	**1,400**	**1,100**	**1,200**	**1,000**	**1,300**
EVE Acid	<17	<17	<2.0	<2.0	<50 UJ	<50 UJ	<50	<17	<17	<2.0	<40	<50	<50	<50
Hydro-EVE Acid	**71**	**64**	**63**	**56**	**42**	**52**	**64**	**500**	**390**	**540**	**470**	**370**	**390**	**410**
R-EVE	**520 J**	**430 J**	**150 J**	**180 J**	**320 J**	**730 J**	**500 J**	**2,000 J**	**1,500 J**	**1,300 J**	**1,700 J**	**1,100 J**	**1,900 J**	**1,900 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	**6.1**	**6**	<36	<36	<36	<6.7	<6.7	**8.2**	<29	<36	<36	<36
PFECA B	<27	<27	<2.0	<2.0	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78
PFECA-G	<48	<48	<2.0	<2.0	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36
PFPrA	--	--	**62,000 J**	**61,000 J**	**47,000**	**52,000**	**41,000**	--	--	**53,000**	**48,000**	**43,000 J**	**39,000**	**47,000**
Total Table 3+ (17 compounds)[2,3]	**190,000**	**198,000**	**227,000**	**169,000**	**140,000**	**170,000**	**194,000**	**126,000**	**132,000**	**131,000**	**135,000**	**127,000**	**113,000**	**134,000**
Total Table 3+ (18 compounds)[2,4]	--	--	**289,000**	**230,000**	**187,000**	**222,000**	**235,000**	--	--	**184,000**	**183,000**	**170,000**	**152,000**	**181,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**296,000**	**238,000**	**193,000**	**232,000**	**245,000**	--	--	**190,000**	**190,000**	**175,000**	**159,000**	**189,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	LTW-05							OW-28						
	CAP1Q23-LTW-05-021523 Sample Date: 15-Feb-23	CAP2Q23-LTW-05-052223 Sample Date: 22-May-23	CAP3Q23-LTW-05-071123 Sample Date: 11-Jul-23	CAP4Q23-LTW-05-110223 Sample Date: 2-Nov-23	CAP1Q24-LTW-05-011524 Sample Date: 15-Jan-24	CAP2Q24-LTW-05-041024 Sample Date: 10-Apr-24	CAP3Q24-LTW-5-072524 Sample Date: 25-Jul-24	CAP1Q23-OW-28-022023 Sample Date: 20-Feb-23	CAP2Q23-OW-28-052523 Sample Date: 25-May-23	CAP3Q23-OW-28-071123 Sample Date: 11-Jul-23	CAP4Q23-OW-28-110223 Sample Date: 2-Nov-23	CAP1Q24-OW-28-011824 Sample Date: 18-Jan-24	CAP2Q24-OW-28-041624 Sample Date: 16-Apr-24	CAP3Q24-OW-28-071824 Sample Date: 18-Jul-24
Hfpo Dimer Acid	**18,000**	**19,000 J**	**9,000**	**18,000**	**31,000**	**26,000**	**28,000**	**4,800**	**4,800**	**4,400**	**4,400**	**3,800**	**4,500**	**3,600**
PFMOAA	**120,000**	**130,000 J**	**120,000 J**	**170,000**	**200,000**	**140,000**	**170,000**	**1,500**	**1,900**	**1,600**	**1,600**	**1,600**	**1,100**	**1,500**
PFO2HxA	**36,000**	**48,000 J**	**41,000 J**	**58,000**	**68,000**	**57,000**	**63,000**	**2,500**	**3,500**	**3,400**	**3,100**	**3,300**	**2,400**	**2,200**
PFO3OA	**8,300**	**11,000 J**	**9,500**	**14,000**	**21,000**	**14,000**	**20,000**	**510**	**670**	**550**	**680**	**620**	**510**	**360**
PFO4DA	**2,100**	**2,100 J**	**2,000**	**1,900**	**2,300**	**1,900**	**1,800**	**110**	**83**	**94**	**120**	**85**	**76**	**89**
PFO5DA	<78	<78 UJ	<2.0	<100	<130	<130	<130	<78	<78	<2.0	<100	<130	<130	<130
PMPA	**4,000**	**4,600 J**	**4,200**	**5,500**	**9,200**	**5,600**	**6,400**	**5,000**	**6,400**	**5,200**	**6,000**	**5,700**	**4,600 J**	**4,600**
PEPA	**620**	**530 J**	**440**	**510**	**1,800**	**540**	**740**	**1,900**	**2,500**	**1,800**	**2,200**	**2,800**	**1,700**	**1,400**
PS Acid	<20	<20 UJ	<2.0	<40	<50	<50	<50	<20	<20	<2.0	<40	<50	<50 UJ	<50
Hydro-PS Acid	**190**	**190 J**	**200**	**200**	**330**	**170**	**190**	**75**	**74**	**75**	**75**	**84**	**70**	**68**
R-PSDA	**490 J**	**670 J**	**500 J**	**950 J**	**1,300 J**	**1,200 J**	**1,300 J**	**340 J**	**310 J**	**250 J**	**230 J**	**280 J**	**210 J**	**230 J**
Hydrolyzed PSDA	**880 J**	**1,100 J**	**950 J**	**1,900 J**	**2,600 J**	**1,700 J**	**2,300 J**	<38	<38	**2.2 J**	<27 UJ	<34	<34	<34
R-PSDCA	**19**	<17 UJ	**17**	<140	<180	<180	<180	<17	<17	<3.0	<140	<180	<180	<180
NVHOS, Acid Form	**1,100**	**1,300 J**	**1,000**	**1,500**	**2,100**	**1,400**	**1,900**	**110**	<15	**31**	<130	<160	<160	<160
EVE Acid	<17	<17 UJ	<2.0	<40	<50	<50	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50
Hydro-EVE Acid	**750**	**720 J**	**720**	**770**	**1,300**	**650**	**740**	<14	<14	**14**	<24	<30	<30	<30
R-EVE	**610 J**	**760 J**	**610 J**	**1,200 J**	**1,500 J**	**1,500 J**	**1,600 J**	**190 J**	**180 J**	**380 J**	**140 J**	**120 J**	**230 J**	**130 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7 UJ	**11**	<29	<36	<36	<36	<6.7	<6.7	<2.0	<29	<36	<36	<36
PFECA B	<27	<27 UJ	<2.0	<62	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78
PFECA-G	<48	<48 UJ	<2.0	<29	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36
PFPrA	--	--	**83,000 J**	**120,000**	**120,000**	**100,000**	**85,000**	--	--	**5,200**	**5,500**	**6,500**	**4,000**	**4,000**
Total Table 3+ (17 compounds)[2,3]	**191,000**	**217,000**	**188,000**	**270,000**	**337,000**	**247,000**	**293,000**	**16,500**	**19,900**	**17,200**	**18,200**	**18,000**	**15,000**	**13,800**
Total Table 3+ (18 compounds)[2,4]	--	--	**271,000**	**390,000**	**457,000**	**347,000**	**378,000**	--	--	**22,400**	**23,700**	**24,500**	**19,000**	**17,800**
Total Table 3+ (21 compounds)[2,5]	--	--	**273,000**	**394,000**	**462,000**	**352,000**	**383,000**	--	--	**23,000**	**24,000**	**24,900**	**19,400**	**18,200**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	OW-33							PIW-1D						
	CAP1Q23-OW-33-021423 Sample Date: 14-Feb-23	CAP2Q23-OW-33-051823 Sample Date: 18-May-23	CAP3Q23-OW-33-071223 Sample Date: 12-Jul-23	CAP4Q23-OW-33-110223 Sample Date: 2-Nov-23	CAP1Q24-OW-33-013024 Sample Date: 30-Jan-24	CAP2Q24-OW-33-041624 Sample Date: 16-Apr-24	CAP3Q24-OW-33-071624 Sample Date: 16-Jul-24	CAP1Q23-PIW-1D-021623 Sample Date: 16-Feb-23	CAP2Q23-PIW-1D-052323 Sample Date: 23-May-23	CAP3Q23-PIW-1D-080223 Sample Date: 2-Aug-23	CAP4Q23-PIW-1D-110723 Sample Date: 7-Nov-23	CAP1Q24-PIW-1D-012224 Sample Date: 22-Jan-24	CAP2Q24-PIW-1D-041524 Sample Date: 15-Apr-24	CAP3Q24-PIW-1D-072324 Sample Date: 23-Jul-24
Hfpo Dimer Acid	**5,300**	**5,000**	**4,000**	**4,900**	**4,400**	**6,200**	**3,900**	**9,800**	**9,900**	**9,200 J**	**8,800**	**8,600**	**11,000**	**11,000**
PFMOAA	**7,900**	**8,400**	**11,000**	**9,800**	**7,700**	**6,500**	**9,100**	**12,000**	**12,000**	**11,000 J**	**9,900**	**10,000**	**7,500**	**9,900**
PFO2HxA	**4,700**	**4,300**	**6,500**	**5,900**	**3,800**	**4,500**	**5,000**	**8,800**	**11,000**	**9,900 J**	**12,000**	**9,800**	**8,400**	**9,900**
PFO3OA	**810**	**840**	**1,100**	**1,100**	**560**	**790**	**550**	**1,500**	**1,700**	**1,600**	**1,700**	**1,900**	**1,600**	**1,900**
PFO4DA	<59	<59	71	**66**	<50	<50	**39**	**430**	**440**	**410**	**430**	**250**	**440**	**320**
PFO5DA	<78	<78	<2.0	<100	<130	<130	<2.0	<78	<78	<100	<100	<130	<130	<130
PMPA	**4,800**	**5,200**	**6,100**	**6,000**	**4,500**	**5,000 J**	**5,400**	**7,800**	**9,000**	**9,600 J**	**8,600**	**9,800**	**8,200 J**	**12,000**
PEPA	**2,000**	**1,800**	**2,300**	**2,200**	**1,300**	**1,700**	**1,800**	**2,600**	**3,000**	**3,200**	**3,100**	**3,700**	**2,900**	**3,500**
PS Acid	<20	<20	**8**	<40	<50 UJ	<50 UJ	<2.0	<20	<20	<40	<40	<50	<50 UJ	<50
Hydro-PS Acid	**29**	**53**	**43**	<44	<55	<55	**32**	**87**	**98**	**86**	**76**	**95**	**77**	<55
R-PSDA	**280 J**	<71	**290 J**	**250 J**	**210 J**	**240 J**	**320 J**	**330 J**	**380 J**	**370 J**	**320 J**	**380 J**	**330 J**	**480 J**
Hydrolyzed PSDA	<38	<38	**58 J**	**61 J**	**38 J**	**48 J**	**100 J**	<38	<38	<27	<27	<34	<34	<34
R-PSDCA	<17	<17	<3.0	<140	<180	<180	<3.0	<17	<17	<140	<140	<180	<180	<180
NVHOS, Acid Form	**170**	**240**	**130**	**140**	<160	<160	**120**	**190**	**160**	**150 J**	**140**	<160	<160	<160
EVE Acid	<17	<17	<2.0	<40	<50 UJ	<50 UJ	<2.0	<17	<17	<40	<40	<50	<50 UJ	<50
Hydro-EVE Acid	<14	<14	**14**	<24	<30	<30	**11**	**31**	<14	**29**	**28**	**32**	<30	<30
R-EVE	**130 J**	<72	**220 J**	**170 J**	**140 J**	**300 J**	**330 J**	**190 J**	**200 J**	**280 J**	**220 J**	**180 J**	**390 J**	**350 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<2.0	<29	<36	<36	<2.0	<6.7	<6.7	<29	<29	<36	<36	<36
PFECA B	<27	<27	<2.0	<62	<78	<78	<2.0	<27	<27	<62	<62	<78	<78	<78
PFECA-G	<48	<48	<2.0	<29	<36	<36	<2.0	<48	<48	<29	<29	<36	<36	<36
PFPrA	**--**	**--**	**9,900**	**9,400**	**7,300**	**7,400**	**8,300**	**--**	**--**	**12,000 J**	**12,000**	**11,000**	**10,000**	**12,000**
Total Table 3+ (17 compounds)[2,3]	**25,700**	**25,800**	**31,300**	**30,100**	**22,300**	**24,700**	**26,000**	**43,200**	**47,300**	**45,200**	**44,800**	**44,200**	**40,100**	**48,500**
Total Table 3+ (18 compounds)[2,4]	**--**	**--**	**41,200**	**39,500**	**29,600**	**32,100**	**34,300**	**--**	**--**	**57,200**	**56,800**	**55,200**	**50,100**	**60,500**
Total Table 3+ (21 compounds)[2,5]	**--**	**--**	**41,700**	**40,000**	**29,900**	**32,700**	**35,000**	**--**	**--**	**57,800**	**57,300**	**55,700**	**50,800**	**61,400**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	PIW-1S							PIW-3D						
	CAP1Q23-PIW-1S-021623 Sample Date: 16-Feb-23	Not Sampled in 2Q 2023 (Dry)	Not Sampled in 3Q 2023 (Dry)	Not Sampled in 4Q 2023 (Dry)	CAP1Q24-PIW-1S-011624 Sample Date: 16-Jan-24	Not Sampled in 2Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP1Q23-PIW-3D-021623 Sample Date: 16-Feb-23	CAP2Q23-PIW-3D-051723 Sample Date: 17-May-23	CAP3Q23-PIW-3D-071323 Sample Date: 13-Jul-23	CAP4Q23-PIW-3D-110323 Sample Date: 3-Nov-23	CAP1Q24-PIW-3D-011824 Sample Date: 18-Jan-24	CAP2Q24-PIW-3D-041524 Sample Date: 15-Apr-24	CAP3Q24-PIW-3D-072324 Sample Date: 23-Jul-24
Hfpo Dimer Acid	**7,400**	--	--	--	**1,400**	--	--	**12,000**	**12,000**	**9,700**	**12,000**	**15,000**	**16,000**	**16,000**
PFMOAA	**2,000**	--	--	--	**390 J**	--	--	**9,400**	**8,500**	**13,000**	**19,000**	**25,000**	**11,000**	**18,000**
PFO2HxA	**4,700**	--	--	--	**1,200**	--	--	**12,000**	**10,000**	**16,000**	**19,000**	**27,000**	**15,000**	**20,000**
PFO3OA	**900**	--	--	--	**240**	--	--	**2,200**	**2,100**	**3,100**	**4,000**	**5,600**	**3,200**	**3,700**
PFO4DA	**440**	--	--	--	**110**	--	--	**940**	**800**	**890**	**1,200**	**1,800**	**860**	**1,500**
PFO5DA	<78	--	--	--	<130	--	--	**130**	<78	**160**	**200**	**380**	<130	**130**
PMPA	**4,400**	--	--	--	**1,100**	--	--	**9,500**	**8,800**	**12,000**	**13,000**	**16,000**	**13,000 J**	**13,000**
PEPA	**1,900**	--	--	--	**330**	--	--	**3,700**	**3,400**	**4,500**	**4,700**	**6,100**	**4,700**	**5,300**
PS Acid	<20	--	--	--	<50	--	--	<20	<20	<2.0	<40	<50	<50 UJ	<50
Hydro-PS Acid	**210**	--	--	--	**230**	--	--	**240**	**200**	**240**	**290**	**340**	**200**	**250**
R-PSDA	<71	--	--	--	**110 J**	--	--	**520 J**	<71	**610 J**	**750 J**	**780 J**	**620 J**	**790 J**
Hydrolyzed PSDA	<38	--	--	--	<34	--	--	<38	<38	**15 J**	**300 J**	**470 J**	**70 J**	**140 J**
R-PSDCA	<17	--	--	--	<180	--	--	<17	<17	**4.7**	<140	<180	<180	<180
NVHOS, Acid Form	<15	--	--	--	<160	--	--	**190**	**290**	**170**	**310**	**360**	**200**	**280**
EVE Acid	<17	--	--	--	<50	--	--	<17	<17	<2.0	<40	<50	<50 UJ	<50
Hydro-EVE Acid	**62**	--	--	--	**30**	--	--	**72**	**70**	**74**	**100**	**100**	**69**	**85**
R-EVE	**180 J**	--	--	--	<39	--	--	**220 J**	<72	**280 J**	**420 J**	**390 J**	**550 J**	**420 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	--	--	--	<36	--	--	<6.7	<6.7	<2.0	<29	<36	<36	<36
PFECA B	<27	--	--	--	<78	--	--	<27	<27	<2.0	<62	<78	<78	<78
PFECA-G	<48	--	--	--	<36	--	--	<48	<48	<2.0	<29	<36	<36	<36
PFPrA	--	--	--	--	**1,300 J**	--	--	--	--	**19,000**	**21,000**	**22,000**	**16,000**	**21,000**
Total Table 3+ (17 compounds)[2,3]	**22,000**	--	--	--	**5,030**	--	--	**50,400**	**46,200**	**59,800**	**73,800**	**97,700**	**64,200**	**78,200**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**6,330**	--	--	--	--	**78,800**	**94,800**	**120,000**	**80,200**	**99,200**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**6,440**	--	--	--	--	**79,700**	**96,300**	**121,000**	**81,500**	**101,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	PIW-7D							PIW-7S						
	CAP1Q23-PIW-7D-021523 Sample Date: 15-Feb-23	CAP2Q23-PIW-7D-052223 Sample Date: 22-May-23	CAP3Q23-PIW-7D-071123 Sample Date: 11-Jul-23	CAP4Q23-PIW-7D-110223 Sample Date: 2-Nov-23	CAP1Q24-PIW-7D-011524 Sample Date: 15-Jan-24	CAP2Q24-PIW-7D-041524 Sample Date: 15-Apr-24	CAP3Q24-PIW-7D-072324 Sample Date: 23-Jul-24	CAP1Q23-PIW-7S-021523 Sample Date: 15-Feb-23	CAP2Q23-PIW-7S-052223 Sample Date: 22-May-23	CAP3Q23-PIW-7S-071123 Sample Date: 11-Jul-23	CAP4Q23-PIW-7S-110223 Sample Date: 2-Nov-23	CAP1Q24-PIW-7S-011524 Sample Date: 15-Jan-24	CAP2Q24-PIW-7S-041024 Sample Date: 10-Apr-24	CAP3Q24-PIW-7S-072424 Sample Date: 24-Jul-24
Hfpo Dimer Acid	**17,000**	**8,800 J**	**9,600 J**	**13,000**	**14,000**	**16,000**	**16,000**	**15,000**	**12,000 J**	**8,000**	**12,000**	**13,000**	**17,000**	**16,000**
PFMOAA	**140,000**	**130,000 J**	**140,000 J**	**150,000**	**150,000**	**110,000**	**120,000**	**18,000**	**16,000 J**	**15,000**	**17,000**	**17,000**	**120,000**	**16,000**
PFO2HxA	**47,000**	**37,000 J**	**42,000 J**	**43,000**	**38,000**	**35,000**	**35,000**	**13,000**	**12,000 J**	**11,000**	**12,000**	**13,000**	**40,000**	**12,000**
PFO3OA	**9,200**	**5,900 J**	**6,800**	**6,100**	**6,500**	**6,500**	**7,200**	**5,100**	**3,800 J**	**2,800**	**4,300**	**3,800**	**6,000**	**4,400**
PFO4DA	**1,700**	**1,100 J**	**890**	**1,000**	**870**	**950**	**860**	**660**	**440 J**	**350**	**420**	**400**	**880**	**560**
PFO5DA	<78	<78 UJ	<2.0	<100	<130	<130	<130	<78	<78 UJ	**19**	<100	<130	<130	<130
PMPA	**5,100**	**4,500 J**	**4,300**	**5,200**	**5,600**	**4,800 J**	**4,500**	**11,000**	**7,900 J**	**6,900**	**9,200**	**9,500**	**5,100**	**9,900**
PEPA	**1,100**	**950 J**	**950**	**1,000**	**1,100**	**1,000**	**1,100**	**4,500**	**3,300 J**	**2,500**	**3,400**	**3,800**	**980**	**4,000**
PS Acid	<20	<20 UJ	<2.0	<40	<50	<50 UJ	<50	<20	<20 UJ	<2.0	<40	<50	<50	<50
Hydro-PS Acid	**180**	**98 J**	**110**	**110**	**110**	**99**	**86**	**340**	**270 J**	**220**	**250**	**230**	**85**	**310**
R-PSDA	**710 J**	**470 J**	**460 J**	**510 J**	**570 J**	**490 J**	**700 J**	**1,200 J**	**960 J**	**710 J**	**910 J**	**790 J**	**770 J**	**1,200 J**
Hydrolyzed PSDA	**1,200 J**	**740 J**	**890 J**	**1,100 J**	**1,100 J**	**1,400 J**	**1,200 J**	<38	**63 J**	**110 J**	**60 J**	**45 J**	**1,000 J**	**42 J**
R-PSDCA	<17	<17 UJ	**7.3**	<140	<180	<180	<180	<17	<17 UJ	**5.4**	<140	<180	<180	<180
NVHOS, Acid Form	**1,200**	**990 J**	**1,100**	**1,200**	**1,300**	**1,100**	**1,100**	**830**	**630 J**	**520**	**690**	**680**	**1100**	**790**
EVE Acid	<17	<17 UJ	<2.0	<40	<50	<50 UJ	<50	<17	<17 UJ	<2.0	<40	<50	<50	<50
Hydro-EVE Acid	**610**	**330 J**	**360**	**360**	**320**	**310**	**260**	**650**	**460 J**	**360**	**430**	**360**	**280**	**500**
R-EVE	**870 J**	**550 J**	**560 J**	**680 J**	**540 J**	**1,600 J**	**790 J**	**1,400 J**	**1,000 J**	**820 J**	**1,200 J**	**880 J**	**890 J**	**1,400 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	**12**	<6.7 UJ	**8.5**	<29	<36	<36	<36	<6.7	<6.7 UJ	**3.3**	<29	<36	<36	<36
PFECA B	<27	<27 UJ	<2.0	<62	<78	<78	<78	<27	<27 UJ	<2.0	<62	<78	<78	<78
PFECA-G	<48	<48 UJ	<2.0	<29	<36	<36	<36	<48	<48 UJ	<2.0	<29	<36	<36	<36
PFPrA	--	--	**79,000 J**	**86,000**	**71,000 J**	**67,000**	**70,000**	--	--	**14,000**	**18,000**	**17,000 J**	**62,000**	**17,000**
Total Table 3+ (17 compounds)[2,3]	**223,000**	**190,000**	**206,000**	**221,000**	**218,000**	**176,000**	**186,000**	**69,100**	**56,800**	**47,700**	**59,700**	**61,800**	**191,000**	**64,500**
Total Table 3+ (18 compounds)[2,4]	--	--	**285,000**	**307,000**	**289,000**	**243,000**	**256,000**	--	--	**61,700**	**77,700**	**78,800**	**253,000**	**81,500**
Total Table 3+ (21 compounds)[2,5]	--	--	**287,000**	**309,000**	**291,000**	**246,000**	**259,000**	--	--	**63,300**	**79,900**	**80,500**	**256,000**	**84,100**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)													
	PW-04							PZ-22						
	CAP1Q23-PW-04-022323 Sample Date: 23-Feb-23	CAP2Q23-PW-04-052523 Sample Date: 25-May-23	CAP3Q23-PW-04-072823 Sample Date: 28-Jul-23	CAP4Q23-PW-04-110923 Sample Date: 9-Nov-23	CAP1Q24-PW-04-011724 Sample Date: 17-Jan-24	CAP2Q24-PW-04-042324 Sample Date: 23-Apr-24	CAP3Q24-PW-04-072624 Sample Date: 26-Jul-24	CAP1Q23-PZ-22-022023 Sample Date: 20-Feb-23	CAP2Q23-PZ-22-052323 Sample Date: 23-May-23	CAP3Q-PZ-22-071123 Sample Date: 11-Jul-23	CAP4Q23-PZ-22-110223 Sample Date: 2-Nov-23	CAP1Q24-PZ-22-011624 Sample Date: 16-Jan-24	CAP2Q24-PZ-22-041624 Sample Date: 16-Apr-24	CAP3Q24-PZ-22-072524 Sample Date: 25-Jul-24
Hfpo Dimer Acid	**730**	**980**	**950**	**670**	**1,000**	**670**	**760**	**13,000**	**12,000**	**7,300 J**	**11,000**	**11,000**	**13,000**	**12,000**
PFMOAA	**300**	**490**	**380**	**300**	**370**	**220**	**240**	**140,000**	**150,000**	**140,000**	**170,000**	**150,000**	**120,000**	**140,000**
PFO2HxA	**640**	**1,100**	**1,000**	**930**	**1,000**	**660**	**750**	**38,000**	**49,000**	**50,000**	**47,000**	**42,000**	**34,000**	**47,000**
PFO3OA	**330**	**520**	**520**	**340**	**450**	**270**	**330**	**3,600**	**5,400**	**4,800**	**5,400**	**5,100**	**4,100**	**6,000**
PFO4DA	**63**	**95**	**120**	**100**	**110**	**95**	**73**	**120**	**270**	**240**	**210**	**220**	**330**	**350**
PFO5DA	<78	<78	<100	<100	<130	<130	<130	<78	<78	<2.0	<100	<130	<130	<130
PMPA	**860**	**1,200**	**1,200**	**950**	**1,400**	**890**	**900**	**5,000**	**6,200**	**6,100**	**6,700**	**6,300**	**6,000 J**	**5,800**
PEPA	**330**	**440**	**480**	**320**	**590**	**320**	**310**	**1,200**	**1,500**	**1,600**	**1,500**	**1,400**	**1,300**	**1,500**
PS Acid	<20	<20	<40	<40	<50	<50	<50	<20	<20	**3.1**	<40	<50	<50 UJ	<50
Hydro-PS Acid	**22**	<6.1	<44	<44	<55	<55	<55	**28**	**36**	**35**	<44	<55	<55	<55
R-PSDA	**160 J**	**150 J**	**78 J**	<28	**130 J**	**82 J**	<35	**540 J**	**560 J**	**540 J**	**510 J**	**440 J**	**480 J**	**610 J**
Hydrolyzed PSDA	<38	<38	<27	<27	<34	<34	<34	**890 J**	**1,000 J**	**1,100 J**	**1,600 J**	**1,100 J**	**1,500 J**	**1,600 J**
R-PSDCA	<17	<17	<140	<140	<180	<180	<180	<17	<17	**3.2**	<140	<180	<180	<180
NVHOS, Acid Form	<15	<15	<130	<130	<160	<160	<160	**1,100**	**1,300**	**1,500**	**1,200**	**1,300**	**1,200**	**1,200**
EVE Acid	<17	<17	<40	<40	<50	<50	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50
Hydro-EVE Acid	<14	<14	<24	<24	<30	<30	<30	**46**	**84**	**79**	**73**	**73**	**98**	**96**
R-EVE	<72	**86 J**	**49 J**	**66 J**	**66 J**	**46 J**	<39	**450 J**	**430 J**	**220 J**	**420 J**	**300 J**	**700 J**	**440 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<29	<29	<36	<36	<36	<6.7	<6.7	**6.3**	<29	<36	<36	<36
PFECA B	<27	<27	<62	<62	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78
PFECA-G	<48	<48	<29	<29	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36
PFPrA	--	--	**1,400**	**1,500**	**1,400**	**1,300**	**1,200**	--	--	**76,000**	**84,000**	**72,000 J**	**64,000**	**65,000**
Total Table 3+ (17 compounds)[2,3]	**3,280**	**4,830**	**4,650**	**3,610**	**4,920**	**3,130**	**3,360**	**202,000**	**226,000**	**212,000**	**243,000**	**217,000**	**180,000**	**214,000**
Total Table 3+ (18 compounds)[2,4]	--	--	**6,050**	**5,110**	**6,320**	**4,430**	**4,560**	--	--	**288,000**	**327,000**	**289,000**	**244,000**	**279,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**6,180**	**5,180**	**6,520**	**4,550**	**4,560**	--	--	**290,000**	**330,000**	**291,000**	**247,000**	**282,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)							Performance Monitoring Plan Sampling Program (Semi-Annually)						
	SMW-12							OW-4R			OW-30			
	CAP1Q23-SMW-12-022323 Sample Date: 23-Feb-23	CAP2Q23-SMW-12-051723 Sample Date: 17-May-23	CAP3Q23-SMW-12-071823 Sample Date: 18-Jul-23	CAP4Q23-SMW-12-110823 Sample Date: 8-Nov-23	CAP1Q24-SMW-12-011624 Sample Date: 16-Jan-24	CAP2Q24-SMW-12-041024 Sample Date: 10-Apr-24	CAP3Q24-SMW-12-071624 Sample Date: 16-Jul-24	CAP3Q23-OW-4R-080423 Sample Date: 4-Aug-23	CAP1Q24-OW-4R-012924 Sample Date: 29-Jan-24	CAP3Q24-OW-4R-072424 Sample Date: 24-Jul-24	CAP1Q23-OW-30-021523 Sample Date: 15-Feb-23	CAP3Q23-OW-30-071323 Sample Date: 13-Jul-23	CAP1Q24-OW-30-013024 Sample Date: 30-Jan-24	CAP3Q24-OW-30-071624 Sample Date: 16-Jul-24
Hfpo Dimer Acid	**1,500**	**1,900**	**2,200**	**1,900**	**1,900**	**2,300**	**2,300**	**11,000**	**9,400**	**11,000**	**9,500**	**6,200**	**5,900**	**8,200**
PFMOAA	**2,900**	**5,100**	**5,800**	**8,300**	**9,600**	**7,100**	**9,100**	**42,000**	**35,000**	**38,000**	**32,000**	**27,000**	**21,000**	**30,000**
PFO2HxA	**1,200**	**1,900**	**3,500**	**4,200**	**3,200**	**3,300**	**2,900**	**17,000**	**13,000**	**16,000**	**12,000**	**11,000**	**8,300**	**12,000**
PFO3OA	**78**	**150**	**230**	**420**	**490**	**370**	**320**	**5,400**	**3,100**	**5,600**	**2,100**	**1,700**	**1,300**	**1,500**
PFO4DA	<59	<59	<36	<40	<50	<50	<50	**1,800**	**1,200**	**2,000**	<59	**8.9**	<50	<50
PFO5DA	<78	<78	<91	<100	<130	<130	<130	<100	<130	<130	<78	<2.0	<130	<130
PMPA	**2,300**	**2,900**	**2,600**	**1,700**	**1,900**	**2,600**	**2,700**	**8,600**	**5,700**	**7,700**	**4,300**	**4,400**	**3,200**	**4,900**
PEPA	**460**	**550**	**620**	**340**	**300**	**400**	**410**	**2,700**	**1,900**	**2,200**	**1,300**	**1,300**	**900**	**1,200**
PS Acid	<20	<20	<36	<40	<50	<50	<50	<40	<50 UJ	<50	<20	<2.0	<50 UJ	<50
Hydro-PS Acid	<6.1	<6.1	<40	<44	<55	<55	<55	**290**	**250**	**280**	<6.1	<2.0	<55	<55
R-PSDA	**150 J**	<71	**87 J**	**76 B**	**65 J**	**99 J**	**71 J**	**760 J**	**570 J**	**790 J**	**460 J**	**330 J**	**340 J**	**500 J**
Hydrolyzed PSDA	<38	<38	<25	<27	<34	<34	<34	**3,100 J**	**2,300 J**	**3,200 J**	**760 J**	**570 J**	**520 J**	**690 J**
R-PSDCA	<17	<17	<130	<140	<180	<180	<180	<140	<180	<180	<17	<3.0	<180	<180
NVHOS, Acid Form	48	<15	<120	<130	<160	<160	<160	**580**	**480**	**530**	**370**	**220**	**270**	**400**
EVE Acid	<17	<17	<36	<40	<50	<50	<50	<40	<50 UJ	<50	<17	<2.0	<50 UJ	<50
Hydro-EVE Acid	<14	<14	<22	<24	<30	<30	<30	**1,100**	**890**	**920**	**24**	**12**	<30	**47**
R-EVE	**97 J**	<72	**69 J**	**67 J**	**45 J**	**74 J**	**70 J**	**630 J**	**390 J**	**610 J**	**410 J**	**290 J**	**270 J**	**540 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<26	<29	<36	<36	<36	<29	<36	<36	<6.7	<2.0	<36	<36
PFECA B	<27	<27	<56	<62	<78	<78	<78	<62	<78	<78	<27	<2.0	<78	<78
PFECA-G	<48	<48	<26	<29	<36	<36	<36	<29	<36	<36	<48	<2.0	<36	<36
PFPrA	--	--	**5,900**	**7,000**	**6,400 J**	**5,900**	**6,500**	**25,000**	**21,000**	**23,000**	--	**19,000**	**16,000**	**21,000**
Total Table 3+ (17 compounds)[2,3]	**8,490**	**12,500**	**15,000**	**16,900**	**17,400**	**16,100**	**17,700**	**90,500**	**70,900**	**84,200**	**61,600**	**51,800**	**40,900**	**58,200**
Total Table 3+ (18 compounds)[2,4]	--	--	**20,900**	**23,900**	**23,800**	**22,000**	**24,200**	**115,000**	**91,900**	**107,000**	--	**70,800**	**56,900**	**79,200**
Total Table 3+ (21 compounds)[2,5]	--	--	**21,000**	**24,000**	**23,900**	**22,100**	**24,400**	**120,000**	**95,200**	**112,000**	--	**72,000**	**58,000**	**81,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Wells OW-4R, OW-32, OW-37, and OW-51 were installed between late June 2023 and August 2023, so were unavailable for sampling before 3Q 2023.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)																
	OW-32			OW-37			OW-40				OW-51			OW-54			
	CAP3Q23-OW-32-090823 Sample Date: 8-Sep-23	CAP1Q24-OW-32-012924 Sample Date: 29-Jan-24	CAP3Q24-OW-32-071824 Sample Date: 18-Jul-24	CAP3Q23-OW-37-081023 Sample Date: 10-Aug-23	CAP1Q24-OW-37-011724 Sample Date: 17-Jan-24	CAP3Q24-OW-37-071824 Sample Date: 18-Jul-24	CAP1Q23-OW-40-021523 Sample Date: 15-Feb-23	CAP3Q23-OW-40-071323 Sample Date: 13-Jul-23	CAP1Q24-OW-40-013024 Sample Date: 30-Jan-24	CAP3Q24-OW-40-071624 Sample Date: 16-Jul-24	CAP3Q23-OW-51-080323 Sample Date: 3-Aug-23	CAP1Q24-OW-51-013124 Sample Date: 31-Jan-24	CAP3Q24-OW-51-073024 Sample Date: 30-Jul-24	CAP1Q23-OW-54-021623 Sample Date: 16-Feb-23	Not Sampled in 3Q 2023 (Dry)	CAP1Q24-OW-54-020624 Sample Date: 6-Feb-24	Not Sampled in 3Q 2024 (Dry)
Hfpo Dimer Acid	**580**	**3200**	**4,900**	**4,000 J**	**290**	**12,000**	**5,200**	**3,300**	**3,400**	**3,000**	**33,000**	**11,000**	**16,000**	**4,500**	--	**740**	--
PFMOAA	**1,800**	**14,000**	**24,000**	**15,000 J**	**1,100**	**36,000**	**6,900**	**7,000**	**6,100**	**11,000**	**140,000**	**43,000**	**61,000**	**360**	--	**250**	--
PFO2HxA	**790**	**4500**	**11,000**	**5,900 J**	**690**	**11,000**	**4,200**	**4,700**	**3,200**	**4,100**	**64,000**	**19,000**	**28,000**	**2,600**	--	**690**	--
PFO3OA	**130**	**1200**	**1,800**	**2,600 J**	**260**	**3,000**	**1,100**	**1,400**	**650**	**870**	**23,000**	**6,500**	**7,400**	**410**	--	<110	--
PFO4DA	<40	100	**190**	**3,900 J**	**140**	**840**	**130**	**170**	**130**	**100**	**4,800**	**1,100**	**1,600**	**230**	--	**110**	--
PFO5DA	<100	<130	<130	**140 J**	**420**	<130	<78	<2.0	<130	<2.0	<100	<130	<130	<78	--	<130	--
PMPA	**260**	**1800**	**3,800**	**2,000 J**	**200**	**5,100**	**4,300**	**4,400**	**3,700**	**4,200**	**9,400**	**3,200**	**6,000**	**2,600**	--	**760**	--
PEPA	**83**	**460**	**1,000**	**580 J**	**79**	**1,600**	**1,600**	**1,900**	**1,100**	**1,100**	**1,900**	**720**	**1,600**	**1,000**	--	**200**	--
PS Acid	<40	<50 UJ	<50	<40 UJ	<50	<50	<20	<2.0	<50 UJ	<2.0	<40	<50 UJ	<50	<20	--	<50 UJ	--
Hydro-PS Acid	<44	<55	<55	**370 J**	**110**	**200**	**35**	**44**	<55	**32**	**660**	**150**	**140**	**120**	--	<55	--
R-PSDA	**44 J**	**220 J**	**390 J**	**1,500 J**	**100 J**	**560 J**	<71	**200 J**	**200 J**	**230 J**	**1,900 J**	**650 J**	**1,400 J**	<71	--	**78 J**	--
Hydrolyzed PSDA	**100 J**	**650 J**	**1,000 J**	**1,200 J**	**83 J**	**150 J**	**160 J**	**130 J**	**65 J**	**240 J**	**4,300 J**	**1,400 J**	**3,400 J**	<38	--	<34	--
R-PSDCA	<140	<180	<180	<140 UJ	<180	<180	<17	<3.0	<180	<3.0	<140	<180	<180	<17	--	<180	--
NVHOS, Acid Form	<130	**220**	**310**	**170 J**	<160	**490**	**130**	**90**	<160	**130**	**1,800**	**620**	**900**	<15	--	<160	--
EVE Acid	<40	<50 UJ	<50	<40 UJ	<50	<50	<17	<2.0	<50 UJ	<2.0	<40	<50 UJ	<50	<17	--	<50 UJ	--
Hydro-EVE Acid	<24	**70**	**150**	**120 J**	<30	**91**	**94**	**99**	**67**	**56**	**2,400**	**550**	**930**	<14	--	<30	--
R-EVE	**36 J**	**140 J**	**280 J**	**390 J**	<39	**290 J**	**170 J**	**240 J**	**100 J**	**300 J**	**2,600 J**	**700 J**	**1,700 J**	<72	--	**42 J**	--
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	<36	<36	<29 UJ	<36	<36	<6.7	<2.0	<36	<2.0	<29	<36	<36	<6.7	--	<36	--
PFECA B	<62	<78	<78	<62 UJ	<78	<78	<27	<2.0	<78	<2.0	<62	<78	<78	<27	--	<78	--
PFECA-G	<29	<36	<36	<29 UJ	<36	<36	<48	<2.0	<36	<2.0	<29	<36	<36	<48	--	<36	--
PFPrA	**990**	**7200**	**11,000**	**8,200 J**	**1,800**	**19,000**	--	**5,700**	**5,400**	**7,300**	**92,000**	**31,000**	**30,000**	--	--	**1,400**	--
Total Table 3+ (17 compounds)[2,3]	**3,640**	**25,600**	**47,200**	**34,800**	**3,290**	**70,300**	**23,700**	**23,100**	**18,300**	**24,600**	**281,000**	**85,800**	**124,000**	**11,800**	--	**2,750**	--
Total Table 3+ (18 compounds)[2,4]	**4,630**	**32,800**	**58,200**	**43,000**	**5,090**	**89,300**	--	**28,800**	**23,700**	**31,900**	**373,000**	**117,000**	**154,000**	--	--	**4,150**	--
Total Table 3+ (21 compounds)[2,5]	**4,810**	**33,800**	**59,800**	**46,100**	**5,270**	**90,300**	--	**29,400**	**24,100**	**32,700**	**382,000**	**120,000**	**160,000**	--	--	**4,270**	--

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)														
	OW-55				OW-56				OW-57				PIW-4D		
	CAP1Q23-OW-55-021623	CAP3Q23-OW-55-072523	CAP1Q24-OW-55-020524	CAP3Q24-OW-55-071824	CAP1Q23-OW-56-022123	CAP3Q23-OW-56-073123	CAP1Q24-OW-56-020124	CAP3Q24-OW-56-072324	CAP1Q23-OW-57-021523	CAP3Q23-OW-57-073123	CAP1Q24-OW-57-020624	CAP3Q24-OW-57-072524	CAP3Q23-PIW-4D-071323	CAP1Q24-PIW-4D-012224	CAP3Q24-PIW-4D-072324
	Sample Date: 16-Feb-23	Sample Date: 25-Jul-23	Sample Date: 5-Feb-24	Sample Date: 18-Jul-24	Sample Date: 21-Feb-23	Sample Date: 31-Jul-23	Sample Date: 1-Feb-24	Sample Date: 23-Jul-24	Sample Date: 15-Feb-23	Sample Date: 31-Jul-23	Sample Date: 6-Feb-24	Sample Date: 25-Jul-24	Sample Date: 13-Jul-23	Sample Date: 22-Jan-24	Sample Date: 23-Jul-24
Hfpo Dimer Acid	**1,800**	**1,800**	**1,600**	**1,100**	**4,200**	**3,300**	**2,200**	**2,000**	**11,000**	**11,000**	**11,000**	**13,000**	**140**	**320**	**1,900**
PFMOAA	**220**	**300**	**550**	**660**	**350**	**520**	**420**	**530**	**130,000**	**130,000**	**130,000**	**140,000**	**1,300**	**1,900**	**8,200**
PFO2HxA	**690**	**940**	**820**	**790**	**1,800**	**2,100**	**1,300**	**1,500**	**36,000**	**37,000**	**37,000**	**43,000**	**470**	**1100**	**3,600**
PFO3OA	**58**	<89	<110	<110	**200**	**260**	**220**	**210**	**8,600**	**7,700**	**6,700**	**9,400**	**47**	**110**	**880**
PFO4DA	<59	<40	<50	<50	<59	<40	<50	<50	**1,100**	**1,000**	**1,000**	**1,200**	<2.0	5.3	**58**
PFO5DA	<78	<100	<130	<130	<78	<100	<130	<130	<78	<100	<130	<130	<2.0	<2.0	<130
PMPA	**2,800**	**3,800**	**1,800**	**1,200**	**2,600**	**2,800**	**1,500**	**1,400**	**22,000**	**21,000**	**16,000**	**20,000**	**150**	**290**	**1,600**
PEPA	**740**	**890**	**470**	**290**	**990**	**1,100**	**530**	**540**	**5,100**	**4,700**	**3,800**	**4,600**	**37**	**71**	**480**
PS Acid	<20	<40	<50 UJ	<50	<20	<40	<50 UJ	<50	**770**	**360**	**330 J**	**390**	<2.0	<2.0	<50
Hydro-PS Acid	<6.1	<44	<55	<55	**120**	**150**	**100**	**110**	**220**	**260**	**240**	**290**	<2.0	<2.0	<55
R-PSDA	<71	**140 J**	**100 J**	**100 J**	**310 J**	**150 J**	**140 J**	**150 J**	**970 J**	**1,200 J**	**1,200 J**	**1,500 J**	**8.9 J**	**20 J**	**140 J**
Hydrolyzed PSDA	<38	<27	<34	<34	<38	<27	<34	<34	**16,000 J**	**14,000 J**	**15,000 J**	**23,000 J**	**25 J**	**80 J**	**620 J**
R-PSDCA	<17	<140	<180	<180	<17	<140	<180	<180	**17**	<140	<180	<180	<3.0	<3.0	<180
NVHOS, Acid Form	<15	<130	<160	<160	**110**	<130	<160	<160	**2,000**	**2,400**	**2,200**	**2,400**	**11**	**19**	<160
EVE Acid	<17	<40	<50 UJ	<50	<17	<40	<50 UJ	<50	<17	<40	<50 UJ	<50	<2.0	<2.0	<50
Hydro-EVE Acid	<14	<24	<30	<30	<14	<24	<30	<30	**200**	**210**	**180**	**190**	<2.0	<2.0	<30
R-EVE	**160 J**	**180 J**	**85 J**	**63 J**	**190 J**	**120 J**	**110 J**	**120 J**	**240 J**	**180 J**	**210 J**	**290 J**	**6.2 J**	**12 J**	**97 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<29	<36	<36	<6.7	<29	<36	<36	<6.7	<29	<36	<36	<2.0	<2.0	<36
PFECA B	<27	<62	<78	<78	<27	<62	<78	<78	<27	<62	<78	<78	<2.0	<2.0	<78
PFECA-G	<48	<29	<36	<36	<48	<29	<36	<36	<48	<29	<36	<36	<2.0	<2.0	<36
PFPrA	**--**	**2,900**	**1,700**	**940**	**--**	**2,200**	**1,500**	**1,200**	**--**	**44,000**	**48,000**	**48,000**	**880**	**1300**	**4,900**
Total Table 3+ (17 compounds)[2,3]	**6,310**	**7,730**	**5,240**	**4,040**	**10,400**	**10,200**	**6,270**	**6,290**	**217,000**	**216,000**	**208,000**	**234,000**	**2,160**	**3,820**	**16,700**
Total Table 3+ (18 compounds)[2,4]	**--**	**10,600**	**6,940**	**4,980**	**--**	**12,400**	**7,770**	**7,490**	**--**	**260,000**	**256,000**	**282,000**	**3,040**	**5,120**	**21,600**
Total Table 3+ (21 compounds)[2,5]	**--**	**11,000**	**7,130**	**5,140**	**--**	**12,700**	**8,020**	**7,760**	**--**	**275,000**	**273,000**	**307,000**	**3,080**	**5,230**	**22,500**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)																	
	PIW-5SR			PIW-6S			PIW-8D			PIW-10DR			PIW-10S			PIW-11		
	CAP3Q23-PIW-5SR-080423 Sample Date: 4-Aug-23	Not Sampled in 1Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP3Q23-PIW-6S-071223 Sample Date: 12-Jul-23	CAP1Q24-PIW-6S-013124 Sample Date: 31-Jan-24	CAP3Q24-PIW-6S-072924 Sample Date: 29-Jul-24	CAP3Q23-PIW-8D-071123 Sample Date: 11-Jul-23	CAP1Q24-PIW-8D-012224 Sample Date: 22-Jan-24	CAP3Q24-PIW-8D-072524 Sample Date: 25-Jul-24	CAP3Q23-PIW-10DR-071423 Sample Date: 14-Jul-23	CAP1Q24-PIW-10DR-012224 Sample Date: 22-Jan-24	CAP3Q24-PIW-10DR-072524 Sample Date: 25-Jul-24	CAP3Q23-PIW-10S-071323 Sample Date: 13-Jul-23	Not Sampled in 1Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP3Q23-PIW-11-073123 Sample Date: 31-Jul-23	CAP1Q24-PIW-11-020124 Sample Date: 1-Feb-24	CAP3Q24-PIW-11-071824 Sample Date: 18-Jul-24
Hfpo Dimer Acid	**24,000**	--	--	**8,400**	**9,500**	**11,000**	**12,000 J**	**46,000**	**50,000**	**6,600**	**8,300**	**9,400**	**3,800**	--	--	**3,500**	**1,400**	**3,400**
PFMOAA	**44,000**	--	--	**150,000 J**	**100,000**	**120,000**	**72,000 J**	**190,000**	**180,000**	**51,000 J**	**31,000**	**27,000**	**3,700**	--	--	**1,600**	**2,100**	**470**
PFO2HxA	**28,000**	--	--	**61,000 J**	**29,000**	**39,000**	**34,000 J**	**110,000**	**86,000**	**19,000**	**14,000**	**12,000**	**4,400**	--	--	**2,600**	**1,000**	**2,100**
PFO3OA	**7,000**	--	--	**5,500**	**4,100**	**7,500**	**14,000**	**43,000**	**37,000**	**5,800**	**4,800**	**4,700**	**800**	--	--	**420**	**230**	**290**
PFO4DA	**2,200**	--	--	**200**	**180**	**240**	**2,300**	**5,300**	**9,200**	**1,500**	**930**	**1,000**	**340**	--	--	**46**	<50	<50
PFO5DA	**690**	--	--	<2.0	<130	<130	<2.0	<130	<130	**4**	<130	<130	**6.8**	--	--	<100	<130	<130
PMPA	**32,000**	--	--	**16,000**	**11,000**	**14,000**	**8,600**	**19,000**	**15,000**	**6,600**	**6,700**	**4,900**	**4,500**	--	--	**3,100**	**1,400**	**2,700**
PEPA	**15,000**	--	--	**3,400**	**2,300**	**3,400**	**2,500**	**5,500**	**4,200**	**2,400**	**2,300**	**1,900**	**2,100**	--	--	**1,000**	**320**	**770**
PS Acid	**40**	--	--	<2.0	<50 UJ	<50	<2.0	<50	<50	<2.0	<50	<50	<2.0	--	--	<40	<50 UJ	<50
Hydro-PS Acid	**140**	--	--	**25**	<55	<55	**350**	**1200**	**980**	**210**	**200**	**180**	**67**	--	--	<44	<55	<55
R-PSDA	**1,600 J**	--	--	**820 J**	**730 J**	**890 J**	**1,000 J**	**2,600 J**	**2,700 J**	**690 J**	**610 J**	**620 J**	**160 J**	--	--	**240 J**	**230 J**	**190 J**
Hydrolyzed PSDA	**1,700 J**	--	--	**4,100 J**	**4,300 J**	**5,900 J**	**2,600 J**	**5,300 J**	**5,100 J**	**2,700 J**	**2,300 J**	**2,300 J**	<2.0	--	--	**1,500 J**	**2,800 J**	**43 J**
R-PSDCA	<140	--	--	<3.0	<180	<180	**25**	<180	<180	**9.9**	<180	<180	<3.0	--	--	<140	<180	<180
NVHOS, Acid Form	**640**	--	--	**1,800**	**1,300**	**1,300**	**1,100**	**2,500**	**2,400**	**390**	**390**	**350**	**62**	--	--	<130	<160	<160
EVE Acid	<40	--	--	<2.0	<50 UJ	<50	<2.0	<50	<50	<2.0	<50	<50	<2.0	--	--	<40	<50 UJ	<50
Hydro-EVE Acid	**190**	--	--	**54**	**40**	**54**	**1,200**	**3,500**	**2,800**	**910**	**640**	**600**	**14**	--	--	<24	<30	<30
R-EVE	**1,300 J**	--	--	**230 J**	**360 J**	**490 J**	**1,300 J**	**2,300 J**	**2,800 J**	**250 J**	**400 J**	**490 J**	**230 J**	--	--	**130 J**	**77 J**	**130 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	--	--	**7.1**	<36	<36	**13**	<36	<36	**3.9**	<36	<36	<2.0	--	--	<29	<36	<36
PFECA B	<62	--	--	<2.0	<78	<78	<2.0	<78	<78	<2.0	<78	<78	<2.0	--	--	<62	<78	<78
PFECA-G	<29	--	--	<2.0	<36	<36	<2.0	<36	<36	<2.0	<36	<36	<2.0	--	--	<29	<36	<36
PFPrA	**44,000**	--	--	**64,000 J**	**54,000**	**45,000**	**57,000**	**120,000**	**110,000**	**26,000**	**18,000**	**17,000**	**5,300**	--	--	**3,400**	**2,200**	**2,700**
Total Table 3+ (17 compounds)[2,3]	**154,000**	--	--	**246,000**	**157,000**	**196,000**	**148,000**	**426,000**	**388,000**	**94,400**	**69,300**	**62,000**	**19,800**	--	--	**12,300**	**6,450**	**9,730**
Total Table 3+ (18 compounds)[2,4]	**198,000**	--	--	**310,000**	**211,000**	**241,000**	**205,000**	**546,000**	**498,000**	**120,000**	**87,300**	**79,000**	**25,100**	--	--	**15,700**	**8,650**	**12,400**
Total Table 3+ (21 compounds)[2,5]	**203,000**	--	--	**316,000**	**217,000**	**249,000**	**210,000**	**556,000**	**508,000**	**124,000**	**90,600**	**82,400**	**25,500**	--	--	**17,500**	**11,800**	**12,800**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)									Corrective Action Plan Sampling Program (Annually)						
	PIW-15			PW-10RR			PW-11			PIW-12		PIW-13			PIW-14	
	CAP3Q23-PIW-15-072523	CAP1Q24-PIW-15-020524	CAP3Q24-PIW-15-090324	CAP3Q23-PW-10RR-080323	CAP1Q24-PW-10RR-013124	CAP3Q24-PW-10RR-073024	CAP3Q23-PW-11-070723	CAP1Q24-PW-11-013124	CAP3Q24-PW-11-072424	CAP3Q23-PIW-12-072423	CAP3Q24-PIW-12-071824	CAP3Q23-PIW-13-072423	CAP3Q24-PIW-13-071824	CAP3Q24-PIW-13-080524	CAP3Q23-PIW-14-072423	CAP3Q24-PIW-14-080524
	Sample Date: 25-Jul-23	Sample Date: 5-Feb-24	Sample Date: 3-Sep-24	Sample Date: 3-Aug-23	Sample Date: 31-Jan-24	Sample Date: 30-Jul-24	Sample Date: 7-Jul-23	Sample Date: 31-Jan-24	Sample Date: 24-Jul-24	Sample Date: 24-Jul-23	Sample Date: 18-Jul-24	Sample Date: 24-Jul-23	Sample Date: 18-Jul-24	Sample Date: 5-Aug-24	Sample Date: 24-Jul-23	Sample Date: 5-Aug-24
Hfpo Dimer Acid	**7,800**	**8,200**	**9,200**	**6,700**	**4,000**	**3,600**	**6,900**	**6,800**	**8,800**	**1,800**	**1,400**	**3,100**	**4,600**	**4,400**	**6,200**	**6,100**
PFMOAA	**8,700**	**9,200**	**8,500**	**93,000**	**59,000**	**62,000**	**54,000 J**	**29,000**	**36,000**	**490**	**530**	**520**	**570**	**510**	**1,000**	**1,500**
PFO2HxA	**7,000**	**6,800**	**8,000**	**26,000**	**14,000**	**15,000**	**28,000**	**11,000**	**14,000**	**1,200**	**900**	**2,100**	**3,300**	**2,400**	**3,800**	**3,900**
PFO3OA	**1,200**	**1,300**	**1,200**	**1,300**	**410**	**510**	**7,300**	**5,000**	**8,800**	**190**	**130**	**250**	**300**	**310**	**520**	**570**
PFO4DA	**65**	**100**	**100**	<40	<50	<50	**4,500**	**4,200**	**7,300**	**41**	<50	<40	58	**53**	160	**160**
PFO5DA	<100	<130	<130	<100	<130	<130	**1,600**	**1,300**	**1,900**	<100	<130	<100	<130	<130	<100	<130
PMPA	**8,400**	**6,300**	**8,200**	**4,400**	**2,200**	**2,400**	**7,800**	**3,000**	**4,300**	**2,300**	**1,600**	**4,200**	**3,800**	**3,600**	**5,000**	**4,800**
PEPA	**2,400**	**1,900**	**2,500**	**590**	**150**	**190**	**2,200**	**910**	**1,500**	**640**	**330**	**1,100**	**1,200**	**1,200**	**1,600**	**1,500**
PS Acid	<40	<50 UJ	<50	<40	<50 UJ	<50	**1,400**	**97 J**	**92**	<40	<50	<40	<50	<50	<40	<50
Hydro-PS Acid	<44	<55	<55	<44	<55	<55	**840**	**440**	**630**	<44	<55	<44	<55	<55	<44	<55
R-PSDA	**250 J**	**190 J**	**180 J**	**180 J**	**84 J**	<35	**850 J**	**300 J**	**490 J**	**130 J**	**75 J**	**260 J**	**340 J**	**230 J**	**310 J**	**280 J**
Hydrolyzed PSDA	<27	<34	<34	**220 J**	**84 J**	**95 J**	**7,900 J**	**850 J**	**1,300 J**	<27	<34	<27	<34	<34	<27	<34
R-PSDCA	<140	<180	<180	<140	<180	<180	**24**	<180	<180	<140	<180	<140	<180	<180	<140	<180
NVHOS, Acid Form	**130**	<160	<160	**850**	**510**	**460**	**850**	**510**	**690**	<130	<160	<130	<160	<160	<130	<160
EVE Acid	<40	<50 UJ	<50	<40	<50 UJ	<50	**47**	<50 UJ	<50	<40	<50	<40	<50	<50	<40	<50
Hydro-EVE Acid	<24	<30	<30	<24	<30	<30	**620**	**240**	**350**	<24	<30	<24	<30	<30	<24	<30
R-EVE	**200 J**	**130 J**	**150 J**	**240 J**	**120 J**	**120 J**	**360 J**	**110 J**	**200 J**	**130 J**	**57 J**	**260 J**	**230 J**	**230 J**	**230 J**	**240 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	<36	<36	<29	<36	<36	<2.0	<36	<36	<29	<36	<29	<36	<36	<29	<36
PFECA B	<62	<78	<78	<62	<78	<78	<2.0	<78	<78	<62	<78	<62	<78	<78	<62	<78
PFECA-G	<29	<36	<36	<29	<36	<36	<2.0	<36	<36	<29	<36	<29	<36	<36	<29	<36
PFPrA	**14,000**	**10,000**	**9,600**	**60,000**	**41,000**	**37,000**	**25,000**	**14,000**	**15,000**	**2,800**	**1,400**	**4,600**	**3,300**	**2,900**	**6,700**	**4,600**
Total Table 3+ (17 compounds)[2,3]	**35,700**	**33,800**	**37,700**	**133,000**	**80,300**	**84,200**	**116,000**	**62,500**	**84,400**	**6,660**	**4,890**	**11,300**	**13,800**	**12,500**	**18,300**	**18,500**
Total Table 3+ (18 compounds)[2,4]	**49,700**	**43,800**	**47,300**	**193,000**	**121,000**	**121,000**	**141,000**	**76,500**	**99,400**	**9,460**	**6,290**	**15,900**	**17,100**	**15,400**	**25,000**	**23,100**
Total Table 3+ (21 compounds)[2,5]	**50,100**	**44,100**	**47,600**	**193,000**	**122,000**	**121,000**	**150,000**	**77,800**	**101,000**	**9,720**	**6,420**	**16,400**	**17,700**	**15,800**	**25,500**	**23,700**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	LTW-01							**LTW-02**						
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**CAP1Q23-LTW-01-021623** Sample Date: 16-Feb-23	**CAP2Q23-LTW-01-051723** Sample Date: 17-May-23	**CAP3Q23-LTW-01-071323** Sample Date: 13-Jul-23	**CAP4Q23-LTW-01-110323** Sample Date: 3-Nov-23	**CAP1Q24-LTW-01-011724** Sample Date: 17-Jan-24	**CAP2Q24-LTW-01-041524** Sample Date: 15-Apr-24	**CAP3Q24-LTW-01-072624** Sample Date: 26-Jul-24	**CAP1Q23-LTW-02-021623** Sample Date: 16-Feb-23	**CAP2Q23-LTW-02-051723** Sample Date: 17-May-23	**CAP3Q23-LTW-02-071223** Sample Date: 12-Jul-23	**CAP4Q23-LTW-02-110323** Sample Date: 3-Nov-23	**CAP1Q24-LTW-02-011724** Sample Date: 17-Jan-24	**CAP2Q24-LTW-02-041524** Sample Date: 15-Apr-24	**CAP3Q24-LTW-02-071824** Sample Date: 18-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<84	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<58	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<180	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<310	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30
DONA	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<50	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<160	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<110	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<54	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<150	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	**4.2**	**4.7 J**	**3.6**	<20	<25	<25	<25	<2.0	<2.0 UJ	<2.0	<20	<25	<25	<25
Perfluorobutanoic Acid	**170**	**110 J**	**120**	<240	<300	<300	<300	**30**	**61 J**	**86**	<240	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<39	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<120	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<69	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<24	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<24
Perfluoroheptanoic Acid	**46**	**48 J**	**44**	**47 J**	**40**	**42**	**41**	**4.7**	**11 J**	**11**	<25	<31	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<110	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	**6**	**6.3 J**	**5.2**	<57	<71	<71	<71	<2.0	<2.0 UJ	<2.0	<57	<71	<71	<71
Perfluorohexanoic Acid	**22**	**23 J**	**23**	<58	<73	<73	<73	**3.3**	**8.4 J**	**11**	<58	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<46	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<46
Perfluorononanoic Acid	<2.0	**2.3 J**	<2.0	<27	<34	<34	<34	<2.0	<2.0 UJ	<2.0	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0	<94	<120	<120	<120	<2.0	<2.0 UJ	<2.0	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<120	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<38	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<38
Perfluoropentanoic Acid	**320**	**250 J**	**260**	**330**	**220**	**310**	**280**	**99**	**190 J**	**250**	**300**	**320**	**370**	**390**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<91	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<160	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<140	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<140
PFOA	**41**	**49 J**	**39**	<85	<110	<110	<110	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110
PFOS	**9.9 J**	**22 J**	**11 J**	<54	<68	<68	<68	<2.0	<2.0 UJ	<2.0	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	LTW-03							**LTW-04**						
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**CAP1Q23-LTW-03-022123** Sample Date: 21-Feb-23	**CAP2Q23-LTW-03-052323** Sample Date: 23-May-23	**CAP3Q23-LTW-03-071223** Sample Date: 12-Jul-23	**CAP4Q23-LTW-03-111323** Sample Date: 12-Jul-23	**CAP1Q24-LTW-03-013124** Sample Date: 31-Jan-24	**CAP2Q24-LTW-03-041524** Sample Date: 15-Apr-24	**CAP3Q24-LTW-03-072924** Sample Date: 29-Jul-24	**CAP1Q23-LTW-04-021723** Sample Date: 17-Feb-23	**CAP2Q23-LTW-04-052323** Sample Date: 23-May-23	**CAP3Q23-LTW-04-071123** Sample Date: 11-Jul-23	**CAP4Q23-LTW-04-110223** Sample Date: 2-Nov-23	**CAP1Q24-LTW-04-011624** Sample Date: 16-Jan-24	**CAP2Q24-LTW-04-041024** Sample Date: 10-Apr-24	**CAP3Q24-LTW-04-072424** Sample Date: 24-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<310	<310	<310	<5.0	<5.0	<5.0	<250	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
DONA	<2.0	<2.0	<2.0	<2.0	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<110	<110 UJ	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<25	<25	<25	<2.0	**2.2**	<2.0	<20	<25	<25	<25
Perfluorobutanoic Acid	**130**	**120**	**130**	**120**	<300	<300	<300	**310**	**230**	**290**	**330**	<300	**380**	**320**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24
Perfluoroheptanoic Acid	**26**	**28**	**25**	**24**	<31	<31	<31	**66**	**52**	**60**	**60**	**68**	**53**	**58**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<71	<71	<71	<2.0	**3.3**	<2.0	<57	<71	<71	<71
Perfluorohexanoic Acid	**16**	**17**	**16**	**17**	<73	<73	<73	**35**	**33**	**34**	<58	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<34	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<120 UJ	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38
Perfluoropentanoic Acid	**600**	**690**	**750**	**610**	**560 J**	**640**	**640**	**1,200**	**1,100**	**1,400**	**1,200**	**1,100**	**1,300**	**1,200**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<140	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140
PFOA	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	**10**	**11**	**10**	<85	<110	<110	<110
PFOS	<2.0	<2.0	<2.0	<2.0	<68	<68	<68	<2.0	<2.0	<2.0	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	LTW-05							**OW-28**						
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP1Q23-LTW-05-021523** Sample Dste: 15-Feb-23	**CAP2Q23-LTW-05-052223** Sample Date 22-May-23	**CAP3Q23-LTW-05-071123** Sample Date: 11-Jul-23	**CAP4Q23-LTW-05-110223** Sample Date: 2-Nov-23	**CAP1Q24-LTW-05-011524** Sample Date: 15-Jan-24	**CAP2Q24-LTW-05-041024** Sample Date: 10-Apr-24	**CAP3Q24-LTW-5-072524** Sample Date: 25-Jul-24	**CAP1Q23-OW-28-022023** Sample Date: 20-Feb-23	**CAP2Q23-OW-28-052523** Sample Date: 25-May-23	**CAP3Q23-OW-28-071123** Sample Date: 11-Jul-23	**CAP4Q23-OW-28-110223** Sample Date: 2-Nov-23	**CAP4Q23-OW-28-011824** Sample Date: 18-Jan-24	**CAP2Q24-OW-28-041624** Sample Date: 16-Apr-24	**CAP3Q24-OW-28-071824** Sample Date: 18-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<67	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<32	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<46	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<24	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<85	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<140	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<250	<310	<310	<310	<5.0	<5.0	<5.0	<250	**880**	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<2.0	<24	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
DONA	<2.0	<2.0	<2.0	<40	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<130	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<43	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<120	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<20	<25	<25	<25	<2.0	**2**	<2.0	<20	<25	<25	<25
Perfluorobutanoic Acid	**230**	**170**	**170**	**270**	**420**	**340**	**320**	**51**	**51**	**46**	<240	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<32	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<31	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<97	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<55	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<19	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24
Perfluoroheptanoic Acid	**210**	**200**	**210**	**250**	**310**	**260**	**270**	**7.2**	**7.3**	**6.5**	<25	<31	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<89	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<57	<71	<71	<71	<2.0	<2.0	<2.0	<57	<71	<71	<71
Perfluorohexanoic Acid	**38**	**52**	**43**	**66**	**99**	**110**	<73	**9.9**	**12**	**9.1**	<58	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<37	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<27	<34	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<94	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<98	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<30	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38
Perfluoropentanoic Acid	**1,300**	**1,700**	**1,600**	**2,300**	**2,700**	**2,300**	**2,600**	**68**	**75**	**73**	**49**	**69**	**79**	**66**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<73	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<130	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<110	<140	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140
PFOA	**4.1**	**4.1**	**2.1**	<85	<110	<110	<110	**4.3**	**4**	**3.3**	<85	<110	<110	<110
PFOS	<2.0	<2.0	<2.0	<54	<68	<68	<68	<2.0	<2.0	<2.0	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	OW-33							PIW-1D						
METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	**CAP1Q23-OW-33-021423** Sample Date: 14-Feb-23	**CAP2Q23-OW-33-051823** Sample Date: 18-May-23	**CAP3Q23-OW-33-071223** Sample Date: 12-Jul-23	**CAP4Q23-OW-33-110223** Sample Date: 2-Nov-23	**CAP1Q24-OW-33-013024** Sample Date: 30-Jan-24	**CAP2Q24-OW-33-041624** Sample Date: 16-Apr-24	**CAP3Q24-OW-33-071624** Sample Date: 16-Jul-24	**CAP1Q23-PIW-1D-021623** Sample Date: 16-Feb-23	**CAP2Q23-PIW-1D-052323** Sample Date: 23-May-23	**CAP3Q23-PIW-1D-080223** Sample Date: 2-Aug-23	**CAP4Q23-PIW-1D-110723** Sample date: 7-Nov-23	**CAP1Q24-PIW-1D-012224** Sample Date: 22-Jan-24	**CAP2Q24-PIW-1D-041524** Sample Date: 15-Apr-24	**CAP3Q24-PIW-1D-072324** Sample Date: 23-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<2.0	<2.0	<2.0	<67	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<2.0	<2.0	<2.0	<32	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<2.0	<2.0	<2.0	<46	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<2.0	<2.0	<2.0	<24 UJ	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<2.0	<2.0	<2.0	<85	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<4.0	<4.0	<4.0	<140	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<5.0	<5.0	<5.0	<250	<250	**1,200**	<310	<310
9Cl-PF3ONS	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<2.0	<2.0	<2.0	<24	<24	<30	<30	<30
DONA	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<2.0	<2.0	<2.0	<40	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<5.0	<5.0	<5.0	<130	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<2.0	<2.0	<2.0	<87 UJ	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<2.0	<2.0	<2.0	<43	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<5.0	<5.0	<5.0	<120	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<20	<25	<25	<2.0	<2.0	<2.0	<20	<20	<25	<25	<25
Perfluorobutanoic Acid	**45**	**60 J**	**62**	<240	<300	<300	**62**	**83**	**59**	<240	<240	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<2.0	<2.0	<2.0	<32	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<2.0	<2.0	<2.0	<31	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<2.0	<2.0	<2.0	<97	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<2.0	<2.0	<2.0	<55	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<2.0	<2.0	<2.0	<19	<19	<24	<24	<24
Perfluoroheptanoic Acid	**5.6**	**7.6 J**	**7.1**	<25	<31	<31	**6.3**	**16**	**19**	<25	<25	<31	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<2.0	<2.0	<2.0	<89	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<57	<71	<71	<2.0	<2.0	<2.0	<57	<57	<71	<71	<71
Perfluorohexanoic Acid	**7.8**	**10 J**	**10**	<58	<73	<73	**8.8**	**9.5**	**11**	<58	<58	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<2.0	<2.0	<2.0	<37	<37	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0 UJ	<2.0	<27	<34	<34	<2.0	<2.0	<2.0	<27	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0	<94 UJ	<120	<120	<2.0	<2.0	<2.0	<94	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<2.0	<2.0	<2.0	<98	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<2.0	<2.0	<2.0	<30	<30	<38	<38	<38
Perfluoropentanoic Acid	**93**	**120 J**	**130**	**140**	**120 J**	**130**	**110**	**150**	**140**	**160**	**150**	**150**	**150**	**160**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<2.0	<2.0	<2.0	<73	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<2.0	<2.0	<2.0	<130	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<2.0	<2.0	<2.0	<110	<110	<140	<140	<140
PFOA	<2.0	**2.2 J**	<2.0	<85	<110	<110	<2.0	**18**	**19**	<85	<85	<110	<110	<110
PFOS	<2.0	<2.0 UJ	<2.0	<54	<68	<68	<2.0	<2.0	<2.0	<54	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	PIW-1S							**PIW-3D**						
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP1Q23-PIW-1S-021623** Sample Date: 16-Feb-23	**Not Sampled in 2Q 2023 (Dry)**	**Not Sampled in 3Q 2023 (Dry)**	**Not Sampled in 4Q 2023 (Dry)**	**CAP1Q24-PIW-1S-011624** Sample Date: 16-Jan-24	**Not Sampled in 2Q 2024 (Dry)**	**Not Sampled in 3Q 2024 (Dry)**	**CAP1Q23-PIW-3D-021623** Sample Date: 16-Feb-23	**CAP2Q23-PIW-3D-051723** Sample Date: 17-May-23	**CAP3Q23-PIW-3D-071323** Sample Date: 13-Jul-23	**CAP4Q23-PIW-3D-110323** Sample Date: 3-Nov-23	**CAP1Q24-PIW-3D-011824** Sample Date: 18-Jan-24	**CAP2Q24-PIW-3D-041524** Sample Date: 15-Apr-24	**CAP3Q24-PIW-3D-072324** Sample Date: 23-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	--	--	--	<84	--	--	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	--	--	--	<40	--	--	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	--	--	--	<58	--	--	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	--	--	--	<30	--	--	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	--	--	--	<110	--	--	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	--	--	--	<180	--	--	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	--	--	--	<310	--	--	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<310
9Cl-PF3ONS	<2.0	--	--	--	<30	--	--	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30
DONA	<2.0	--	--	--	<50	--	--	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	--	--	<160	--	--	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	--	--	--	<110	--	--	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	--	--	--	<54	--	--	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	--	--	<150	--	--	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	--	--	--	<25	--	--	**2.2**	**2.1 J**	**2.3**	<20	<25	<25	<25
Perfluorobutanoic Acid	**51**	--	--	--	<300	--	--	**110**	**73 J**	**79**	<240	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	--	--	--	<40	--	--	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	--	--	--	<39	--	--	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	--	--	--	<120	--	--	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	--	--	--	<69	--	--	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	--	--	--	<24	--	--	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<24
Perfluoroheptanoic Acid	**18**	--	--	--	<31	--	--	**32**	**32 J**	**33**	**49**	**44**	<31	**31**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	--	--	--	<110	--	--	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	**8.6**	--	--	--	<71	--	--	**3.4**	**3.5 J**	**3.7**	<57	<71	<71	<71
Perfluorohexanoic Acid	**7.7**	--	--	--	<73	--	--	**15**	**14 J**	**16**	<58	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	--	--	--	<46	--	--	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<46
Perfluorononanoic Acid	**4.1**	--	--	--	<34	--	--	**5.2**	**4.8 J**	**5**	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	--	--	--	<120	--	--	<2.0	<2.0 UJ	<2.0	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	--	--	--	<120	--	--	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	--	--	--	<38	--	--	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<38
Perfluoropentanoic Acid	**78**	--	--	--	<61	--	--	**150**	**150 J**	**150**	**190**	**250**	**210**	**220**
Perfluorotetradecanoic Acid	<2.0	--	--	--	<91	--	--	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	--	--	--	<160	--	--	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	--	--	--	<140	--	--	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<140
PFOA	**69**	--	--	--	<110	--	--	**44**	**43 J**	**42**	<85	<110	<110	<110
PFOS	**22**	--	--	--	<68	--	--	**15**	**14 J**	**14**	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	PIW-7D							**PIW-7S**						
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP1Q23-PIW-7D-021523** Sample Date: 15-Feb-23	**CAP2Q23-PIW-7D-052223** Sample Date: 22-May-23	**CAP3Q23-PIW-7D-071123** Sample Date: 11-Jul-23	**CAP4Q23-PIW-7D-110223** Sample Date: 2-Nov-23	**CAP1Q24-PIW-7D-011524** Sample Date: 15-Jan-24	**CAP2Q24-PIW-7D-041524** Sample Date: 15-Apr-24	**CAP3Q24-PIW-7D-072324** Sample Date: 23-Jul-24	**CAP1Q23-PIW-7S-021523** Sample Date: 15-Feb-23	**CAP2Q23-PIW-7S-052223** Sample Date: 22-May-23	**CAP3Q23-PIW-7S-071123** Sample Date: 11-Jul-23	**CAP4Q23-PIW-7S-110223** Sample Date: 2-Nov-23	**CAP1Q24-PIW-7S-011524** Sample Date: 15-Jan-24	**CAP2Q24-PIW-7S-041024** Sample Date: 10-Apr-24	**CAP3Q24-PIW-7S-072424** Sample Date: 24-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<67	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<32	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<46	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<24	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<85	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<140	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<250	<310	13,000	<310	<5.0	<5.0	<5.0	<250	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<2.0	<24	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
DONA	<2.0	<2.0	<2.0	<40	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<130	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<43	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<120	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<20	<25	<25	<25	**3.6**	**2.8**	**2.5**	<20	<25	<25	<25
Perfluorobutanoic Acid	**290**	**150**	**160**	<240	<300	<300	<300	**210**	**120**	**100**	<240	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<32	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<31	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<97	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<55	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<19	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24
Perfluoroheptanoic Acid	**140**	**81**	**85**	**97**	**100**	**110**	**70**	**71**	**52**	**41**	**61**	**56**	**88**	**73**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<89	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<57	<71	<71	<71	**4.1**	**3.5**	**3**	<57	<71	<71	<71
Perfluorohexanoic Acid	**49**	**33**	**30**	<58	<73	75 J	<73	**30**	**26**	**19**	<58	<73	**74**	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<37	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<27	<34	2,100	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<94	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<98	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<30	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38
Perfluoropentanoic Acid	**1,500**	**1,300**	**1,400**	**1,500**	**1,300**	**1,400**	**1,300**	**630**	**530**	**470**	**620**	**580**	**1,300**	**580**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<73	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<130	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<110	<140	530	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140
PFOA	**4.5**	**2.9**	**2**	<85	<110	<110	<110	**17**	**14**	**9.6**	<85	<110	<110	<110
PFOS	<2.0	<2.0	<2.0	<54	<68	<68	<68	**6.4 J**	**5.4 J**	<2.0	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)													
	PW-04							**PZ-22**						
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP1Q23-PW-04-022323** Sample Date: 23-Feb-23	**CAP2Q23-PW-04-052523** Sample Date: 25-May-23	**CAP3Q23-PW-04-072823** Sample Date: 28-Jul-23	**CAP4Q23-PW-04-110923** Sample Date: 9-Nov-23	**CAP1Q24-PW-04-011724** Sample Date: 17-Jan-24	**CAP2Q24-PW-04-042324** Sample Date: 23-Apr-24	**CAP3Q24-PW-04-072624** Sample Date: 26-Jul-24	**CAP1Q23-PZ-22-022023** Sample Date: 22-Feb-23	**CAP2Q23-PZ-22-052323** Sample Date: 23-May-23	**CAP3Q-PZ-22-071123** Sample Date: 11-Jul-23	**CAP4Q23-PZ-22-110223** Sample Date: 2-Nov-23	**CAP1Q24-PZ-22-011624** Sample Date: 16-Jan-24	**CAP2Q24-PZ-22-041624** Sample Date: 16-Apr-24	**CAP3Q24-PZ-22-072524** Sample Date: 25-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<67	<67	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<32	<32	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<46	<46	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<24	<24	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<85	<85	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<140	<140	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<250	<250	<310	<310	<310	<5.0	<5.0	<5.0	<250	<310 UJ	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<24	<24	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30
DONA	<2.0	<2.0	<40	<40	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<130	<130	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<87	<87	<110	<110	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<43	<43	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<120	<120	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	**32**	<20	<25	<25	<25	<2.0	<2.0	<2.0	<20	<25	<25	<25
Perfluorobutanoic Acid	**8.3**	**10**	<240	<240	<300	<300	<300	**120**	**110**	**120**	<240	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<32	<32	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<31	<31	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<97	<97	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<55	<55	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<19	<19	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24
Perfluoroheptanoic Acid	**6.6**	**8.8**	<25	<25	<31	<31	<31	**20**	**34**	**30**	**31**	**36**	**39**	**45**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<89	<89	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<57	<57	<71	<71	<71	<2.0	<2.0	<2.0	<57	<71	<71	<71
Perfluorohexanoic Acid	**2.7**	**3.5**	<58	<58	<73	<73	<73	**17**	**19**	**18**	<58	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<37	<37	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<27	<27	<34	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<94	<94	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<98	<98	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<30	<30	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38
Perfluoropentanoic Acid	**18**	**21**	<49	<49	<61	<61	<61	**820**	**930**	**1,100**	**1,100**	**880**	**970**	**870**
Perfluorotetradecanoic Acid	<2.0	<2.0	<73	<73	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<130	<130	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<110	<110	<140	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140
PFOA	<2.0	<2.0	<85	<85	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110
PFOS	<2.0	<2.0	<54	<54	<68	<68	<68	<2.0	<2.0	<2.0	<54	<68	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Model Sampling Program (Quarterly)							Performance Monitoring Plan Sampling Program (Semi-Annually)						
	SMW-12							OW-4R			OW-30			
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP1Q23-SMW-12-022323** Sample Date: 23-Feb-23	**CAP2Q23-SMW-12-051723** Sample Date: 17-May-23	**CAP3Q23-SMW-12-071823** Sample Date: 18-Jul-23	**CAP4Q23-SMW-12-110823** Sample Date: 8-Nov-23	**CAP1Q24-SMW-12-011624** Sample Date: 16-Jan-24	**CAP2Q24-SMW-12-041024** Sample Date: 10-Apr-24	**CAP3Q24-SMW-12-071624** Sample Date: 16-Jul-24	**CAP3Q23-OW-4R-080423** Sample Date: 4-Aug-23	**CAP1Q24-OW-4R-012924** Sample Date: 29-Jan-24	**CAP3Q24-OW-4R-072424** Sample Date: 24-Jul-24	**CAP1Q23-OW-30-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-30-071323** Sample Date: 13-Jul-23	**CAP1Q24-OW-30-013024** Sample Date: 30-Jan-24	**CAP3Q24-OW-30-071624** Sample Date: 16-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<61	<67	<84	<84	<84	<67	<84	<84	<2.0	<2.0	<84	<84
11Cl-PF3OUdS	<2.0	<2.0 UJ	<29	<32	<40	<40	<40	<32	<40	<40	<2.0	<2.0	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<42	<46	<58	<58	<58	<46	<58	<58	<2.0	<2.0	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<22	<24	<30	<30	<30	<24	<30	<30	<2.0	<2.0	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<77	<85	<110	<110	<110	<85	<110	<110	<2.0	<2.0	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<130	<140	<180	<180	<180	<140	<180	<180	<4.0	<4.0	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<230	<250	<310	<310	<310	<250	<310	<310	<5.0	<5.0	<310	<310
9Cl-PF3ONS	<2.0	<2.0 UJ	<22	<24	<30	<30	<30	<24	<30	<30	<2.0	<2.0	<30	<30
DONA	<2.0	<2.0 UJ	<36	<40	<50	<50	<50	<40	<50	<50	<2.0	<2.0	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<120	<130	<160	<160	<160	<130	<160	<160	<5.0	<5.0	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<79	<87	<110	<110 UJ	<110	<87	<110	<110	<2.0	<2.0	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<39	<43	<54	<54	<54	<43	<54	<54	<2.0	<2.0	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<110	<120	<150	<150	<150	<120	<150	<150	<5.0	<5.0	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0 UJ	<18	<20	<25	<25	<25	<20	<25	<25	<2.0	<2.0	<25	<25
Perfluorobutanoic Acid	**19**	**25 J**	<220	<240	<300	<300	<300	<240	<300	<300	**150**	**95**	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<29	<32	<40	<40	<40	<32	<40	<40	<2.0	<2.0	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<28	<31	<39	<39	<39	<31	<39	<39	<2.0	<2.0	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<88	<97	<120	<120	<120	<97	<120	<120	<2.0	<2.0	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<50	<55	<69	<69	<69	<55	<69	<69	<2.0	<2.0	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<17	<19	<24	<24	<24	<19	<24	<24	<2.0	<2.0	<24	<24
Perfluoroheptanoic Acid	<2.0	<2.0 UJ	<23	<25	<31	<31	<31	**90**	**77**	**70**	**12**	**7**	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<81	<89	<110	<110	<110	<89	<110	<110	<2.0	<2.0	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0 UJ	<52	<57	<71	<71	<71	<57	<71	<71	<2.0	<2.0	<71	<71
Perfluorohexanoic Acid	<2.0	**2.5 J**	<53	<58	<73	<73	<73	<58	<73	<73	**16**	**13**	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<34	<37	<46	<46	<46	<37	<46	<46	<2.0	<2.0	<46	<46
Perfluorononanoic Acid	<2.0	<2.0 UJ	<25	<27	<34	<34	<34	<27	<34	<34	<2.0	<2.0	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<86	<94	<120	<120	<120	<94	<120	<120	<2.0	<2.0	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<89	<98	<120	<120	<120	<98	<120	<120	<2.0	<2.0	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<27	<30	<38	<38	<38	<30	<38	<38	<2.0	<2.0	<38	<38
Perfluoropentanoic Acid	**43**	**62 J**	**73**	**92**	**83**	**99**	**88**	**480**	**390**	**400**	**530**	**340**	**460 J**	**560**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<67	<73	<91	<91	<91	<73	<91	<91	<2.0	<2.0	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<120	<130	<160	<160	<160	<130	<160	<160	<2.0	<2.0	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<100	<110	<140	<140	<140	<110	<140	<140	<2.0	<2.0	<140	<140
PFOA	<2.0	<2.0 UJ	<77	<85	<110	<110	<110	<85	<110	<110	<2.0	<2.0	<110	<110
PFOS	<2.0	**17 J**	<49	<54	<68	<68	<68	<54	<68	<68	<2.0	<2.0	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Wells OW-4R, OW-32, OW-37, and OW-51 were installed between late June 2023 and August 2023, so were unavailable for sampling before 3Q 2023.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Performance Monitoring Plan Sampling Program (Semi-Annually)																
	OW-32			**OW-37**			**OW-40**				**OW-51**			**OW-54**			
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**CAP3Q23-OW-32-090823** Sample Date: 9-Aug-23	**CAP1Q24-OW-32-012924** Sample Date: 29-Jan-24	**CAP3Q24-OW-32-071824** Sample Date: 18-Jul-24	**CAP3Q23-OW-37-081023** Sample Date: 10-Aug-23	**CAP1Q24-OW-37-011724** Sample Date: 17-Jan-24	**CAP3Q24-OW-37-071824** Sample Date: 18-Jul-24	**CAP1Q23-OW-40-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-40-071323** Sample Date: 13-Jul-23	**CAP1Q24-OW-40-013024** Sample Date: 30-Jan-24	**CAP3Q24-OW-40-071624** Sample Date: 16-Jul-24	**CAP3Q23-OW-51-080323** Sample Date: 3-Aug-23	**CAP1Q24-OW-51-013124** Sample Date: 31-Jan-24	**CAP3Q24-OW-51-073024** Sample Date: 30-Jul-24	**CAP1Q23-OW-54-021623** Sample Date: 16-Feb-23	**Not Sampled in 3Q 2023 (Dry)**	**CAP1Q24-OW-54-020624** Sample Date: 6-Feb-24	**Not Sampled in 3Q 2024 (Dry)**
10:2 Fluorotelomer sulfonate	<67	<84	<84	<67 UJ	<84	<84	<2.0	<2.0	<84	<2.0	<67	<84	<84	<2.0	--	<84	--
11Cl-PF3OUdS	<32	<40	<40	<32 UJ	<40	<40	<2.0	<2.0	<40	<2.0	<32	<40	<40	<2.0	--	<40	--
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<58	<58	<46 UJ	<58	<58	<2.0	<2.0	<58	<2.0	<46	<58	<58	<2.0	--	<58	--
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<30	<30	<24 UJ	<30	<30	<2.0	<2.0	<30	<2.0	<24	<30	<30	<2.0	--	<30	--
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<110	<110	<85 UJ	<110	<110	<2.0	<2.0	<110	<2.0	<85	<110	<110	<2.0	--	<110	--
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<180	<180	<140 UJ	<180	<180	<4.0	<4.0	<180	<4.0	<140	<180	<180	<4.0	--	<180	--
6:2 Fluorotelomer sulfonate	<250	<310	<310	<250 UJ	<310	<310	<5.0	<5.0	<310	<5.0	<250	<310	<310	<5.0	--	<310	--
9Cl-PF3ONS	<24	<30	<30	<24 UJ	<30	<30	<2.0	<2.0	<30	<2.0	<24	<30	<30	<2.0	--	<30	--
DONA	<40	<50	<50	<40 UJ	<50	<50	<2.0	<2.0	<50	<2.0	<40	<50	<50	<2.0	--	<50	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<160	<160	<130 UJ	<160	<160	<5.0	<5.0	<160	<5.0	<130	<160	<160	<5.0	--	<160	--
N-ethylperfluoro-1-octanesulfonamide	<87	<110	<110	<87 UJ	<110	<110	<2.0	<2.0	<110	<2.0	<87	<110	<110	<2.0	--	<110	--
N-methyl perfluoro-1-octanesulfonamide	<43	<54	<54	<43 UJ	<54	<54	<2.0	<2.0	<54	<2.0	<43	<54	<54	<2.0	--	<54	--
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<150	<150	<120 UJ	<150	<150	<5.0	<5.0	<150	<5.0	<120	<150	<150	<5.0	--	<150	--
Perfluorobutane Sulfonic Acid	<20	<25	<25	<20 UJ	<25	<25	<2.0	<2.0	<25	<2.0	<20	<25	<25	**2.3**	--	<25	--
Perfluorobutanoic Acid	<240	<300	<300	<240 UJ	<300	<300	**60**	**43**	<300	**57**	**530**	<300	<300	**23**	--	<300	--
Perfluorodecane Sulfonic Acid	<32	<40	<40	<32 UJ	<40	<40	<2.0	<2.0	<40	<2.0	<32	<40	<40	<2.0	--	<40	--
Perfluorodecanoic Acid	<31	<39	<39	<31 UJ	<39	<39	<2.0	<2.0	<39	<2.0	<31	<39	<39	<2.0	--	<39	--
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<120	<120	<97 UJ	<120	<120	<2.0	<2.0	<120	<2.0	<97	<120	<120	<2.0	--	<120	--
Perfluorododecanoic Acid	<55	<69	<69	<55 UJ	<69	<69	<2.0	<2.0	<69	<2.0	<55	<69	<69	<2.0	--	<69	--
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<24	<24	<19 UJ	<24	<24	<2.0	<2.0	<24	<2.0	<19	<24	<24	<2.0	--	<24	--
Perfluoroheptanoic Acid	<25	<31	<31	<25 UJ	<31	**31**	**16**	**18**	<31	**14**	**400**	**200 J**	**120**	**9.3**	--	<31	--
Perfluorohexadecanoic Acid (PFHxDA)	<89	<110	<110	<89 UJ	<110	<110	<2.0	<2.0	<110	<2.0	<89	<110	<110	<2.0	--	<110	--
Perfluorohexane Sulfonic Acid	<57	<71	<71	<57 UJ	<71	<71	<2.0	<2.0	<71	<2.0	<57	<71	<71	<2.0	--	<71	--
Perfluorohexanoic Acid	<58	<73	<73	<58 UJ	<73	<73	**11**	**11**	<73	**8.4**	**140**	<73	<73	**5.3**	--	<73	--
Perfluorononanesulfonic Acid	<37	<46	<46	<37 UJ	<46	<46	<2.0	<2.0	<46	<2.0	<37	<46	<46	<2.0	--	<46	--
Perfluorononanoic Acid	<27	<34 UJ	<34	<27 UJ	<34	<34	<2.0	<2.0	<34	<2.0	<27	<34	<34	<2.0	--	<34	--
Perfluorooctadecanoic Acid	<94	<120	<120	<94 UJ	<120	<120	<2.0	<2.0	<120	<2.0	<94	<120	<120	<2.0	--	<120	--
Perfluorooctane Sulfonamide	<98	<120	<120	<98 UJ	<120	<120	<2.0	<2.0	<120	<2.0	<98	<120	<120	<2.0	--	<120	--
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<38	<38	<30 UJ	<38	<38	<2.0	<2.0	<38	<2.0	<30	<38	<38	<2.0	--	<38	--
Perfluoropentanoic Acid	<49	**120**	**190**	**55 J**	<61	**130**	**120**	**74**	**75 J**	**90**	**2,700**	**1,400 J**	**880**	**40**	--	<61	--
Perfluorotetradecanoic Acid	<73	<91	<91	<73 UJ	<91	<91	<2.0	<2.0	<91	<2.0	<73	<91	<91	<2.0	--	<91	--
Perfluorotridecanoic Acid	<130	<160	<160	<130 UJ	<160	<160	<2.0	<2.0	<160	<2.0	<130	<160	<160	<2.0	--	<160	--
Perfluoroundecanoic Acid	<110	<140	<140	<110 UJ	<140	<140	<2.0	<2.0	<140	<2.0	<110	<140	<140	<2.0	--	<140	--
PFOA	<85	<110	<110	<85 UJ	<110	<110	**2.3**	<2.0	<110	<2.0	<85	<110	<110	**17**	--	<110	--
PFOS	<54	<68	<68	<54 UJ	<68	<68	<2.0	<2.0	<68	<2.0	<54	<68	<68	<2.0	--	<68	--

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Performance Monitoring Plan Sampling Program (Semi-Annually)														
	OW-55				**OW-56**				**OW-57**				**PIW-4D**		
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**CAP1Q23-OW-55-021623** Sample Date: 16-Feb-23	**CAP3Q23-OW-55-072523** Sample Date: 25-Jul-23	**CAP1Q24-OW-55-020524** Sample Date: 5-Feb-24	**CAP3Q24-OW-55-071824** Sample Date: 18-Jul-24	**CAP1Q23-OW-56-022123** Sample Date: 21-Feb-23	**CAP3Q23-OW-56-073123** Sample Date: 31-Jul-23	**CAP1Q24-OW-56-020124** Sample Date: 1-Feb-24	**CAP3Q24-OW-56-072324** Sample Date: 23-Jul-24	**CAP1Q23-OW-57-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-57-073123** Sample Date: 31-Jul-23	**CAP1Q24-OW-57-020624** Sample Date: 6-Feb-24	**CAP3Q24-OW-57-072524** Sample Date: 25-Jul-24	**CAP3Q23-PIW-4D-071323** Sample Date: 13-Jul-23	**CAP1Q24-PIW-4D-012224** Sample Date: 22-Jan-24	**CAP3Q24-PIW-4D-072324** Sample Date: 23-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<67	<84	<84	<2.0	<67	<84	<84	<2.0	<67	<84	<84	<2.0	<2.0	<84
11Cl-PF3OUdS	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<2.0	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<46	<58	<58	<2.0	<46	<58	<58	<2.0	<46	<58	<58	<2.0	<2.0	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<2.0	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<85	<110	<110	<2.0	<85	<110	<110	<2.0	<85	<110	<110	<2.0	<2.0	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<140	<180	<180	<4.0	<140	<180	<180	<4.0	<140	<180	<180	<4.0	<4.0	<180
6:2 Fluorotelomer sulfonate	<5.0	<250	<310	<310	<5.0	<250	<310	<310	<5.0	<250	<310	<310	<5.0	<5.0	<310
9Cl-PF3ONS	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<2.0	<30
DONA	<2.0	<40	<50	<50	<2.0	<40	<50	<50	<2.0	<40	<50	<50	<2.0	<2.0	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<130	<160	<160	<5.0	<130	<160	<160	<5.0	<130	<160	<160	<5.0	<5.0	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<87	<110	<110	<2.0	<87	<110	<110	<2.0	<87	<110	<110	<2.0	<2.0	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<43	<54	<54	<2.0	<43	<54	<54	<2.0	<43	<54	<54	<2.0	<2.0	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<120	<150	<150	<5.0	<120	<150	<150	<5.0	<120	<150	<150	<5.0	<5.0	<150
Perfluorobutane Sulfonic Acid	<2.0	<20	<25	<25	**2.5**	**33**	<25	<25	**4.1**	**33**	<25	**26**	<2.0	<2.0	<25
Perfluorobutanoic Acid	**18**	<240	<300	<300	**22**	<240	<300	<300	**140**	<240	<300	<300	<5.0	<5.0	<300
Perfluorodecane Sulfonic Acid	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<2.0	<40
Perfluorodecanoic Acid	<2.0	<31	<39	<39	<2.0	<31	<39	<39	<2.0	<31	<39	<39	<2.0	<2.0	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<97	<120	<120	<2.0	<97	<120	<120	<2.0	<97	<120	<120	<2.0	<2.0	<120
Perfluorododecanoic Acid	<2.0	<55	<69	<69	<2.0	<55	<69	<69	<2.0	<55	<69	<69	<2.0	<2.0	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<19	<24	<24	<2.0	<19	<24	<24	<2.0	<19	<24	<24	<2.0	<2.0	<24
Perfluoroheptanoic Acid	<2.0	<25	<31	<31	**3.5**	<25	<31	<31	**71**	**86**	**87**	**92**	<2.0	<2.0	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<89	<110	<110	<2.0	<89	<110	<110	<2.0	<89	<110	<110	<2.0	<2.0	<110
Perfluorohexane Sulfonic Acid	<2.0	<57	<71	<71	<2.0	<57	<71	<71	**2.3**	<57	<71	<71	<2.0	<2.0	<71
Perfluorohexanoic Acid	**2.6**	<58	<73	<73	**6.7**	<58	<73	<73	**63**	**97**	**84**	**86**	<2.0	<2.0	<73
Perfluorononanesulfonic Acid	<2.0	<37	<46	<46	<2.0	<37	<46	<46	<2.0	<37	<46	<46	<2.0	<2.0	<46
Perfluorononanoic Acid	<2.0	<27	<34	<34	<2.0	<27	<34	<34	<2.0	<27	<34	<34	<2.0	<2.0	<34
Perfluorooctadecanoic Acid	<2.0	<94	<120	<120	<2.0	<94	<120	<120	<2.0	<94	<120	<120	<2.0	<2.0	<120
Perfluorooctane Sulfonamide	<2.0	<98	<120	<120	<2.0	<98	<120	<120	<2.0	<98	<120	<120	<2.0	<2.0	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<30	<38	<38	<2.0	<30	<38	<38	<2.0	<30	<38	<38	<2.0	<2.0	<38
Perfluoropentanoic Acid	**27**	<49	<61	<61	**44**	**56**	<61	<61	**320**	**380**	**310**	**330**	**11**	**14**	<61
Perfluorotetradecanoic Acid	<2.0	<73	<91	<91	<2.0	<73	<91	<91	<2.0	<73	<91	<91	<2.0	<2.0	<91
Perfluorotridecanoic Acid	<2.0	<130	<160	<160	<2.0	<130	<160	<160	<2.0	<130	<160	<160	<2.0	<2.0	<160
Perfluoroundecanoic Acid	<2.0	<110	<140	<140	<2.0	<110	<140	<140	<2.0	<110	<140	<140	<2.0	<2.0	<140
PFOA	<2.0	<85	<110	<110	**2.7**	<85	<110	<110	**750**	**1,000**	**930**	**1,100**	<2.0	<2.0	<110
PFOS	<2.0	<54	<68	<68	<2.0	<54	<68	<68	<2.0	<54	<68	<68	<2.0	<2.0	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)																	
	PIW-5SR			PIW-6S			PIW-8D			PIW-10DR			PIW-10S			PIW-11		
	CAP3Q23-PIW-5SR-080423 Sample Date: 4-Aug-23	Not Sampled in 1Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP3Q23-PIW-6S-071223 Sample Date: 12-Jul-23	CAP1Q24-PIW-6S-013124 Sample Date: 31-Jan-24	CAP3Q24-PIW-6S-072924 Sample Date: 29-Jul-24	CAP3Q23-PIW-8D-071123 Sample Date: 11-Jul-23	CAP1Q24-PIW-8D-012224 Sample Date: 22-Jan-24	CAP3Q24-PIW-8D-072524 Sample Date: 25-Jul-24	CAP3Q23-PIW-10DR-071423 Sample Date: 14-Jul-23	CAP1Q24-PIW-10DR-012224 Sample Date: 22-Jan-24	CAP3Q24-PIW-10DR-072524 Sample Date: 25-Jul-24	CAP3Q23-PIW-10S-071323 Sample Date: 13-Jul-23	Not Sampled in 1Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP3Q23-PIW-11-073123 Sample Date: 31-Jul-23	CAP1Q24-PIW-11-020124 Sample Date: 1-Feb-24	CAP3Q24-PIW-11-071824 Sample Date: 18-Jul-24
10:2 Fluorotelomer sulfonate	<67	--	--	<2.0	<84	<84	<2.0	<84	<84	<2.0	<84	<84	<2.0	--	--	<67	<84	<84
11Cl-PF3OUdS	<32	--	--	<2.0	<40	<40	<2.0	<40	<40	<2.0	<40	<40	<2.0	--	--	<32	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	--	--	<2.0	<58	<58	<2.0	<58	<58	<2.0	<58	<58	<2.0	--	--	<46	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	--	--	<2.0	<30	<30	<2.0	<30	<30	<2.0	<30	<30	<2.0	--	--	<24	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	--	--	<2.0	<110	<110	<2.0	<110	<110	<2.0	<110	<110	<2.0	--	--	<85	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	--	--	<4.0	<180	<180	<4.0	<180	<180	<4.0	<180	<180	<4.0	--	--	<140	<180	<180
6:2 Fluorotelomer sulfonate	<250	--	--	<5.0	<310	<310	**9.4**	<310	<310	<5.0	<310	<310	<5.0	--	--	<250	<310	<310
9Cl-PF3ONS	<24	--	--	<2.0	<30	<30	<2.0	<30	<30	<2.0	<30	<30	<2.0	--	--	<24	<30	<30
DONA	<40	--	--	<2.0	<50	<50	<2.0	<50	<50	<2.0	<50	<50	<2.0	--	--	<40	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	--	--	<5.0	<160	<160	<5.0	<160	<160	<5.0	<160	<160	<5.0	--	--	<130	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<87	--	--	<2.0	<110	<110	<2.0	<110	<110	<2.0	<110	<110	<2.0	--	--	<87	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<43	--	--	<2.0	<54	<54	<2.0	<54	<54	<2.0	<54	<54	<2.0	--	--	<43	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	--	--	<5.0	<150	<150	<5.0	<150	<150	<5.0	<150	<150	<5.0	--	--	<120	<150	<150
Perfluorobutane Sulfonic Acid	<20	--	--	<2.0	<25	<25	<2.0	<25	<25	<2.0	<25	<25	<2.0	--	--	**29**	<25	<25
Perfluorobutanoic Acid	**780**	--	--	**150**	<300	<300	**310**	**660**	**680**	**130**	<300	<300	**47**	--	--	<240	<300	<300
Perfluorodecane Sulfonic Acid	<32	--	--	<2.0	<40	<40	<2.0	<40	<40	<2.0	<40	<40	<2.0	--	--	<32	<40	<40
Perfluorodecanoic Acid	<31	--	--	<2.0	<39	<39	<2.0	<39	<39	<2.0	<39	<39	<2.0	--	--	<31	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<97	--	--	<2.0	<120	<120	<2.0	<120	<120	<2.0	<120	<120	<2.0	--	--	<97	<120	<120
Perfluorododecanoic Acid	<55	--	--	<2.0	<69	<69	<2.0	<69	<69	<2.0	<69	<69	<2.0	--	--	<55	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	--	--	<2.0	<24	<24	<2.0	<24	<24	<2.0	<24	<24	<2.0	--	--	<19	<24	<24
Perfluoroheptanoic Acid	**80**	--	--	**23**	<31	<31	**250**	**760**	**720**	**76**	**80**	**59**	**11**	--	--	<25	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<89	--	--	<2.0	<110	<110	<2.0	<110	<110	<2.0	<110	<110	<2.0	--	--	<89	<110	<110
Perfluorohexane Sulfonic Acid	<57	--	--	<2.0	<71	<71	<2.0	<71	<71	<2.0	<71	<71	<2.0	--	--	<57	<71	<71
Perfluorohexanoic Acid	<58	--	--	**17**	<73	<73	**75**	**210**	**190**	**29**	<73	<73	**8.6**	--	--	<58	<73	<73
Perfluorononanesulfonic Acid	<37	--	--	<2.0	<46	<46	<2.0	<46	<46	<2.0	<46	<46	<2.0	--	--	<37	<46	<46
Perfluorononanoic Acid	<27	--	--	<2.0	<34	<34	<2.0	<34	<34	<2.0	<34	<34	<2.0	--	--	<27	<34	<34
Perfluorooctadecanoic Acid	<94	--	--	<2.0	<120	<120	<2.0	<120	<120	<2.0	<120	<120	<2.0	--	--	<94	<120	<120
Perfluorooctane Sulfonamide	<98	--	--	<2.0	<120	<120	<2.0	<120	<120	<2.0	<120	<120	<2.0	--	--	<98	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<30	--	--	<2.0	<38	<38	<2.0	<38	<38	<2.0	<38	<38	<2.0	--	--	<30	<38	<38
Perfluoropentanoic Acid	**1,100**	--	--	**820**	**760 J**	**710**	**1,700**	**3,500**	**3,500**	**350**	**400**	**370**	**59**	--	--	**63**	<61	<61
Perfluorotetradecanoic Acid	<73	--	--	<2.0	<91	<91	<2.0	<91	<91	<2.0	<91	<91	<2.0	--	--	<73	<91	<91
Perfluorotridecanoic Acid	<130	--	--	<2.0	<160	<160	<2.0	<160	<160	<2.0	<160	<160	<2.0	--	--	<130	<160	<160
Perfluoroundecanoic Acid	<110	--	--	<2.0	<140	<140	<2.0	<140	<140	<2.0	<140	<140	<2.0	--	--	<110	<140	<140
PFOA	<85	--	--	<2.0	<110	<110	**2.5**	<110	<110	**4.1**	<110	<110	**9.1**	--	--	<85	<110	<110
PFOS	<54	--	--	<2.0	<68	<68	<2.0	<68	<68	<2.0	<68	<68	<2.0	--	--	<54	<68	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Performance Monitoring Plan Sampling Program (Semi-Annually)									Corrective Action Plan Sampling Program (Annually)						
	PIW-15			PW-10RR			PW-11			PIW-12		PIW-13			PIW-14	
METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	CAP3Q23-PIW-15-072523 Sample Date: 25-Jul-23	CAP1Q24-PIW-15-020524 Sample Date: 5-Feb-24	CAP3Q24-PIW-15-090324 Sample Date: 3-Sep-24	CAP3Q23-PW-10RR-080323 Sample Date: 3-Aug-23	CAP1Q24-PW-10RR-013124 Sample Date: 31-Jan-24	CAP3Q24-PW-10RR-073024 Sample Date: 30-Jul-24	CAP3Q23-PW-11-070723 Sample Date: 7-Jul-23	CAP1Q24-PW-11-013124 Sample Date: 31-Jan-24	CAP3Q24-PW-11-072424 Sample Date: 24-Jul-24	CAP3Q23-PIW-12-072423 Sample Date: 24-Jul-23	CAP3Q24-PIW-12-071824 Sample Date: 18-Jul-24	CAP3Q23-PIW-13-072423 Sample Date: 24-Jul-23	CAP3Q24-PIW-13-071824 Sample Date: 18-Jul-23	CAP3Q24-PIW-13-080524 Sample Date: 5-Aug-24	CAP3Q23-PIW-14-072423 Sample Date: 24-Jul-23	CAP3Q24-PIW-14-080524 Sample Date: 5-Aug-24
10:2 Fluorotelomer sulfonate	<67	<84	<84	<67	<84	<84	<2.0	<84	<84	<67	<84	<67	<84	<84	<67	<84
11Cl-PF3OUdS	<32	<40	<40	<32	<40	<40	<2.0	<40	<40	<32	<40	<32	<40	<40	<32	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<58	<58	<46	<58	<58	<2.0	<58	<58	<46	<58	<46	<58	<58	<46	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<30	<30	<24	<30	<30	<2.0	<30	<30	<24	<30	<24	<30	<30	<24	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<110	<110	<85	<110	<110	<2.0	<110	<110	<85	<110	<85	<110	<110	<85	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<180	<180	<140	<180	<180	<4.0	<180	<180	<140	<180	<140	<180	<180	<140	<180
6:2 Fluorotelomer sulfonate	<250	<310	<310	<250	<310	<310	<5.0	<310	<310	<250	<310	<250	<310	<310	<250	<310
9Cl-PF3ONS	<24	<30	<30	<24	<30	<30	<2.0	<30	<30	<24	<30	<24	<30	<30	<24	<30
DONA	<40	<50	<50	<40	<50	<50	<2.0	<50	<50	<40	<50	<40	<50	<50	<40	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<160	<160	<130	<160	<160	<5.0	<160	<160	<130	<160	<130	<160	<160	<130	<160
N-ethylperfluoro-1-octanesulfonamide	<87	<110	<110	<87	<110	<110	<2.0	<110	<110	<87	<110	<87	<110	<110	<87	<110
N-methyl perfluoro-1-octanesulfonamide	<43	<54	<54	<43	<54	<54	<2.0	<54	<54	<43	<54	<43	<54	<54	<43	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<150	<150	<120	<150	<150	<5.0	<150	<150	<120	<150	<120	<150	<150	<120	<150
Perfluorobutane Sulfonic Acid	<20	<25	<25	<20	<25	<25	**2.1**	<25	<25	<20	<25	<20	<25	<25	<20	<25
Perfluorobutanoic Acid	<240	<300	<300	<240	<300	<300	**100**	<300	<300	<240	<300	<240	<300	<300	<240	<300
Perfluorodecane Sulfonic Acid	<32	<40	<40	<32	<40	<40	<2.0	<40	<40	<32	<40	<32	<40	<40	<32	<40
Perfluorodecanoic Acid	<31	<39	<39	<31	<39	<39	<2.0	<39	<39	<31	<39	<31	<39	<39	<31	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<120	<120	<97	<120	<120	<2.0	<120	<120	<97	<120	<97	<120	<120	<97	<120
Perfluorododecanoic Acid	<55	<69	<69	<55	<69	<69	<2.0	<69	<69	<55	<69	<55	<69	<69	<55	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<24	<24	<19	<24	<24	<2.0	<24	<24	<19	<24	<19	<24	<24	<19	<24
Perfluoroheptanoic Acid	<25	<31	<31	<25	<31	<31	**100**	**110 J**	**120**	<25	<31	<25	<31	<31	<25	<31
Perfluorohexadecanoic Acid (PFHxDA)	<89	<110	<110	<89	<110	<110	<2.0	<110	<110	<89	<110	<89	<110	<110	<89	<110
Perfluorohexane Sulfonic Acid	<57	<71	<71	<57	<71	<71	**2.8**	<71	<71	<57	<71	<57	<71	<71	<57	<71
Perfluorohexanoic Acid	<58	<73	<73	<58	<73	<73	**26**	<73	<73	<58	<73	<58	<73	<73	<58	<73
Perfluorononanesulfonic Acid	<37	<46	<46	<37	<46	<46	<2.0	<46	<46	<37	<46	<37	<46	<46	<37	<46
Perfluorononanoic Acid	<27	<34	<34	<27	<34	<34	**22**	<34	<34	<27	<34	<27	<34	<34	<27	<34
Perfluorooctadecanoic Acid	<94	<120	<120	<94	<120	<120	<2.0	<120	<120	<94	<120	<94	<120	<120	<94	<120
Perfluorooctane Sulfonamide	<98	<120	<120	<98	<120	<120	<2.0	<120	<120	<98	<120	<98	<120	<120	<98	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<38	<38	<30	<38	<38	<2.0	<38	<38	<30	<38	<30	<38	<38	<30	<38
Perfluoropentanoic Acid	**140**	**120**	**100**	**710**	**520 J**	**470**	**420**	**230 J**	**240**	<49	<61	<49	**68**	**84**	**80**	**110**
Perfluorotetradecanoic Acid	<73	<91	<91	<73	<91	<91	<2.0	<91	<91	<73	<91	<73	<91	<91	<73	<91
Perfluorotridecanoic Acid	<130	<160	<160	<130	<160	<160	<2.0	<160	<160	<130	<160	<130	<160	<160	<130	<160
Perfluoroundecanoic Acid	<110	<140	<140	<110	<140	<140	<2.0	<140	<140	<110	<140	<110	<140	<140	<110	<140
PFOA	<85	<110	<110	<85	<110	<110	**42**	<110	<110	<85	<110	<85	<110	<110	<85	<110
PFOS	<54	<68	<68	<54	<68	<68	**4.7**	<68	<68	<54	<68	<54	<68	<68	<54	<68

Notes:

1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.

Bold - Analyte detected above associated reporting limit.

J - Analyte detected. Reported value may not be accurate or precise.

ng/L - nanograms per liter

SOP - standard operating procedure

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	*Jul 18 (0.00)* *Jul 19 (0.10)* *Jul 20 (0.47)*	*Nov 6 (0.00)* *Nov 7 (0.00)* *Nov 8 (0.00)*	*Feb 22 (0.00)* *Feb 23 (0.00)* *Feb 24 (0.01)*	*May 9 (0.00)* *May 10 (0.00)* *May 11 (0.00)*	*Jul 24 (0.20)* *Jul 25 (0.00)* *Jul 26 (0.00)*	*Nov 20 (0.00)* *Nov 21 (0.41)* *Nov 22 (1.26)*	*Feb 19 (0.00)* *Feb 20 (0.00)* *Feb 21 (0.00)*	*Apr 15 (0.00)* *Apr 16 (0.00)* *Apr 17 (0.00)*	*Jul 8 (0.00)* *Jul 9 (0.00)* *Jul 10 (0.00)*
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**WC-1**								
	CAP3Q22-WC-1-24-072122 Sample Date: 21-Jul-22	**CAP4Q22-WC-1-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-1-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-1-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-1-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-1-112323** Sample Date: 23-Nov-23	**CAP1Q24-WC-1-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-1-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-1-24-071124** Sample Date: 11-Jul-24
Hfpo Dimer Acid	**560**	**580**	**310**	**430**	**360**	**89 J**	**240**	**320**	**460**
PFMOAA	**1,300**	**1,900**	**480**	**830**	**970**	**200**	**420**	**1,000**	**1,400**
PFO2HxA	**650**	**960**	**280**	**500**	**500**	**150**	**310**	**440**	**540**
PFO3OA	**130**	**160**	**45**	**90**	**87**	**23 J**	**57**	**76**	**79 J**
PFO4DA	**25**	**29**	**10**	**15**	**16**	**5.4 J**	**9.4**	**14**	**17**
PFO5DA	<3.9	<7.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**640**	**790**	**340**	**430**	**490**	**170**	**290**	**340**	**500**
PEPA	**150**	**200**	**74**	**120**	**120**	**45**	**72**	**95**	**110**
PS Acid	<2.0	**2.6**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**14**	**14**	**8**	**11**	**12**	**5.2**	**7.3**	**13**	**12**
R-PSDA	**42 J**	**36 J**	**30 J**	**86 J**	**170 J**	**11 J**	**36 J**	**100 J**	**160 J**
Hydrolyzed PSDA	**230 J**	**230 J**	**190 J**	**380 J**	**290 J**	**28 J**	**160 J**	**370 J**	**340 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	**21**	**30**	**14**	**20**	**25**	**3.8**	**15**	**16**	**28**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**9.9**	**13**	**5.1**	**6.7**	**7.4**	<2.0	**4**	**5.7**	**7.5**
R-EVE	**24 J**	**16 J**	**14 J**	**38 J**	**59 J**	**5.9 J**	**18 J**	**41 J**	**64 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.4	<4.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFPrA	--	--	--	--	**770**	**250**	**530**	**680**	**780**
Total Table 3+ (17 compounds)[2,3]	**3,500**	**4,680**	**1,570**	**2,450**	**2,590**	**691**	**1,420**	**2,320**	**3,150**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**3,360**	**941**	**1,950**	**3,000**	**3,930**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**3,880**	**986**	**2,170**	**3,510**	**4,500**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***
	Jul 19 (0.10)	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**WC-2**								
	CAP3Q22-WC-2-24-072122 Sample Date: 21-Jul-22	**CAP4Q22-WC-2-22-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-2-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-2-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-2-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-2-112323** Sample Date: 23-Nov-23	**CAP1Q24-WC-2-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-2-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-2-24-071124** Sample Date: 11-Jul-24
Hfpo Dimer Acid	**320**	**490**	**180**	**290**	**260**	**120**	**160**	**210**	**260**
PFMOAA	**250**	**1,000**	**300**	**360**	**610**	**290 J**	**250**	**480**	**340**
PFO2HxA	**250**	**640**	**160**	**280**	**350**	**190 J**	**180**	**230**	**290**
PFO3OA	**40**	**89**	**21**	**42**	**55**	**27**	**25**	**40**	**37**
PFO4DA	**12**	**17**	**4.5**	**8.2**	**10**	**5.3**	**4.8**	**7.8**	**7.1**
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**330**	**570**	**240**	**310**	**410**	**230 J**	**200**	**260**	**320**
PEPA	**70**	**150**	**52**	**86**	**92**	**48 J**	**41**	**62**	**65**
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**12**	**11**	**7.2**	**8.2**	**9.5**	**6.1**	**6.6**	**9.4**	**8.6**
R-PSDA	**26 J**	**31 J**	**18 J**	**49 J**	**96 J**	**9.4 J**	**12 J**	**54 J**	**100 J**
Hydrolyzed PSDA	**44 J**	**130 J**	**28 J**	**44 J**	**75 J**	**20 J**	**14 J**	**81 J**	**30 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	**8.3**	**19**	**5.7**	**8.6**	**16**	**5.7 J**	**5.7**	**8.1**	**8.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**4.5**	**12**	<2.0	**3.1**	**2.2**	**2.2**	**2.1**	<2.0	<2.0
R-EVE	**9.4 J**	**19 J**	**9.6 J**	**28 J**	**41 J**	**7.4 J**	**7.7 J**	**25 J**	**51 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFPrA	--	--	--	--	**570**	**340 J**	**320**	**450**	**440**
Total Table 3+ (17 compounds)[2,3]	**1,300**	**3,000**	**970**	**1,400**	**1,810**	**924**	**875**	**1,310**	**1,340**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**2,380**	**1,260**	**1,200**	**1,760**	**1,780**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**2,600**	**1,300**	**1,230**	**1,920**	**1,960**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***
	Jul 19 (0.10)	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**WC-3**								
	CAP3Q22-WC-3-24-072122 Sample Date: 21-Jul-22	**CAP4Q22-WC-3-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-3-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-3-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-3-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-3-112323** Sample Date: 23-Nov-23	**CAP1Q24-WC-3-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-3-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-3-24-071124** Sample Date: 11-Jul-24
Hfpo Dimer Acid	**180**	**190**	**100**	**150**	**130**	**49**	**50 J**	**110**	**160**
PFMOAA	**45**	**72**	**35**	**55**	**58**	**25**	**22 J**	**47**	**76**
PFO2HxA	**140**	**190**	**74**	**130**	**140**	**61**	**44 J**	**110**	**150**
PFO3OA	**19**	**21**	**8.7**	**16**	**19**	**7.6**	<8.9	**14**	**18**
PFO4DA	**5.3**	**4.8**	**2.1**	**3.5**	**5.1**	**2.2**	<4.0	**3.5**	**5.3**
PFO5DA	<2.0	<2.0	<2.0	<2.0	**2.1**	<2.0	<10	<2.0	<2.0
PMPA	**230**	**260**	**160**	**190**	**200**	**120**	**83 J**	**180**	**230**
PEPA	**45**	**70**	**32**	**53**	**50**	**24**	**31**	**40**	**51**
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0
Hydro-PS Acid	**9.3**	**7.8**	**6.5**	**6.8**	**7.8**	**4.2**	<4.4	**7.2**	**8.4**
R-PSDA	<2.0	**12 J**	**15 J**	**32 J**	**65 J**	**4.3 J**	**3.3 J**	**41 J**	**97 J**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	**7.6 J**	<2.0	<2.7	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<14	<3.0	<3.0
NVHOS, Acid Form	**4.6**	**3.2**	**2.5**	**2.8**	<3.0	<3.0	<13	<3.0	**3.4**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0
R-EVE	**5.6 J**	**6.1 J**	**7.5 J**	**16 J**	**23 J**	**2.7 J**	<3.1	**17 J**	**40 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.9	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<6.2	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.9	<2.0	<2.0
PFPrA	--	--	--	--	**280**	**150**	**210**	**240**	**300**
Total Table 3+ (17 compounds)[2,3]	**678**	**819**	**421**	**607**	**612**	**293**	**230**	**512**	**702**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**892**	**443**	**440**	**752**	**1,000**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**988**	**450**	**443**	**810**	**1,140**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***
	Jul 19 (0.10)	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***
	WC-1								
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**CAP3Q22-WC-1-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-1-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-1-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-1-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-1-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-1-112323** Sample Date: 23-Nov-23	**CAP1Q24-WC-1-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-1-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-1-24-071124** Sample Date: 11-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**5.9**	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**4.7**	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**4.6**	**3.9**	**4.4**	**4.6**	**4.9**	**3.7**	**5.7**	**7.5**	**5.5**
Perfluorobutanoic Acid	**6.6**	**9.1**	**7**	**6.3**	**9**	<5.0	**5.2**	**6.7**	**8.6**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.4**	**2.9**	<2.0	**2.4**	**2.4**	<2.0	<2.0	**2.1**	**2.8**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**3.5**	**4.1**	**2.8**	**3.7**	**4.3**	<2.0	**3.1**	**4.3**	**4.3**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.4	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**13**	**13**	**7.8**	**11**	**9.9**	**3.4**	**6.7**	**11**	**13**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**9.7**	**10**	**5.8**	**7.7**	**7.2**	**2.1**	**5.1**	**6.1**	**11**
PFOS	**2.5**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Notes:
1 - The EPA Method 537 was modified to incorporate the Table3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***
	Jul 19 (0.10)	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***
	WC-2								
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP3Q22-WC-2-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-2-22-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-2-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-2-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-2-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-2-112323** Sample Date: 23-Nov-23	**CAP1Q24-WC-2-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-2-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-2-24-071124** Sample Date: 11-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**4.4**	**3.6**	**4.5**	**4.6**	**4.6**	**4.7 J**	**6.2**	**7.1**	**5.3**
Perfluorobutanoic Acid	<5.0	**10.0**	<5.0	<5.0	**7.6**	<5.0 UJ	<5.0	**5.5**	**6.4**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**2.4**	<2.0	<2.0	**2.0**	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**3.0**	**3.9**	**2.6**	**3.1**	**3.8**	**2.3**	**2.8**	**3.6**	**4.3**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.4	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**8.8**	**13.0**	**5.0**	**7.3**	**8.1**	**5.1 J**	**4.7**	**7.1**	**7.5**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFOA	**3.4**	**5.1**	**2.8**	**3.1**	**5.6**	**2.3**	**2.7**	**3.7**	**3.8**
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0	**2.0 J**	<2.0	<2.0	<2.0

Notes:
1 - The EPA Method 537 was modified to incorporate the Table3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***
	Jul 19 (0.10)	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***
	WC-3								
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**CAP3Q22-WC-3-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-3-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-3-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-3-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-3-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-3-112323** Sample Date: 23-Nov-23	**CAP1Q24-WC-3-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-3-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-3-24-071124** Sample Date: 11-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<6.7	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.2	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.6	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.5	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<14	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<13	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.7	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.3	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<12	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**4.7**	**3.1**	**4.6**	**4.3**	**4.6**	**3.5**	**4.3 J**	**7.6**	**5.4**
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	**5.8**	<5.0	<24	**5.6**	**6.2**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.2	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.1	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.7	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.5	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.5	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.7	<2.0	<2.0
Perfluorohexanoic Acid	**2.6**	**2.3**	**2.1**	**2.7**	**3.0**	<2.0	<5.8	**3.4**	**4.3**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.7	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.7	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.4	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0
Perfluoropentanoic Acid	**5.5**	**4.5**	**3.6**	**5.1**	**4.9**	**2.6**	<4.9	**5.5**	**6.7**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<7.3	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<13	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<11	<2.0	<2.0
PFOA	**2.4**	<2.0	<2.0	<2.0	**2.1**	<2.0	<8.5	**2.3**	**2.5**
PFOS	**2.3**	<2.0	<2.0	<2.0	<2.0	<2.0	<5.4	<2.0	<2.0

Notes:
1 - The EPA Method 537 was modified to incorporate the Table3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 6-5
Willis Creek PFAS Mass Discharge
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Sample Date	Willis Creek Flow Rate[1]	Total Table 3+ Concentration (17 compounds) (ng/L)		PFAS Mass Discharge (Total Table 3+ 17 compounds) (mg/sec)		Δ PFAS Mass Discharge (Total Table 3+ 17 compounds) (mg/sec)
	(ft^3/sec)	WC-2	WC-1	WC-2	WC-1	Δ WC-2 TO WC-1
21-Jul-22	5.0	1,300	3,500	0.18	0.49	0.31
09-Nov-22	3.4	3,000	4,680	0.29	0.45	0.16
25-Feb-23	6.7[2]	970	1,570	0.18	0.30	0.11
14-Mar-23	***Startup of the Groundwater Extraction and Conveyance (GWEC) System***					
12-May-23	3.5	1,400	2,450	0.14	0.24	0.10
27-Jul-23	2.8	1,810	2,590	0.14	0.20	0.06
23-Nov-23	15.5	924	691	0.41	0.30	-0.10
22-Feb-24	7.3	875	1,420	0.18	0.29	0.11
18-Apr-24	NM[3]	1,310	2,320	NM	NM	NM
11-Jul-24	3.6	1,340	3,150	0.14	0.32	0.18

Notes:

1 - Willis Creek flow rate was measured using the Marsh-McBirney method, and if practical is performed within the 24-hour composite cycle of the sampling program.

2 - Flooding affected the February 2023 event. Previous reports utilized flow rate data from upstream location WC-6 on February 13, 2023. However, it was determined that WC-1 flow and concentration data are available instead on February 25, 2023 and are utilized above.

3 - For the April 18, 2024 event, flow rate was inadvertently Not Measured (NM). In previous reports, a surrogate value from May 2023 was used, but as these data sets are likely not congruous, this surrogate is no longer being used. Concentration data are still provided above.

4 - The total Table 3+ concentration (17 compounds) is rounded to three significant figures. Presented values of flow and mass discharge are limited to 1 and 2 decimal places, respectively.

5 - WC-2 is located approximately at the upgradient end of the long-term remedy alignment (i.e., downgradient of EW-1), and WC-1 is located approximately near the confluence with the Cape Fear River.

ft^3/sec - cubic foot per second ng/L - nanograms per liter mg/sec - milligrams per second Δ - delta or change

Table 6-6
Passive Flux Meter Darcy Velocity Results
Quarterly Report #7 (Jul - Sep 2024)
Chemours Fayetteville Works,
Fayetteville, North Carolina

Well ID[1]	Screen Interval (ft bgs)	Deployment:	October 2020	November 2021	July 2022	Average Baseline	August 2023	June 2024	October 2024[2]
		Days Deployed:	14	14	14		14	14	14
		Units:	cm/day	cm/day	cm/day	cm/day	cm/day	cm/day	cm/day
		Aquifer Unit							
OW-57	33-43	Black Creek Aquifer	--	--	--	--	--	--	2.9-5.6
PIW-11	47-57	Black Creek Aquifer	3.6	4.4	6.2	4.7	3.3	3.9	--
PIW-15	34-44	Black Creek Aquifer	3.3	6.2	5.1	4.9	2.9	2.7	--
PIW-1D	25-30	Black Creek Aquifer	5.3	21.9	21.0	16.1	12.6	4.5	--
PIW-3D	19-24	Black Creek Aquifer	7.2	6.5	4.3	6.0	3.2	2.3	--
PIW-4D	32.3-37.3	Black Creek Aquifer	4.5	6.9	8.8	6.7	3.0	3.3	--
PW-10RR[3]	61-71	Black Creek Aquifer	6.6	11.5	7.9	8.7	2.3	2.4	--
PIW-6S	18-28	Floodplain Deposits	3.3	6.0	5.3	4.9	2.7	3.0	--
LTW-04	12-27	Floodplain Deposits	--	6.1	3.2	4.7	3.4	3.9	--
PIW-7D	29-34	Black Creek Aquifer	3.2	8.1	5.8	5.7	3.4	3.3	--
PIW-7S	7-17	Floodplain Deposits	8.4	5.2	6.6	6.7	3.2	3.2	--
PIW-8D	35-40	Black Creek Aquifer	3.1	5.3	2.8	3.7	3.1	3.1	--
OW-28	20-30	Black Creek Aquifer	--	--	6.9	6.9	9.1	7.2	--
OW-4R[3]	51-61	Black Creek Aquifer	--	3.8	6.1	5.0	5.3	3.5	--
OW-30	49-59	Black Creek Aquifer	--	--	17.2	17.2	18.2	12.2	--
OW-40	49-59	Black Creek Aquifer	--	--	6.3	6.3	6.7	5.2	--
Deployment Average Groundwater Flux			4.9	7.7	7.6	6.7	5.5	4.2	--

Notes:

1 - Well IDs are presented in an approximate north to south order.

2 - In October 2024, per NCDEQ request, PFMs were deployed for a fourteen-day period in OW-57 (an original and a duplicate sample).

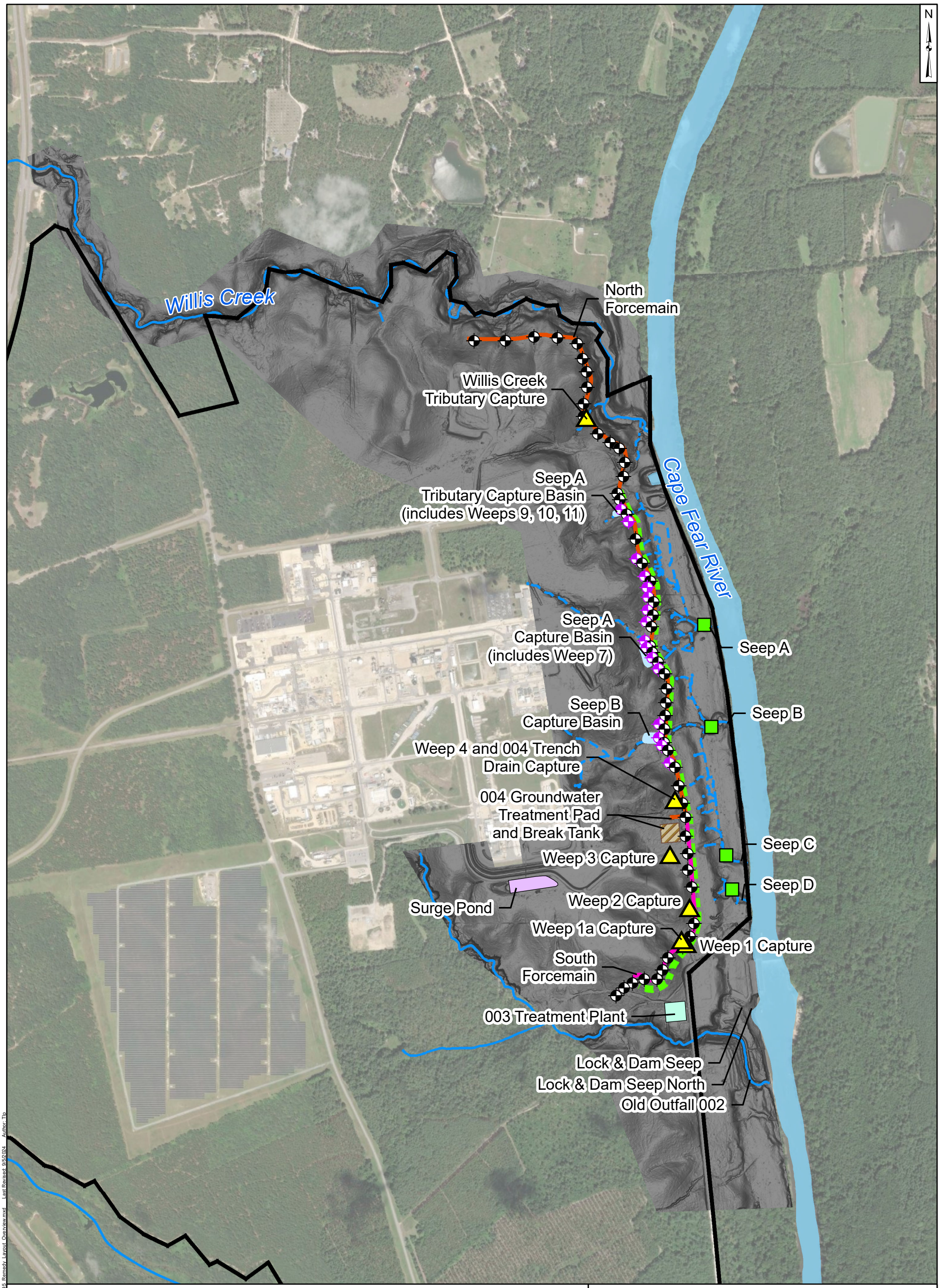
3 - PW-10RR and OW-4R were installed as replacements to the original monitoring wells (PW-10R and OW-4) after the July 2022 deployment and before the August 2023 deployment.

4 - Darcy velocity data is provided by EnviroFlux.

ft bgs - feet below ground surface

cm/day - centimeters per day

Figures



Legend

- Surficial Aquifer Extraction Well
- Black Creek Aquifer Extraction Well
- Ex-situ Capture Location
- Flow-Through Cell
- North Forcemain
- South Forcemain
- Barrier Wall
- Site Boundary
- Seep
- Nearby Tributary to River

Notes:
1. Surficial Aquifer extraction wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Remedy Layout Overview

Chemours Fayetteville Works, North Carolina

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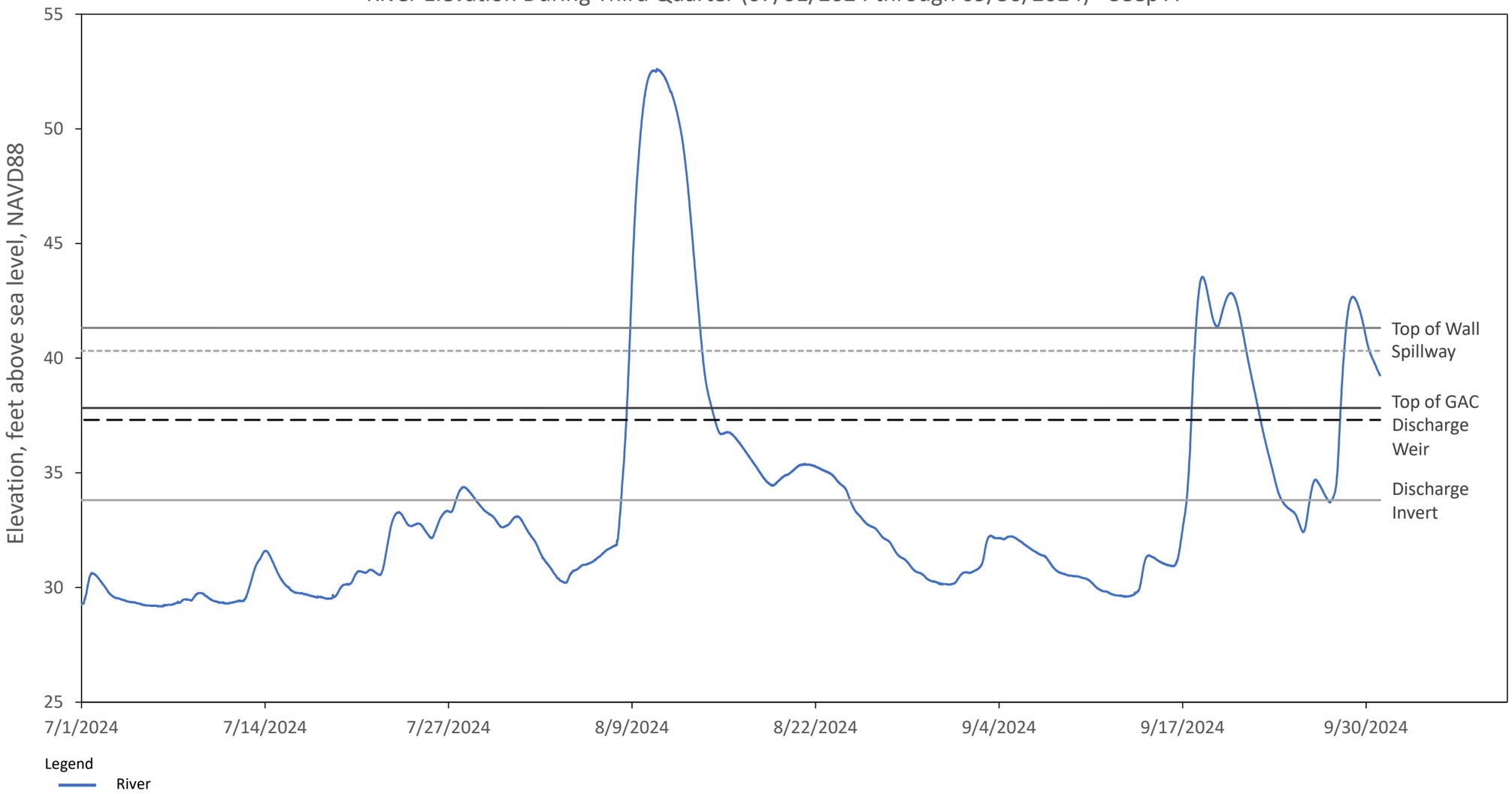
Figure 1-1

Path: \\Geuelph-01\Data\PR\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Remedy_Layout_Overview.mxd Last Revised: 9/5/2024 Author: Tlp

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Notes:
As-built survey information for Seep A from Donaldson Garrett & Associates July 2021.
River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.
FB1/FB2 = Filter Bed 1/Filter Bed 2
GAC = Granular Activated Carbon
FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep A

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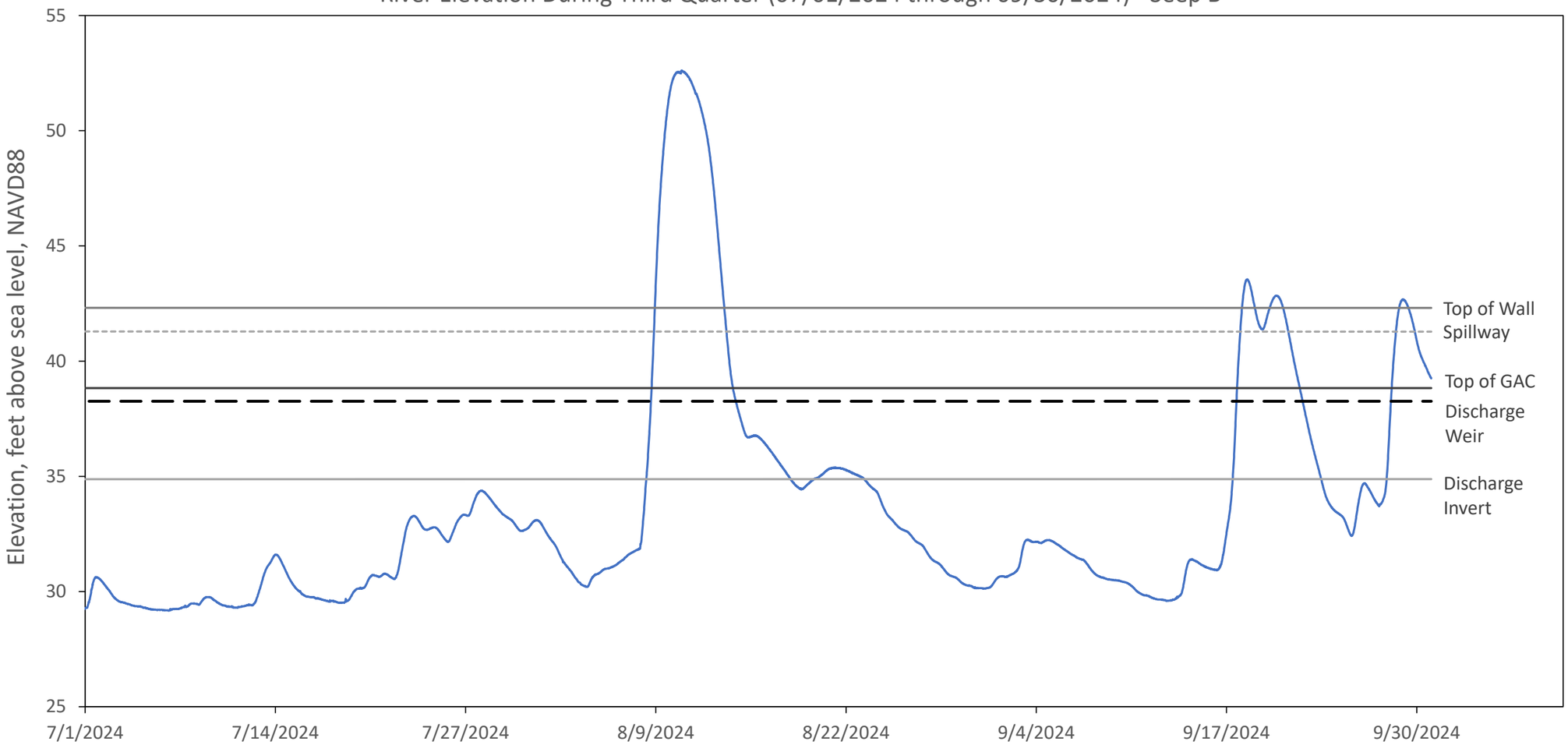
Figure 2-1A



Notes:
As-built survey information for Seep B from Donaldson Garrett & Associates July 2021.
River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.
FB1/FB2 = Filter Bed 1/Filter Bed 2
GAC = Granular Activated Carbon
FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep B

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Figure

2-1B

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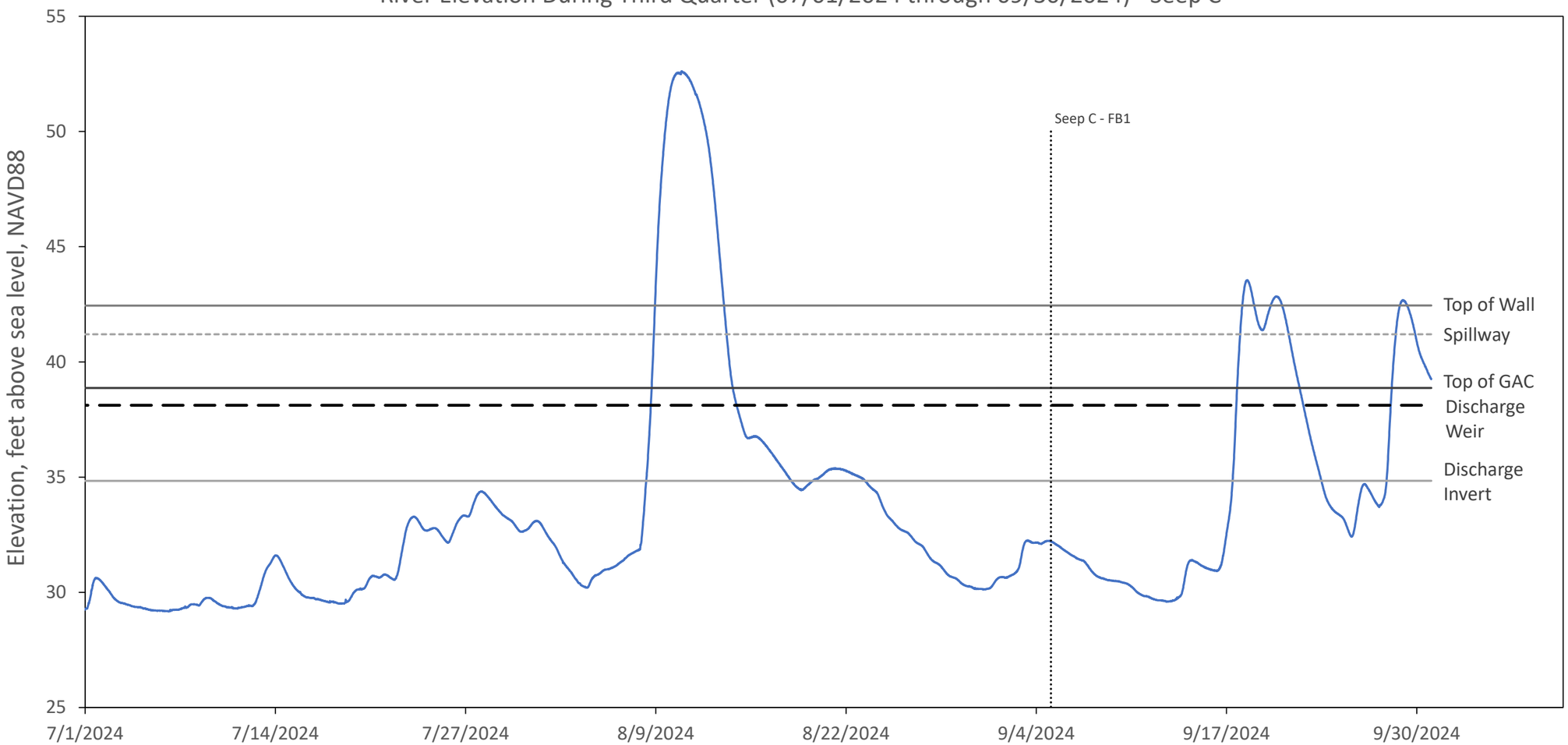

Legend

River

GAC Changeout

Notes:

As-built survey information for Seep C from RMA Surveying October 2020.

River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.

FB1/FB2 = Filter Bed 1/Filter Bed 2

GAC = Granular Activated Carbon

FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep C

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Figure

2-1C

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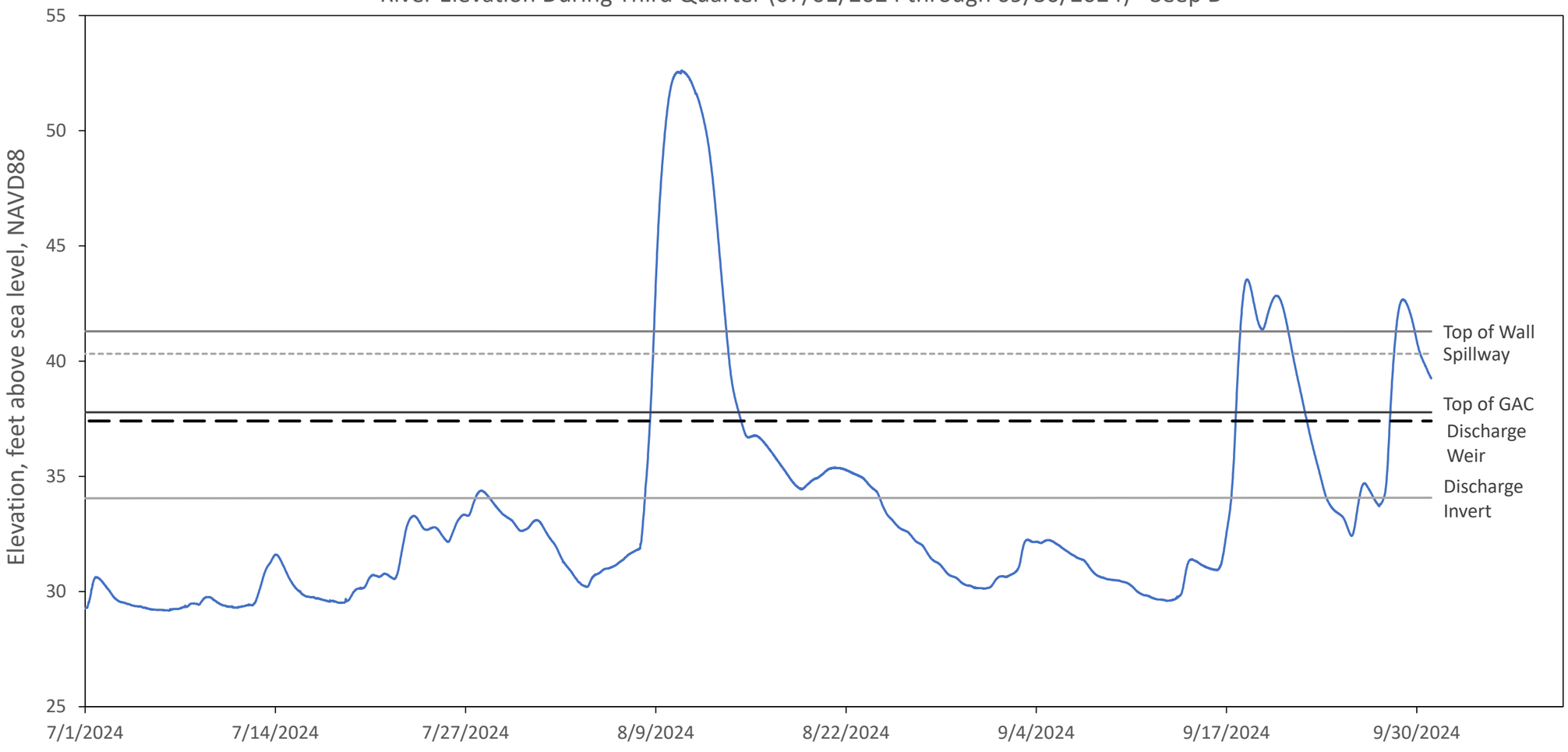

Notes:
As-built survey information for Seep D from Donaldson Garrett & Associates July 2021.
River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.
FB1/FB2 = Filter Bed 1/Filter Bed 2
GAC = Granular Activated Carbon
FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep D

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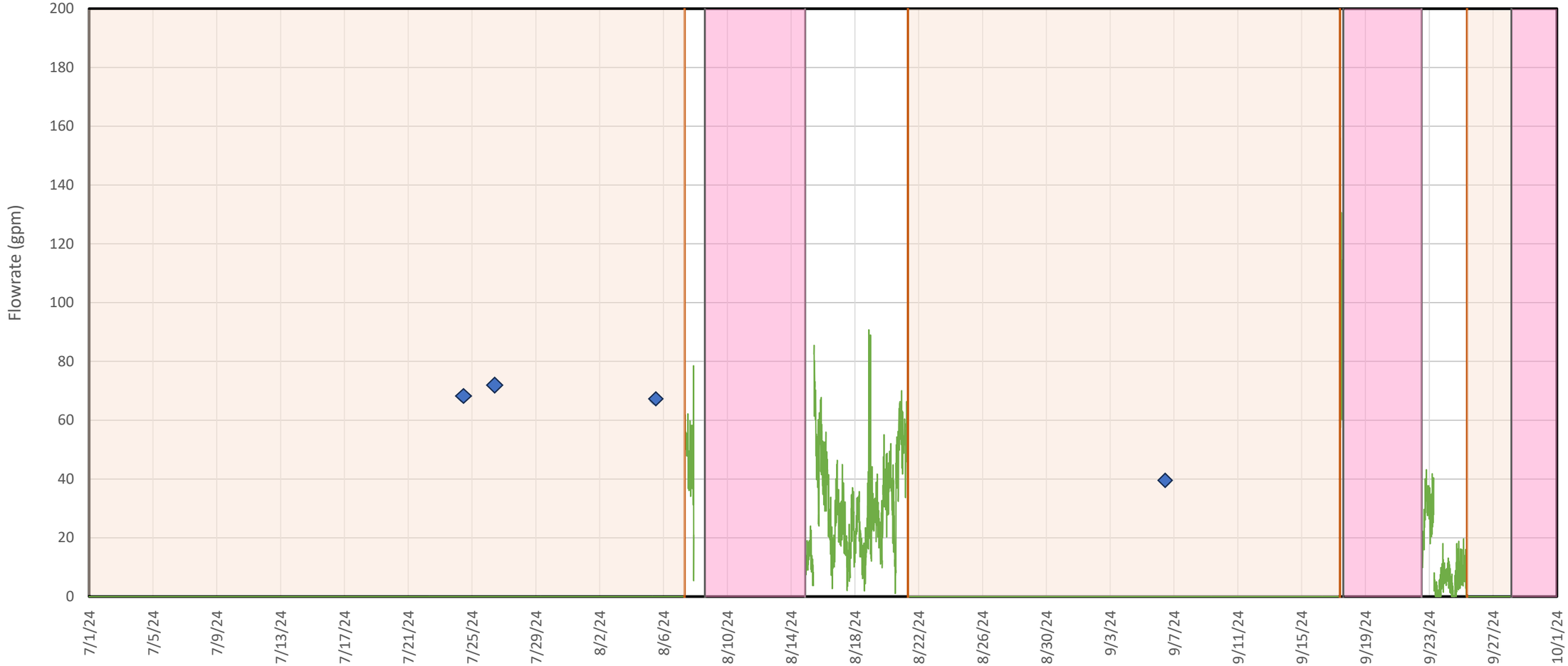
Figure 2-1D



Legend

- Measured Discharge Flowrate
- Pumping Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation

Notes:

gpm - gallons per minute

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts two types of processing: (1) Passive flow through the system is calculated using the Effluent Stilling Basin transducer data (solid green). (2) Periodically during batch mode, the impoundment was pumped into the filter beds through a flowmeter skid; the approximate flow rate during intermittent pumping is shown with blue diamond symbols.

FTC - Flow-Through Cell

FTC Discharge Flowrate
(Jul - Sep 2024) - Seep A

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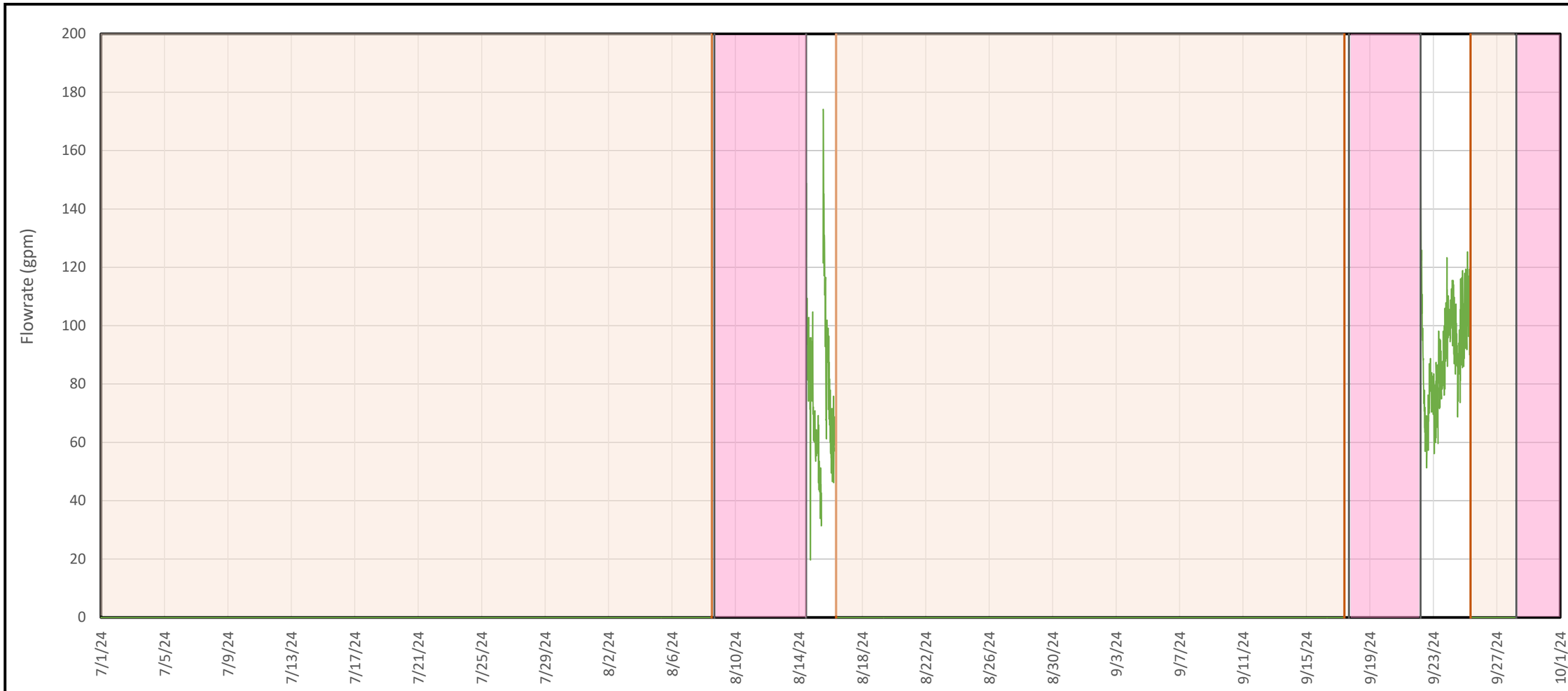
Figure

2-2A



Legend

- Measured Discharge Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation

Notes:
gpm - gallons per minute
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data.
FTC - Flow-Through Cell

FTC Discharge Flowrate
(Jul - Sep 2024) - Seep B

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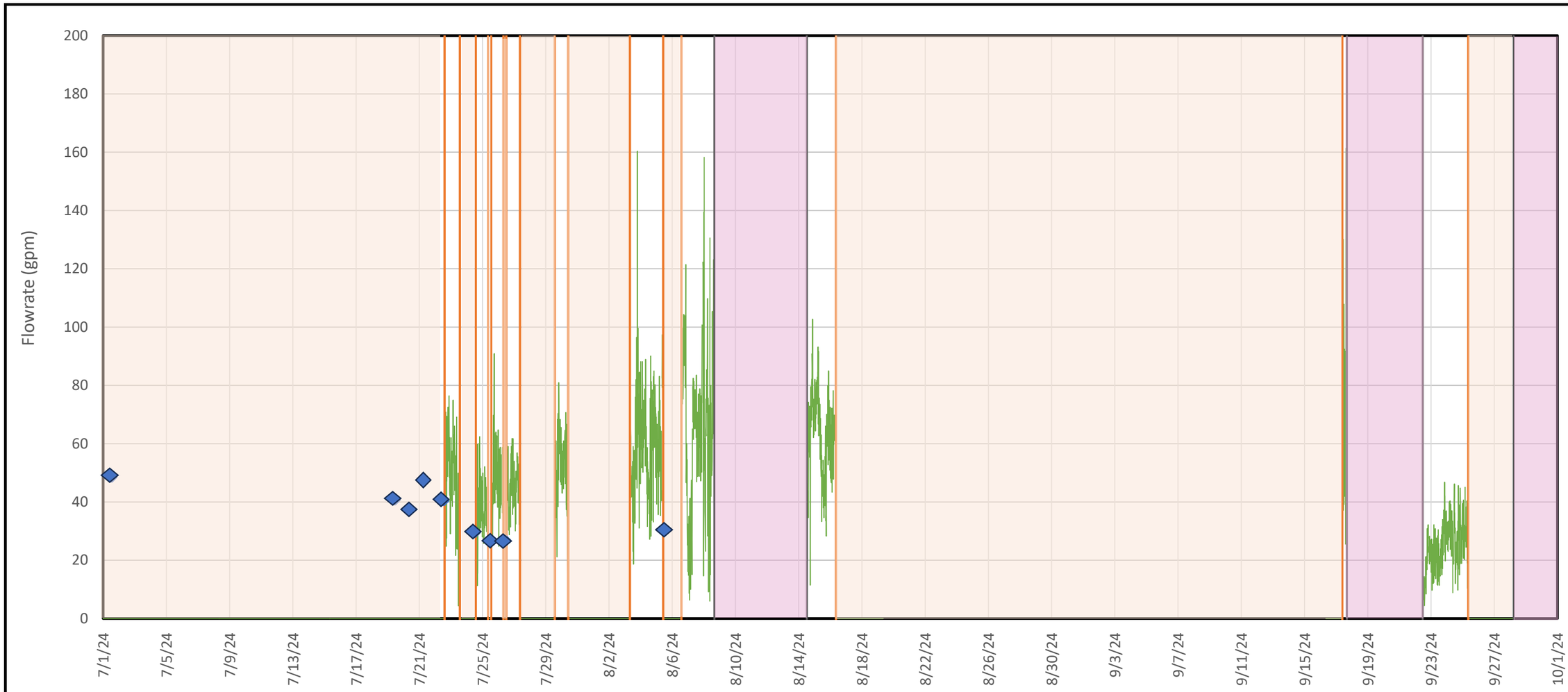
Figure 2-2B



Legend

- Measured Discharge Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation
- Pumping Flowrate

Notes:

gpm - gallons per minute

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts two types of processing: (1) Passive flow through the system is calculated using the Effluent Stilling Basin transducer data (solid green). (2) Periodically during batch mode, the impoundment was pumped into the filter beds through a flowmeter skid; the approximate flow rate during intermittent pumping is shown with blue diamond symbols.

FTC - Flow-Through Cell

FTC Discharge Flowrate
(Jul - Sep 2024) - Seep C

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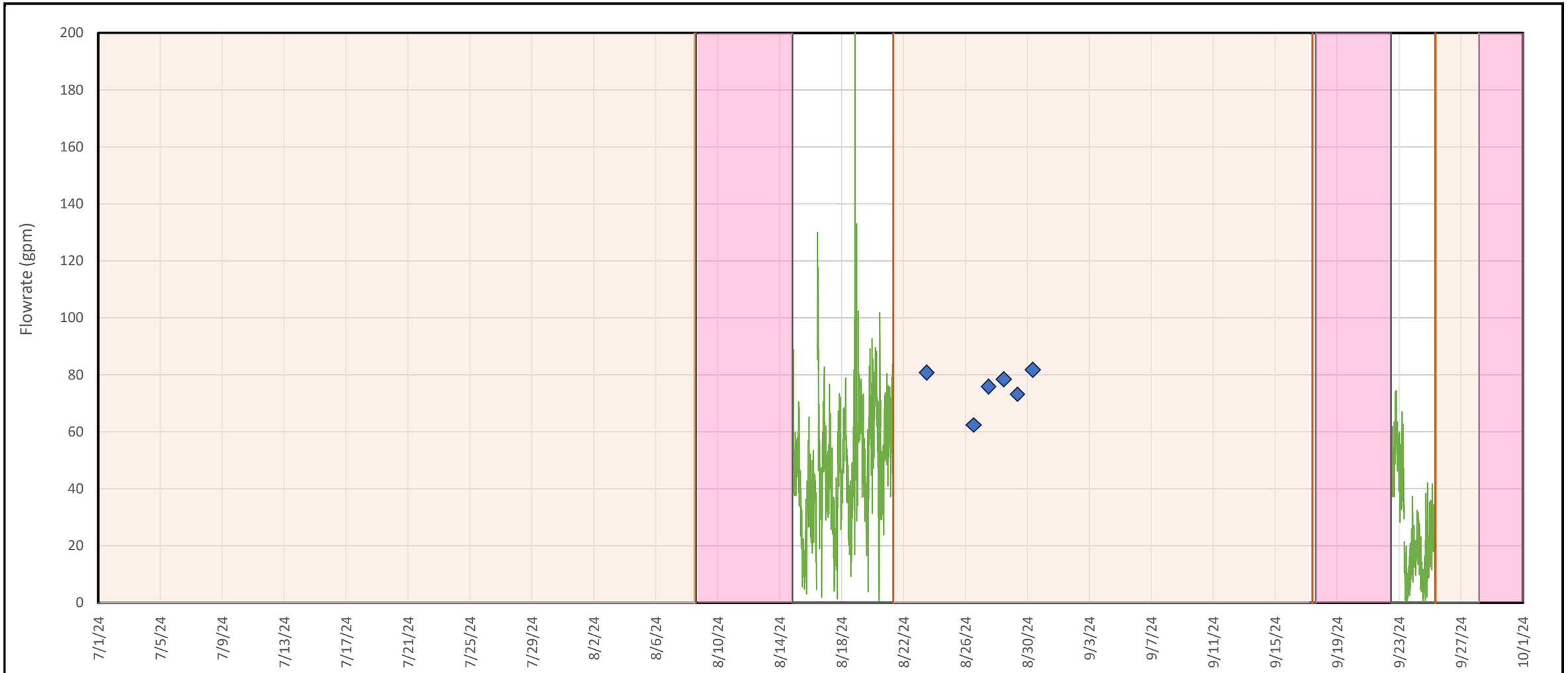
Figure 2-2C



Legend

- Measured Discharge Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation
- Pumping Flowrate

Notes:

gpm - gallons per minute

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts two types of processing: (1) Passive flow through the system is calculated using the Effluent Stilling Basin transducer data (solid green). (2) Periodically during batch mode, the impoundment was pumped into the filter beds through a flowmeter skid; the approximate flow rate during intermittent pumping is shown with blue diamond symbols.

FTC - Flow-Through Cell

FTC Discharge Flowrate
(Jul - Sep 2024) - Seep D

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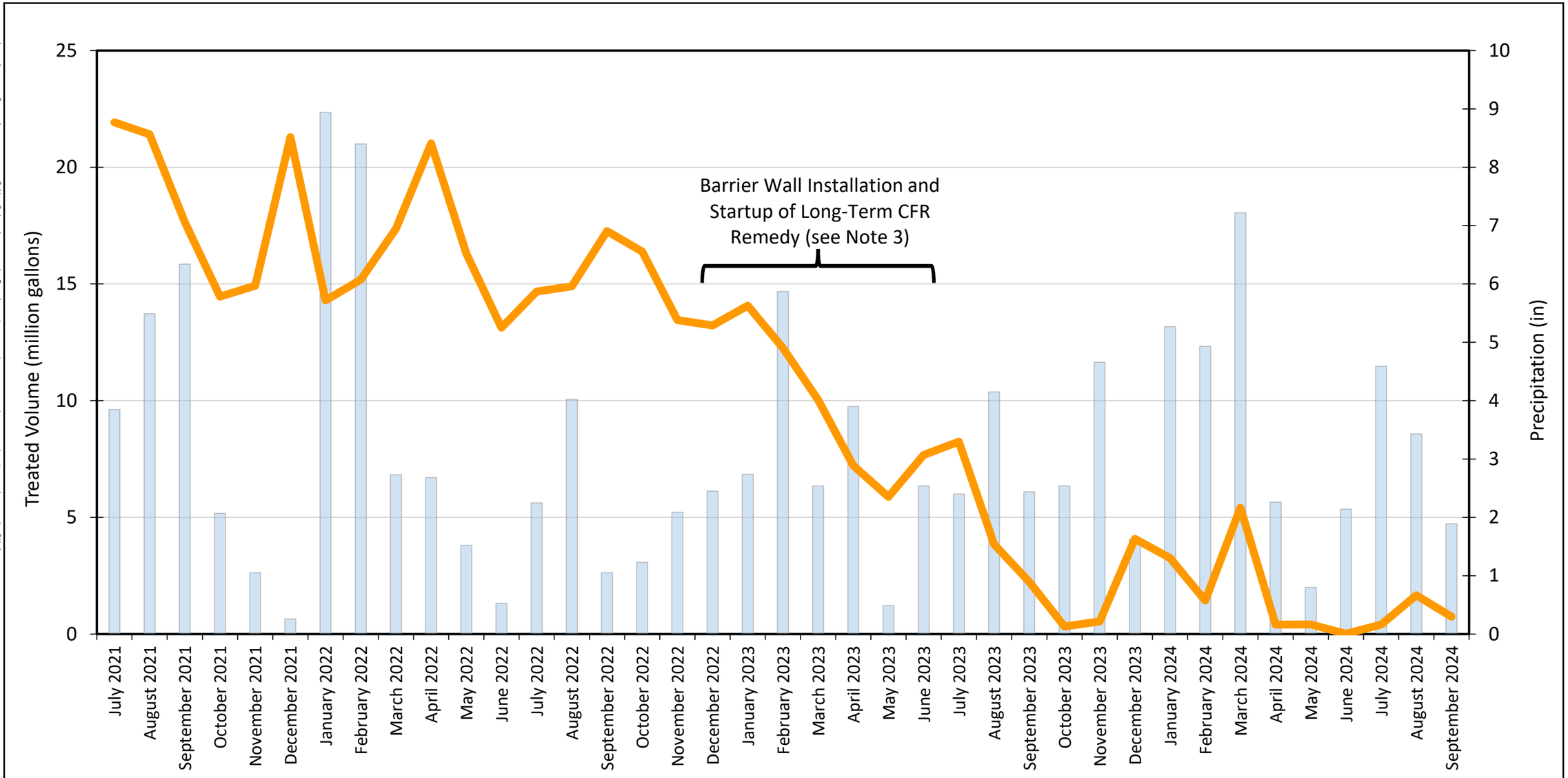
Figure 2-2D



Legend

Monthly Total Volume Treated by the Flow-Through Cells (FTCs)

USGS Precipitation (monthly totals)

Notes:

1. The FTCs at Seeps A, B, C, and D became operational by late June 2021. This figure represents the monthly total volume treated by the FTCs beginning July 2021.
2. Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
3. The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023. The groundwater extraction startup was initiated March 2023 and the ex-situ seep and weep capture systems were initiated April 2023.

FTC Monthly Total Discharge Volumes (July 2021 - September 2024)

Chemours Fayetteville Works
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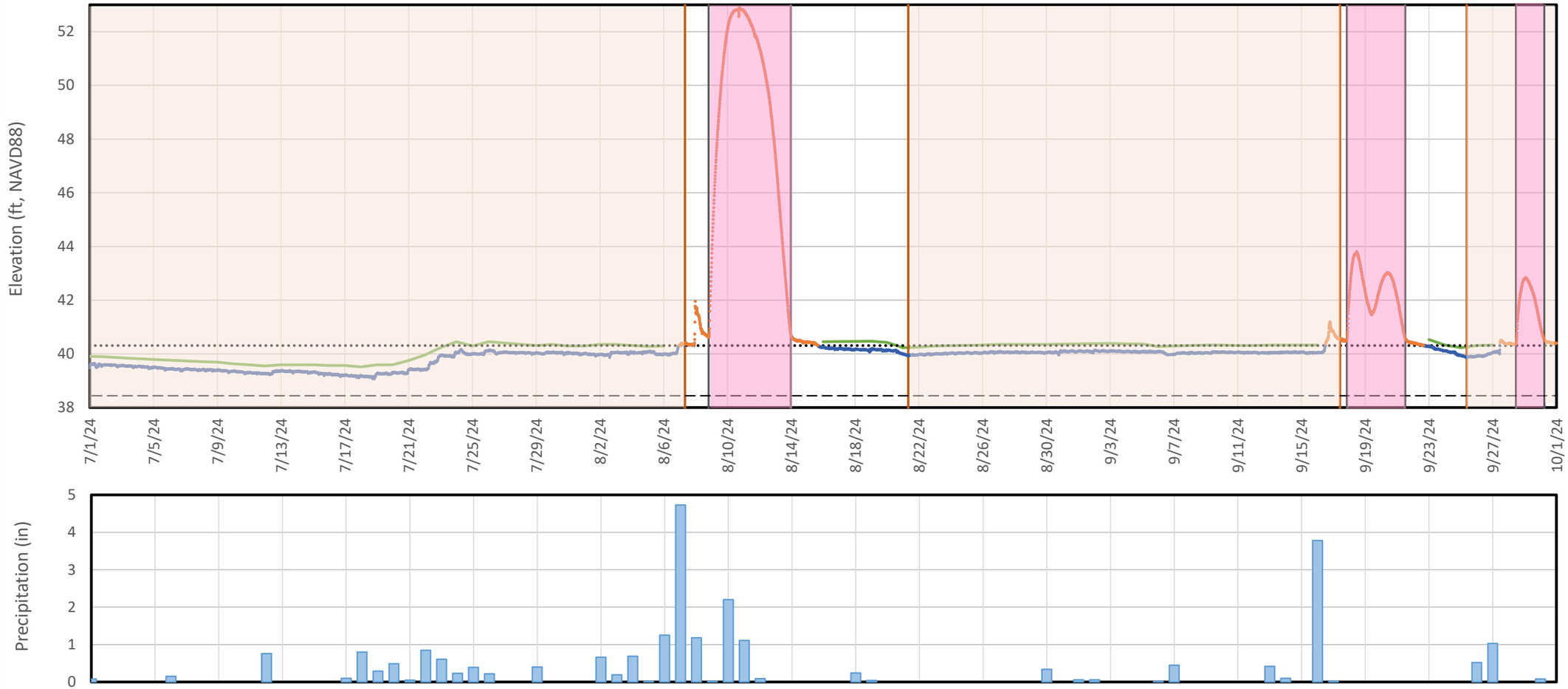
Figure 2-3



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Staff Gauge Water Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow
- Inlet Weir Elevation
- Cape Fear River Above Spillway

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line. The daily staff gauge water elevations collected during the reporting period are shown as a green line.

Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.

FTC - Flow-Through Cell

FTC Influent and Staff Gauge Water Elevation (Jul - Sep 2024) - Seep A

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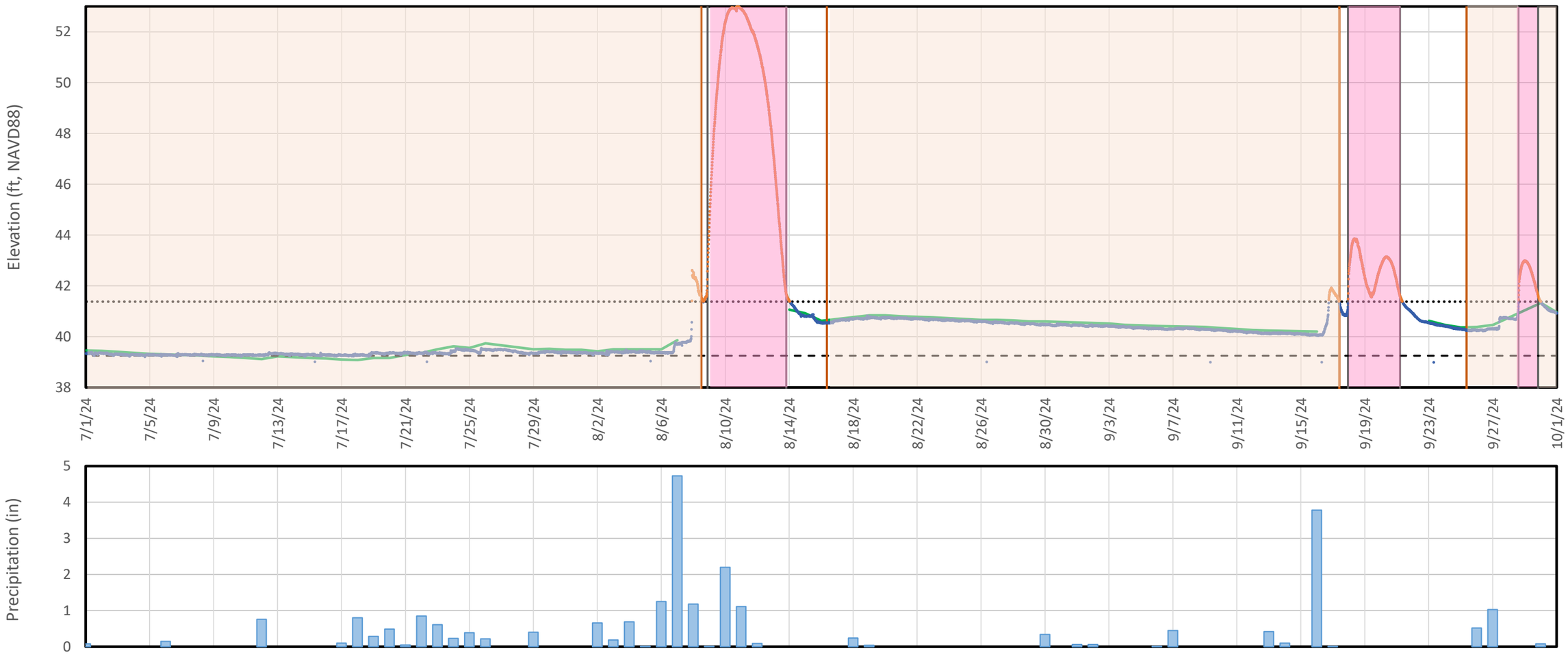
Figure 2-4A



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Staff Gauge Water Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow
- Inlet Weir Elevation
- Cape Fear River Above Spillway

Notes:
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line. The daily staff gauge water elevations collected during the reporting period are shown as a green line.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
FTC - Flow-Through Cell

FTC Influent and Staff Gauge Water Elevation (Jul - Sep 2024) - Seep B

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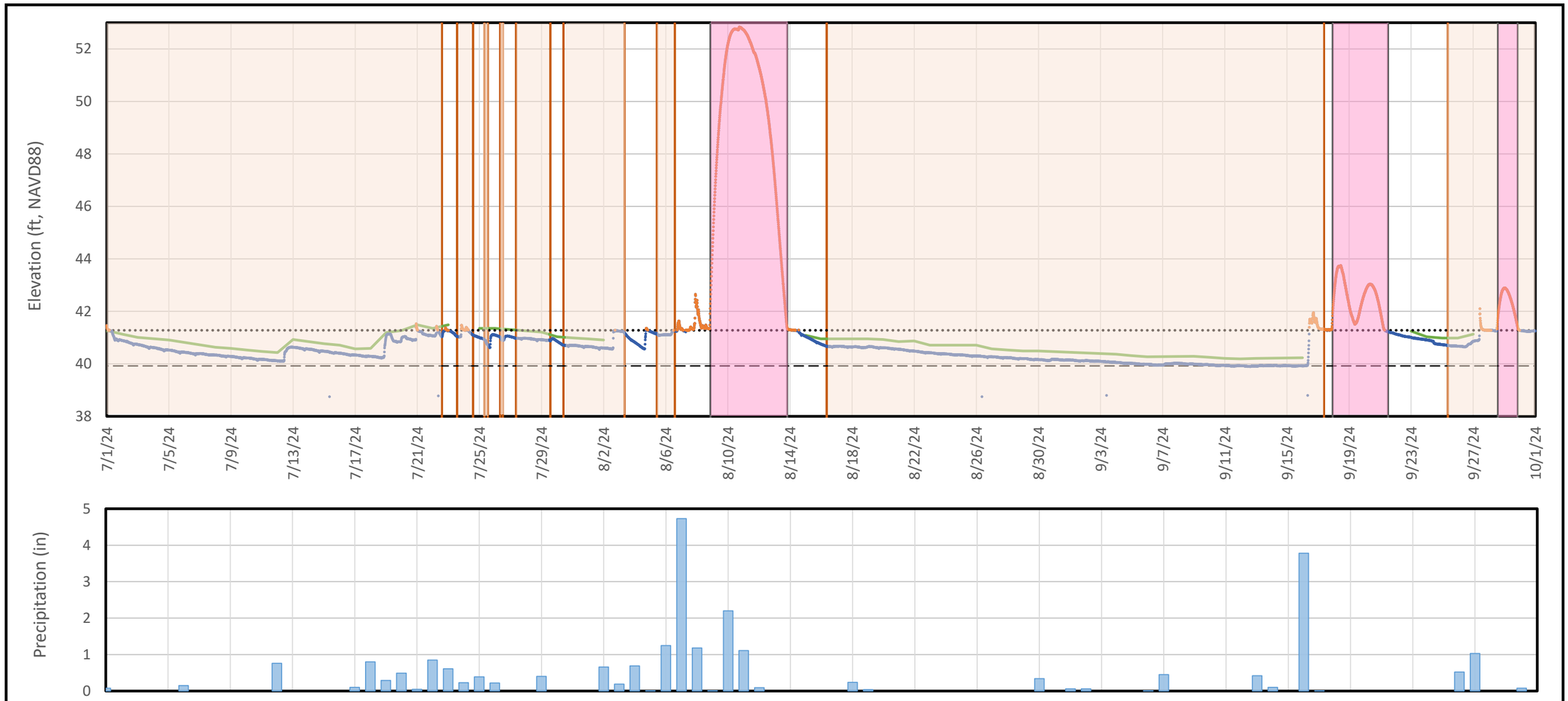
Figure 2-4B



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Staff Gauge Water Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow
- Inlet Weir Elevation
- Cape Fear River Above Spillway

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line. The daily staff gauge water elevations collected during the reporting period are shown as a green line. Elevation differences between the influent stilling basin transducer and impoundment staff gauge are attributed to discrepancies in survey datum.

Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

FTC - Flow-Through Cell

FTC Influent and Staff Gauge Water Elevation (Jul - Sep 2024) - Seep C

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Fayetteville, North Carolina

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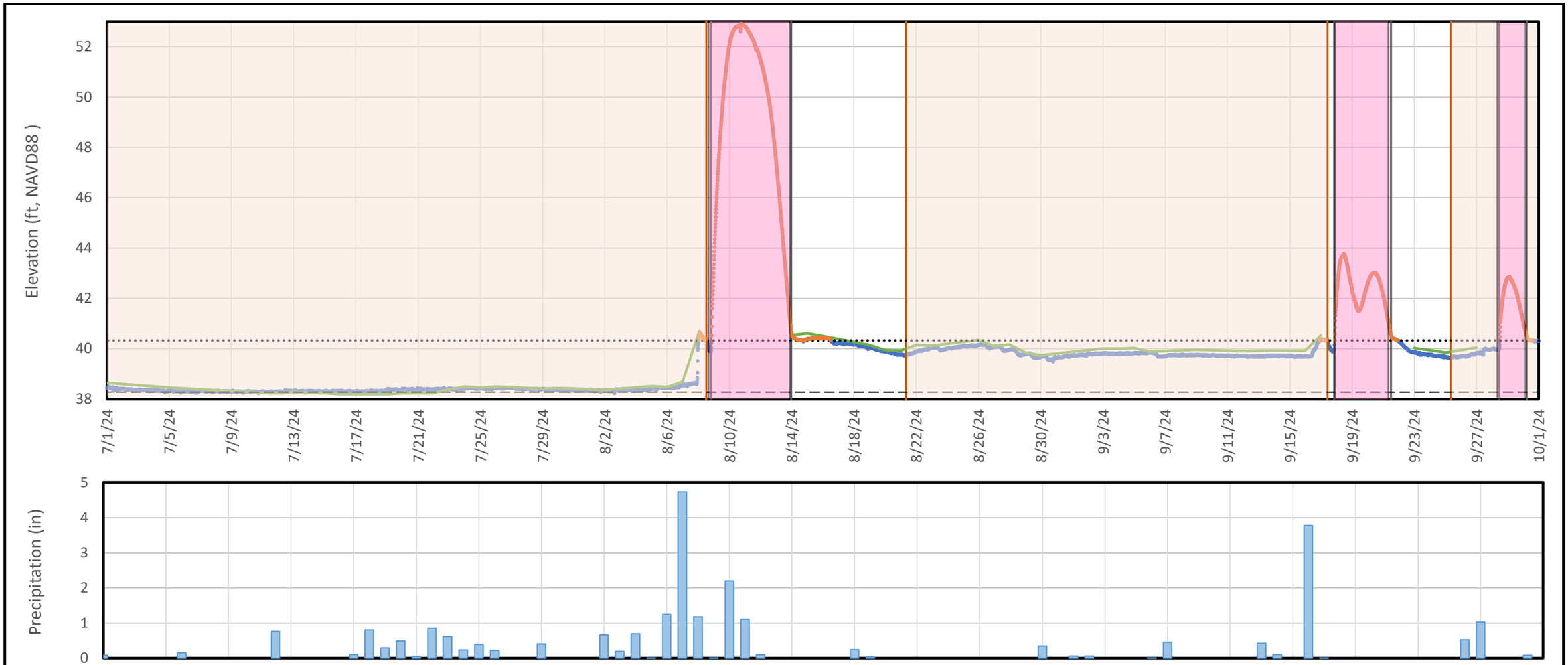
Figure 2-4C



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Staff Gauge Water Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow
- Inlet Weir Elevation
- Cape Fear River Above Spillway Elevation

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line. The daily staff gauge water elevations collected during the reporting period are shown as a green line. Elevation differences between the influent stilling basin transducer and impoundment staff gauge are attributed to discrepancies in survey datum.

Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

FTC - Flow-Through Cell

FTC Influent and Staff Gauge Water Elevation (Jul - Sep 2024) - Seep D

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Fayetteville, North Carolina

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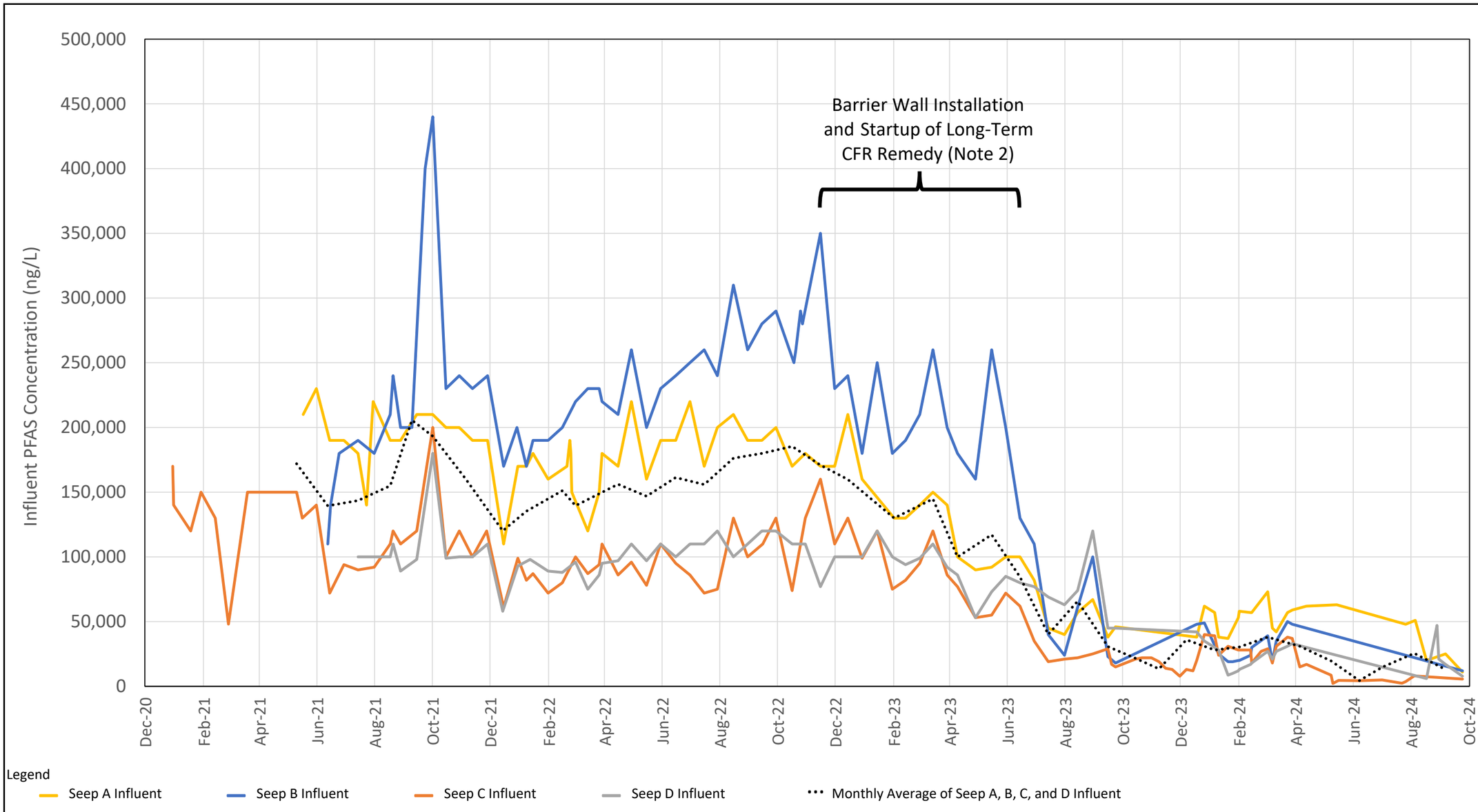
Figure 2-4D



Notes:
1. The flow through cells (FTCs) at Seeps A, B, C, and D all became operational by late June 2021. This figure represents the monthly influent concentration of Total Table 3+ PFAS (17+ compounds).
2. The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023. The groundwater extraction startup was initiated March 2023 and the ex-situ seep and weep capture systems were initiated April 2023.

FTC Influent PFAS Concentrations

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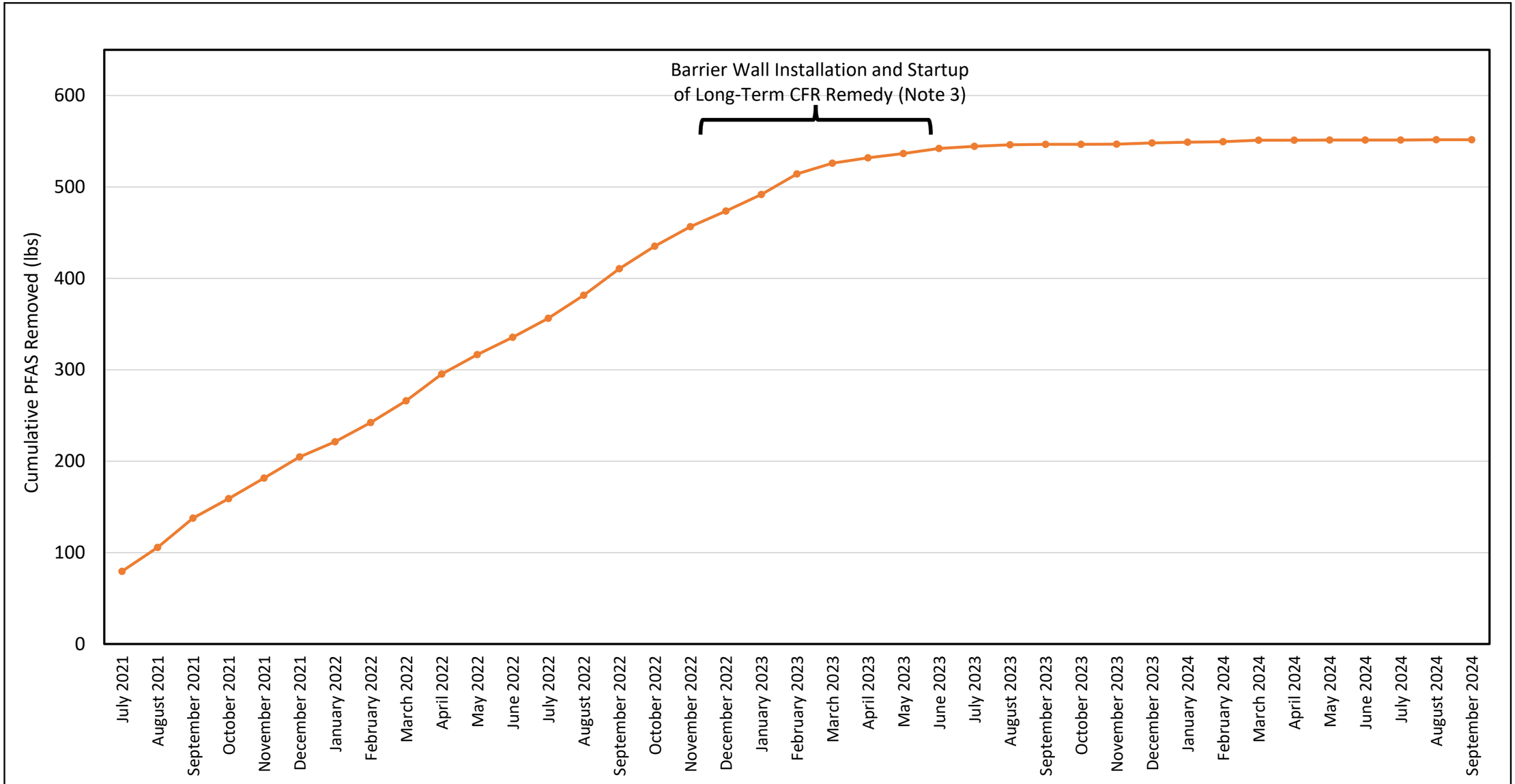
Figure 2-5



Notes:
1. The FTCs at Seeps A, B, C, and D became operational by late June 2021. This figure presents the cumulative pounds (lbs) of PFAS removed by the FTCs beginning July 2021.
2. Total lbs of PFAS removed is calculated for Total Table 3+ (17 Compounds).
3. The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023. The groundwater extraction startup was initiated March 2023 and the ex-situ seep and weep capture systems were initiated April 2023.

FTC Mass Removal Curve
(July 2021 - September 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

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Figure 2-6

N

Willis Creek

Cape Fear River

SMW-03B
SMW-09
SMW-12
PW-02
BCA-01
PW-14
PW-03
BCA-02
PW-04
PW-15R
NAF-11B
PIW-14
PIW-2D
PIW-13
PIW-12
PIW-11
WC-SW-5
WC-SW-4
WC-SW-3
WC-SW-2
WC-SW-1
PIW-15
PIW-1D
PIW-4D
PIW-3D
PIW-5SR
PW-10RR
LTW-02
LTW-03
LTW-04
LTW-05
PZ-22
PIW-8D
PIW-7S
PIW-7D
PW-11
PIW-10DR
PW-4R
PW-9R
OW-11
OW-59
OW-41
OW-57
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OW-19
OW-35
OW-34
OW-53
OW-21
OW-36
OW-8
OW-7
OW-2
OW-3
OW-14

Legend

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Black Creek Aquifer Extraction Well
- Surficial Aquifer Extraction Well
- Surficial and Black Creek Aquifer Extraction Well
- Willis Creek Stilling Well
- Hydraulic Head Observation (Existing Well)
- Hydraulic Head Observation (New Observation Well - Black Creek Aquifer)
- Hydraulic Head Observation (New Observation Well - Surficial Aquifer)
- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 ft NAVD88
- Groundwater Treatment Pad
- Ground Surface Elevation Contour (ft NAVD88) - 10 feet interval
- Seep
- Nearby Tributary
- Nearby Tributary to River
- Cape Fear River

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Some wells have been offset for visibility. Therefore, the placement of wells on this map do not reflect their true geographic coordinates.
2. Ground surface elevation contours are based on 20-foot DEM grid cells generated from LiDAR. Data from NC OneMap (https://assets.nconemap.gov/pages/hub/ncom-contours-dd.htm).
3. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
4. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

500 250 0 500 Feet

Hydraulic Head Evaluation Network for Groundwater Remedy

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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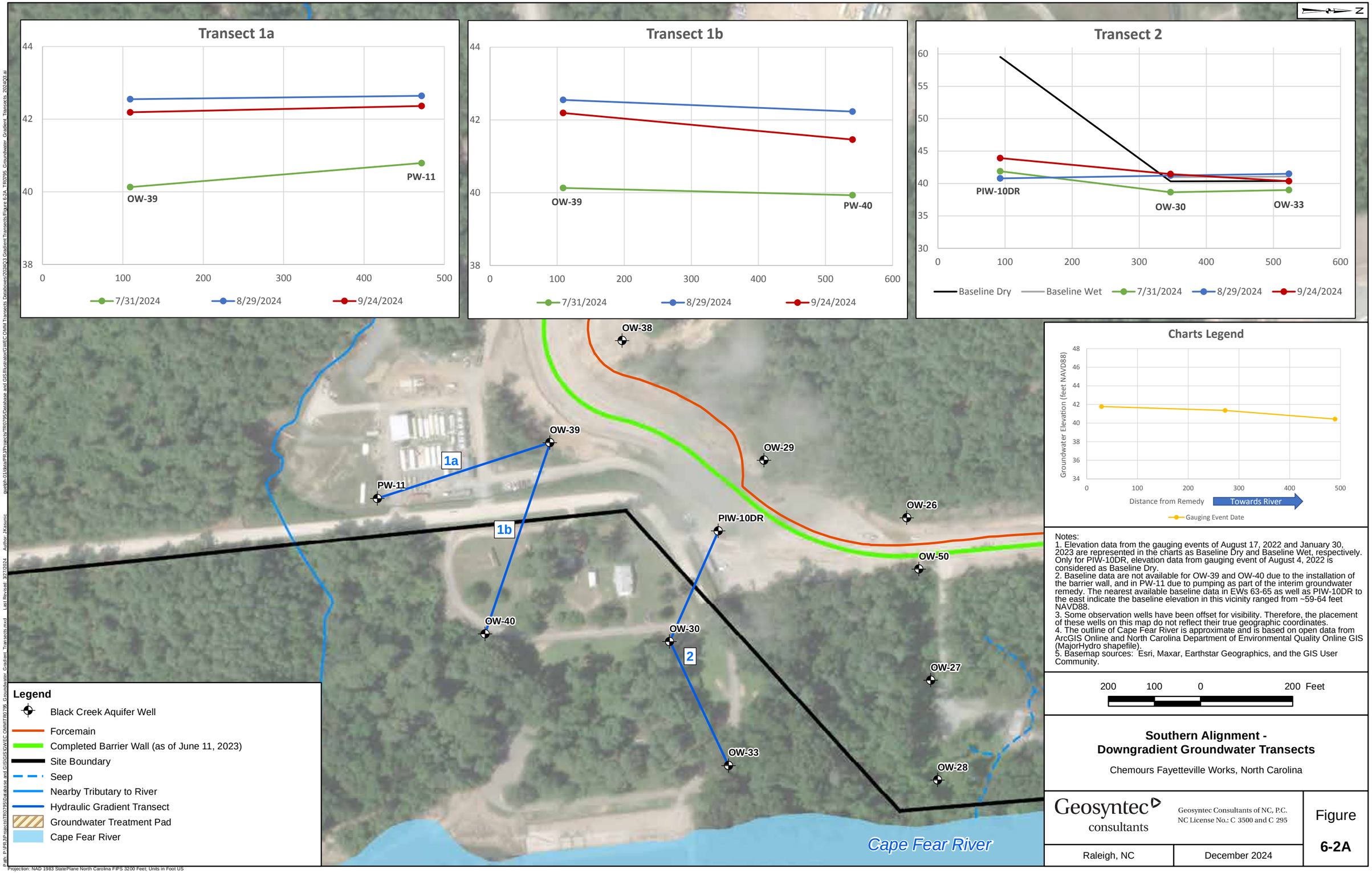
Raleigh, NC

December 2024

Figure 6-1

Path: P:\PRJ\Projects\TR0796\Database and GIS\GIS\GW\EC OMM\TR0796 Hydraulic Head Evaluation Network for Groundwater Remedy Landscape Nov2024.mxd Last Revised: 11/22/2024 Author: Tp

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Path: P:\PR\JP\projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Groundwater_Gradient_Transects.mxd Last Revised: 3/27/2024 Author: JKasunic guelph-01\data\PR\JP\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\2024Q3 Gradient Transects\Figure 6-2A_TR0795_Groundwater_Gradient_Transects_2024Q3.ai

Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively. Only for PIW-10DR, elevation data from gauging event of August 4, 2022 is considered as Baseline Dry.
2. Baseline data are not available for OW-39 and OW-40 due to the installation of the barrier wall, and in PW-11 due to pumping as part of the interim groundwater remedy. The nearest available baseline data in EWs 63-65 as well as PIW-10DR to the east indicate the baseline elevation in this vicinity ranged from ~59-64 feet NAVD88.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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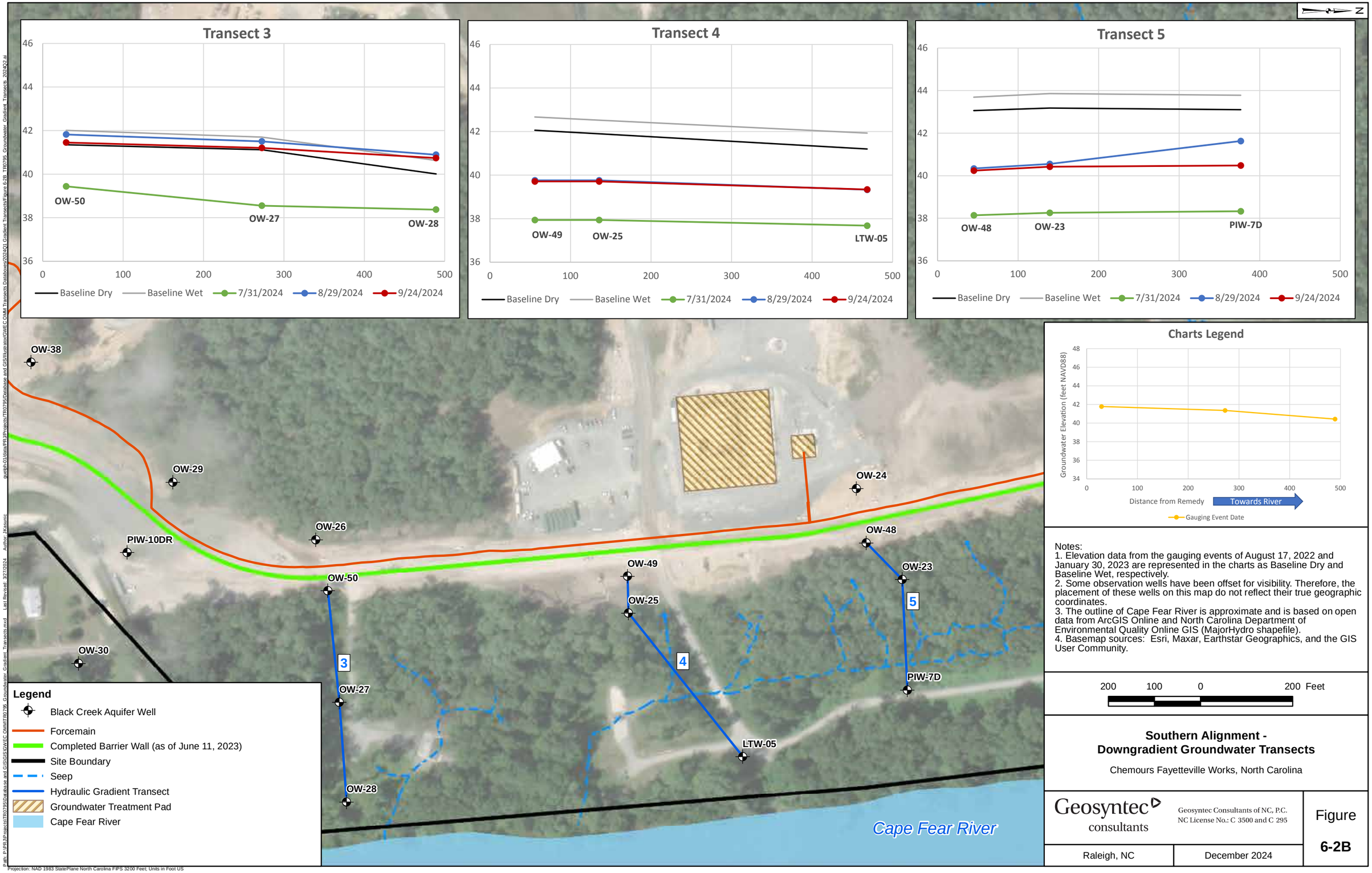
Figure **6-2A**



Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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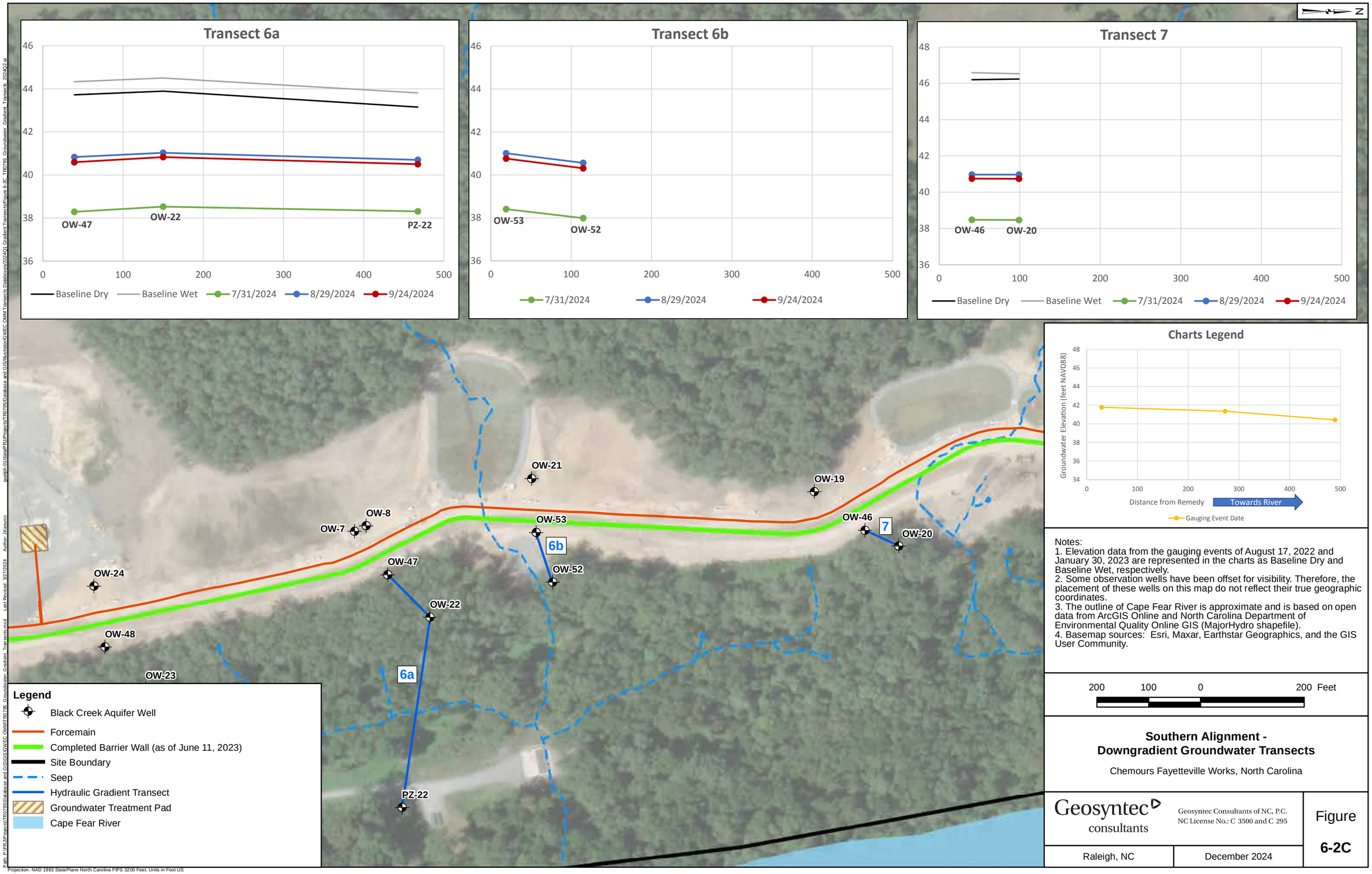
Figure **6-2B**

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Path: P:\PR3JP\projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Groundwater_Gradient_Transects.mxd Last Revised: 3/27/2024 Author: JKasunic guelph-01\data\PR3JP\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\2024Q1 Gradient Transects\Figure 6-2B_TR0795_Groundwater_Gradient_Transects_2024Q2.ai



Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment -
Downgradient Groundwater Transects

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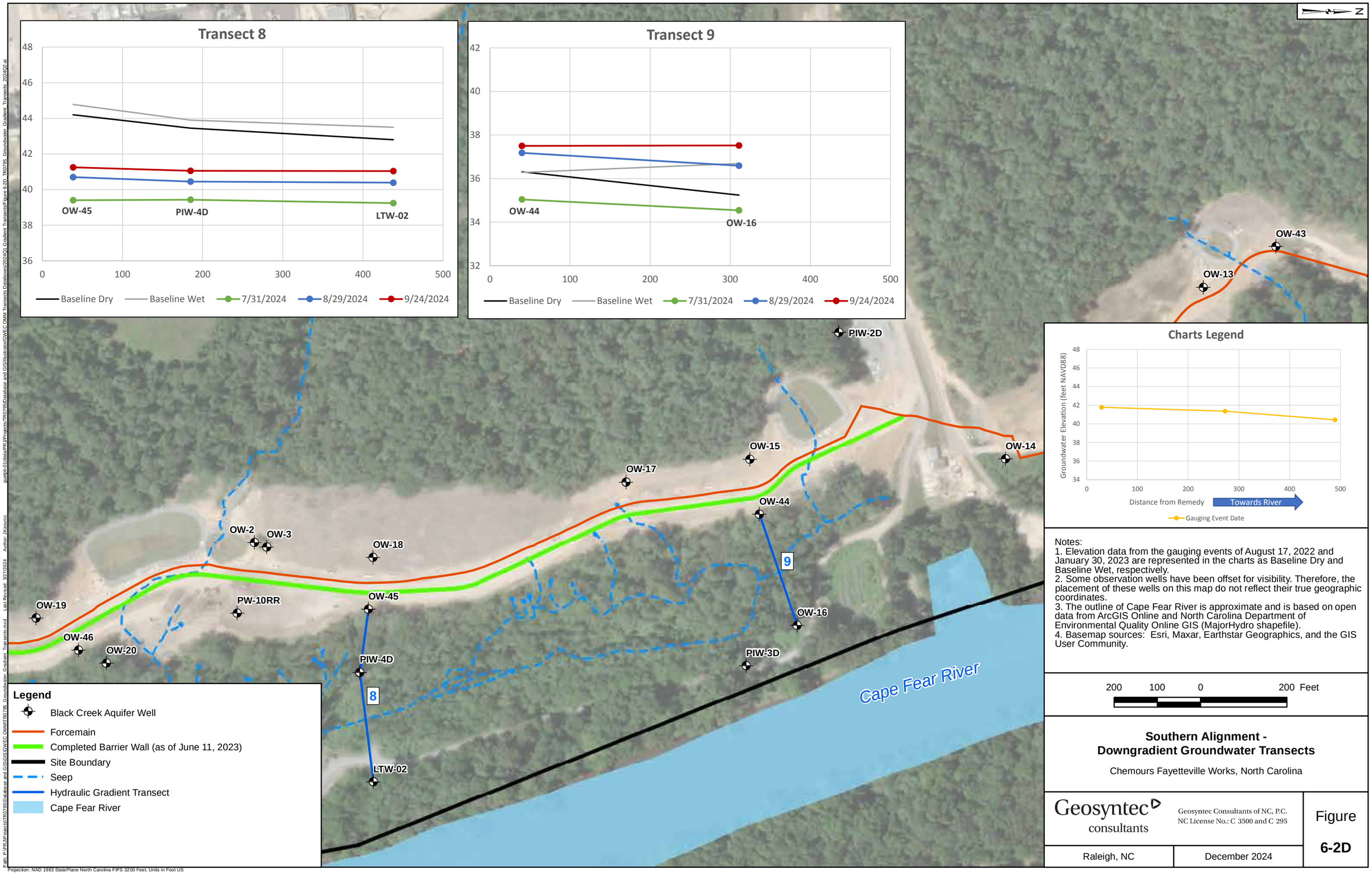
Figure
6-2C

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\SGWEC OMM\TR0795 Groundwater Gradient Transects.mxd Last Revised: 3/27/2024 Author: JKasunic guelph-01\data\PRJ\Projects\TR0795\Database and GIS\Illustrator\SGWEC OMM Transects Databoxes\2024Q1 Gradient Transects\Figure 6-2C_TR0795_Groundwater Gradient Transects_2024Q2.ai



Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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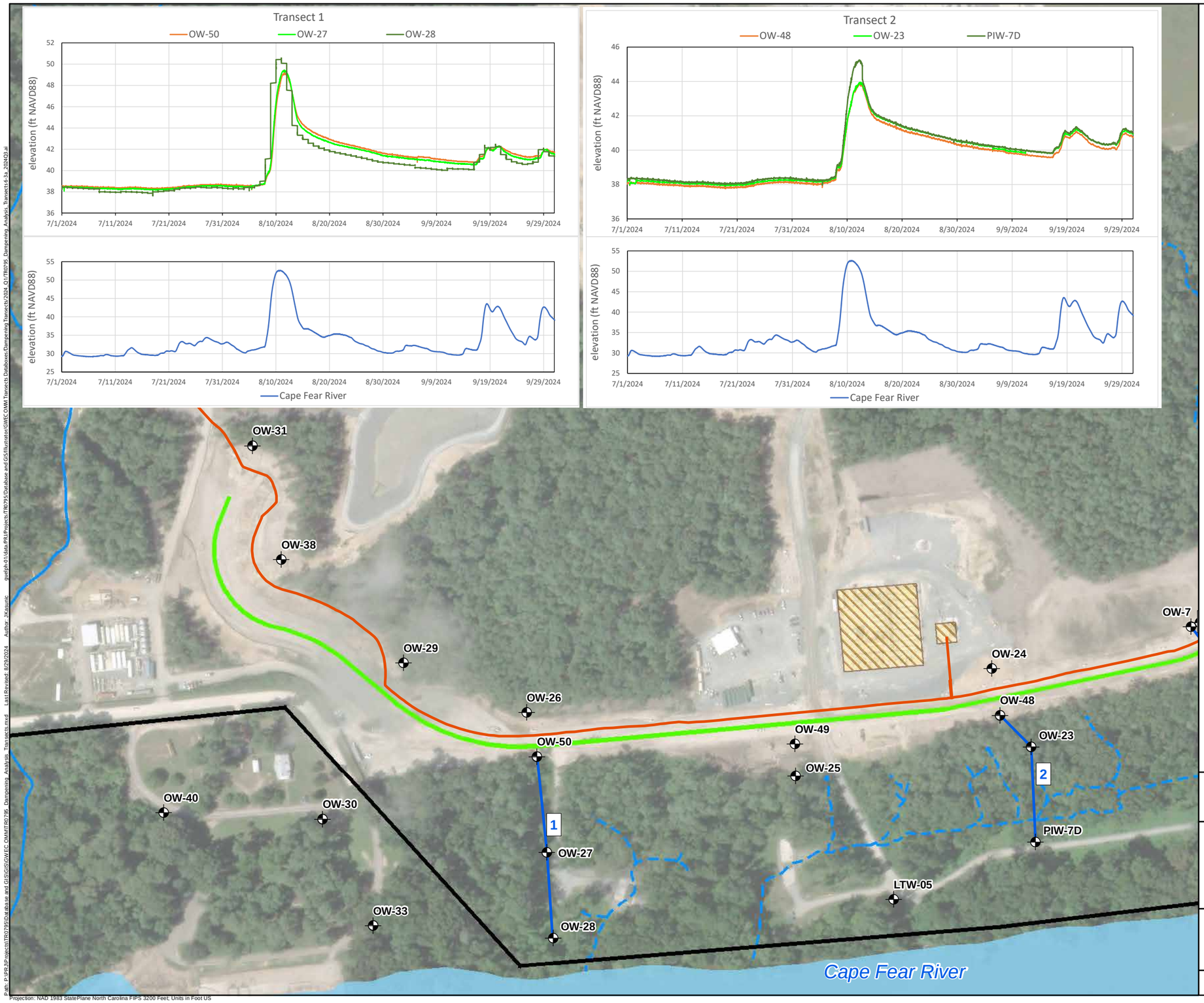
Figure **6-2D**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMMT\R0795 Groundwater Gradient Transects Database and GIS\Illustrator\GWEC OMM Transects Database\2024Q1 Gradient Transects\Figure 6-2D TR0795 Groundwater Gradient Transects 2024Q2.ai
Author: JKsaunic
Last Revised: 3/27/2024
guelph-01\data\PRJ\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Database\2024Q1 Gradient Transects\Figure 6-2D TR0795 Groundwater Gradient Transects 2024Q2.ai
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

- Black Creek Aquifer
- Forcemain
- Completed Barrier Wall (as of June 11, 2023)
- Site Boundary
- Seep
- Nearby Tributary to River
- Dampening Analysis
- Groundwater Treatment Pad
- Cape Fear River

Notes:
1. Groundwater elevation in observations wells downgradient of the barrier wall is susceptible to fluctuations in Cape Fear River elevation, thereby influencing the downgradient groundwater transects.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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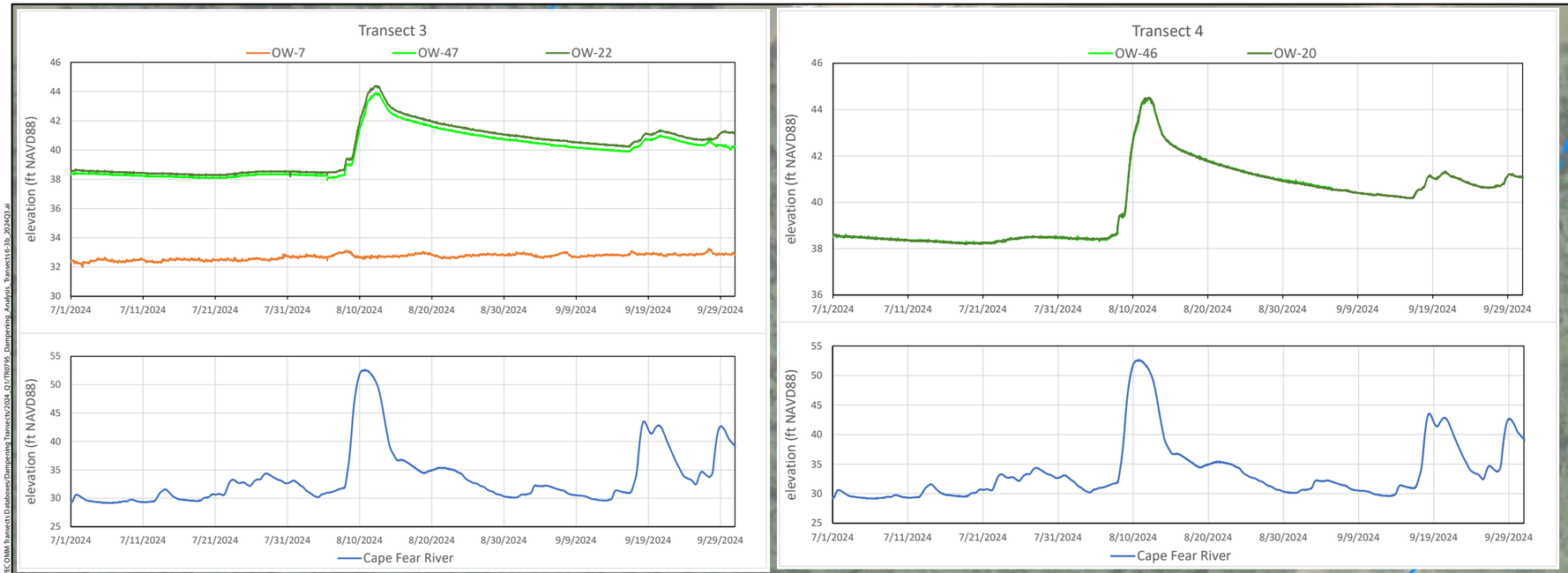
Figure **6-3A**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\GW EC OMMT\R0795_Dampening_Analysis_Transects.mxd Last Revised: 8/29/2024 Author: JKatsunic gwfsqh-01\data\PR\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\Dampening Transects\2024_Q1\TR0795_Dampening_Analysis_Transects 6-3 a_20240glaxe and GIS\Illustrator\GWEC OMM Transects Databoxes\Dampening Transects\2024_Q1\TR0795_Dampening_Analysis_Transects 6-3 a_20240

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



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Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

N

Legend

- Black Creek Aquifer
- Forcemain
- Completed Barrier Wall (as of June 11, 2023)
- Site Boundary
- Seep
- Dampening Analysis
- Cape Fear River

Notes:
1. Gap in elevation data for OW-46 is due to malfunctioning of the installed transducer.
2. Groundwater elevation in observations wells downgradient of the barrier wall is susceptible to fluctuations in Cape Fear River elevation, thereby influencing the downgradient groundwater transects.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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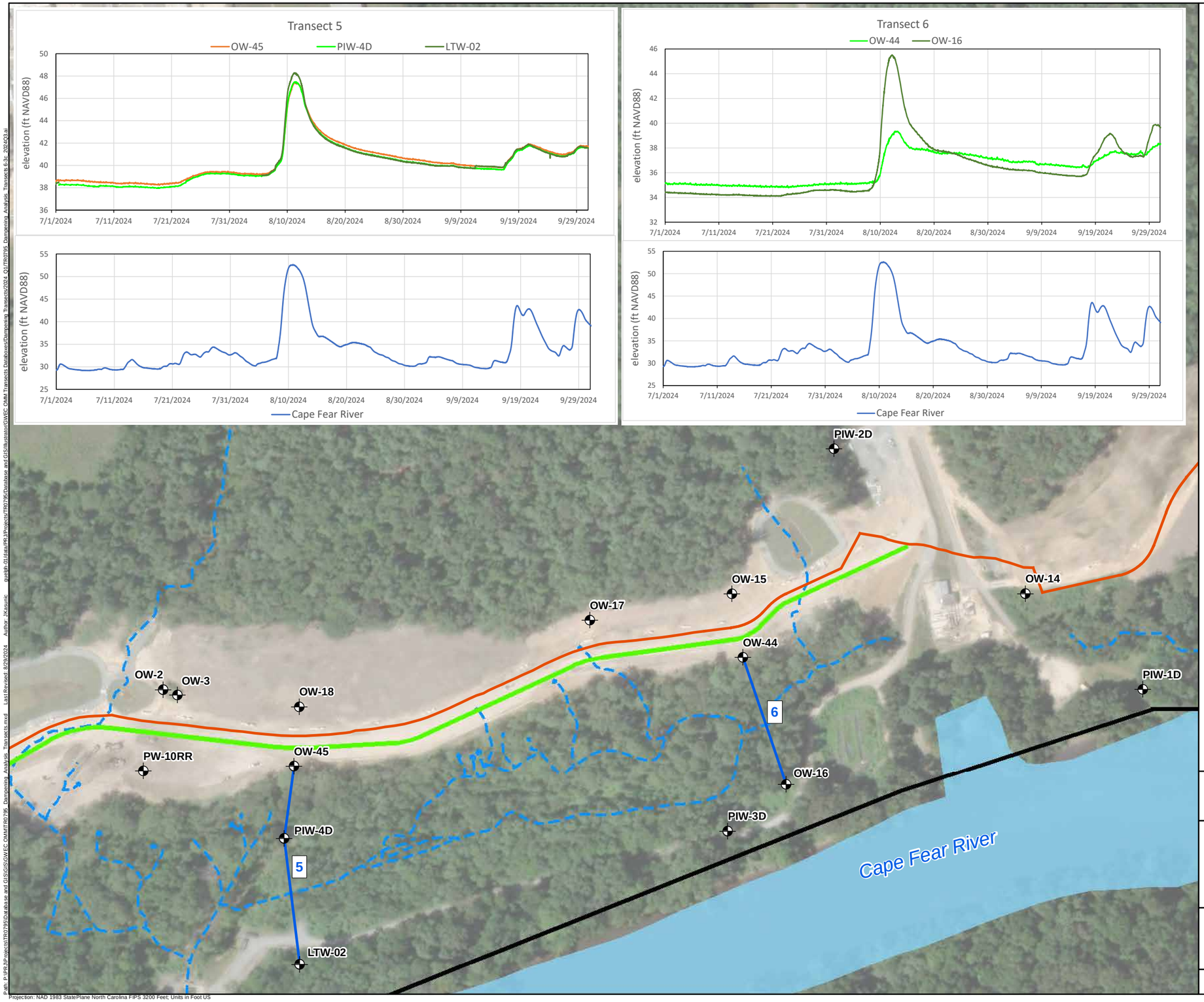
Figure **6-3B**



Legend

- Black Creek Aquifer
- Forcemain
- Completed Barrier Wall (as of June 11, 2023)
- Site Boundary
- Seep
- Dampening Analysis
- Cape Fear River

Notes:
1. Gap in elevation data for LTW-02 is due to malfunctioning of the installed transducer.
2. Groundwater elevation in observations wells downgradient of the barrier wall is susceptible to fluctuations in Cape Fear River elevation, thereby influencing the downgradient groundwater transects.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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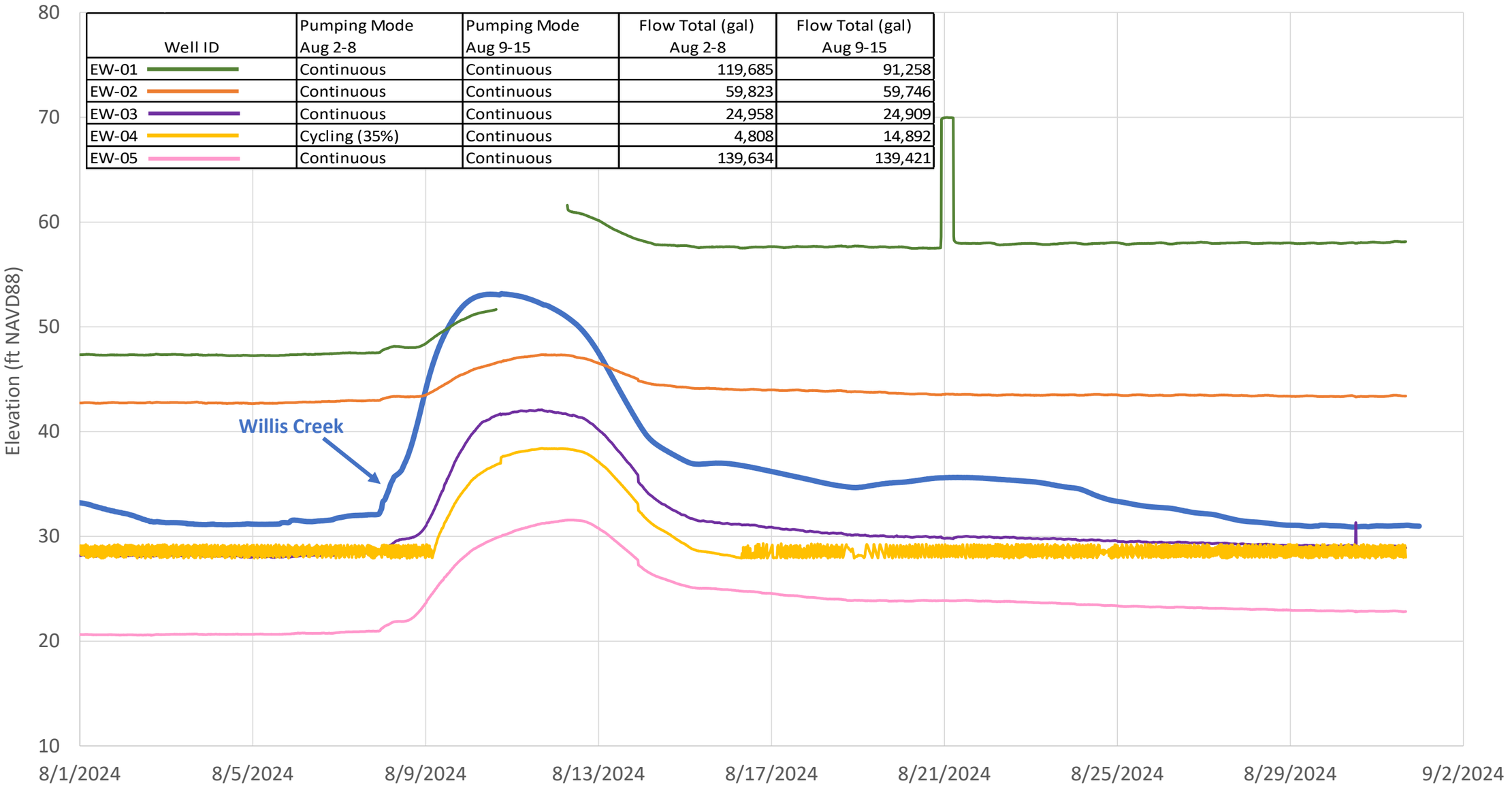
Figure **6-3C**

Path: P:\PR JP\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Dampening_Analysis_Transects.mxd Last Revised: 8/29/2024 Author: JKrasnic qualgis-01\data\PR JP\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\Dampening Transects\2024 Q1\TR0795_Dampening_Analysis_Transects 6-3c_2024Q3.ai

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Well ID	Pumping Mode Aug 2-8	Pumping Mode Aug 9-15	Flow Total (gal) Aug 2-8	Flow Total (gal) Aug 9-15
EW-01	Continuous	Continuous	119,685	91,258
EW-02	Continuous	Continuous	59,823	59,746
EW-03	Continuous	Continuous	24,958	24,909
EW-04	Cycling (35%)	Continuous	4,808	14,892
EW-05	Continuous	Continuous	139,634	139,421



Willis Creek

Notes:
Willis Creek elevation data is from a transducer deployed in a locally installed stilling well, converted to NAVD88.
Extraction Well (EW) level data is from transducer deployed in each well, converted to NAVD88.
Willis Creek and EW data recorded at 30 minute and 15 minute frequency intervals, respectively.
For EW-01, the data gap between August 10 and August 12 is because it was out of service during that time.
If a pump is pumping for 90% of the time or more, then it's pumping mode is considered continuous.

Interaction Between Willis Creek and Extraction Wells: EW-01 through EW-05
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Fayetteville, North Carolina

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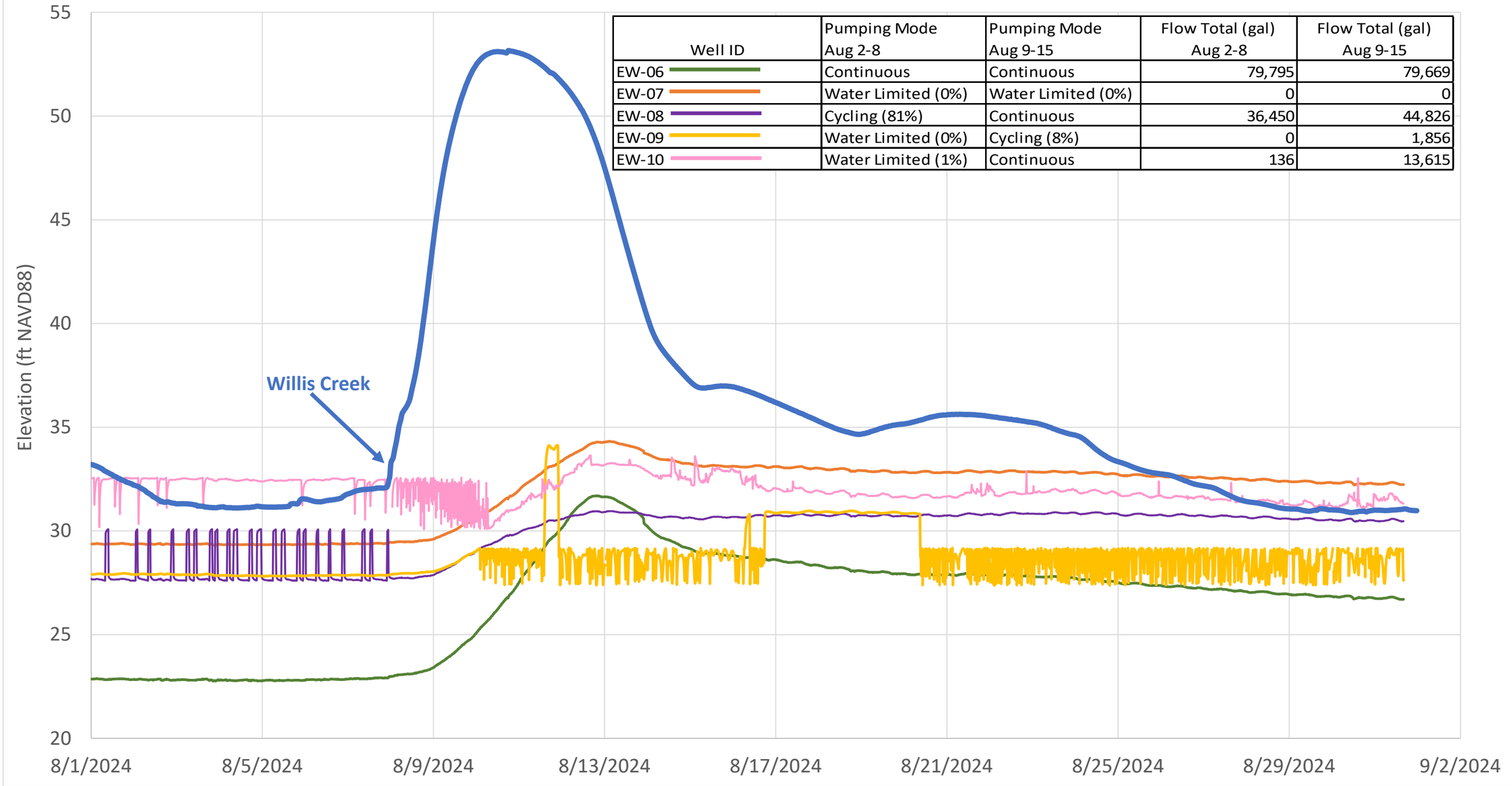
Raleigh, NC | December 2024

Figure 6-4A

Well ID	Pumping Mode Aug 2-8	Pumping Mode Aug 9-15	Flow Total (gal) Aug 2-8	Flow Total (gal) Aug 9-15
EW-06	Continuous	Continuous	79,795	79,669
EW-07	Water Limited (0%)	Water Limited (0%)	0	0
EW-08	Cycling (81%)	Continuous	36,450	44,826
EW-09	Water Limited (0%)	Cycling (8%)	0	1,856
EW-10	Water Limited (1%)	Continuous	136	13,615



Willis Creek

Notes:
Willis Creek elevation data is from a transducer deployed in a locally installed stilling well, converted to NAVD88.
Extraction Well (EW) level data is from transducer deployed in each well, converted to NAVD88.
Willis Creek and EW data recorded at 30 minute and 15 minute frequency intervals, respectively.
If a pump is pumping for 90% of the time or more, then it's pumping mode is considered continuous.

Interaction Between Willis Creek and Extraction Wells: EW-06 through EW-10

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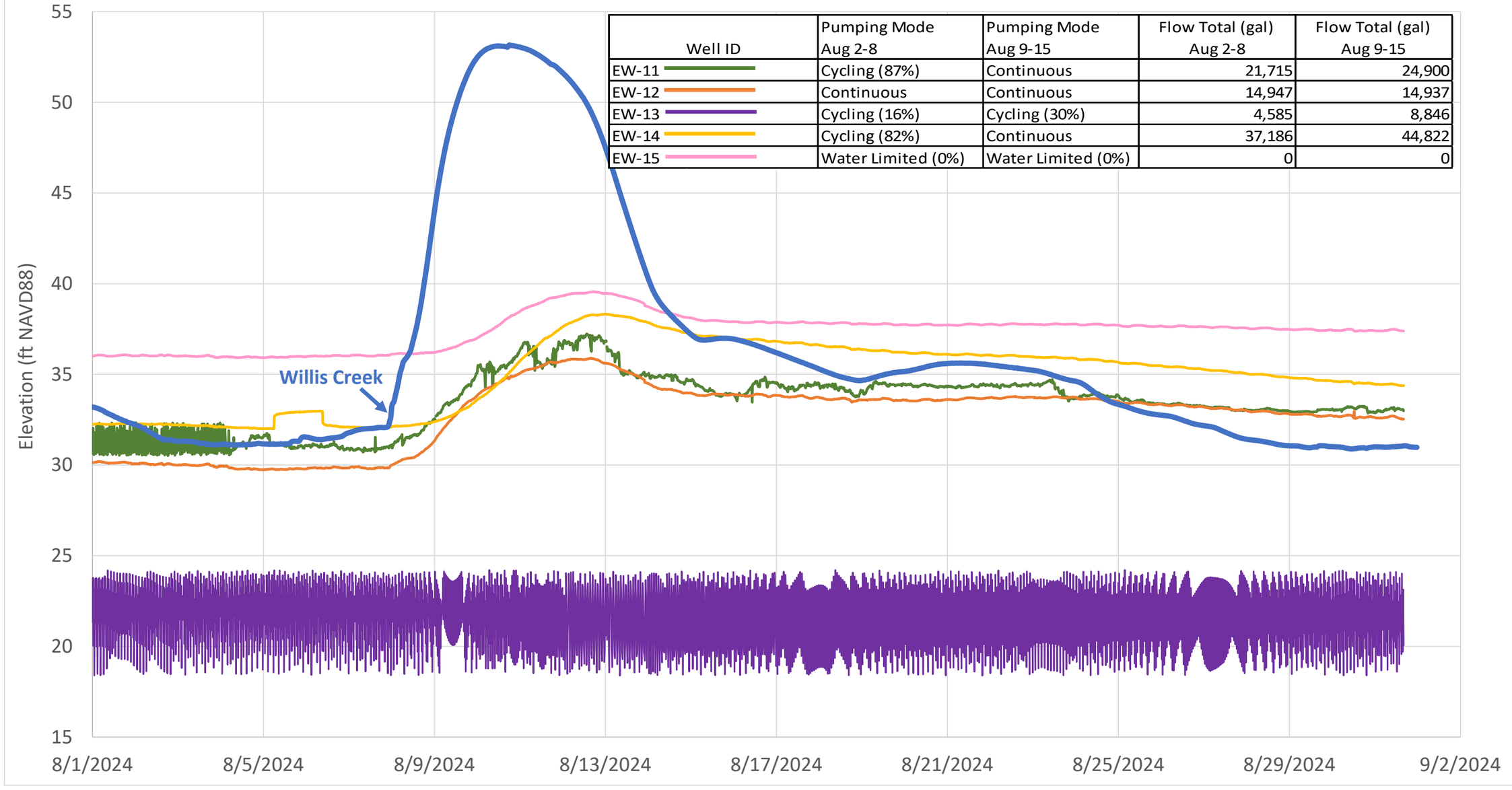
Figure 6-4B



Well ID	Pumping Mode Aug 2-8	Pumping Mode Aug 9-15	Flow Total (gal) Aug 2-8	Flow Total (gal) Aug 9-15
EW-11	Cycling (87%)	Continuous	21,715	24,900
EW-12	Continuous	Continuous	14,947	14,937
EW-13	Cycling (16%)	Cycling (30%)	4,585	8,846
EW-14	Cycling (82%)	Continuous	37,186	44,822
EW-15	Water Limited (0%)	Water Limited (0%)	0	0

Willis Creek

Notes:
Willis Creek elevation data is from a transducer deployed in a locally installed stilling well, converted to NAVD88.
Extraction Well (EW) level data is from transducer deployed in each well, converted to NAVD88.
Willis Creek and EW data recorded at 30 minute and 15 minute frequency intervals, respectively.
If a pump is pumping for 90% of the time or more, then it's pumping mode is considered continuous.

Interaction Between Willis Creek and Extraction Wells: EW-11 through EW-15

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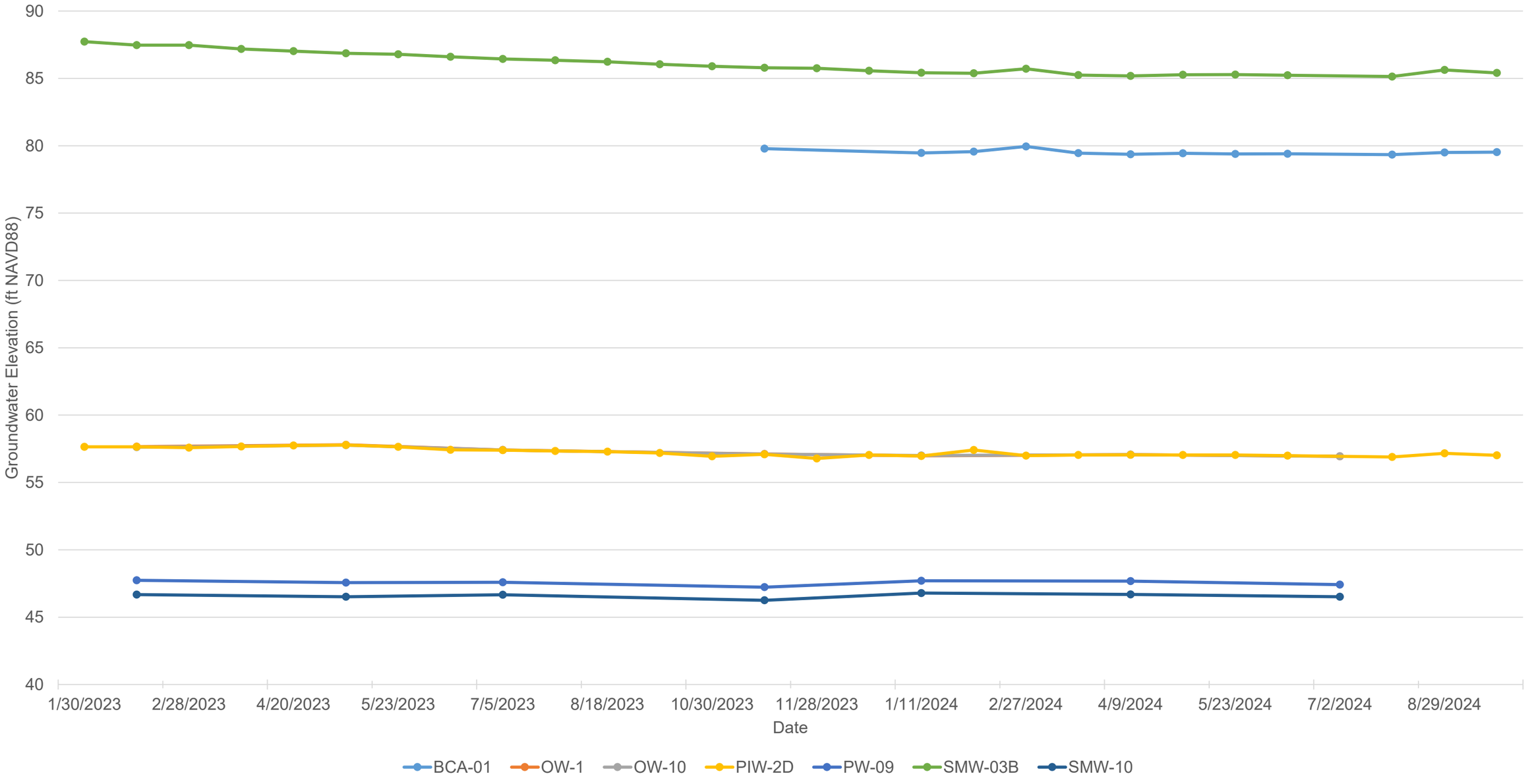
Figure 6-4C



Notes:

1. Wells OW-1, OW-10, and PIW-2D are located in a cluster, less than 50 ft from each other. For the range presented, groundwater elevations at these wells are very similar, creating an appearance of a single line series.
2. For BCA-01, groundwater elevation data before November 1, 2023 is unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.
3. For OW-1, OW-10, PW-09, and SMW-10, groundwater elevation data is collected on a quarterly basis under the Mass Loading Model program and not the Performance Monitoring Program, so there is only a single gauging event per quarter.

Groundwater Elevation at Select Observation Wells Upgradient of Willis Creek Remedy

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Fayetteville, North Carolina

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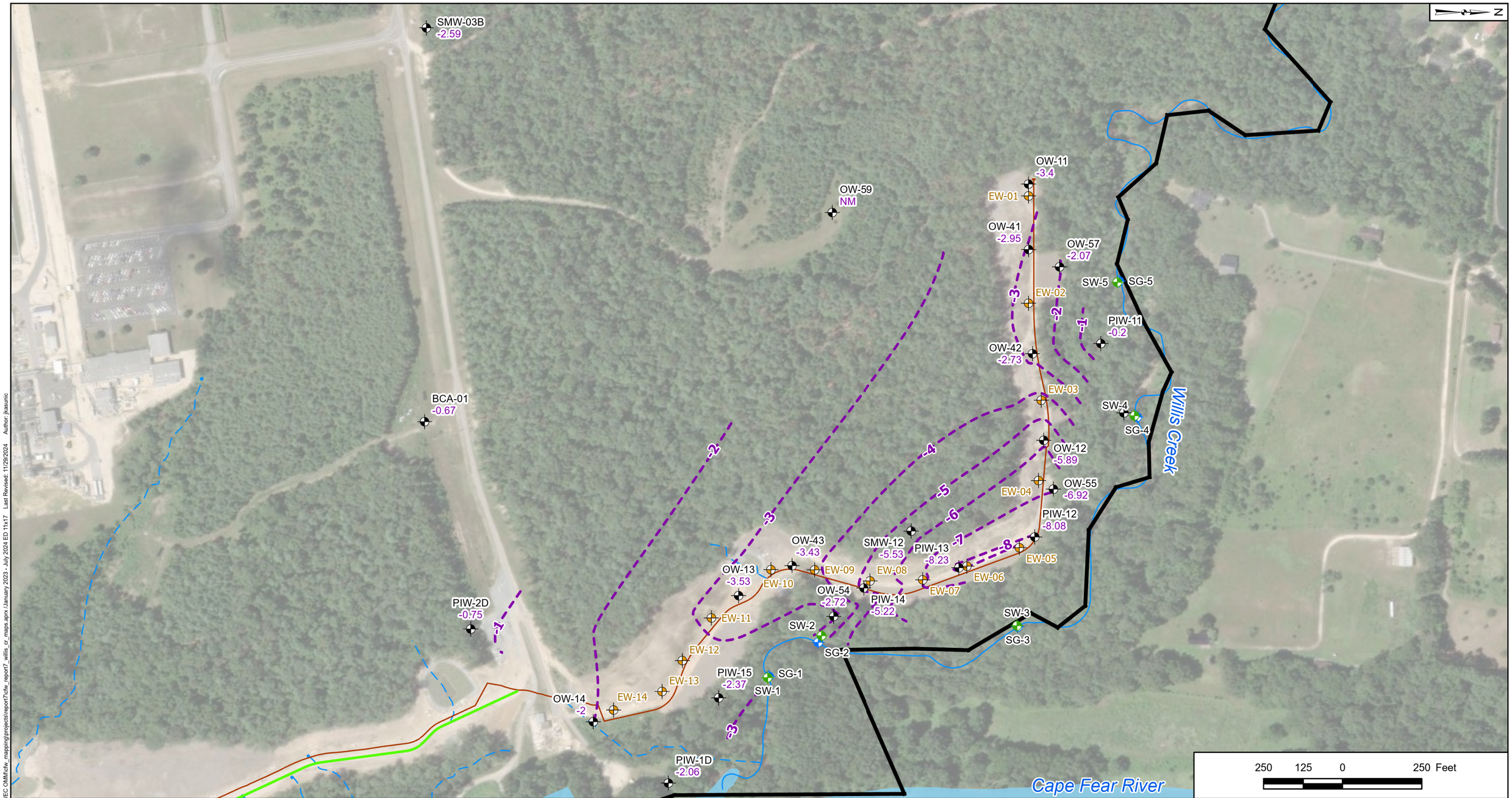
Figure

6-5



Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- July 2024 Elevation Difference
- Barrier Wall
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Elevation difference = monthly elevation - January 2023 elevation
2. Elevation difference not calculated at locations where monthly elevation or baseline January 2023 not available
3. Antecedent daily total rainfall (July 28-30): 0.40 inches
4. The elevation difference contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
5. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location. To calculate monthly elevation difference, the September 2023 elevation is used as baseline.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

Northern Alignment
January 2023 Versus July 2024
Elevation Difference

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Raleigh, NC | December 2024

Figure 6-6A

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cdfw_mapping\projects\report7\cdfw_report7_willis_cr_maps.aprx /January 2023 - July 2024 ED 11x17 Last Revised: 11/29/2024 Author: jkasunic

SMW-03B
-2.1

OW-59
NM

OW-11
-2.81

EW-01

OW-41
-1.82

OW-57
-1.5

SW-5
SG-5

EW-02

PIW-11
0.03

OW-42
-2.17

EW-03

OW-56
0.17

SW-4
SG-4

BCA-01
-0.51

OW-12
-4.46

EW-04

OW-55
-5.06

SMW-12
-4.3

PIW-12
-5.84

EW-05

OW-43
-1

PIW-13
-4.57

EW-09

EW-08

EW-06

OW-13
-1.43

EW-10

OW-54
-2.52

EW-07

PIW-14
-2.79

PIW-2D
-0.48

EW-11

SW-3

SW-2

SG-3

SG-2

EW-12

SG-1

EW-13

SW-1

EW-14

PIW-15
-0.47

OW-14
0.2

PIW-1D
0.01

Willis Creek

Cape Fear River

-1
-2
-3
-4
-5
0
2

N

250 125 0 250 Feet

Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- August 2024 Elevation Difference
- Barrier Wall
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Elevation difference = monthly elevation - January 2023 elevation
2. Elevation difference not calculated at locations where monthly elevation or baseline January 2023 not available
3. Antecedent daily total rainfall (August 26-28): 0.00 inches
4. The elevation difference contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
5. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location. To calculate monthly elevation difference, the September 2023 elevation is used as baseline.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

Northern Alignment
January 2023 Versus August 2024
Elevation Difference

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Figure 6-6B

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report7\cfw_report7_willis_cr_maps.aprx /January 2023 - August 2024 ED 11x17 Last Revised: 11/29/2024 Author: jkasunic

SMW-03B
-2.32

OW-59
NM

OW-11
-2.51

EW-01

OW-41
-2.07

OW-57
-1.3

SW-5
SG-5

EW-02

PIW-11
0.18

OW-42
-2

EW-03

OW-56
0.77

SW-4
SG-4

OW-12
-3.76

EW-04

OW-55
-4.32

SMW-12
-4.97

PIW-12
-5.14

EW-05

PIW-13
-3.7

EW-06

EW-09

EW-08

EW-07

OW-43
-0.7

OW-13
-0.8

EW-10

OW-54
-2.75

PIW-14
-2.16

BCA-01
-0.48

PIW-2D
-0.63

EW-11

SW-3
SG-3

SW-2
SG-2

EW-12

SG-1
SW-1

OW-14
0.8

EW-14

EW-13

PIW-15
0.32

PIW-1D
1.13

-2
-3
-4
-1
0
-2
-1
-1
0
-1

Willis Creek

Cape Fear River

N

250 125 0 250 Feet

Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- September 2024 Elevation Difference
- Barrier Wall
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Elevation difference = monthly elevation - January 2023 elevation
2. Elevation difference not calculated at locations where monthly elevation or baseline January 2023 not available
3. Antecedent daily total rainfall (September 21-23): 0.00 inches
4. The elevation difference contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
5. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location. To calculate monthly elevation difference, the September 2023 elevation is used as baseline.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

Northern Alignment
January 2023 Versus September 2024
Elevation Difference

Chemours Fayetteville Works, North Carolina

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Geosyntec Consultants of NC, P.C.
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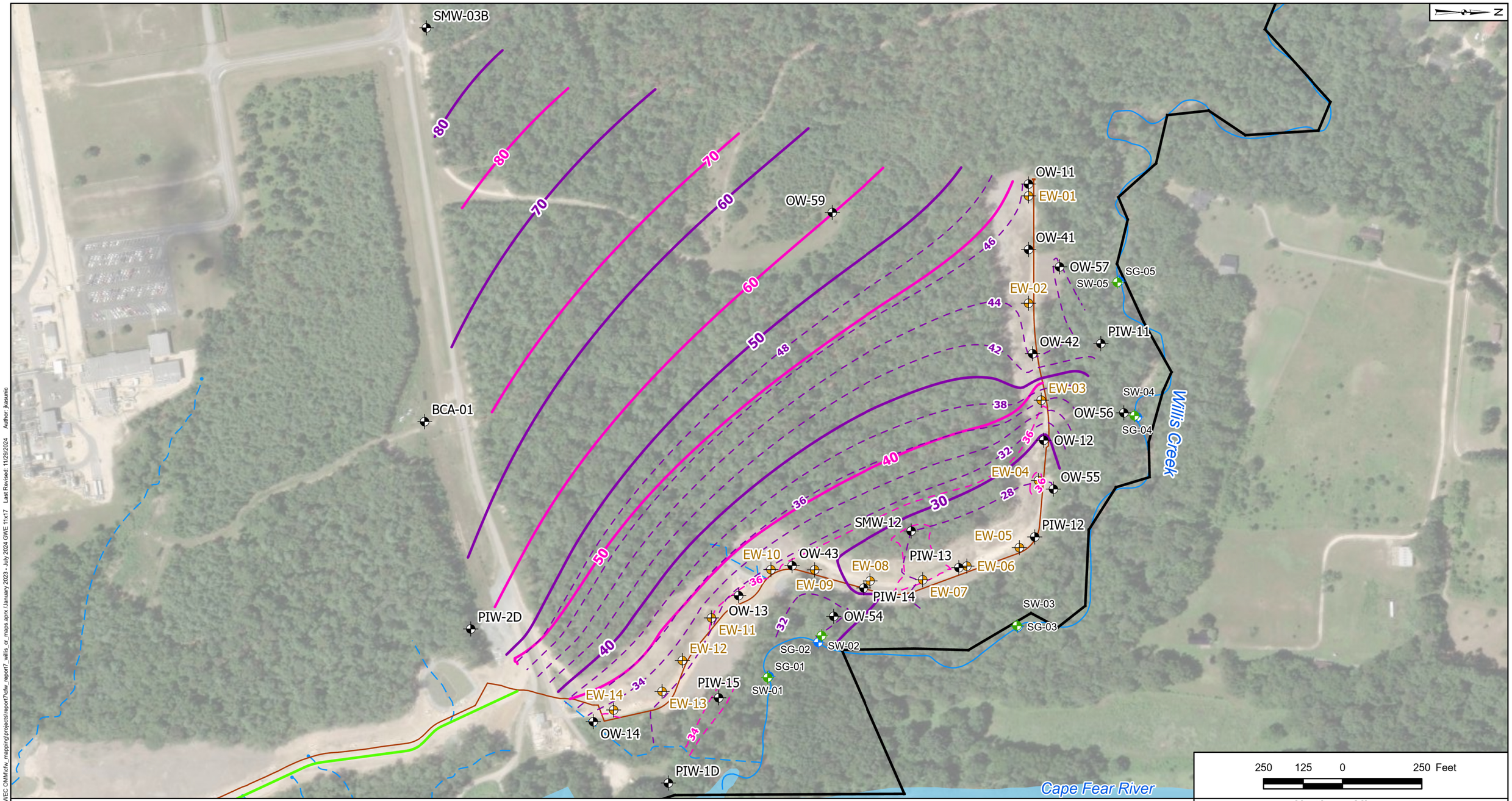
Raleigh, NC | December 2024

Figure 6-6C

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cdfw_mapping\projects\report7\cdfw_report7_willis_cr_maps.aprx /January 2023 - Sept 2024 ED 11x17 Last Revised: 11/29/2024 Author: jkasunic



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft July 2024 GW Elevation
- 10-ft July 2024 GW Elevation
- Barrier Wall
- 2-ft January 2023 GW Elevation
- 10-ft January 2023 GW Elevation
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Antecedent daily total rainfall (July 28-30): 0.40 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations
3. The elevation contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
4. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.
5. Stilling wells SW-01 to SW-05 were flooded during the July gauging. SW-01 and SW-02 were again flooded during the August and September gauging.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

Northern Alignment
Potentiometric Map
January 2023 - July 2024
Chemours Fayetteville Works, North Carolina

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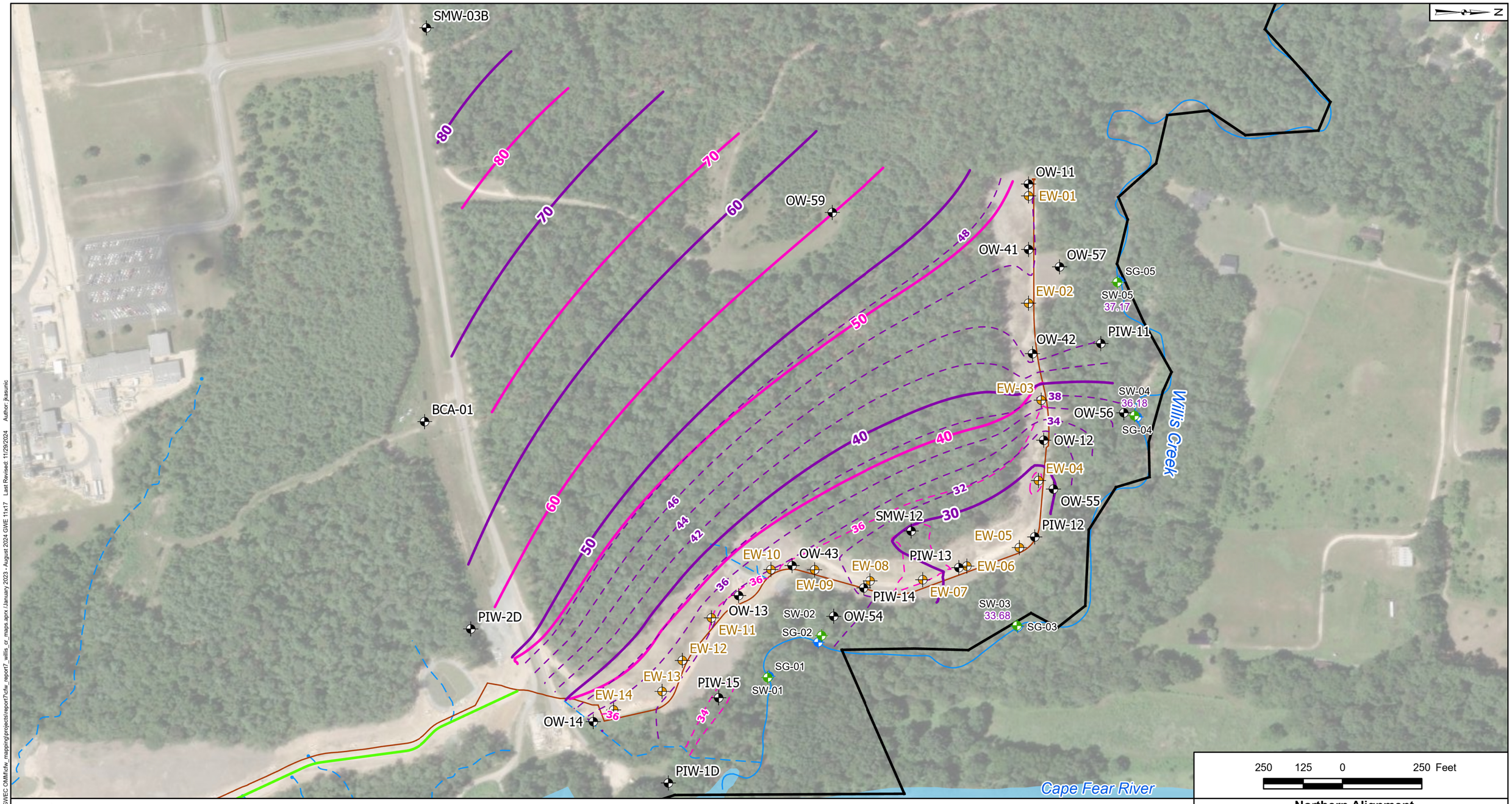
Raleigh, NC | December 2024

Figure 6-7A

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report7\cfw_report7_willis_cr_maps.aprx /January 2023 - July 2024 GWE 11x17 Last Revised: 11/29/2024 Author: jkasunic



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft August 2024 GW Elevation
- 10-ft August 2024 GW Elevation
- Barrier Wall
- 2-ft January 2023 GW Elevation
- 10-ft January 2023 GW Elevation
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Antecedent daily total rainfall (August 26-28): 0.00 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations
3. The elevation contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
4. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.
5. Stilling wells SW-01 to SW-05 were flooded during the July gauging. SW-01 and SW-02 were again flooded during the August and September gauging.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

250 125 0 250 Feet

Northern Alignment
Potentiometric Map
January 2023 - August 2024
Chemours Fayetteville Works, North Carolina

Geosyntec consultants
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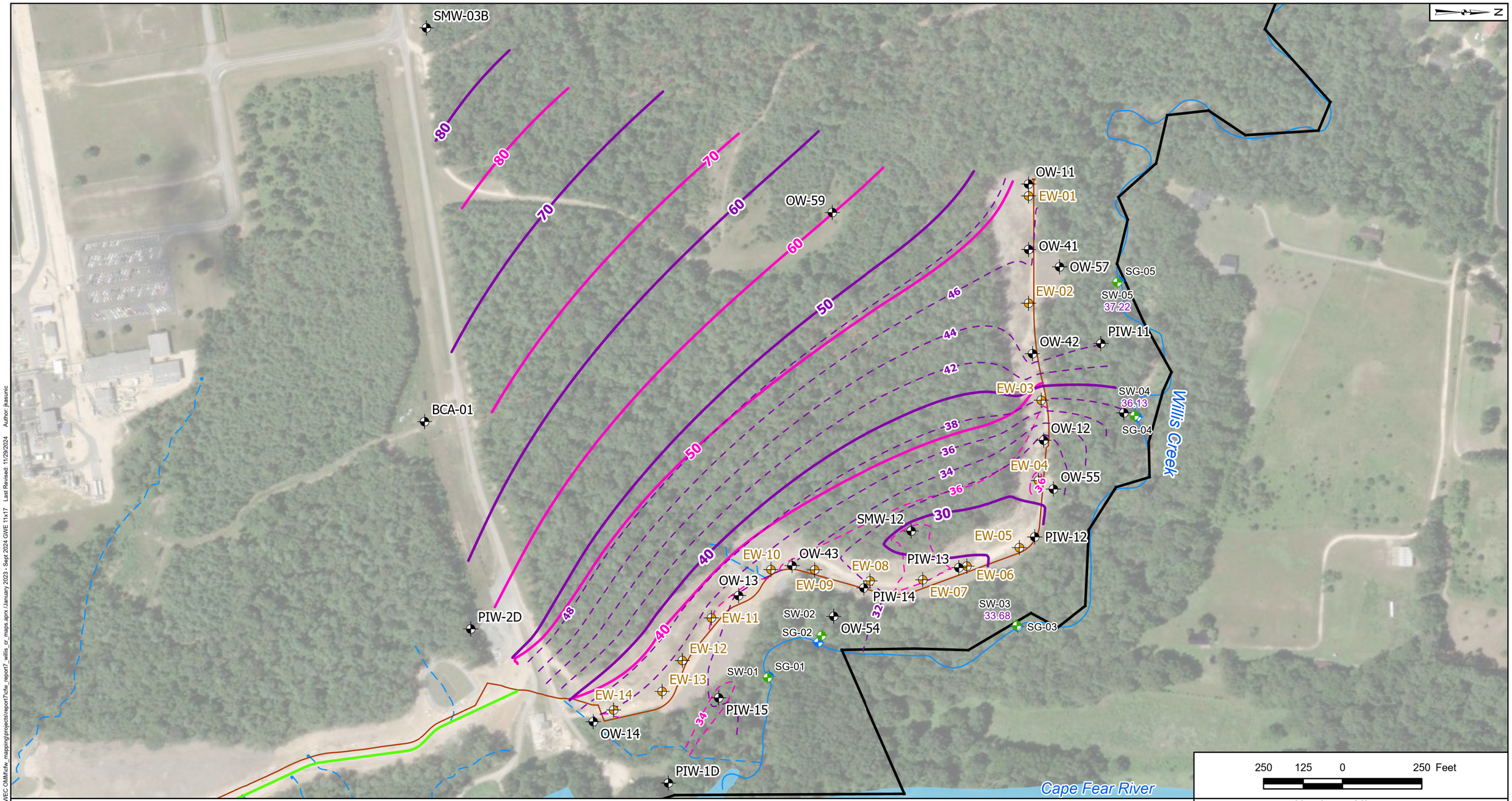
Raleigh, NC | December 2024

Figure 6-7B

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report7\cfw_report7_willis_cr_maps.aprx /January 2023 - August 2024 GWE 11x17 Last Revised: 11/29/2024 Author: jkasunic



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft September 2024 GW Elevation
- 10-ft September 2024 GW Elevation
- Barrier Wall
- 2-ft January 2023 GW Elevation
- 10-ft January 2023 GW Elevation
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Antecedent daily total rainfall (September 21-23): 0.00 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations
3. The elevation contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
4. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.
5. Stilling wells SW-01 to SW-05 were flooded during the July gauging. SW-01 and SW-02 were again flooded during the August and September gauging.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

250 125 0 250 Feet

Northern Alignment
Potentiometric Map
January 2023 - September 2024
Chemours Fayetteville Works, North Carolina

Geosyntec consultants
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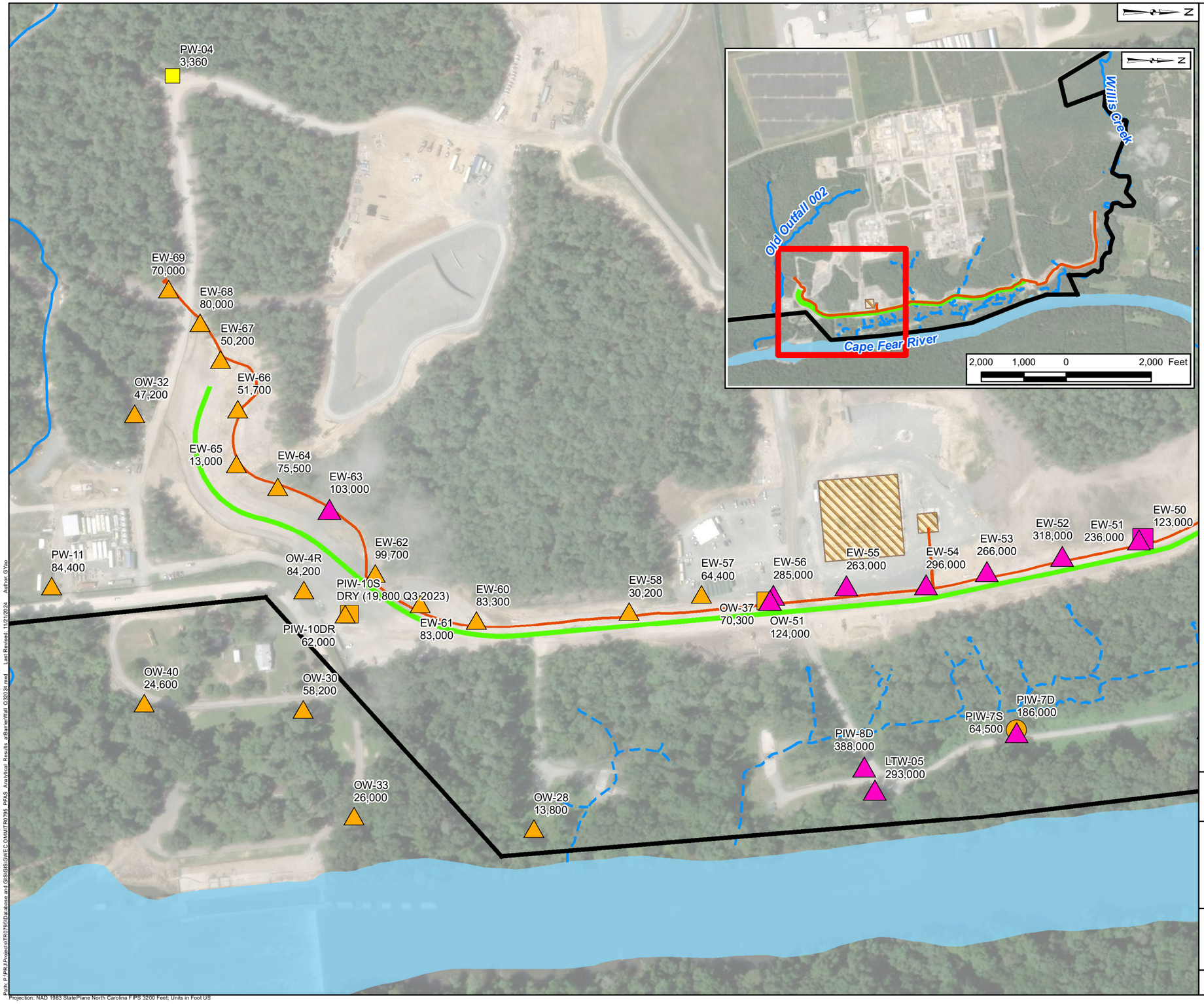
Raleigh, NC | December 2024

Figure 6-7C

Path: P:\PRJ\Projects\TR07959\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report7\cfw_report7_willis_cr_maps.aprx /January 2023 - Sept 2024 GWE 11x17 Last Revised: 11/29/2024 Author: jkasunic



Legend

PFAS Sampling Location
- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water

Total Table 3+ PFAS, 17 Compounds (ng/L)
- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000

- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 feet NAVD88
- Groundwater Treatment Pad and Break Tank
- Seep
- Nearby Tributary to River
- Cape Fear River

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q3 2024 are shown. Wells PIW-1S, PIW-10S, PIW-5SR, and OW-54 were dry during Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q3 2024 sampling performed on July 11, 2024.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

190 95 0 190 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

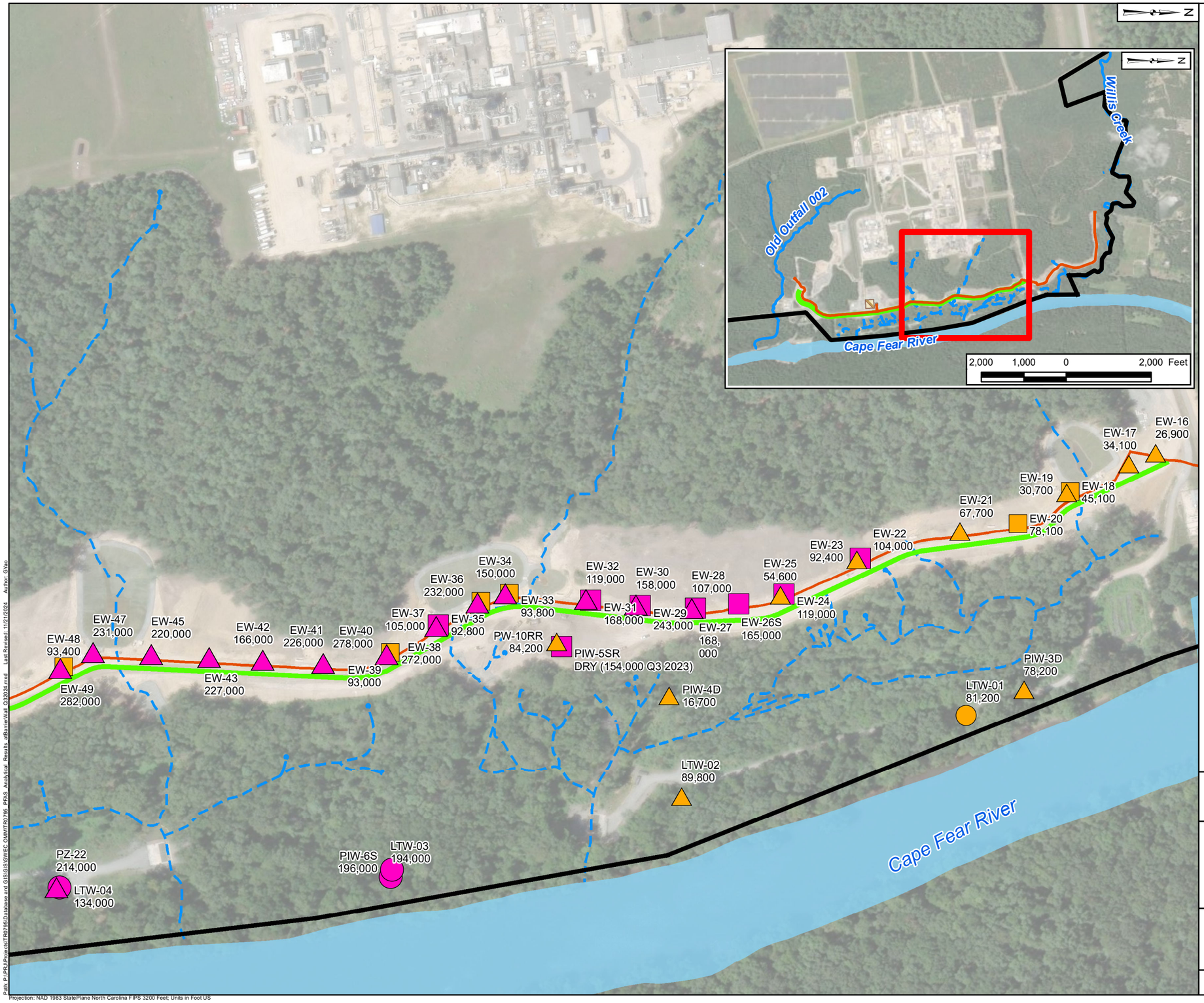
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh, NC | December 2024

Figure **6-8A**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMMT\R0795_PFAS_AnalyticalResults_atBarrierWall_Q32024.mxd Last Revised: 11/21/2024 Author: GYao

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

PFAS Sampling Location
- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water

Total Table 3+ PFAS, 17 Compounds (ng/L)
- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000

- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 feet NAVD88
- Seep
- Cape Fear River

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q3 2024 are shown. Wells PIW-1S, PIW-10S, PIW-5SR, and OW-54 were dry during Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q3 2024 sampling performed on July 11, 2024.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

190 95 0 190 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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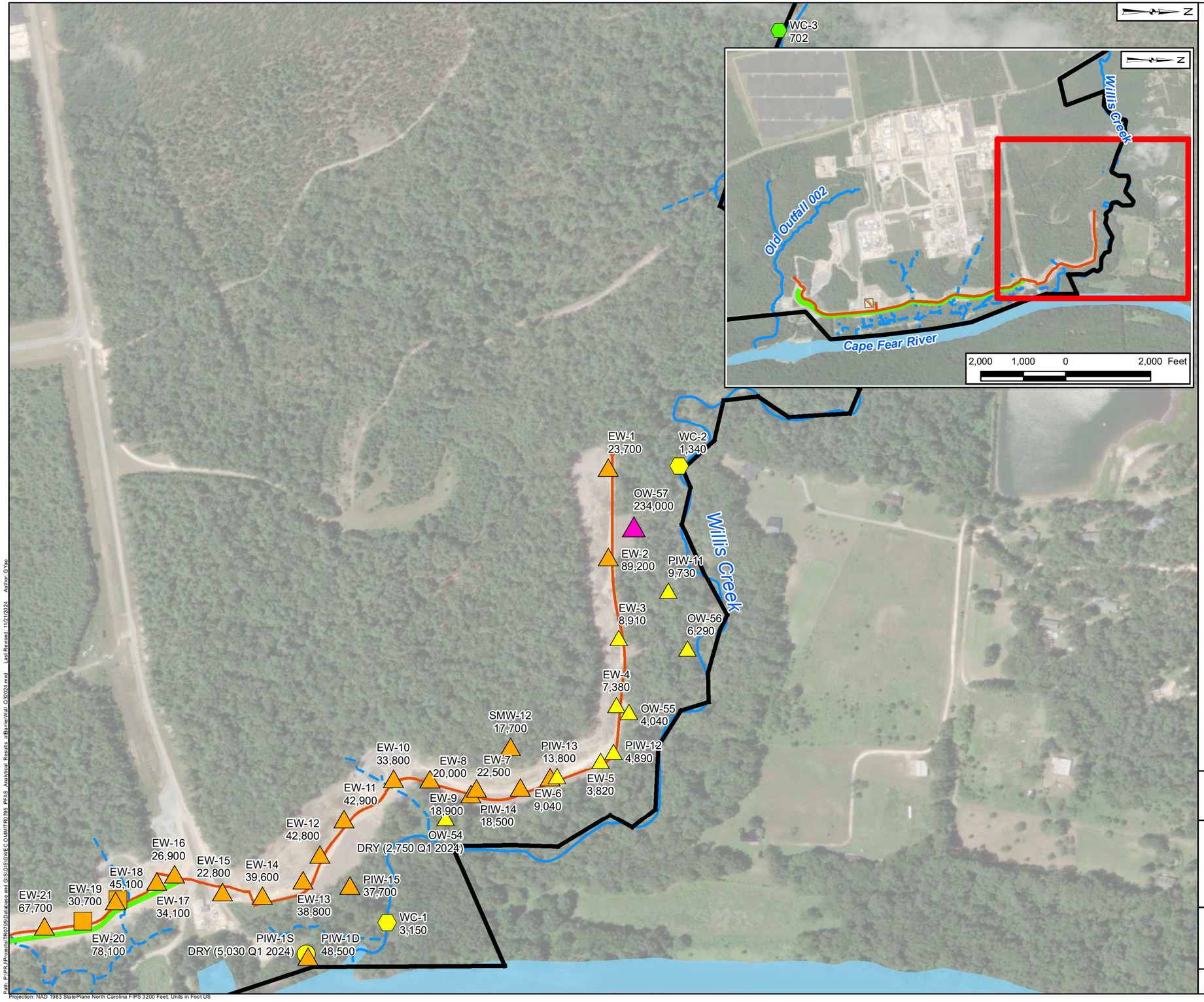
NC License No.: C 3500 and C 295

Raleigh, NC | December 2024

Figure **6-8B**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMMTR0795_PFAS_AnalyticalResults_aBarrierWall_Q32024.mxd Last Revised: 11/21/2024 Author: GYeo

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

PFAS Sampling Location
- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water

Total Table 3+ PFAS, 17 Compounds (ng/L)
- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000

- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 feet NAVD88
- Seep
- Nearby Tributary to River
- Cape Fear River

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q3 2024 are shown. Wells PIW-1S, PIW-10S, PIW-5SR, and OW-54 were dry during Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q3 2024 sampling performed on July 11, 2024.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

280 140 0 280 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

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Geosyntec Consultants of NC, P.C.
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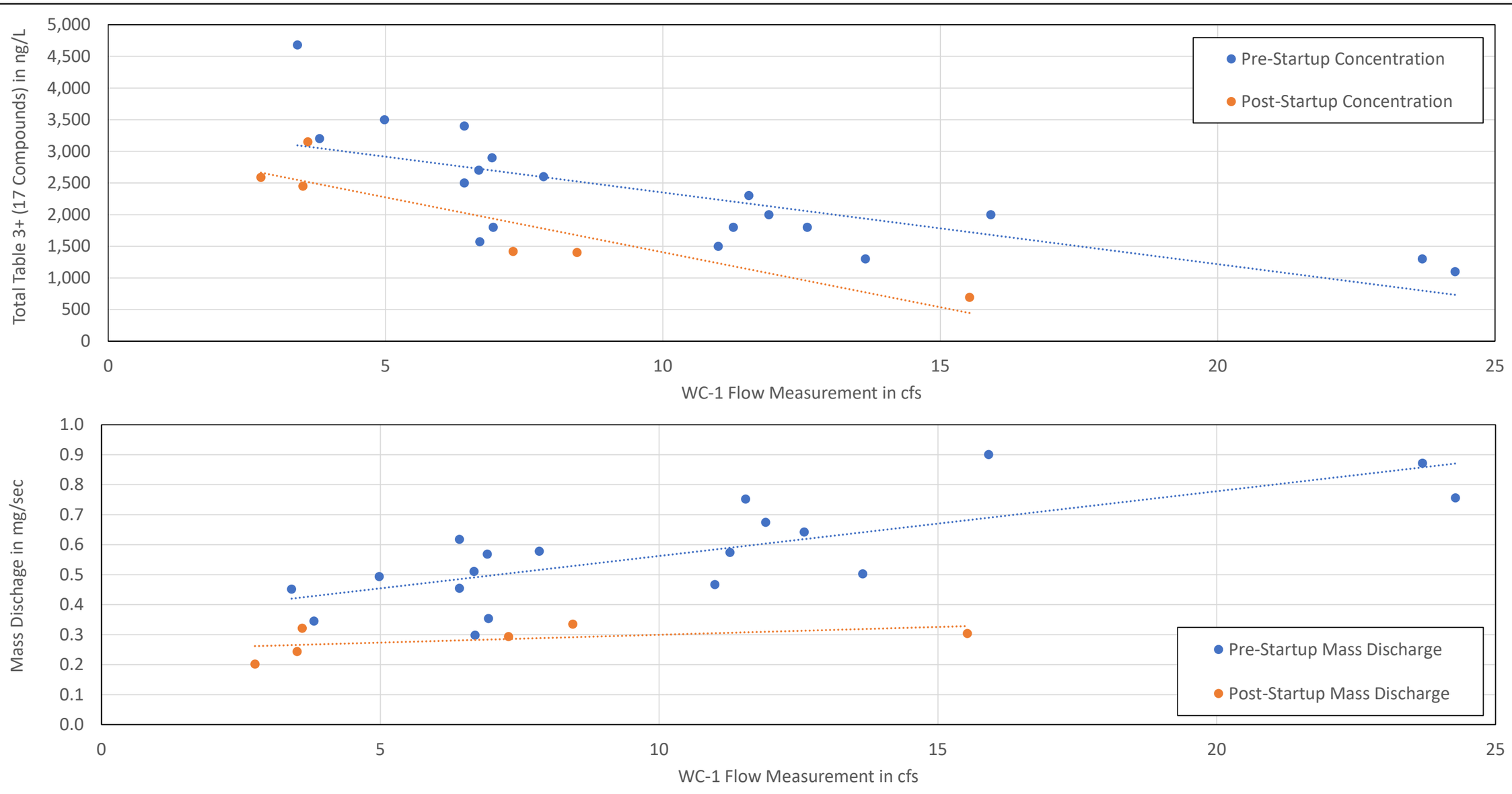
Raleigh, NC | December 2024

Figure **6-8C**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\GWEC.OMMTR0795_PFAS_Analytical_Results_atBarrierWall_Q32024.mxd Last Revised: 11/21/2024 Author: GYao

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Notes:

1. Concentration and mass discharge data are plotted above for Willis Creek location WC-1 near the confluence with the Cape Fear River.
2. Linear trendlines are shown for presentation purposes only. A statistical regression analysis has not been performed.

ng/L = nanograms per liter; mg/sec = milligrams per second; cfs = cubic feet per second

Willis Creek Location WC-1 PFAS Concentration and Mass Discharge

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Fayetteville, North Carolina

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Raleigh, NC | December 2024

Figure 6-9

Willis Creek
WC-3
702
WC-2
1,340
PIW-11
9,730
OW-56
6,290
OW-57
234,000
EW-1
23,700
EW-2
89,200
EW-3
8,910
EW-4
7,380
OW-55
4,040
PIW-12
4,890
EW-5
3,820
EW-6
9,040
PIW-13
13,800
SMW-12
17,700
EW-7
22,500
EW-8
20,000
PIW-14
18,500
EW-9
18,900
OW-54
DRY (2,750 Q1 2024)
EW-10
33,800
Willis Creek
Tributary Capture
WC-1
3,150
PIW-15
37,700
EW-11
42,900
EW-12
42,800
EW-13
38,800
PIW-1D
48,500
PIW-1S
DRY (5,030 Q1 2024)
EW-14
39,600
EW-15
22,800
EW-16
26,900
EW-17
34,100
Seep A
Tributary Capture Basin
(includes Weeps 9, 10, 11)
EW-18
45,100
EW-19
30,700
EW-20
78,100
PIW-3D
78,200
LTW-01
81,200
EW-21
67,700
EW-22
104,000
EW-23
92,400
EW-24
119,000
EW-25
54,600
EW-26S
165,000
EW-28
107,000
EW-27
168,000
PIW-4D
16,700
LTW-02
89,800
EW-30
158,000
EW-29
243,000
EW-31
168,000
PIW-5SR
DRY (154,000 Q3 2023)
Seep-A
EW-32
119,000
PW-10RR
84,200
EW-34
150,000
EW-33
93,800
EW-36
232,000
Seep A
Capture Basin
(includes Weep 7)
EW-35
92,800
EW-38
272,000
EW-37
105,000
EW-40
278,000
EW-39
93,000
PIW-6S
196,000
LTW-03
194,000
T1-101
ND
T1-103
ND
T1-102
ND
Transect 1
T2-201
2.0
T2-203
ND
T2-202
ND
Transect 2
EW-41
226,000
EW-42
166,000
Seep-B
EW-43
227,000
Seep B
Capture Basin
EW-45
220,000
EW-47
231,000
EW-48
93,400
EW-49
282,000
LTW-04
134,000
PZ-22
214,000
EW-50
123,000
EW-51
236,000
EW-52
318,000
Weep 4 and 004 Trench
Drain Capture
EW-53
266,000
PIW-7S
64,500
PIW-7D
186,000
EW-54
296,000
EW-55
263,000
PIW-8D
388,000
LTW-05
293,000
Seep-C
EW-56
285,000
Weep 3 Capture
OW-37
70,300
OW-51
124,000
EW-57
64,400
EW-58
30,200
Seep-D
OW-28
13,800
T3-301
2.1
T3-303
ND
T3-302
ND
Transect 3
EW-60
83,300
EW-61
83,000
EW-62
99,700
EW-63
103,000
PIW-10S
DRY (19,800 Q3 2023)
PIW-10DR
62,000
OW-33
26,000
OW-30
58,200
OW-4R
84,200
EW-64
75,500
EW-66
51,700
EW-67
50,200
EW-68
80,000
EW-65
13,000
Lock and Dam Seep North
Lock and Dam Seep
PW-04
3,360
EW-69
70,000
OW-32
47,200
OW-40
24,600
PW-11
84,400
1
2
N
0.5 0.25 0 0.5 Miles
2
N
Transect 4
GBC-1
1,400
T4-403
ND
T4-401
5.9
Georgia Branch Creek
500 250 0 500 Feet
1

Legend

Total Table 3+ PFAS, 17 Compounds (ng/L)

- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water
- Site River Water Intake Location
- W.O. Huske Dam
- Flow Through Cell
- Outfall 003 Treatment System
- Ex-situ Capture Location

- Transect Sampling Location
- Nearby Tributary
- Observed Seep
- Site Boundary
- North Forcemain
- South Forcemain
- Barrier Wall
- 004 Groundwater Treatment Pad and Break Tank

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q3 2024 are shown. Wells PIW-1S, PIW-10S, PIW-5SR, and OW-54 were dry during Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q3 2024 sampling performed on July 11, 2024. River transect results are from sampling performed on September 4, 2024.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Cape Fear River Transect Sampling Locations and PFAS Analytical Results in Groundwater

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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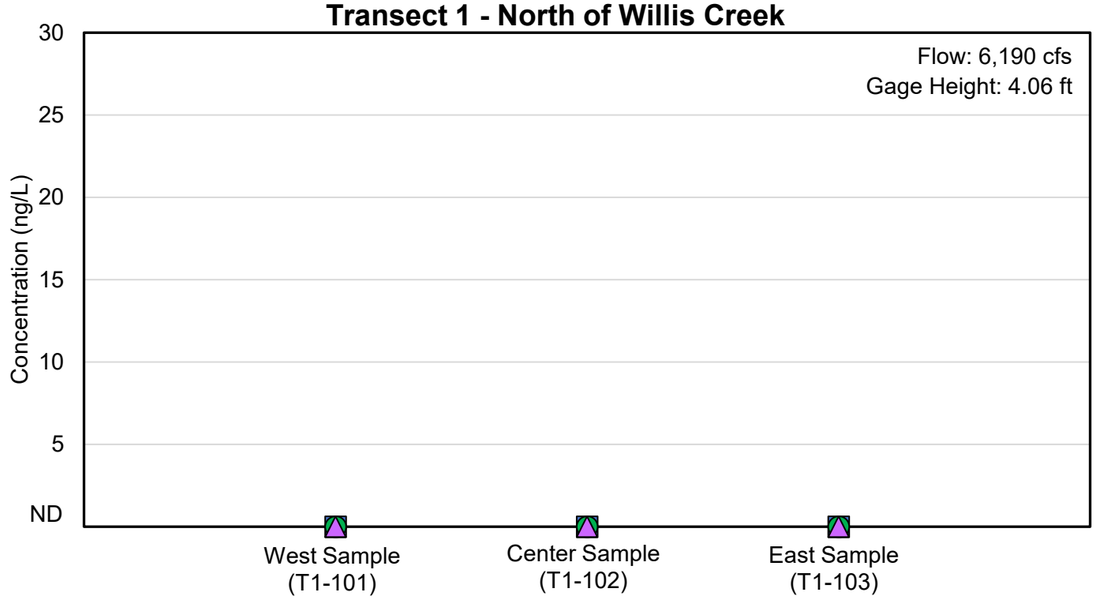
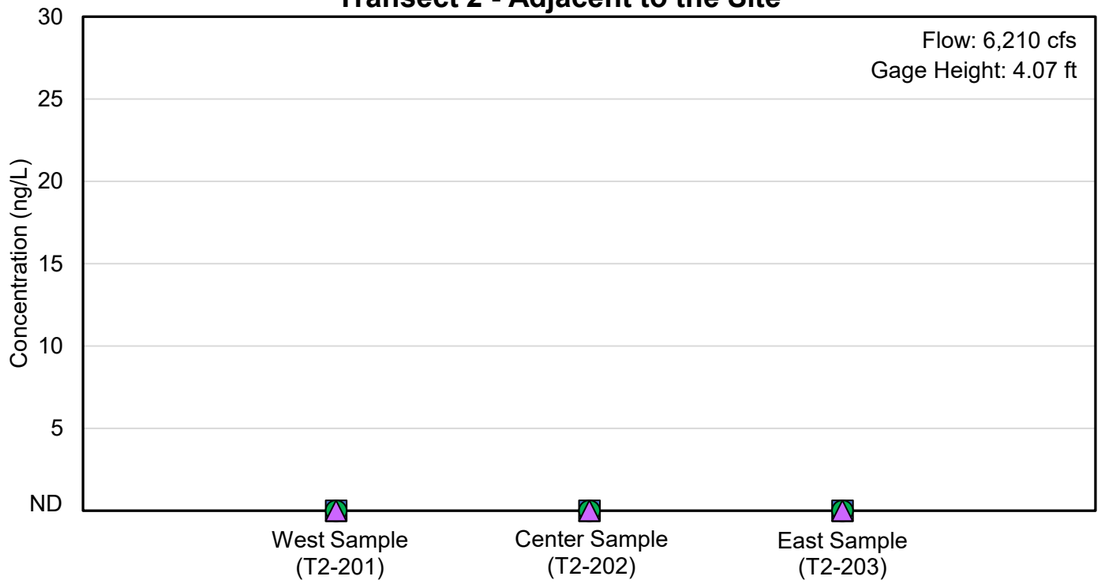
NC License No.: C-3500 and C-295

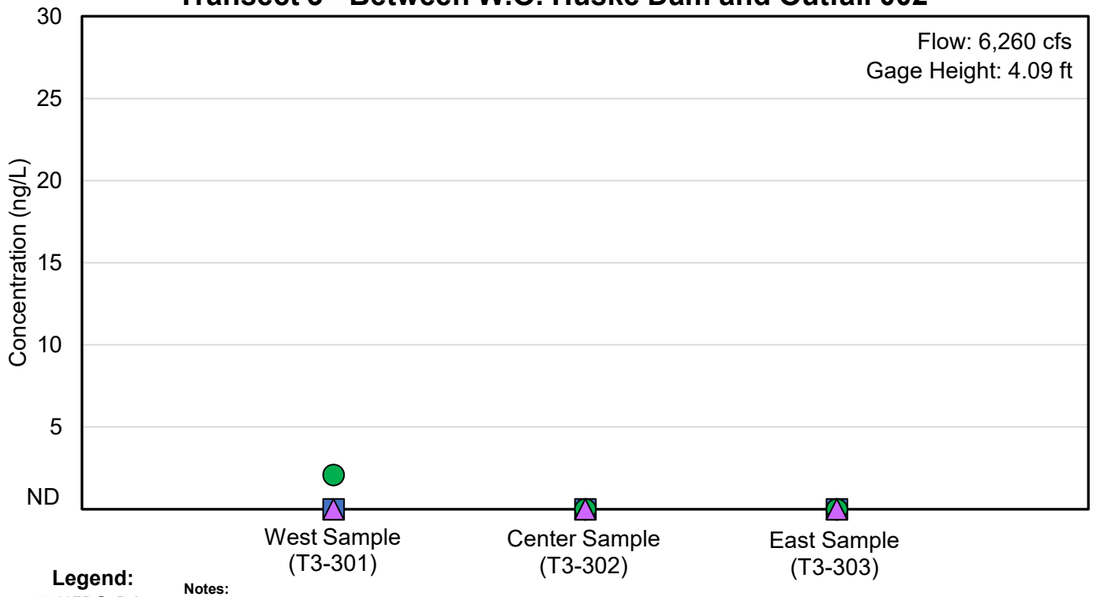
Figure 6-10

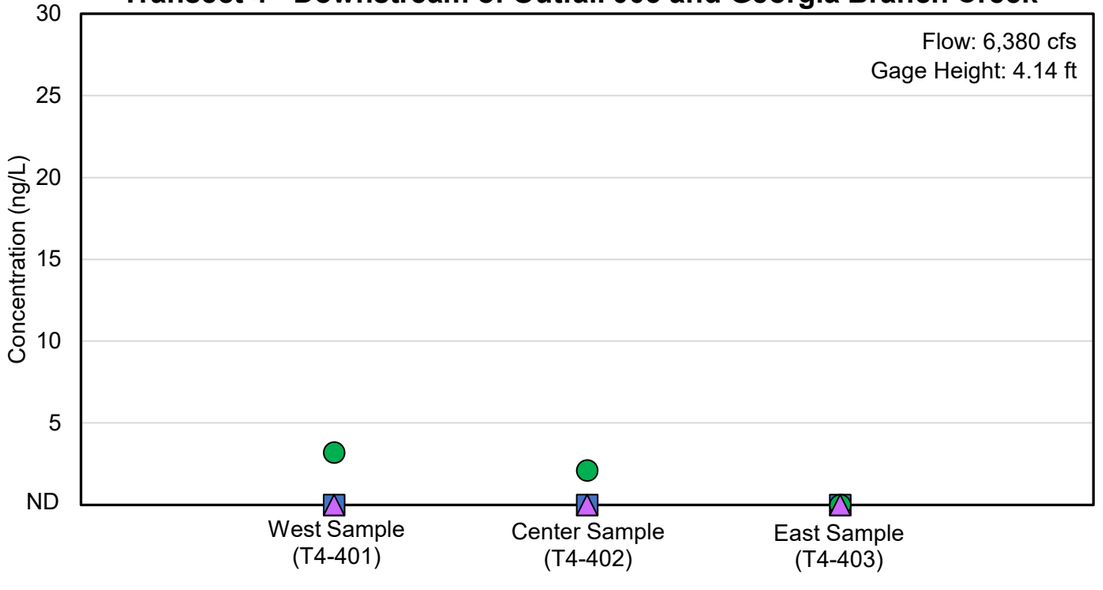
Raleigh, NC | December 2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



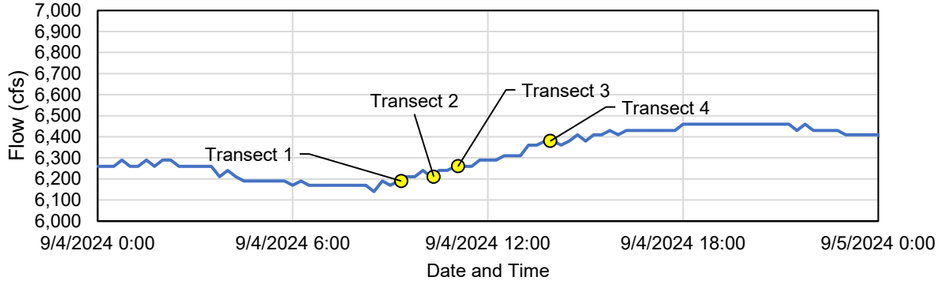






Legend:
- HFPO-DA
- PFMOAA
- PMPA

Notes:
cfs - cubic feet per second
ft - feet
ND - non-detect (see note 2)
ng/L - nanograms per liter
HFPO-DA - Hexafluoropropylene oxide dimer acid
PFMOAA - Perfluoro-2-methoxyacetic acid
PMPA - Perfluoro-2-methoxypropionic acid
1. All samples along the river transects were collected at the middle depth of the river.
2. The reporting detection limits are: HFPO-DA: 2 ng/L; PFMOAA: 2 ng/L; and PMPA: 10 ng/L.
3. Gage height, total precipitation, and flow data are from the USGS gauging station #02105500 located at the W.O. Huske Dam.
4. The gage height and flow posted on each graph corresponds to the sampling date and time that the center sample was collected. The total precipitation represents the total from the start date and time to the end date and time of the sampling event.



Total Precipitation: 0 inches

Indicator PFAS Concentrations Across Cape Fear River Transects (September 2024)

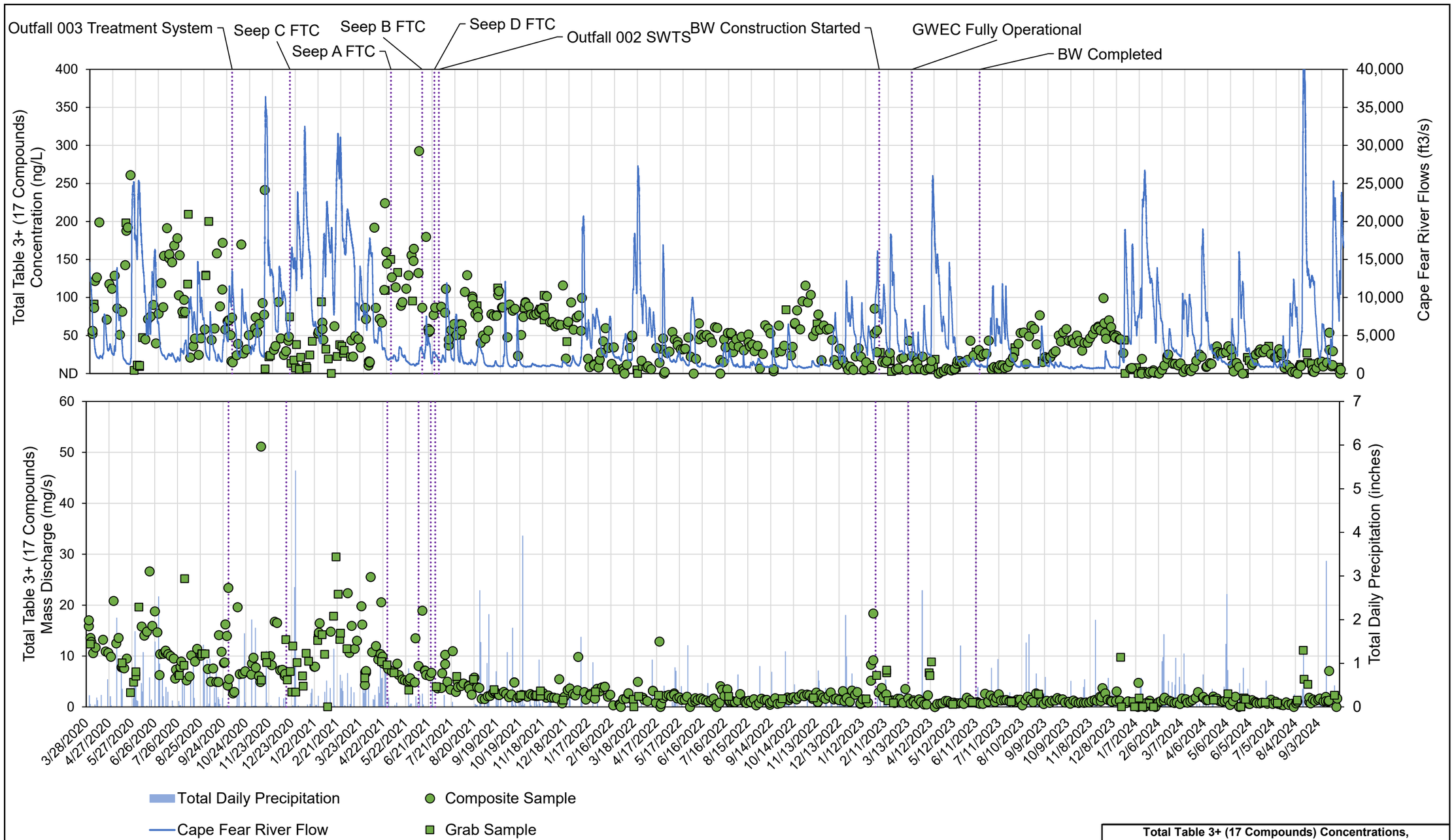
Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | December 2024

Figure
6-11



Notes:
- A concentration of 0 ng/L and mass discharge of 0 mg/s indicate that all the compounds were not detected above the reporting limit.
- Flow and precipitation data are from the USGS gauging station #02105500 located at the W.O. Huske Dam.
- PFAS concentrations calculated by summing over Attachment C compounds and Table 3+ (21 compounds) are provided in Appendix B.

Abbreviations:
BW - Barrier Wall
ft^3/s - cubic feet per second
FTC - Flow-through cell
GWEC - Groundwater extraction and conveyance system
mg/s - milligrams per second
ng/L - nanograms per liter
SWTS - Stormwater treatment system

Total Table 3+ (17 Compounds) Concentrations, Mass Discharge and Daily Flow at Tar Heel Ferry Road Bridge

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Figure **6-12**

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Appendix A
Laboratory Analytical Data Review Narratives
(Full lab reports to be uploaded to OneDrive and EQuIS)

ADQM Data Review

Site: Chemours Fayetteville

Project: 004 NPDES Sampling 3Q24

Project Reviewer: Michael Aucoin and Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
004-INF-0724	320-113558-1	Other Liquid	N	07/02/2024	08:00	FS
004-EFF-0724	320-113572-1	Other Liquid	N	07/02/2024	08:00	FS
004-EFF-0724-2	320-113648-1	Other Liquid	N	07/08/2024	08:00	FS
004-FBLK-0724	320-113648-2	Blank Water	N	07/08/2024	08:00	FB
004-INF-0724-2	320-113652-1	Other Liquid	N	07/08/2024	08:00	FS
004-INF-0724-3	320-113815-1	Other Liquid	N	07/15/2024	08:00	FS
004-EFF-0724-3	320-113816-1	Other Liquid	N	07/15/2024	08:00	FS
004-EFF-0724-4	320-114011-1	Other Liquid	N	07/22/2024	08:00	FS
004-INF-0724-4	320-114014-1	Other Liquid	N	07/22/2024	08:00	FS
004-EFF-0724-5	320-114183-1	Other Liquid	N	07/29/2024	07:30	FS
004-INF-0724-5	320-114186-1	Other Liquid	N	07/29/2024	07:30	FS
004-EFF-0824	320-114372-1	Other Liquid	N	08/05/2024	08:00	FS
004-INF-0824	320-114379-1	Other Liquid	N	08/05/2024	08:00	FS
004-INF-0824-2	320-114517-1	Other Liquid	N	08/12/2024	08:00	FS
004-EFF-0824-2	320-114518-1	Other Liquid	N	08/12/2024	08:00	FS
004-FBLK-0824	320-114518-2	Blank Water	N	08/12/2024	08:00	FB
004-EFF-0824-3	320-114676-1	Other Liquid	N	08/19/2024	08:00	FS
004-INF-824-3	320-114678-1	Other Liquid	N	08/19/2024	08:00	FS
004-EFF-0824-4	320-114860-1	Other Liquid	N	08/26/2024	07:00	FS
004-INF-0824-4	320-114863-1	Other Liquid	N	08/26/2024	07:00	FS
004-EFF-0924	320-115047-1	Other Liquid	N	09/03/2024	08:00	FS
004-INF-0924	320-115050-1	Other Liquid	N	09/03/2024	08:00	FS
004-INF-0924-2	320-115205-1	Other Liquid	N	09/09/2024	08:00	FS
004-EFF-0924-2	320-115207-1	Other Liquid	N	09/09/2024	08:00	FS
004-FBLK-0924	320-115207-2	Blank Water	N	09/09/2024	08:00	FB
004-EFF-0924-3	320-115427-1	Other Liquid	N	09/16/2024	07:00	FS
004-INF-0924-3	320-115430-1	Other Liquid	N	09/16/2024	07:00	FS
004-EFF-0924-4	320-115673-1	Other Liquid	N	09/23/2024	07:00	FS
004-INF-0924-4	320-115674-1	Other Liquid	N	09/23/2024	07:00	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 7/24
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 8/24
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 8/24
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 9/24

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?		X		X	
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?	X				
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 8/24 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-EFF-0824-4	08/26/2024	320-114860-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-0924-3	09/16/2024	320-115427-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-0924-4	09/23/2024	320-115673-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 7/24 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-INF-0724-2	07/08/2024	320-113652-1	R-PSDA	1.6	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0724-2	07/08/2024	320-113652-1	Hydrolyzed PSDA	19	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0724-2	07/08/2024	320-113652-1	R-EVE	0.70	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0824-2	08/12/2024	320-114517-1	R-PSDA	1.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0824-2	08/12/2024	320-114517-1	Hydrolyzed PSDA	13	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0824-2	08/12/2024	320-114517-1	R-EVE	0.66	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0924-2	09/09/2024	320-115205-1	R-PSDA	2.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0924-2	09/09/2024	320-115205-1	Hydrolyzed PSDA	25	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0924-2	09/09/2024	320-115205-1	R-EVE	1.2	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 8/24 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-INF-0824	08/05/2024	320-114379-1	PFMOAA	65	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-0824-4	08/26/2024	320-114863-1	PFMOAA	53	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: FTC-PM-PFAS 3Q24 (update2)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-C-INFLUENT-6-070124	320-113659-1	Surface Water	N	07/01/2024	16:00	FS
SEEP-C-INFLUENT-6-070124-D	320-113659-2	Surface Water	N	07/01/2024	16:00	DUP
SEEP-C-EFFLUENT-6-070124	320-113659-3	Surface Water	N	07/01/2024	16:00	FS
SEEP-EB-070824	320-113659-4	Blank Water	N	07/08/2024	11:30	EB
SEEP-FB-070824	320-113659-5	Blank Water	N	07/08/2024	11:35	FB
SEEP-C-INFLUENT-24-072224	320-114057-1	Surface Water	N	07/22/2024	17:00	FS
SEEP-C-EFFLUENT-24-072224	320-114057-2	Surface Water	N	07/22/2024	17:00	FS
SEEP-C-INFLUENT-24-072624	320-114179-1	Surface Water	N	07/26/2024	13:30	FS
SEEP-C-EFFLUENT-24-072624	320-114179-2	Surface Water	N	07/26/2024	13:30	FS
SEEP-A-INFLUENT-12-072624	320-114179-5	Surface Water	N	07/26/2024	13:30	FS
SEEP-A-EFFLUENT-12-072624	320-114179-6	Surface Water	N	07/26/2024	13:30	FS
SEEP-C-INFLUENT-24-080424	320-114364-1	Surface Water	N	08/04/2024	08:00	FS
SEEP-C-INFLUENT-24-080424-D	320-114364-2	Surface Water	N	08/04/2024	08:00	DUP
SEEP-C-EFFLUENT-24-080424	320-114364-3	Surface Water	N	08/04/2024	08:00	FS
SEEP-EB-080524	320-114364-4	Blank Water	N	08/05/2024	11:30	EB
SEEP-FB-080524	320-114364-5	Blank Water	N	08/05/2024	11:35	FB
SEEP-A-INFLUENT-6-080524	320-114453-1	Surface Water	N	08/05/2024	14:00	FS
SEEP-A-EFFLUENT-6-080524	320-114453-2	Surface Water	N	08/05/2024	14:00	FS
SEEP-A-INFLUENT-24-081724	320-114675-1	Surface Water	N	08/17/2024	23:00	FS
SEEP-A-EFFLUENT-24-081724	320-114675-2	Surface Water	N	08/17/2024	23:00	FS
SEEP-D-INFLUENT-24-081724	320-114675-3	Surface Water	N	08/17/2024	23:00	FS
SEEP-D-EFFLUENT-24-081724	320-114675-4	Surface Water	N	08/17/2024	23:00	FS
SEEP-D-INFLUENT-24-082824	320-114989-1	Surface Water	N	08/28/2024	13:00	FS
SEEP-D-EFFLUENT-24-082824	320-114989-2	Surface Water	N	08/28/2024	13:00	FS
SEEP-D-INFLUENT-6-083024	320-115139-1	Surface Water	N	08/30/2024	14:30	FS
SEEP-D-INFLUENT-6-083024-D	320-115139-2	Surface Water	N	08/30/2024	14:30	DUP

SEEP-D-EFFLUENT-6-083024	320-115139-3	Surface Water	N	08/30/2024	14:30	FS
SEEP-EB-090424	320-115139-4	Blank Water	N	09/04/2024	13:45	EB
SEEP-FB-090424	320-115139-5	Blank Water	N	09/04/2024	13:50	FB
SEEP-A-INFLUENT-6-090624	320-115198-1	Surface Water	N	09/06/2024	15:15	FS
SEEP-A-EFFLUENT-6-090624	320-115198-2	Surface Water	N	09/06/2024	15:15	FS
SEEP-D-INFLUENT-6-090624	320-115198-3	Surface Water	N	09/06/2024	14:15	FS
SEEP-D-EFFLUENT-6-090624	320-115198-4	Surface Water	N	09/06/2024	14:15	FS
Seep-A-Influent-24-092424	320-115747-1	Surface Water	N	09/24/2024	00:00	FS
Seep-A-Effluent-24-092424	320-115747-2	Surface Water	N	09/24/2024	00:00	FS
Seep-B-Influent-24-092424	320-115747-3	Surface Water	N	09/24/2024	00:00	FS
Seep-B-Effluent-24-092424	320-115747-4	Surface Water	N	09/24/2024	00:00	FS
Seep-C-Influent-24-092424	320-115747-5	Surface Water	N	09/24/2024	00:00	FS
Seep-C-Effluent-24-092424	320-115747-6	Surface Water	N	09/24/2024	00:00	FS
Seep-D-Influent-24-092424	320-115747-7	Surface Water	N	09/24/2024	00:00	FS
Seep-D-Effluent-24-092424	320-115747-8	Surface Water	N	09/24/2024	00:00	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	Seep Flow Through Cell Sampling 2024

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?		X		X	
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

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- Field and laboratory blank contamination
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- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.)

DVM Narrative Report

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-6-090624	09/06/2024	320-115198-2	PFO2HxA	0.0082	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-6-090624	09/06/2024	320-115198-2	PFO3OA	0.0022	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-B-Effluent-24-092424	09/24/2024	320-115747-4	PFO3OA	0.0051	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Effluent-24-092424	09/24/2024	320-115747-8	Hfpo Dimer Acid	0.0022	UG/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Effluent-24-092424	09/24/2024	320-115747-8	PFO2HxA	0.0056	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-6-083024	08/30/2024	320-115139-3	PFO2HxA	0.0032	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-6-083024	08/30/2024	320-115139-3	PFMOAA	0.0084	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-6-090624	09/06/2024	320-115198-4	Hfpo Dimer Acid	0.0069	UG/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-6-090624	09/06/2024	320-115198-4	PFO3OA	0.0020	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-A-Effluent-24-092424	09/24/2024	320-115747-2	Hfpo Dimer Acid	0.0035	UG/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-A-Effluent-24-092424	09/24/2024	320-115747-2	PFO2HxA	0.0086	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-6-090624	09/06/2024	320-115198-2	Hfpo Dimer Acid	0.0040	UG/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-6-083024	08/30/2024	320-115139-1	Hydrolyzed PSDA	0.24	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424	08/04/2024	320-114364-1	R-PSDA	1.9	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424	08/04/2024	320-114364-1	Hydrolyzed PSDA	0.29	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-6-090624	09/06/2024	320-115198-2	Hydrolyzed PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-6-080524	08/05/2024	320-114453-2	Hydrolyzed PSDA	0.0070	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-081724	08/17/2024	320-114675-2	Hydrolyzed PSDA	0.0032	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-081724	08/17/2024	320-114675-3	R-PSDA	0.12	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-081724	08/17/2024	320-114675-3	Hydrolyzed PSDA	0.060	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-082824	08/28/2024	320-114989-1	R-PSDA	0.89	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-082824	08/28/2024	320-114989-1	Hydrolyzed PSDA	0.75	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-082824	08/28/2024	320-114989-1	R-EVE	0.52	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Influent-24-092424	09/24/2024	320-115747-7	R-PSDA	0.12	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Influent-24-092424	09/24/2024	320-115747-7	Hydrolyzed PSDA	0.085	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Influent-24-092424	09/24/2024	320-115747-7	R-EVE	0.075	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-083024	08/30/2024	320-115139-1	R-PSDA	0.29	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-083024	08/30/2024	320-115139-1	R-EVE	0.15	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-083024-D	08/30/2024	320-115139-2	R-PSDA	0.27	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-083024-D	08/30/2024	320-115139-2	Hydrolyzed PSDA	0.24	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-083024-D	08/30/2024	320-115139-2	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-090624	09/06/2024	320-115198-3	R-PSDA	0.27	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-090624	09/06/2024	320-115198-3	Hydrolyzed PSDA	0.27	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-090624	09/06/2024	320-115198-3	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-B-Influent-24-092424	09/24/2024	320-115747-3	R-PSDA	0.45	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-B-Influent-24-092424	09/24/2024	320-115747-3	Hydrolyzed PSDA	1.6	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-B-Influent-24-092424	09/24/2024	320-115747-3	R-EVE	0.25	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-072624	07/26/2024	320-114179-1	Hydrolyzed PSDA	0.098	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-INFLUENT-24-080424	08/04/2024	320-114364-1	R-PSDA	0.14	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424	08/04/2024	320-114364-1	R-EVE	1.4	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424	08/04/2024	320-114364-1	R-EVE	0.11	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424-D	08/04/2024	320-114364-2	R-PSDA	2.0	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424-D	08/04/2024	320-114364-2	R-PSDA	0.11	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424-D	08/04/2024	320-114364-2	Hydrolyzed PSDA	0.26	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424-D	08/04/2024	320-114364-2	R-EVE	1.3	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-080424-D	08/04/2024	320-114364-2	R-EVE	0.12	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Influent-24-092424	09/24/2024	320-115747-5	R-PSDA	0.093	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Influent-24-092424	09/24/2024	320-115747-5	R-EVE	0.075	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-6-070124-D	07/01/2024	320-113659-2	R-PSDA	0.12	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-12-072624	07/26/2024	320-114179-5	R-PSDA	0.65	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-12-072624	07/26/2024	320-114179-5	Hydrolyzed PSDA	2.0	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-12-072624	07/26/2024	320-114179-5	R-EVE	0.35	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-081724	08/17/2024	320-114675-1	R-PSDA	0.50	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-081724	08/17/2024	320-114675-1	Hydrolyzed PSDA	0.48	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-081724	08/17/2024	320-114675-1	R-EVE	0.22	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-A-Influent-24-092424	09/24/2024	320-115747-1	R-PSDA	0.30	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-A-Influent-24-092424	09/24/2024	320-115747-1	Hydrolyzed PSDA	0.89	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-A-Influent-24-092424	09/24/2024	320-115747-1	R-EVE	0.12	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-6-080524	08/05/2024	320-114453-1	R-PSDA	0.69	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-6-080524	08/05/2024	320-114453-1	Hydrolyzed PSDA	2.3	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-6-080524	08/05/2024	320-114453-1	R-EVE	0.38	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-6-090624	09/06/2024	320-115198-1	R-PSDA	0.60	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-6-090624	09/06/2024	320-115198-1	Hydrolyzed PSDA	0.98	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-6-090624	09/06/2024	320-115198-1	R-EVE	0.25	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-B-Effluent-24-092424	09/24/2024	320-115747-4	R-PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-B-Effluent-24-092424	09/24/2024	320-115747-4	Hydrolyzed PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: FTC-PM- WQ-TSS 3Q24 (update)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-C-INFLUENT-TSS-070824	320-113659-6	Surface Water	N	07/08/2024	11:25	FS
SEEP-C-EFFLUENT-TSS-070824	320-113659-7	Surface Water	N	07/08/2024	11:30	FS
SEEP-C-INFLUENT-TSS-072324	320-114057-3	Surface Water	N	07/23/2024	12:25	FS
SEEP-C-EFFLUENT-TSS-072324	320-114057-4	Surface Water	N	07/23/2024	12:30	FS
SEEP-C-INFLUENT-TSS-072924	320-114179-3	Surface Water	N	07/29/2024	11:15	FS
SEEP-C-EFFLUENT-TSS-072924	320-114179-4	Surface Water	N	07/29/2024	11:20	FS
SEEP-A-INFLUENT-TSS-072924	320-114179-7	Surface Water	N	07/29/2024	11:00	FS
SEEP-A-EFFLUENT-TSS-072924	320-114179-8	Surface Water	N	07/29/2024	11:05	FS
SEEP-C-INFLUENT-TSS-080524	320-114364-6	Surface Water	N	08/05/2024	11:20	FS
SEEP-C-EFFLUENT-TSS-080524	320-114364-7	Surface Water	N	08/05/2024	11:25	FS
SEEP-A-INFLUENT-TSS-080624	320-114453-3	Surface Water	N	08/06/2024	11:20	FS
SEEP-A-EFFLUENT-TSS-080624	320-114453-4	Surface Water	N	08/06/2024	11:25	FS
SEEP-A-INFLUENT-TSS-081924	320-114675-5	Surface Water	N	08/19/2024	11:20	FS
SEEP-A-EFFLUENT-TSS-081924	320-114675-6	Surface Water	N	08/19/2024	11:25	FS
SEEP-D-INFLUENT-TSS-081924	320-114675-7	Surface Water	N	08/19/2024	11:00	FS
SEEP-D-EFFLUENT-TSS-081924	320-114675-8	Surface Water	N	08/19/2024	11:05	FS
SEEP-D-INFLUENT-TSS-082924	320-114989-3	Surface Water	N	08/29/2024	10:25	FS
SEEP-D-EFFLUENT-TSS-082924	320-114989-4	Surface Water	N	08/29/2024	10:30	FS
SEEP-D-INFLUENT-TSS-090424	320-115139-6	Surface Water	N	09/04/2024	10:35	FS
SEEP-D-EFFLUENT-TSS-090424	320-115139-7	Surface Water	N	09/04/2024	10:30	FS
SEEP-A-INFLUENT-TSS-090924	320-115198-5	Surface Water	N	09/09/2024	13:30	FS
SEEP-A-EFFLUENT-TSS-090924	320-115198-6	Surface Water	N	09/09/2024	13:35	FS
SEEP-D-INFLUENT-TSS-090924	320-115198-7	Surface Water	N	09/09/2024	13:10	FS
SEEP-D-EFFLUENT-TSS-090924	320-115198-8	Surface Water	N	09/09/2024	13:15	FS
Seep-A-Influent-TSS-092524	320-115743-1	Surface Water	N	09/25/2024	13:20	FS
Seep-A-Effluent-TSS-092524	320-115743-2	Surface Water	N	09/25/2024	13:25	FS

Seep-B-Influent-TSS-092524	320-115743-3	Surface Water	N	09/25/2024	13:40	FS
Seep-B-Effluent-TSS-092524	320-115743-4	Surface Water	N	09/25/2024	13:45	FS
Seep-C-Influent-TSS-092524	320-115743-5	Surface Water	N	09/25/2024	13:55	FS
Seep-C-Effluent-TSS-092524	320-115743-6	Surface Water	N	09/25/2024	13:50	FS
Seep-D-Influent-TSS-092524	320-115743-7	Surface Water	N	09/25/2024	14:00	FS
Seep-D-Effluent-TSS-092524	320-115743-8	Surface Water	N	09/25/2024	14:05	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	SM 2540 D-2015	Total Suspended Solids	Seep Flow Through Cell Sampling 2024

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X	X	
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?	X				
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.)

DVM Narrative Report

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-EFFLUENT-TSS-090424	09/04/2024	320-115139-7	Total Suspended Solids	1.0	MG/L	MDL	1.0	3.0	UJ	SM 2540 D-2015		

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-TSS-090424	09/04/2024	320-115139-6	Total Suspended Solids	4.9	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-TSS-090924	09/09/2024	320-115198-6	Total Suspended Solids	1.6	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-D-EFFLUENT-TSS-090924	09/09/2024	320-115198-8	Total Suspended Solids	1.5	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
Seep-A-Effluent-TSS-092524	09/25/2024	320-115743-2	Total Suspended Solids	1.8	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
Seep-C-Effluent-TSS-092524	09/25/2024	320-115743-6	Total Suspended Solids	1.0	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-C-EFFLUENT-TSS-072924	07/29/2024	320-114179-4	Total Suspended Solids	2.4	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-C-EFFLUENT-TSS-080524	08/05/2024	320-114364-7	Total Suspended Solids	2.6	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-A-EFFLUENT-TSS-080624	08/06/2024	320-114453-4	Total Suspended Solids	2.3	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-D-EFFLUENT-TSS-081924	08/19/2024	320-114675-8	Total Suspended Solids	1.5	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-D-INFLUENT-TSS-081924	08/19/2024	320-114675-7	Total Suspended Solids	15	MG/L	MDL	6.7	20	J	SM 2540 D-2015		
SEEP-D-EFFLUENT-TSS-082924	08/29/2024	320-114989-4	Total Suspended Solids	1.8	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP GW Sampling 3Q24 - select GW

Project Reviewer: Michael Aucoin

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP3Q24-OW-40-071624	320-113883-1	Groundwater	N	07/16/2024	15:25	FS
CAP3Q24-OW-33-071624	320-113883-4	Groundwater	N	07/16/2024	12:05	FS
CAP3Q24-SMW-12-071624	320-113886-2	Groundwater	N	07/16/2024	13:00	FS
CAP3Q24-OW-30-071624	320-113886-5	Groundwater	N	07/16/2024	13:04	FS
CAP3Q24-PIW-11-071824	320-113919-1	Groundwater	N	07/18/2024	10:15	FS
CAP3Q24-PIW-12-071824	320-113919-2	Groundwater	N	07/18/2024	13:50	FS
CAP3Q24-PIW-13-071824	320-113919-3	Groundwater	N	07/18/2024	12:25	FS
CAP3Q24-OW-32-071824	320-113919-4	Groundwater	N	07/18/2024	12:11	FS
CAP3Q24-OW-37-071824	320-113919-5	Groundwater	N	07/18/2024	14:20	FS
CAP3Q24-LTW-02-071824	320-113921-5	Groundwater	N	07/18/2024	11:25	FS
CAP3Q24-OW-28-071824	320-113926-1	Groundwater	N	07/18/2024	12:50	FS
CAP3Q24-OW-55-071824	320-113926-3	Groundwater	N	07/18/2024	15:01	FS
CAP3Q24-PIW-3D-072324	320-114046-2	Groundwater	N	07/23/2024	12:50	FS
CAP3Q24-PIW-4D-072324	320-114046-3	Groundwater	N	07/23/2024	12:40	FS
CAP3Q24-OW-56-072324	320-114046-4	Groundwater	N	07/23/2024	11:30	FS
CAP3Q24-PIW-10DR-072524	320-114118-2	Groundwater	N	07/25/2024	15:00	FS
CAP3Q24-OW-57-072524	320-114118-3	Groundwater	N	07/25/2024	16:15	FS
CAP3Q24-PZ-22-072524	320-114118-4	Groundwater	N	07/25/2024	14:00	FS
CAP3Q24-PIW-8D-072524	320-114118-5	Groundwater	N	07/25/2024	12:20	FS
CAP3Q24-LTW-5-072524	320-114129-1	Groundwater	N	07/25/2024	10:28	FS
CAP3Q24-PIW-7D-072324	320-114131-1	Groundwater	N	07/23/2024	14:26	FS
CAP3Q24-LTW-04-072424	320-114134-1	Groundwater	N	07/24/2024	15:45	FS
CAP3Q24-OW-4R-072424	320-114134-2	Groundwater	N	07/24/2024	16:20	FS
CAP3Q24-PIW-7S-072424	320-114134-3	Groundwater	N	07/24/2024	12:35	FS
CAP3Q24-PW-11-072424	320-114134-4	Groundwater	N	07/24/2024	11:38	FS

CAP3Q24-PIW-1D-072324	320-114137-1	Groundwater	N	07/23/2024	15:40	FS
CAP3Q24-LTW-03-072924	320-114196-2	Groundwater	N	07/29/2024	10:35	FS
CAP3Q24-PIW-6S-072924	320-114196-3	Groundwater	N	07/29/2024	12:20	FS
CAP3Q24-LTW-01-072624	320-114201-4	Groundwater	N	07/26/2024	11:40	FS
CAP3Q24-PW-04-072624	320-114245-1	Groundwater	N	07/26/2024	09:55	FS
CAP3Q24-PW-10RR-073024	320-114245-5	Groundwater	N	07/30/2024	12:15	FS
CAP3Q24-OW-51-073024	320-114310-4	Groundwater	N	07/30/2024	14:20	FS
CAP3Q24-PIW-14-080524	320-114357-3	Groundwater	N	08/05/2024	13:35	FS
CAP3Q24-PIW-15-090324	320-115122-1	Groundwater	N	09/03/2024	13:15	FS

* FS=Field Sample
  DUP=Field Duplicate
  FB=Field Blank
  EB=Equipment Blank
  TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP GW Sampling 3Q24

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP GW Sampling 3Q24-GW **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q24-LTW-01-072624	07/26/2024	320-114201-4	R-PSDA	0.95	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-LTW-01-072624	07/26/2024	320-114201-4	Hydrolyzed PSDA	0.57	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-LTW-01-072624	07/26/2024	320-114201-4	R-EVE	0.56	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-LTW-02-071824	07/18/2024	320-113921-5	R-PSDA	0.86	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-LTW-02-071824	07/18/2024	320-113921-5	Hydrolyzed PSDA	1.7	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-LTW-02-071824	07/18/2024	320-113921-5	R-EVE	0.65	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-LTW-03-072924	07/29/2024	320-114196-2	R-PSDA	1.0	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-LTW-03-072924	07/29/2024	320-114196-2	Hydrolyzed PSDA	8.2	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-LTW-03-072924	07/29/2024	320-114196-2	R-EVE	0.50	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-LTW-04-072424	07/24/2024	320-114134-1	R-PSDA	2.0	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-LTW-04-072424	07/24/2024	320-114134-1	Hydrolyzed PSDA	4.0	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-LTW-04-072424	07/24/2024	320-114134-1	R-EVE	1.9	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-LTW-5-072524	07/25/2024	320-114129-1	R-PSDA	1.3	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-LTW-5-072524	07/25/2024	320-114129-1	Hydrolyzed PSDA	2.3	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-LTW-5-072524	07/25/2024	320-114129-1	R-EVE	1.6	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-28-071824	07/18/2024	320-113926-1	R-PSDA	0.23	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-28-071824	07/18/2024	320-113926-1	R-EVE	0.13	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-30-071624	07/16/2024	320-113886-5	R-PSDA	0.50	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-30-071624	07/16/2024	320-113886-5	Hydrolyzed PSDA	0.69	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-OW-30-071624	07/16/2024	320-113886-5	R-EVE	0.54	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-32-071824	07/18/2024	320-113919-4	R-PSDA	0.39	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-32-071824	07/18/2024	320-113919-4	Hydrolyzed PSDA	1.0	UG/L	PQL		0.034	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 3Q24-GW **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q24-OW-32-071824	07/18/2024	320-113919-4	R-EVE	0.28	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-33-071624	07/16/2024	320-113883-4	R-PSDA	0.32	UG/L	PQL		0.024	J	537 Modified		3535
CAP3Q24-OW-33-071624	07/16/2024	320-113883-4	Hydrolyzed PSDA	0.10	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-OW-33-071624	07/16/2024	320-113883-4	R-EVE	0.33	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-OW-37-071824	07/18/2024	320-113919-5	R-PSDA	0.56	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-37-071824	07/18/2024	320-113919-5	Hydrolyzed PSDA	0.15	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-OW-37-071824	07/18/2024	320-113919-5	R-EVE	0.29	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-40-071624	07/16/2024	320-113883-1	R-PSDA	0.23	UG/L	PQL		0.022	J	537 Modified		3535
CAP3Q24-OW-40-071624	07/16/2024	320-113883-1	Hydrolyzed PSDA	0.24	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-OW-40-071624	07/16/2024	320-113883-1	R-EVE	0.30	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-OW-4R-072424	07/24/2024	320-114134-2	R-PSDA	0.79	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-4R-072424	07/24/2024	320-114134-2	Hydrolyzed PSDA	3.2	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-OW-4R-072424	07/24/2024	320-114134-2	R-EVE	0.61	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-51-073024	07/30/2024	320-114310-4	R-PSDA	1.4	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-51-073024	07/30/2024	320-114310-4	Hydrolyzed PSDA	3.4	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-OW-51-073024	07/30/2024	320-114310-4	R-EVE	1.7	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-55-071824	07/18/2024	320-113926-3	R-PSDA	0.10	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-55-071824	07/18/2024	320-113926-3	R-EVE	0.063	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-56-072324	07/23/2024	320-114046-4	R-PSDA	0.15	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-56-072324	07/23/2024	320-114046-4	R-EVE	0.12	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-57-072524	07/25/2024	320-114118-3	R-PSDA	1.5	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-57-072524	07/25/2024	320-114118-3	Hydrolyzed PSDA	23	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-OW-57-072524	07/25/2024	320-114118-3	R-EVE	0.29	UG/L	PQL		0.039	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 3Q24-GW **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q24-PIW-10DR-072524	07/25/2024	320-114118-2	R-PSDA	0.62	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-10DR-072524	07/25/2024	320-114118-2	Hydrolyzed PSDA	2.3	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-10DR-072524	07/25/2024	320-114118-2	R-EVE	0.49	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-11-071824	07/18/2024	320-113919-1	R-PSDA	0.19	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-11-071824	07/18/2024	320-113919-1	Hydrolyzed PSDA	0.043	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-11-071824	07/18/2024	320-113919-1	R-EVE	0.13	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-12-071824	07/18/2024	320-113919-2	R-PSDA	0.075	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-12-071824	07/18/2024	320-113919-2	R-EVE	0.057	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-13-071824	07/18/2024	320-113919-3	R-PSDA	0.34	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-13-071824	07/18/2024	320-113919-3	R-EVE	0.23	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-14-080524	08/05/2024	320-114357-3	R-PSDA	0.28	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-14-080524	08/05/2024	320-114357-3	R-EVE	0.24	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-15-090324	09/03/2024	320-115122-1	R-PSDA	0.18	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-15-090324	09/03/2024	320-115122-1	R-EVE	0.15	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-1D-072324	07/23/2024	320-114137-1	R-PSDA	0.48	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-1D-072324	07/23/2024	320-114137-1	R-EVE	0.35	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-3D-072324	07/23/2024	320-114046-2	R-PSDA	0.79	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-3D-072324	07/23/2024	320-114046-2	Hydrolyzed PSDA	0.14	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-3D-072324	07/23/2024	320-114046-2	R-EVE	0.42	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-4D-072324	07/23/2024	320-114046-3	R-PSDA	0.14	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-4D-072324	07/23/2024	320-114046-3	Hydrolyzed PSDA	0.62	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-4D-072324	07/23/2024	320-114046-3	R-EVE	0.097	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-6S-072924	07/29/2024	320-114196-3	R-PSDA	0.89	UG/L	PQL		0.035	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 3Q24-GW **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q24-PIW-6S-072924	07/29/2024	320-114196-3	Hydrolyzed PSDA	5.9	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-6S-072924	07/29/2024	320-114196-3	R-EVE	0.49	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-7D-072324	07/23/2024	320-114131-1	R-PSDA	0.70	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-7D-072324	07/23/2024	320-114131-1	Hydrolyzed PSDA	1.2	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-7D-072324	07/23/2024	320-114131-1	R-EVE	0.79	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-7S-072424	07/24/2024	320-114134-3	R-PSDA	1.2	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-7S-072424	07/24/2024	320-114134-3	Hydrolyzed PSDA	0.042	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-7S-072424	07/24/2024	320-114134-3	R-EVE	1.4	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PIW-8D-072524	07/25/2024	320-114118-5	R-PSDA	2.7	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PIW-8D-072524	07/25/2024	320-114118-5	Hydrolyzed PSDA	5.1	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PIW-8D-072524	07/25/2024	320-114118-5	R-EVE	2.8	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PW-10RR-073024	07/30/2024	320-114245-5	Hydrolyzed PSDA	0.095	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PW-10RR-073024	07/30/2024	320-114245-5	R-EVE	0.12	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PW-11-072424	07/24/2024	320-114134-4	R-PSDA	0.49	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PW-11-072424	07/24/2024	320-114134-4	Hydrolyzed PSDA	1.3	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PW-11-072424	07/24/2024	320-114134-4	R-EVE	0.20	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-PZ-22-072524	07/25/2024	320-114118-4	R-PSDA	0.61	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-PZ-22-072524	07/25/2024	320-114118-4	Hydrolyzed PSDA	1.6	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-PZ-22-072524	07/25/2024	320-114118-4	R-EVE	0.44	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-SMW-12-071624	07/16/2024	320-113886-2	R-PSDA	0.071	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-SMW-12-071624	07/16/2024	320-113886-2	R-EVE	0.070	UG/L	PQL		0.039	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 3Q24 - WC-PFAS

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP3Q24-EQBLK-IS-071124	320-113747-1	Blank Water	N	07/11/2024	14:10	EB
CAP3Q24-EQBLK-PP-SW-071124	320-113747-2	Blank Water	N	07/11/2024	14:00	EB
CAP3Q24-WC-3-24-071124	320-113747-5	Surface Water	N	07/11/2024	07:40	FS
CAP3Q24-WC-2-24-071124	320-113748-1	Surface Water	N	07/11/2024	07:01	FS
CAP3Q24-WC-1-24-071124	320-113748-2	Surface Water	N	07/11/2024	07:00	FS
CAP3Q24-WC-1-24-071124-D	320-113748-3	Surface Water	N	07/11/2024	07:00	DUP

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 3Q24 - WC

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 3Q24-WC **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

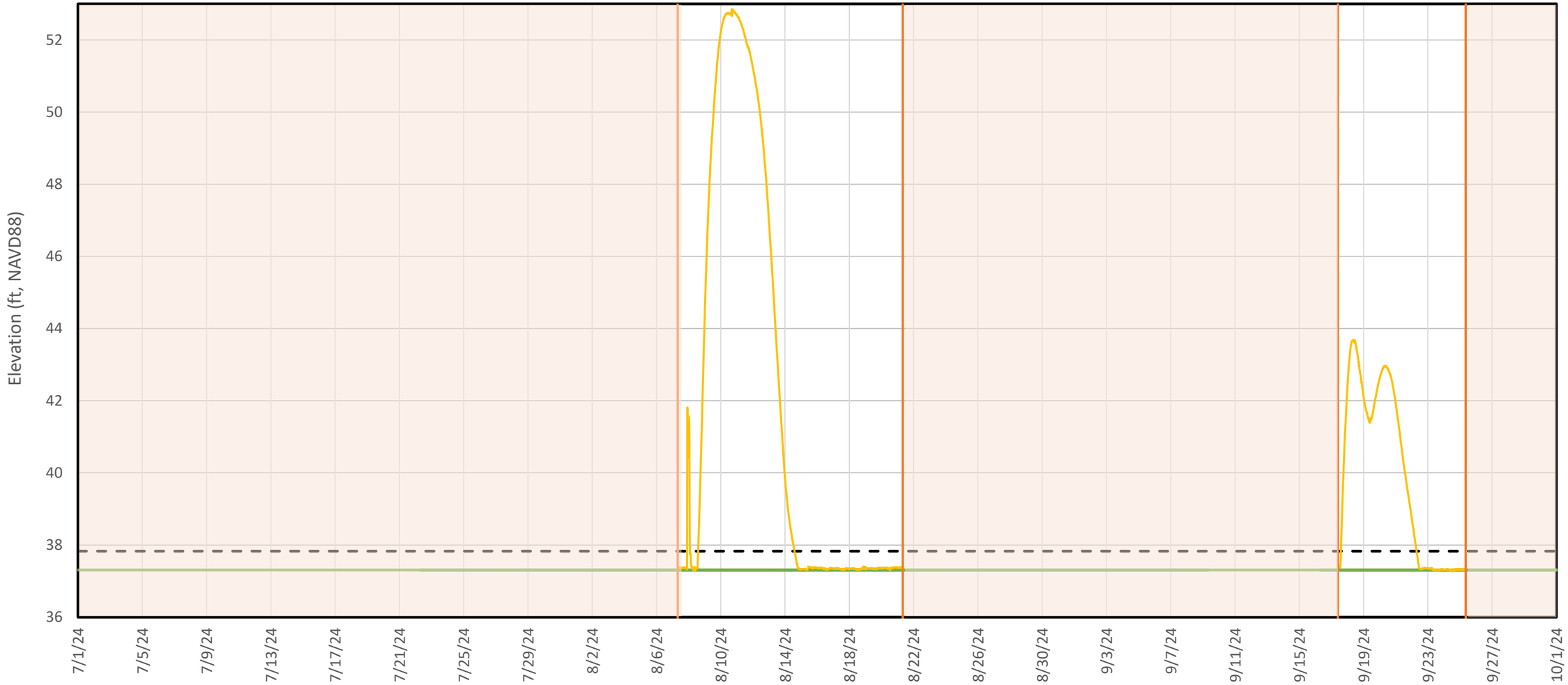
Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q24-WC-1-24-071124	07/11/2024	320-113748-2	R-EVE	0.064	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-1-24-071124	07/11/2024	320-113748-2	PFO3OA	0.079	ug/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 3Q24-WC **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q24-WC-1-24-071124	07/11/2024	320-113748-2	R-PSDA	0.16	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-1-24-071124	07/11/2024	320-113748-2	Hydrolyzed PSDA	0.34	UG/L	PQL		0.0048	J	537 Modified		3535
CAP3Q24-WC-1-24-071124-D	07/11/2024	320-113748-3	R-PSDA	0.16	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-1-24-071124-D	07/11/2024	320-113748-3	Hydrolyzed PSDA	0.40	UG/L	PQL		0.0049	J	537 Modified		3535
CAP3Q24-WC-1-24-071124-D	07/11/2024	320-113748-3	R-EVE	0.061	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-2-24-071124	07/11/2024	320-113748-1	R-PSDA	0.10	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-2-24-071124	07/11/2024	320-113748-1	Hydrolyzed PSDA	0.030	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-2-24-071124	07/11/2024	320-113748-1	R-EVE	0.051	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-3-24-071124	07/11/2024	320-113747-5	R-PSDA	0.097	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q24-WC-3-24-071124	07/11/2024	320-113747-5	R-EVE	0.040	UG/L	PQL		0.0020	J	537 Modified		3535

Appendix B
FTC Transducer Data Reduction



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC off, no flow

Notes:

GAC - granular activated carbon

Figure B1-A shows the discharge basin transducer data that was collected during the reporting period.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep A

Chemours Fayetteville Works

Fayetteville, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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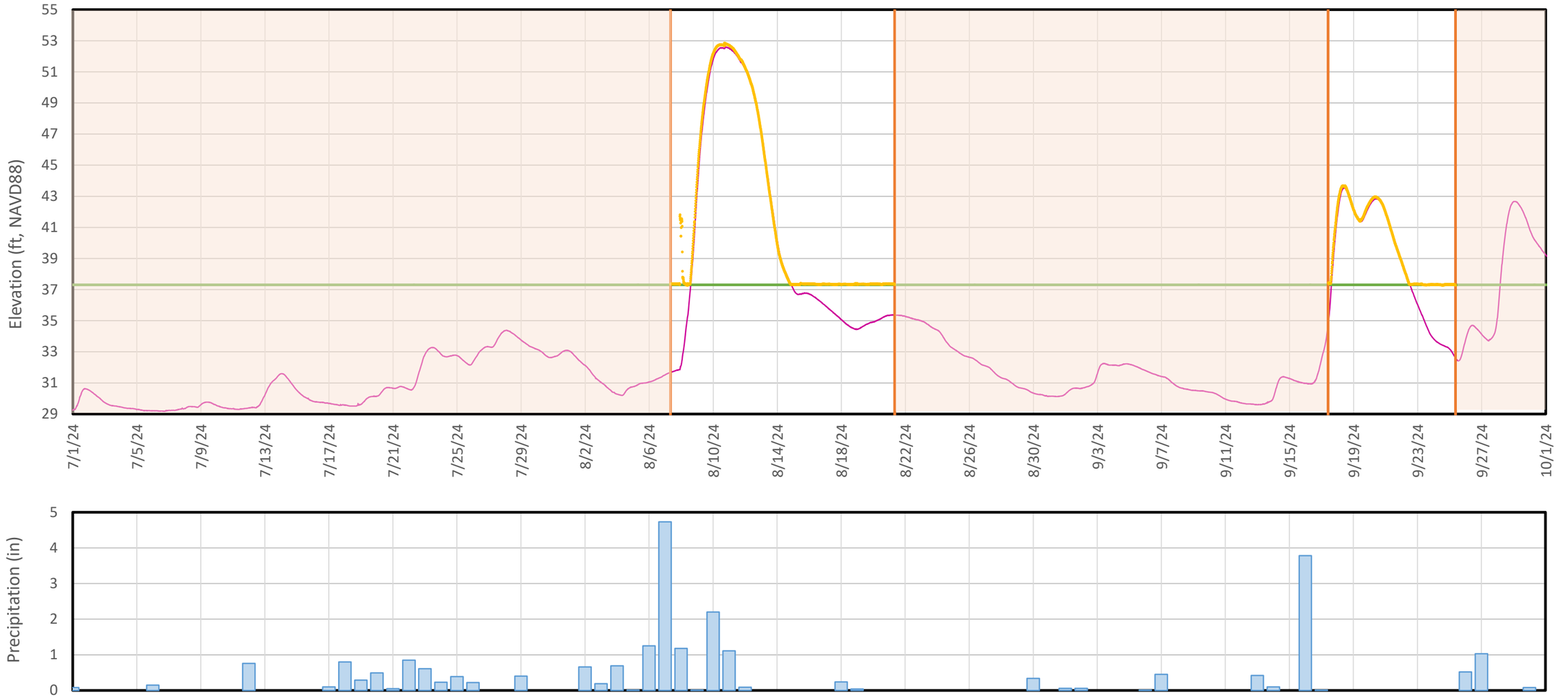
Figure B1-A



Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-A compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation and External Forcings - Seep A

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

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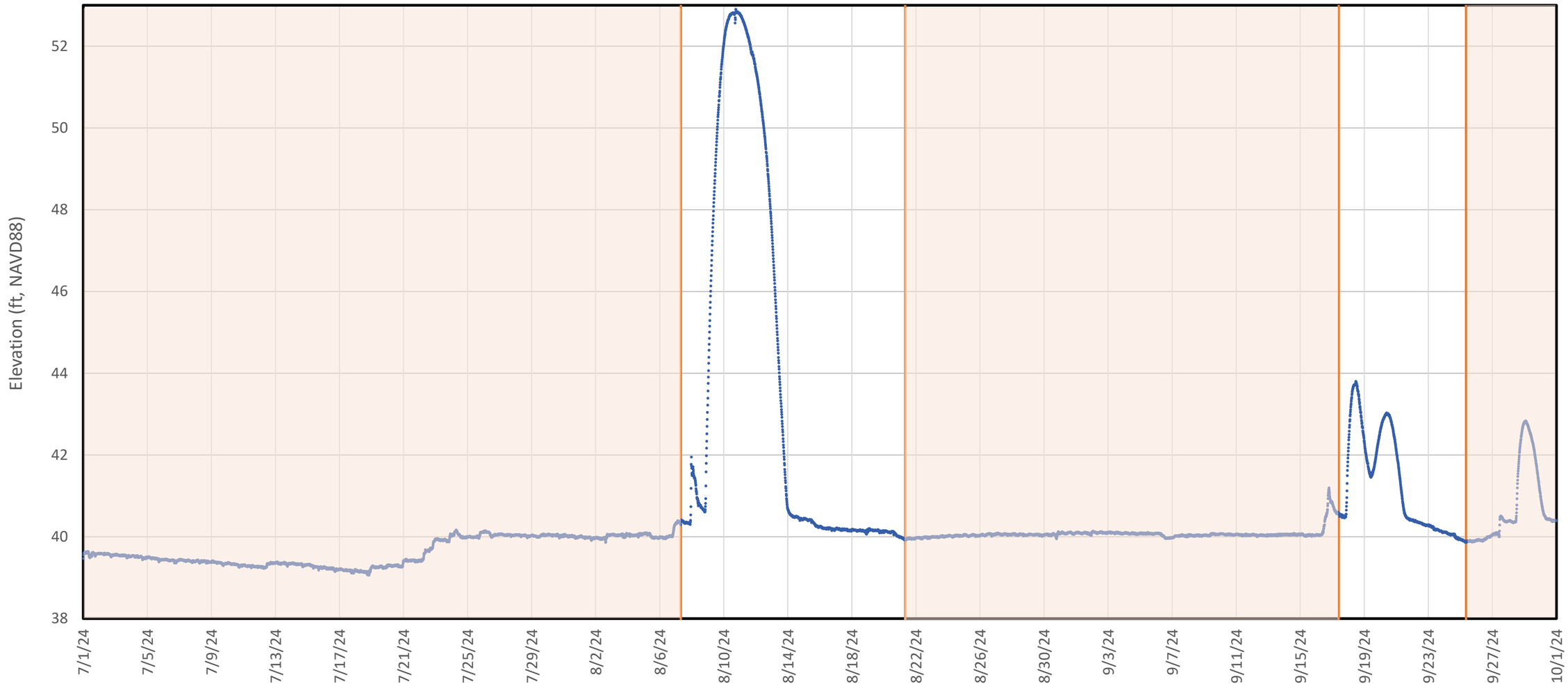
Figure B2-A



Legend

- Influent Chamber/Impoundment Elevation
- FTC off, no flow

Notes:

Figure B3-A shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep A

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Fayetteville, North Carolina

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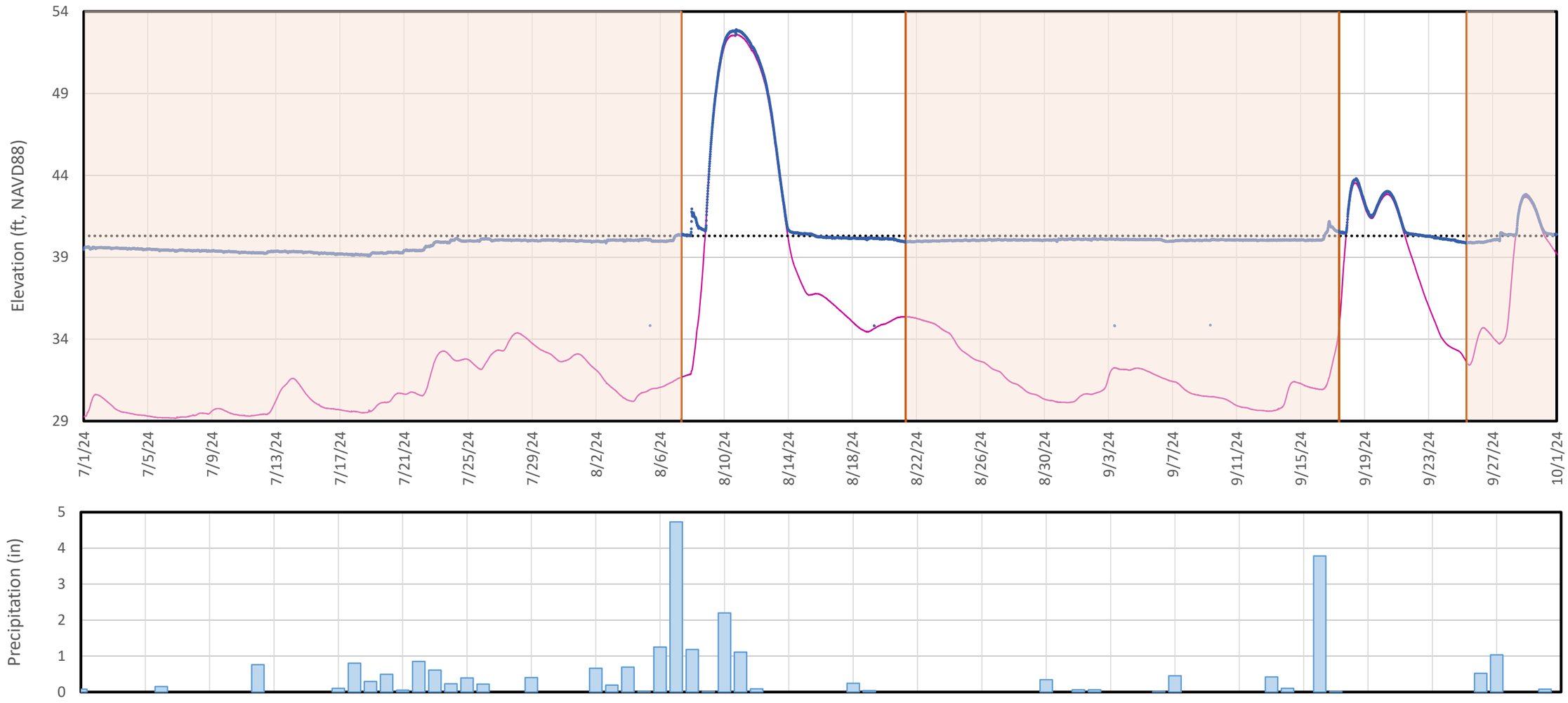
Figure B3-A



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC off, no flow

Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-A compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation and External Forcings - Seep A

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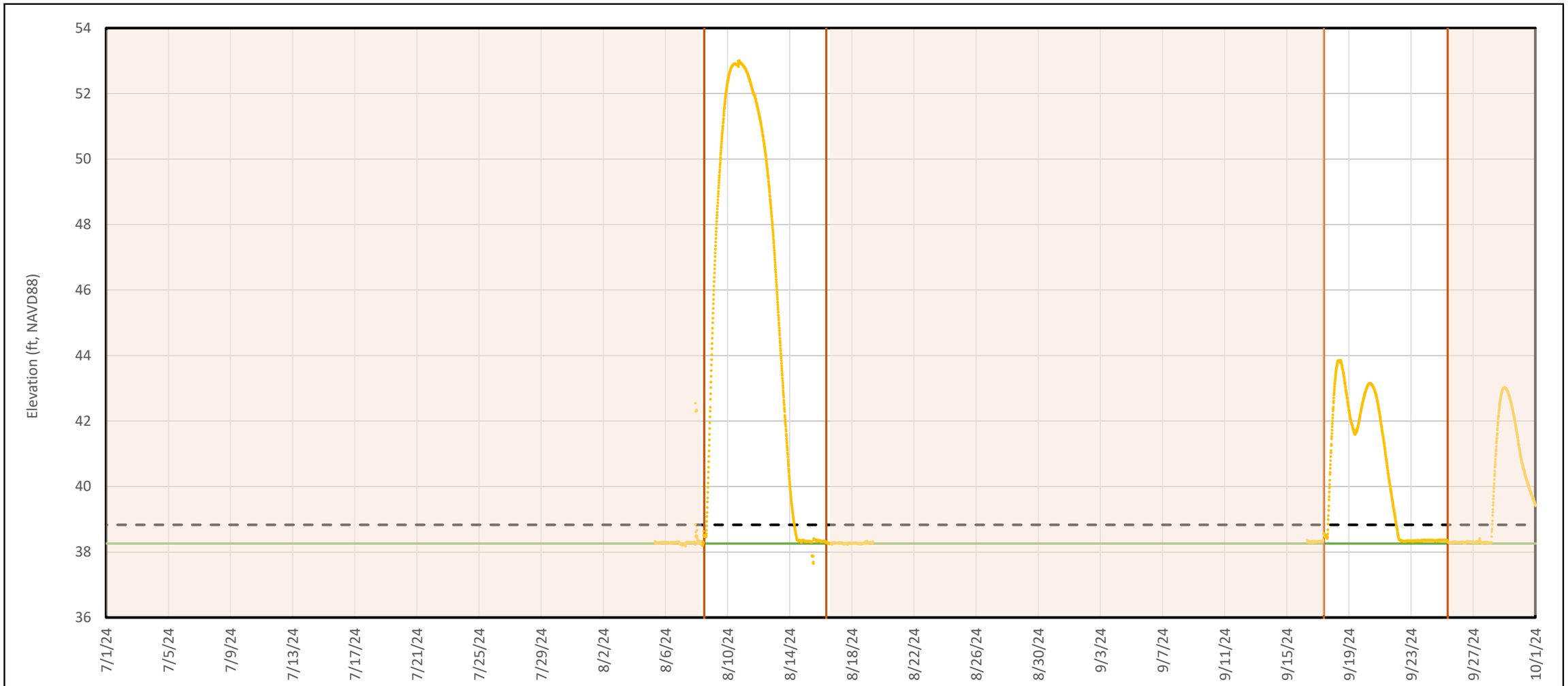
Figure B4-A



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC off, no flow

Notes:
GAC - granular activated carbon
Figure B1-B shows the discharge basin transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep B

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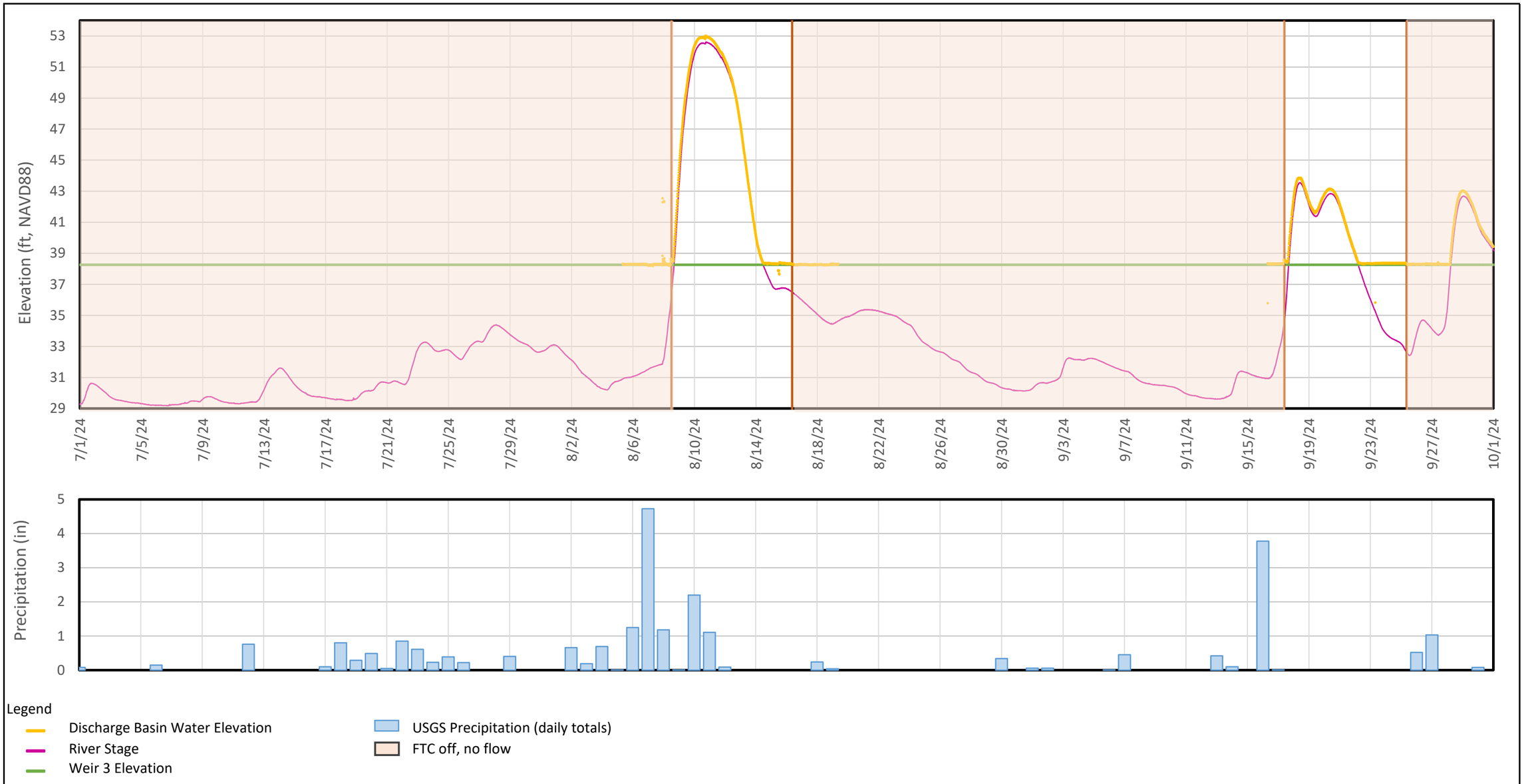
Figure B1-B



Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation and External Forcings - Seep B

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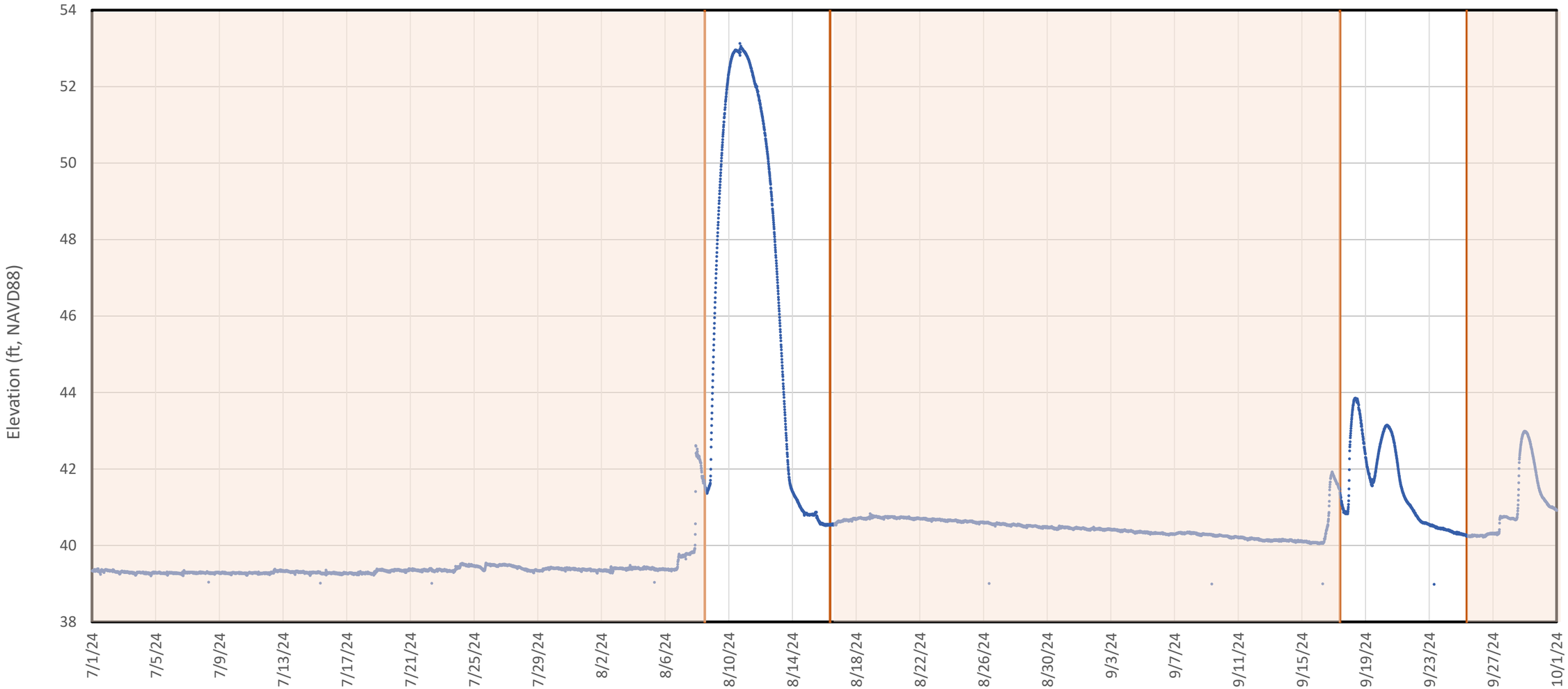
Figure B2-B



Legend

- Influent Chamber/Impoundment Elevation
- FTC off, no flow

Notes:

Figure B3-B shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep B

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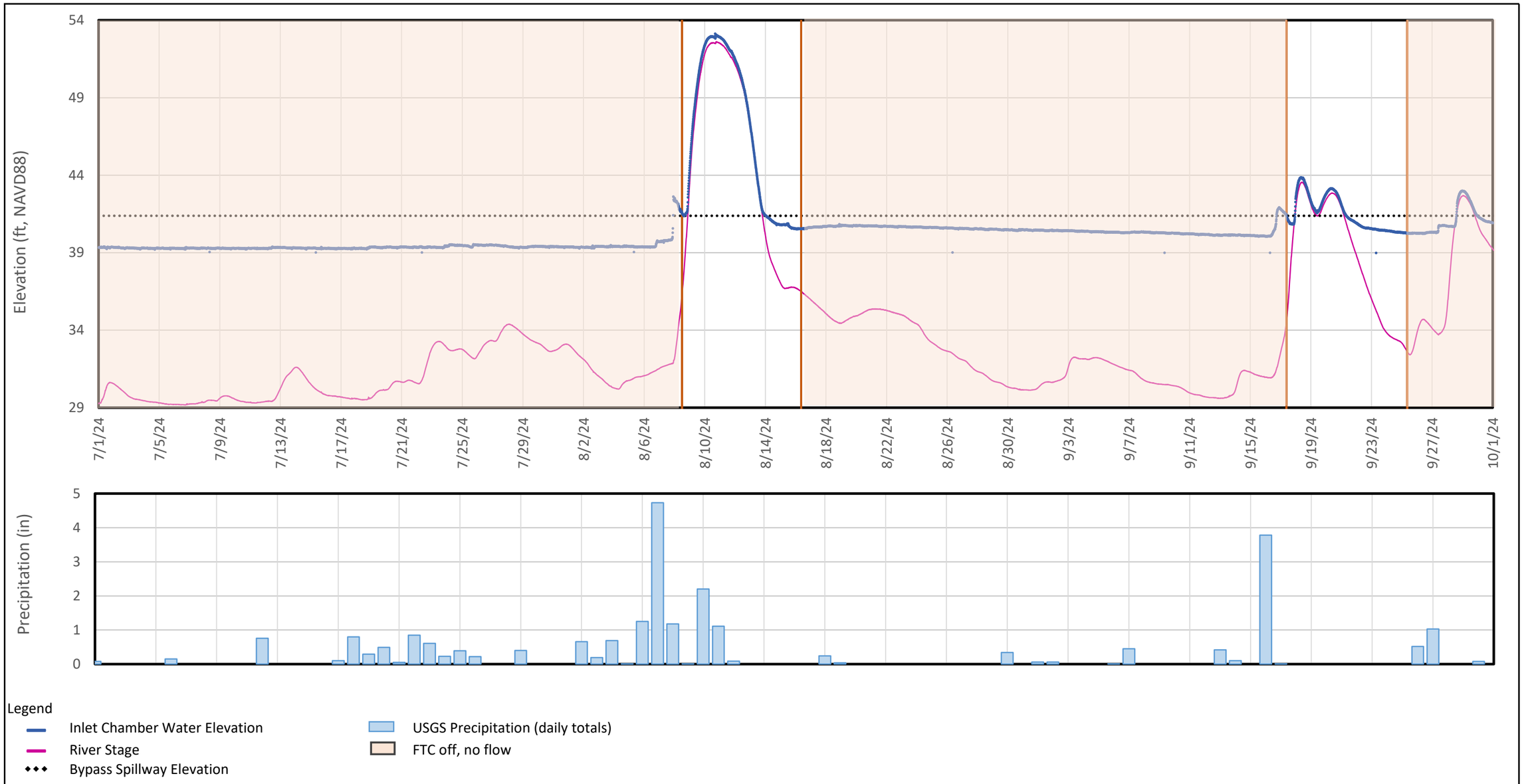
Figure B3-B



Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation and External Forcings - Seep B

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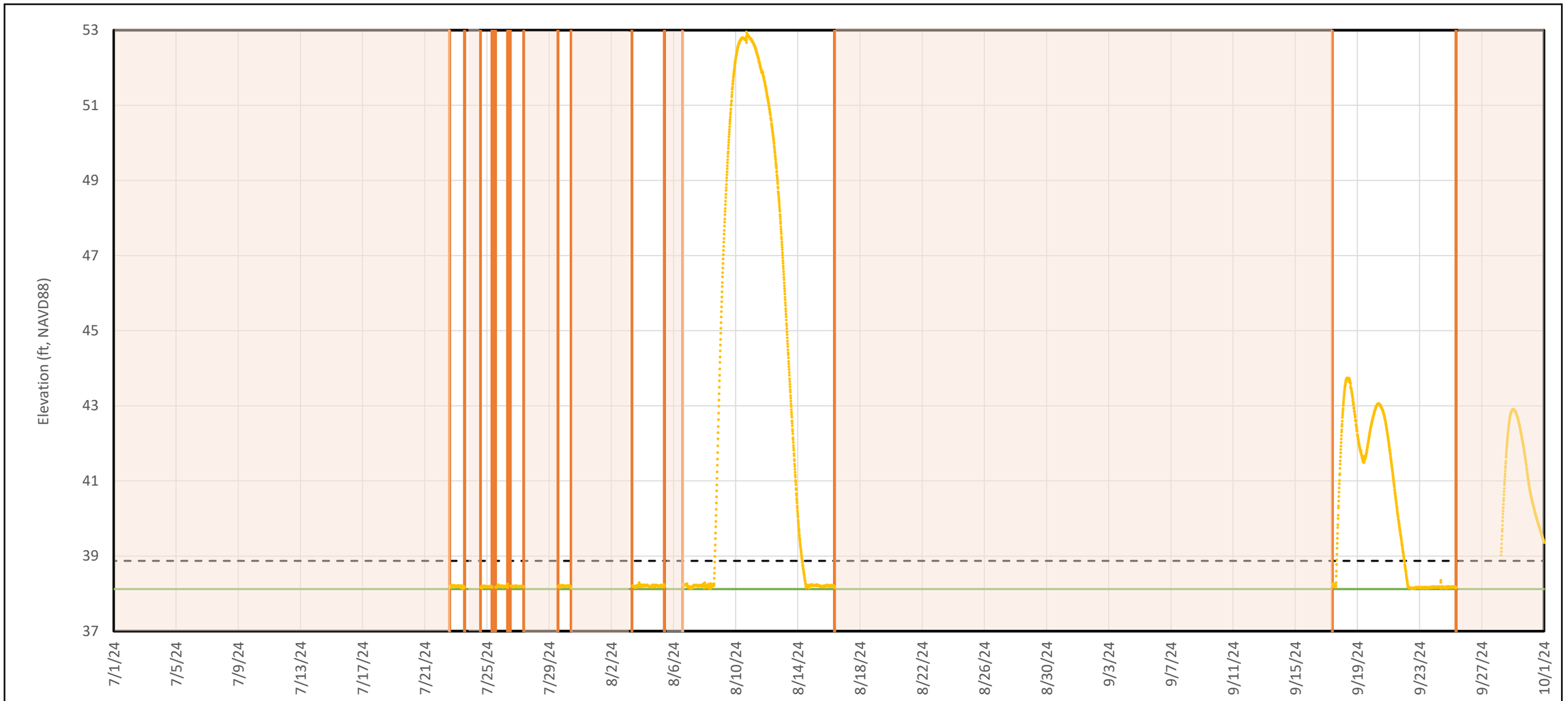
Figure B4-B



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC Off, no flow

Notes:

GAC - granular activated carbon

Figure B1-C shows the discharge basin transducer data that was collected during the reporting period.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep C

Chemours Fayetteville Works

Fayetteville, North Carolina

Geosyntec consultants

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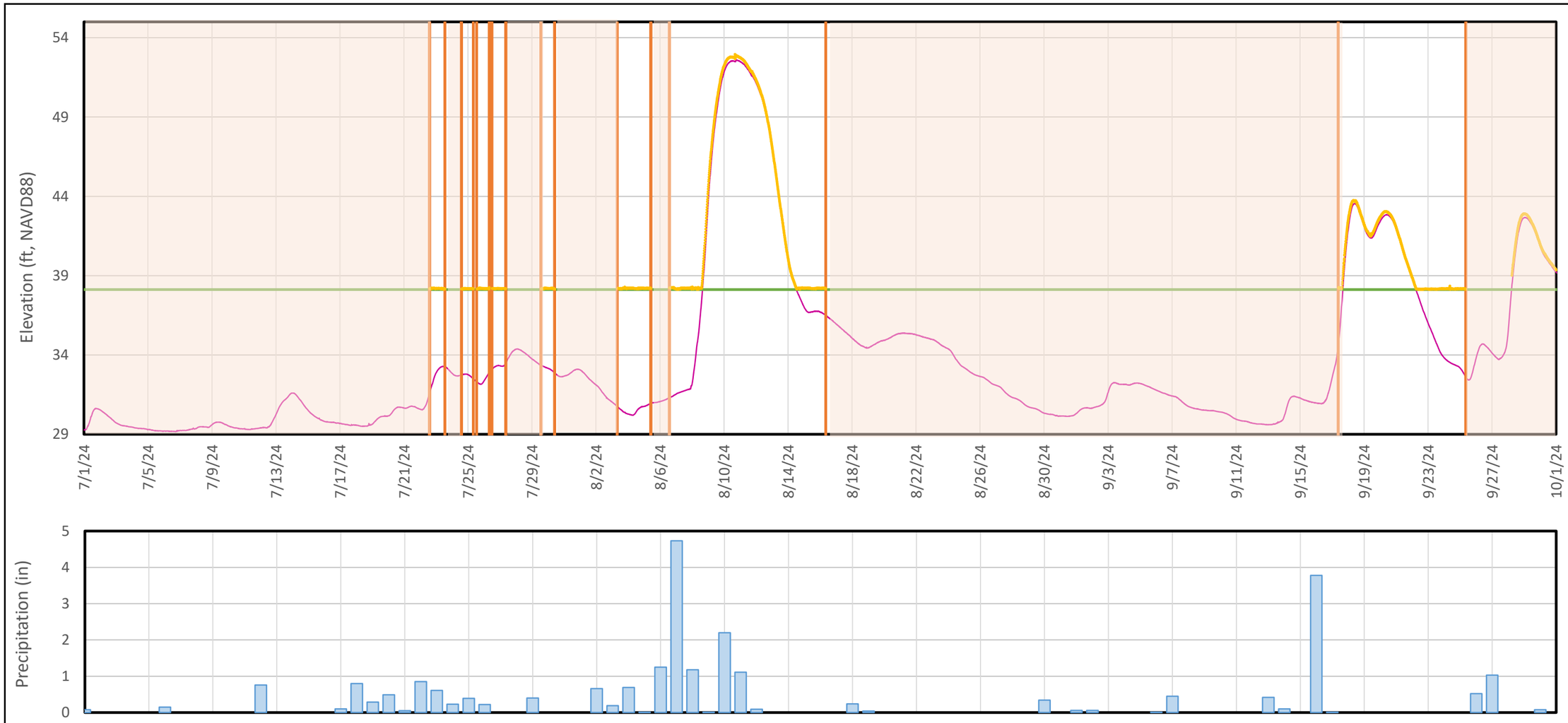
Figure B1-C



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-C compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation and External Forcings - Seep C

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Fayetteville, North Carolina

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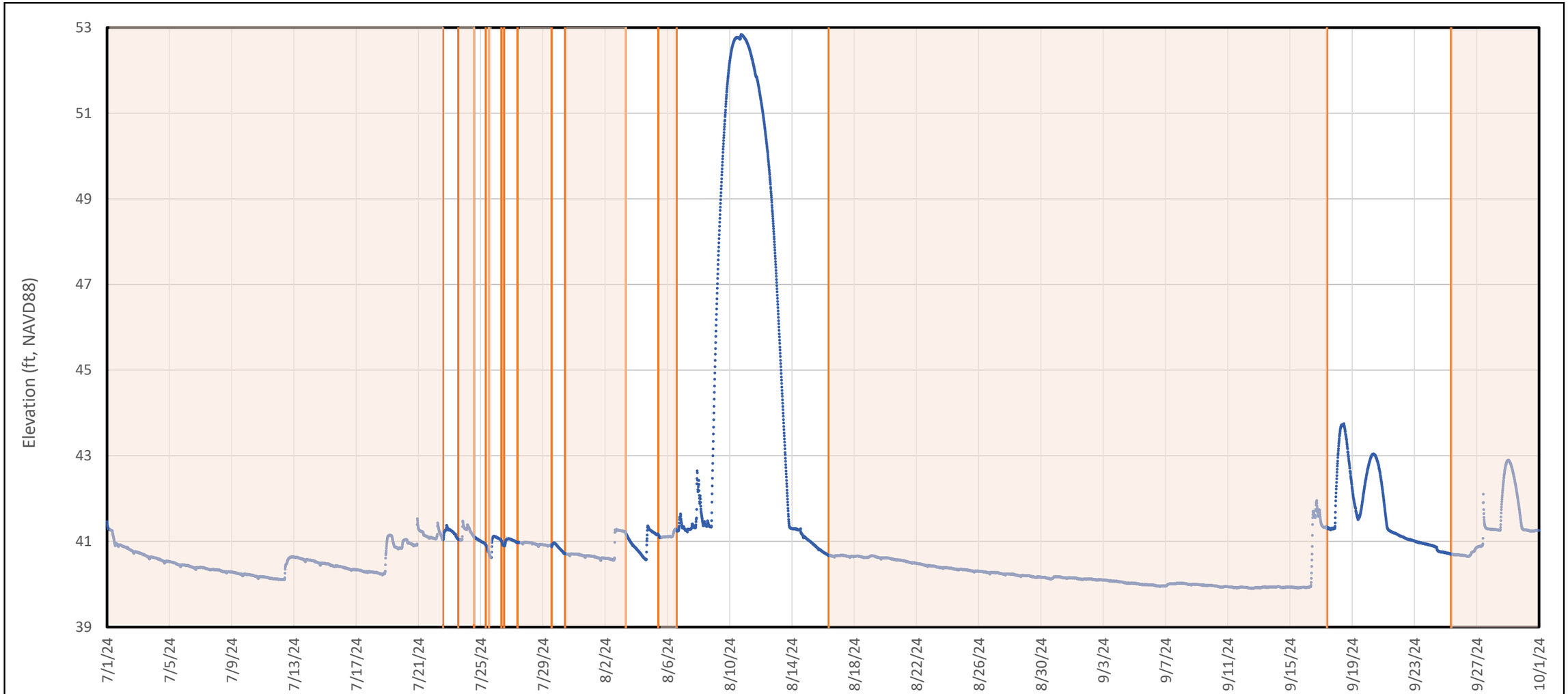
Figure B2-C



Legend

- Influent Chamber/Impoundment Elevation
- FTC Off, no flow

Notes:

Figure B3-C shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep C

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Fayetteville, North Carolina

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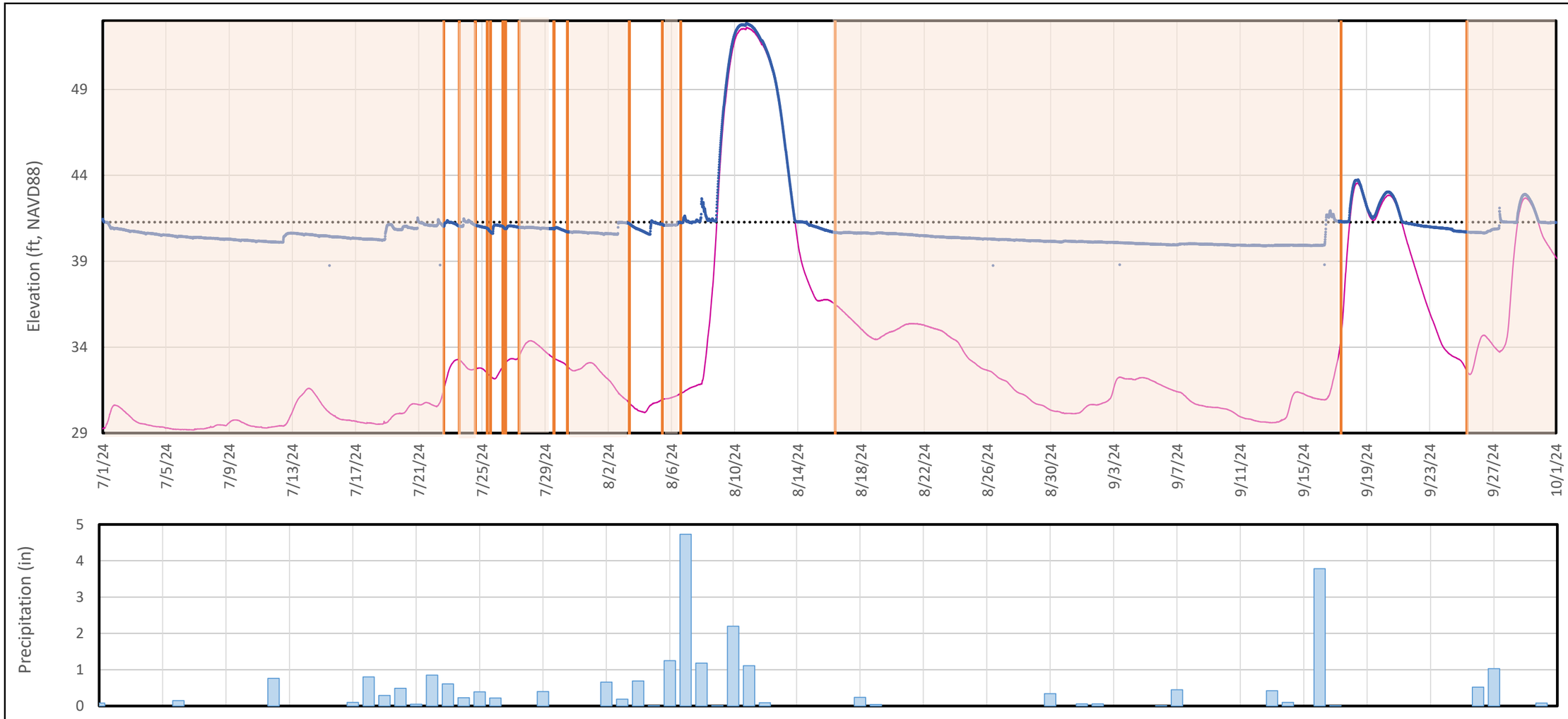
Figure B3-C



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-C compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation and External Forcings - Seep C

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Fayetteville, North Carolina

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NC License No.: C 3500 and C 295

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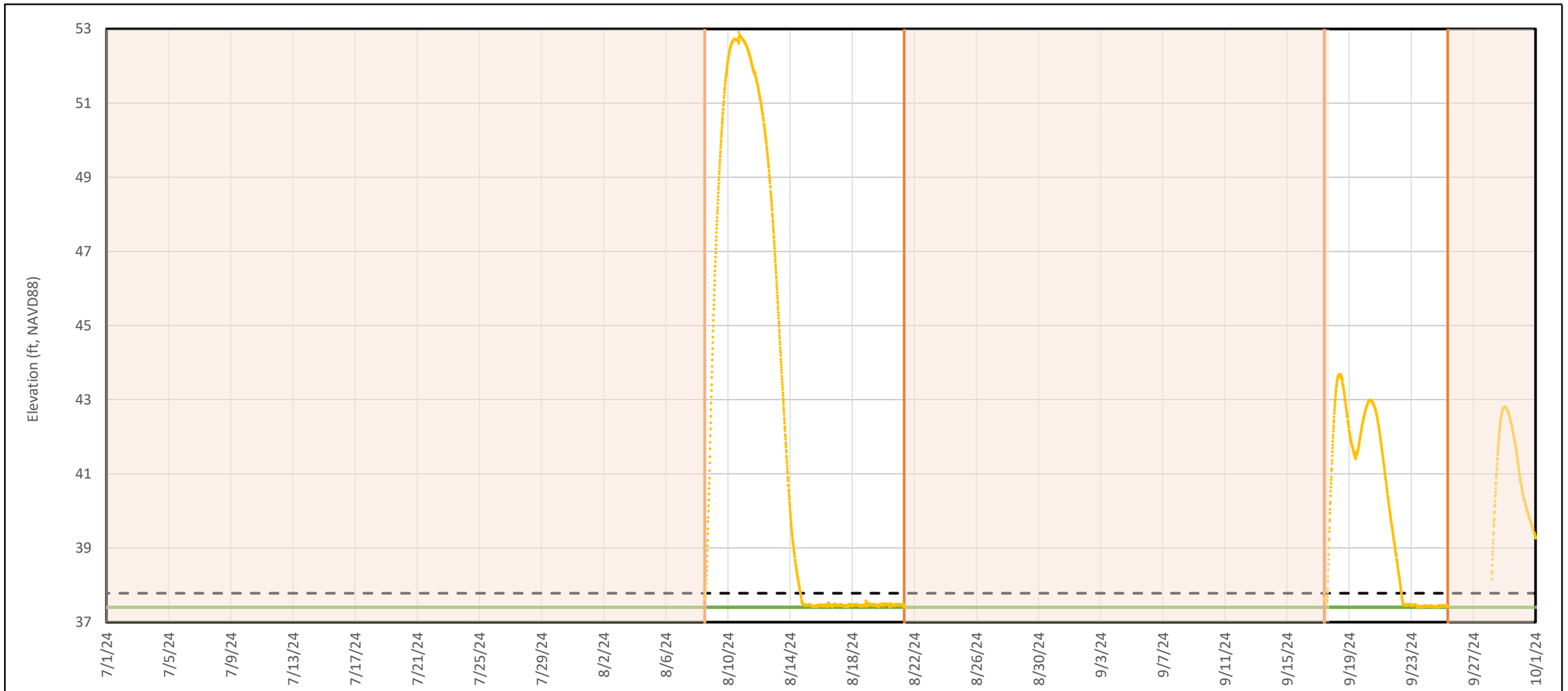
Figure B4-C



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC Off, no flow

Notes:

GAC - granular activated carbon

Figure B1-D shows the discharge basin transducer data that was collected during the reporting period.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep D

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Fayetteville, North Carolina

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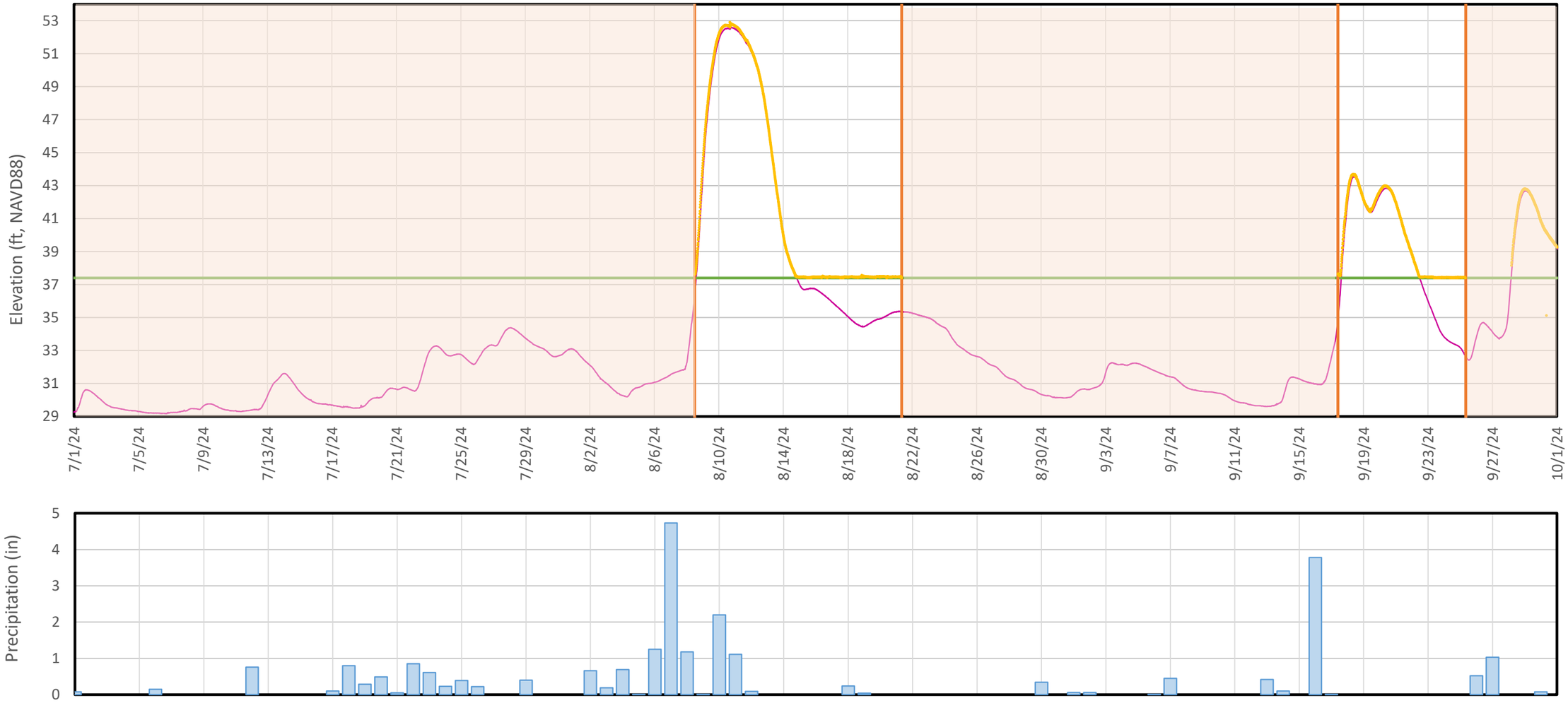
Figure B1-D



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-D compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation and External Forcings - Seep D

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Fayetteville, North Carolina

Geosyntec consultants

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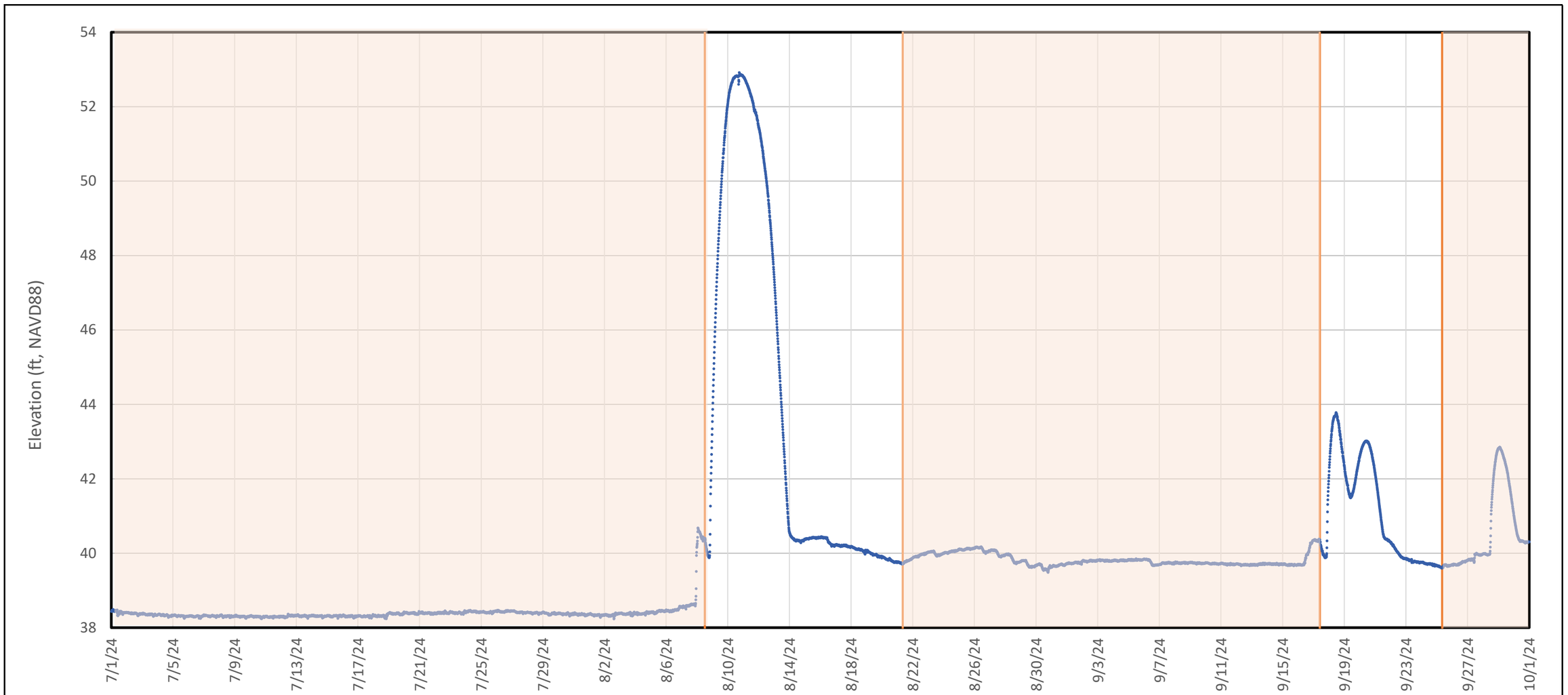
NC License No.: C 3500 and C 295

Raleigh, NC | December 2024

Figure B2-D



Legend

- Influent Chamber/Impoundment Elevation
- FTC Off, no flow

Notes:

Figure B3-D shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep D

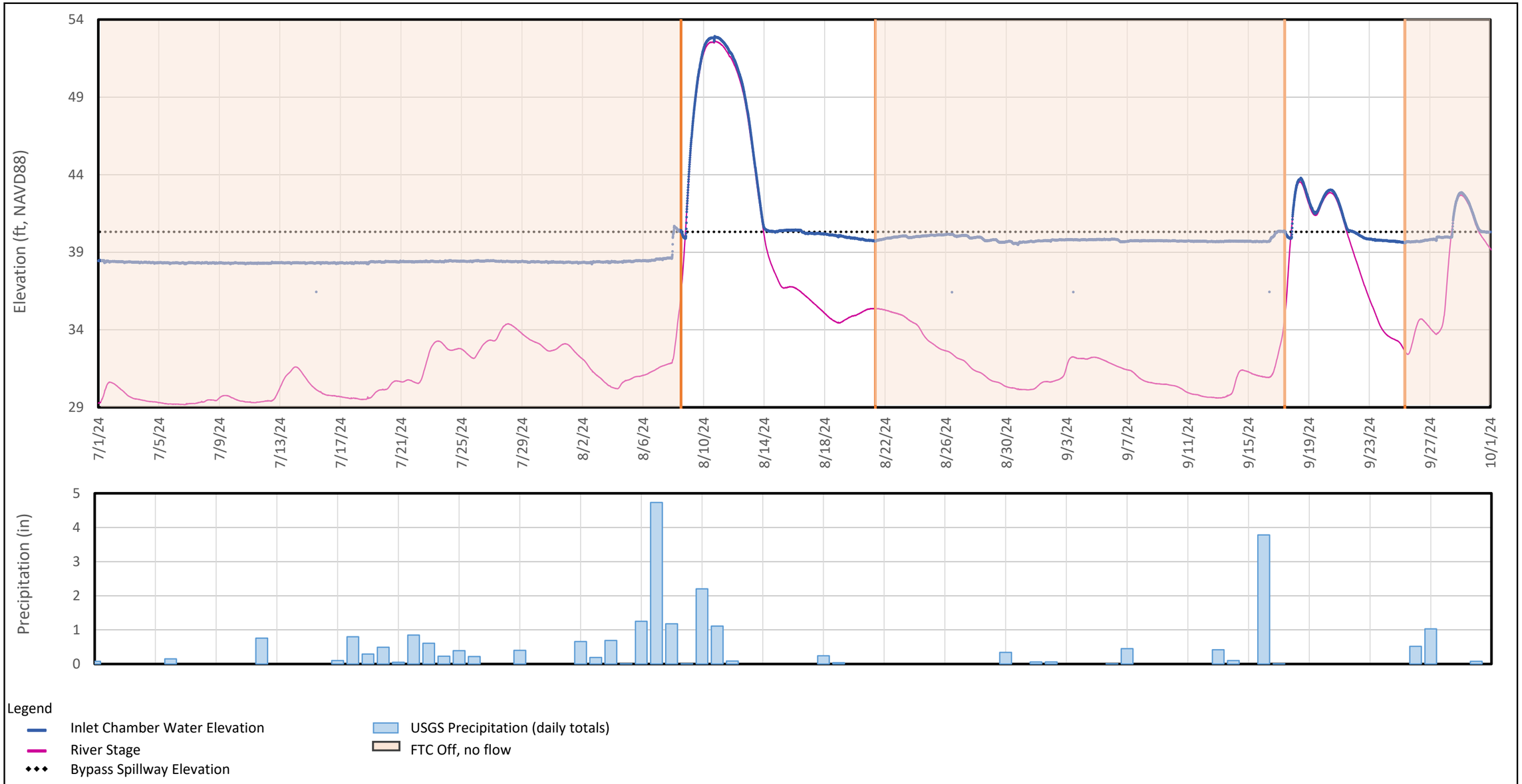
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh, NC | December 2024

Figure B3-D



Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-D compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation and External Forcings - Seep D

Chemours Fayetteville Works

Fayetteville, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

Raleigh, NC | December 2024

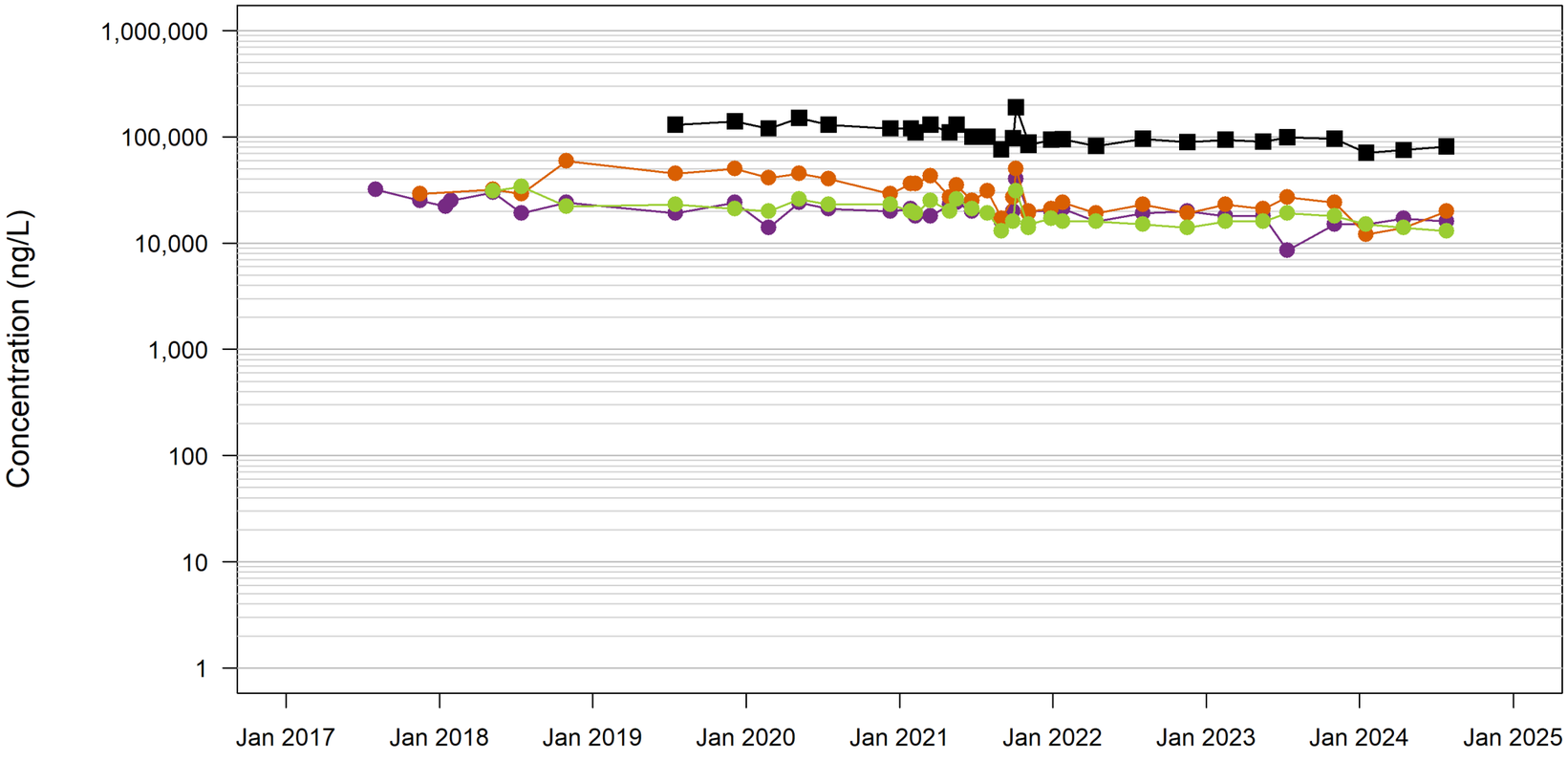
Figure B4-D

Geosyntec consultants

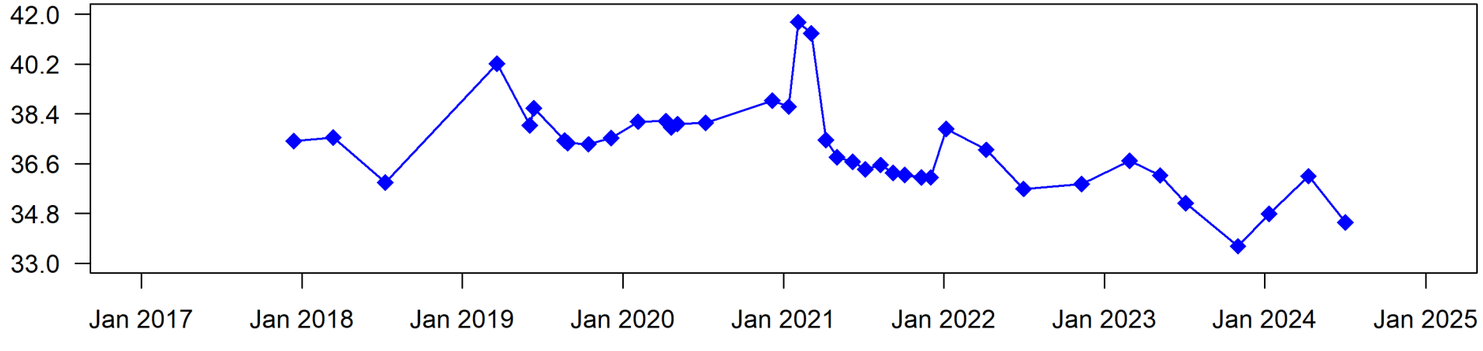
Geosyntec Consultants of NC, P.C.
NC License No.: C-3500 and C-295

Appendix C
Time Trends in Downgradient Monitoring Wells

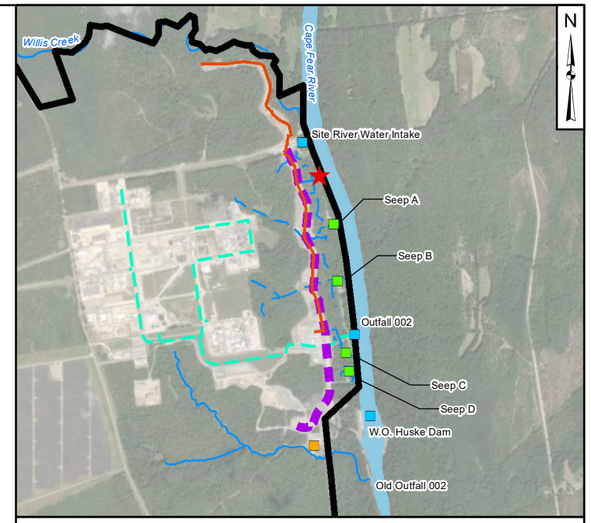
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-01 (Floodplain Deposits)

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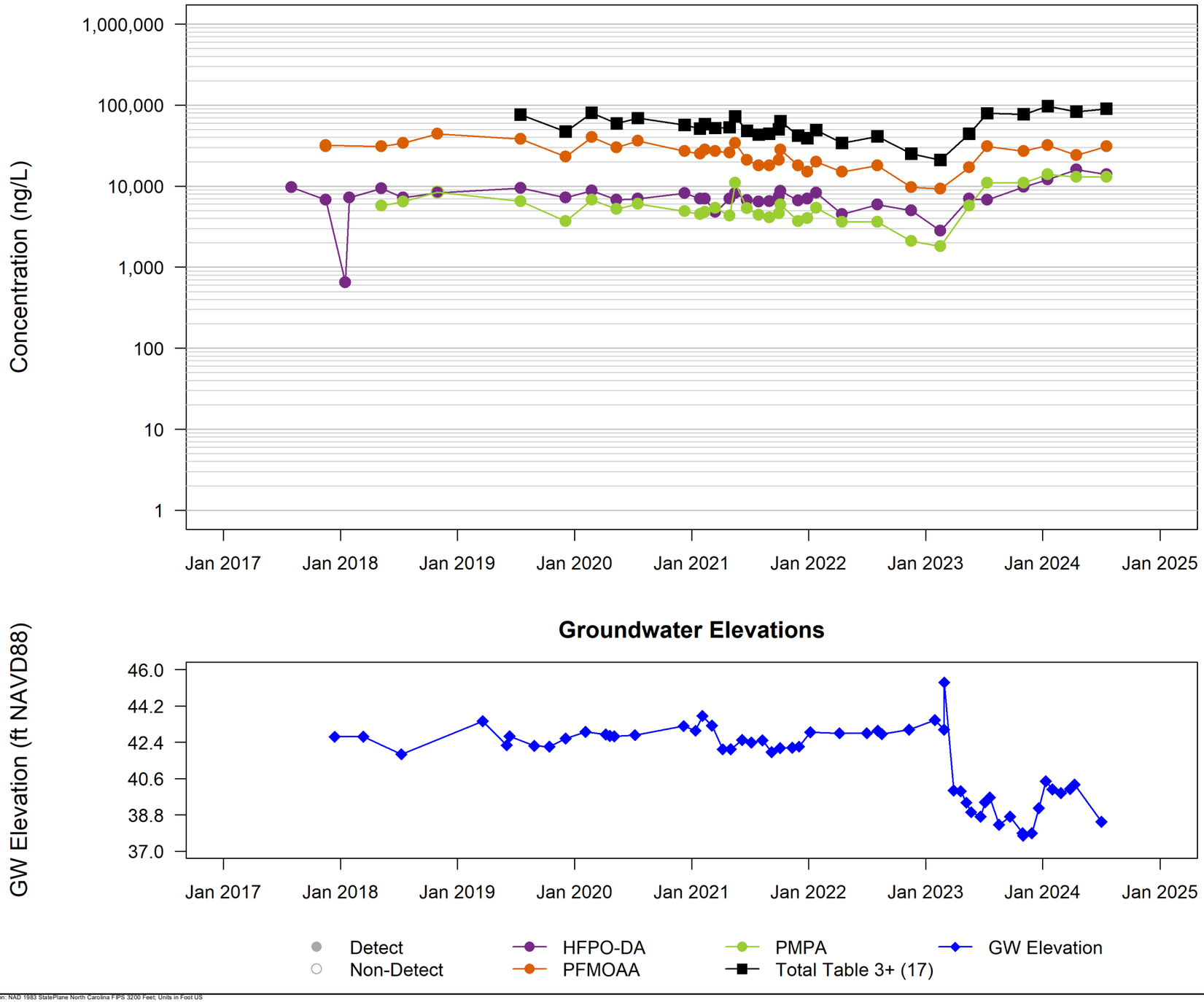
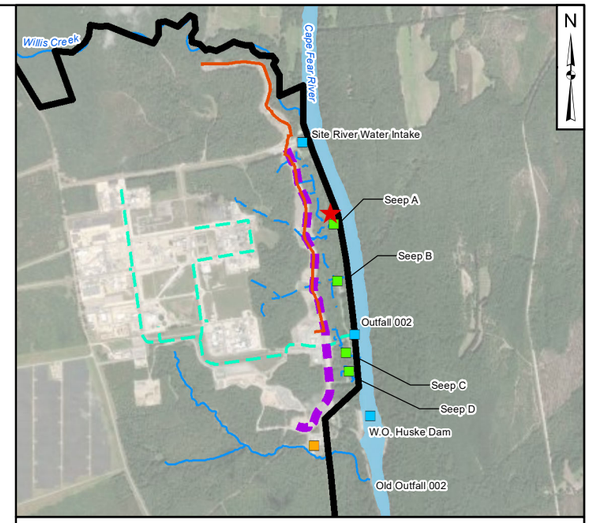
Figure **C.1**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-02 (Black Creek Aquifer)

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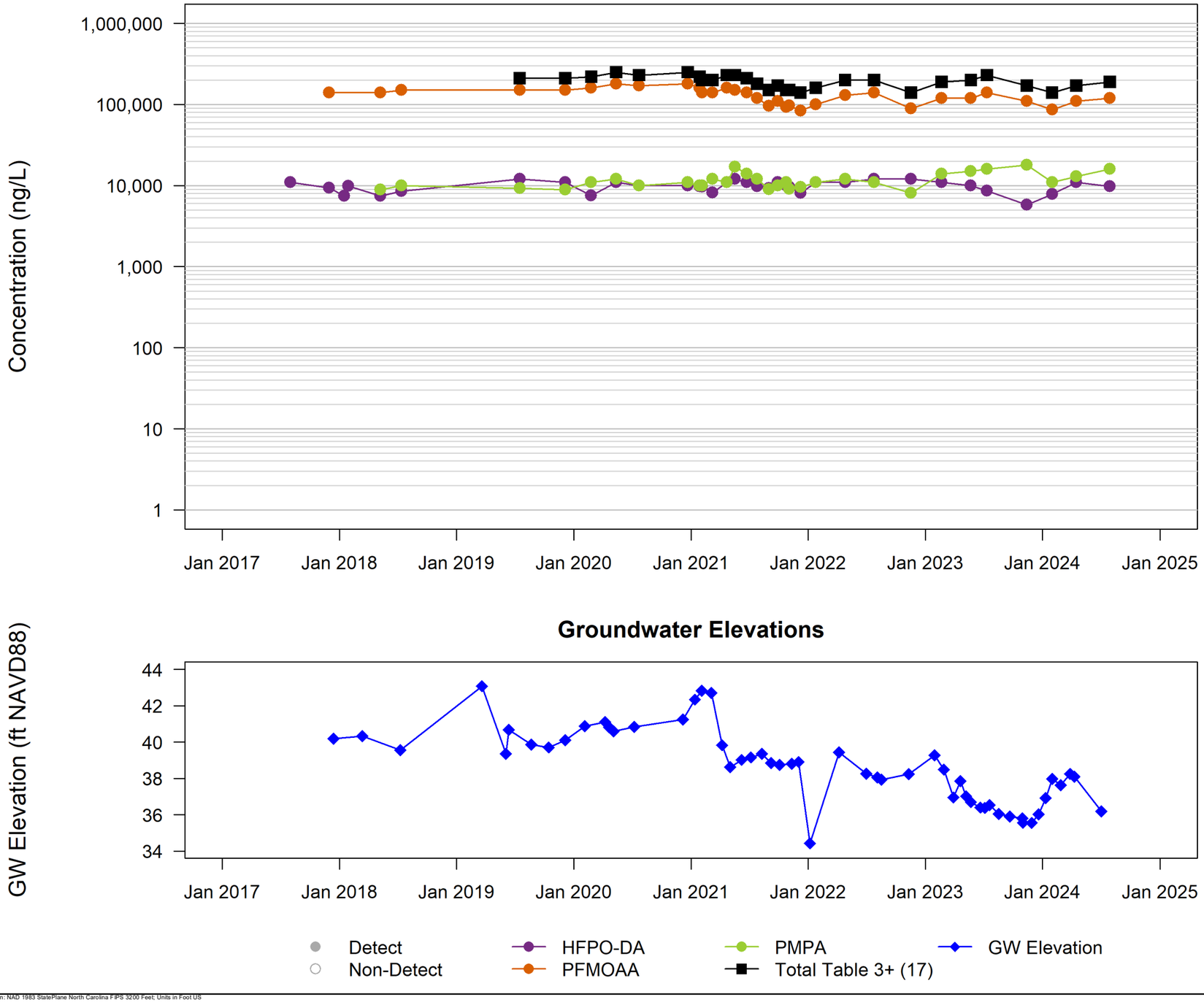
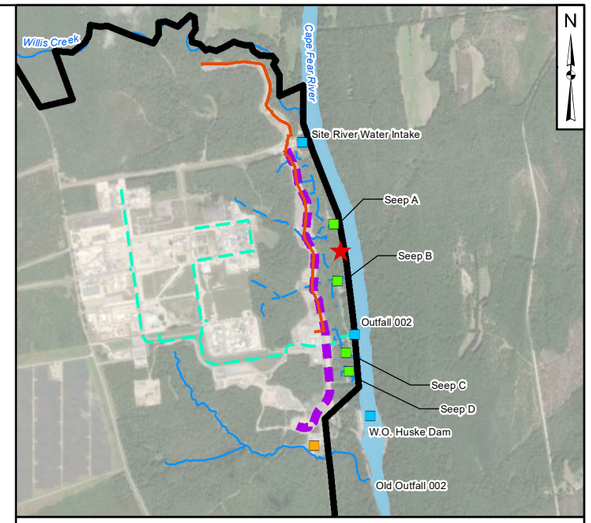
Figure **C.2**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd, Tp, 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-03 (Floodplain Deposits)

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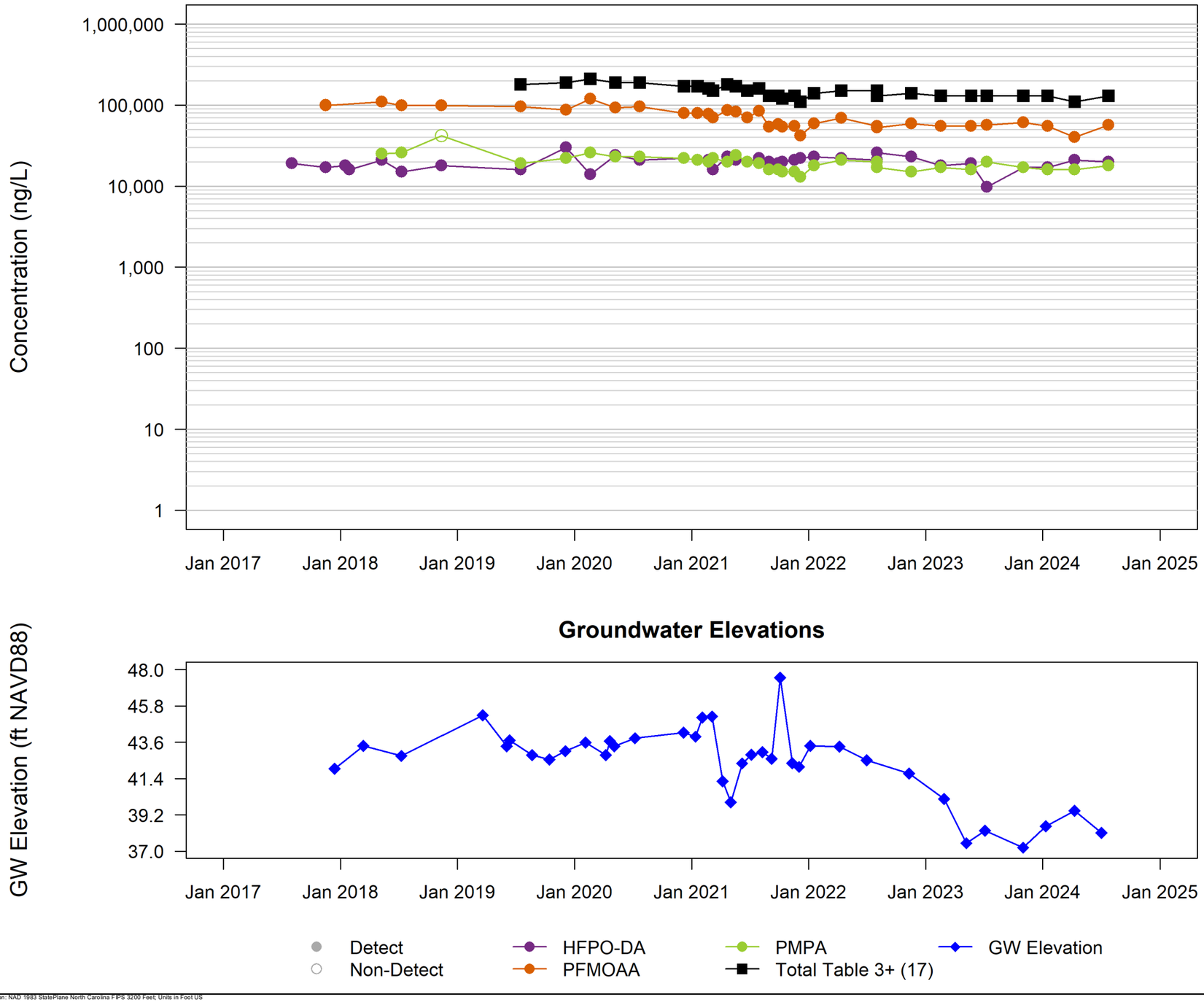
Figure **C.3**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

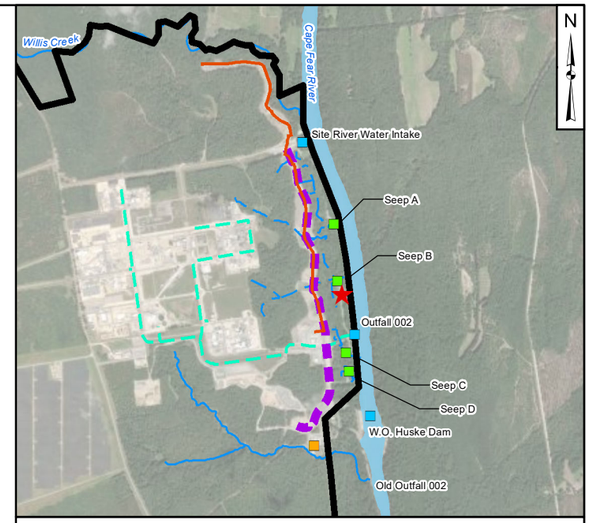
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-04 (Floodplain Deposits)

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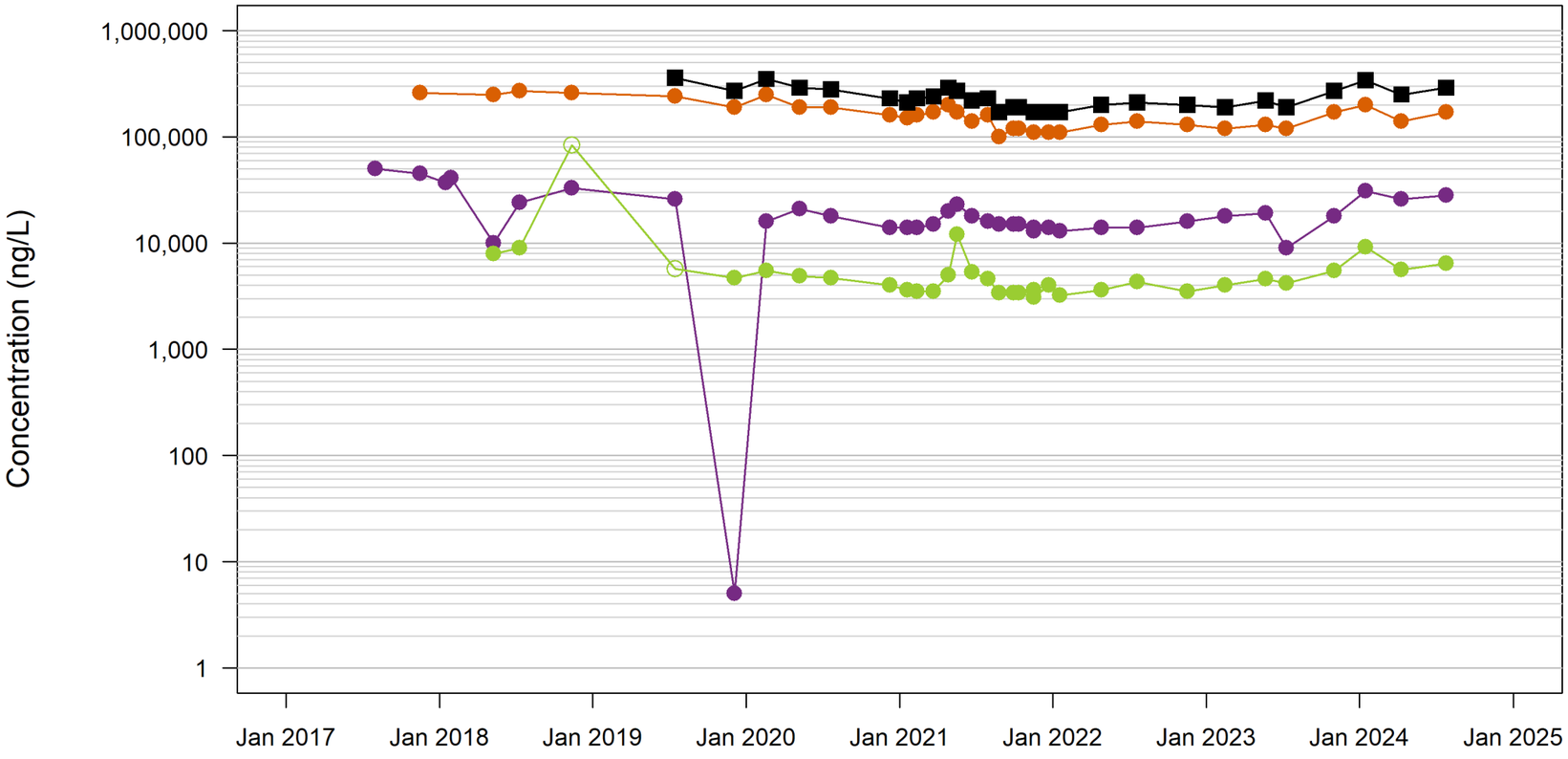
Figure **C.4**

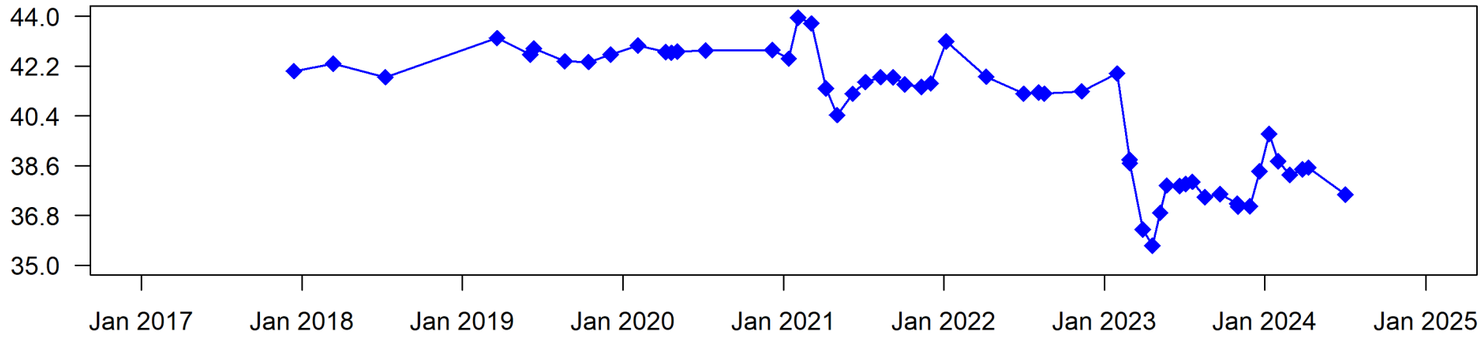
Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd, To, 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

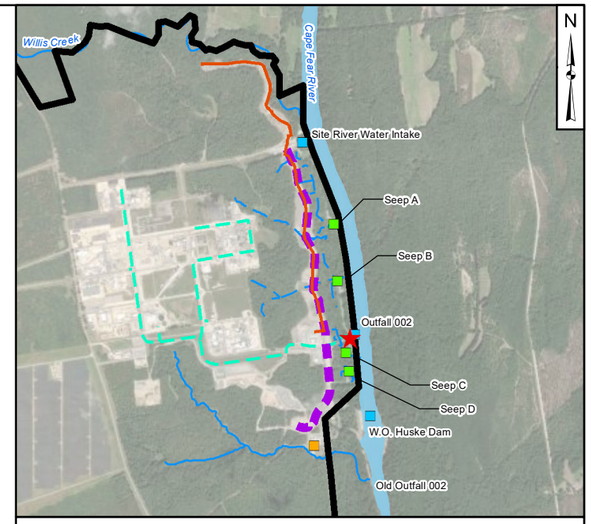
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-05 (Black Creek Aquifer)

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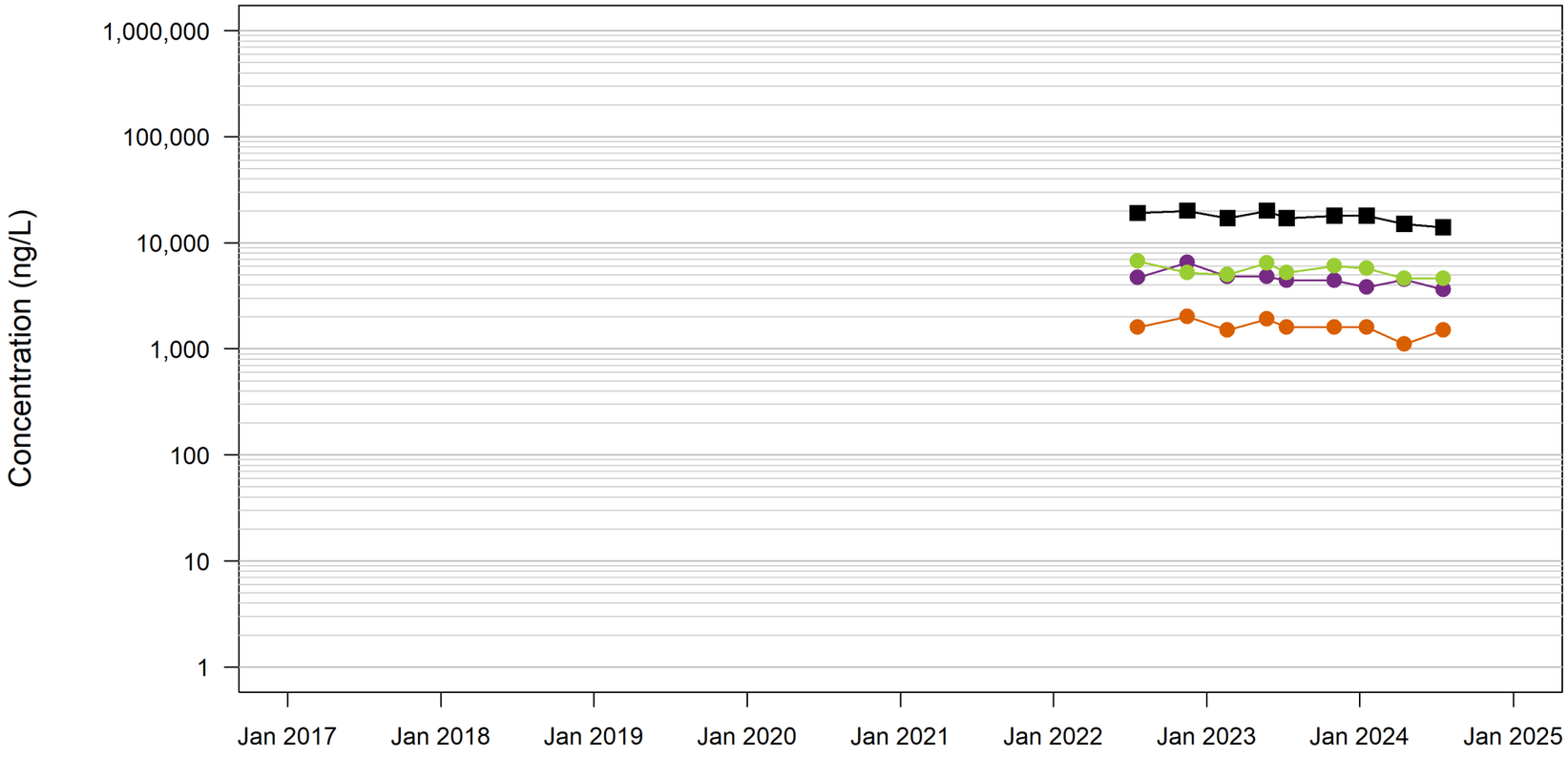
Figure **C.5**

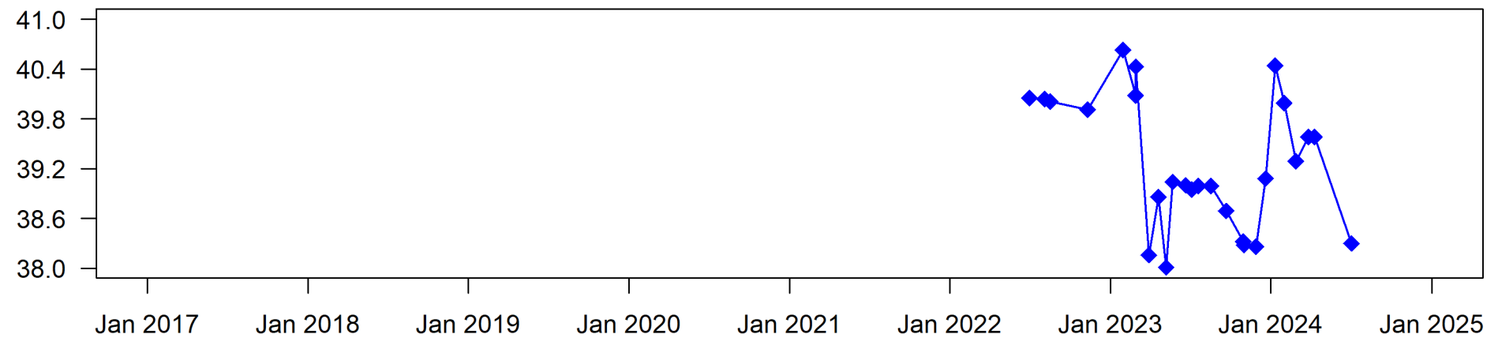
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

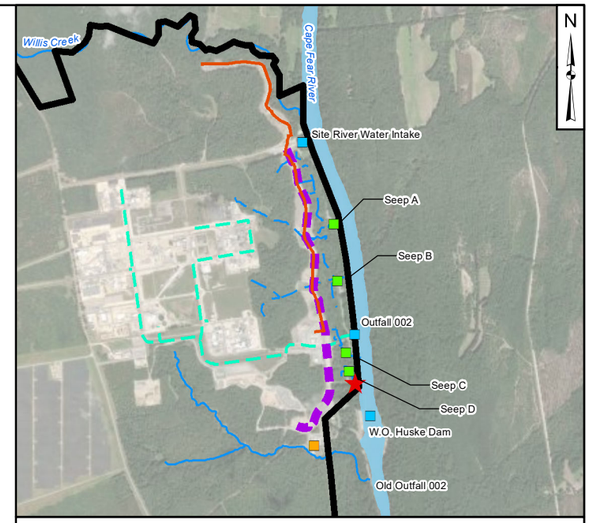
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-28 (Black Creek Aquifer)

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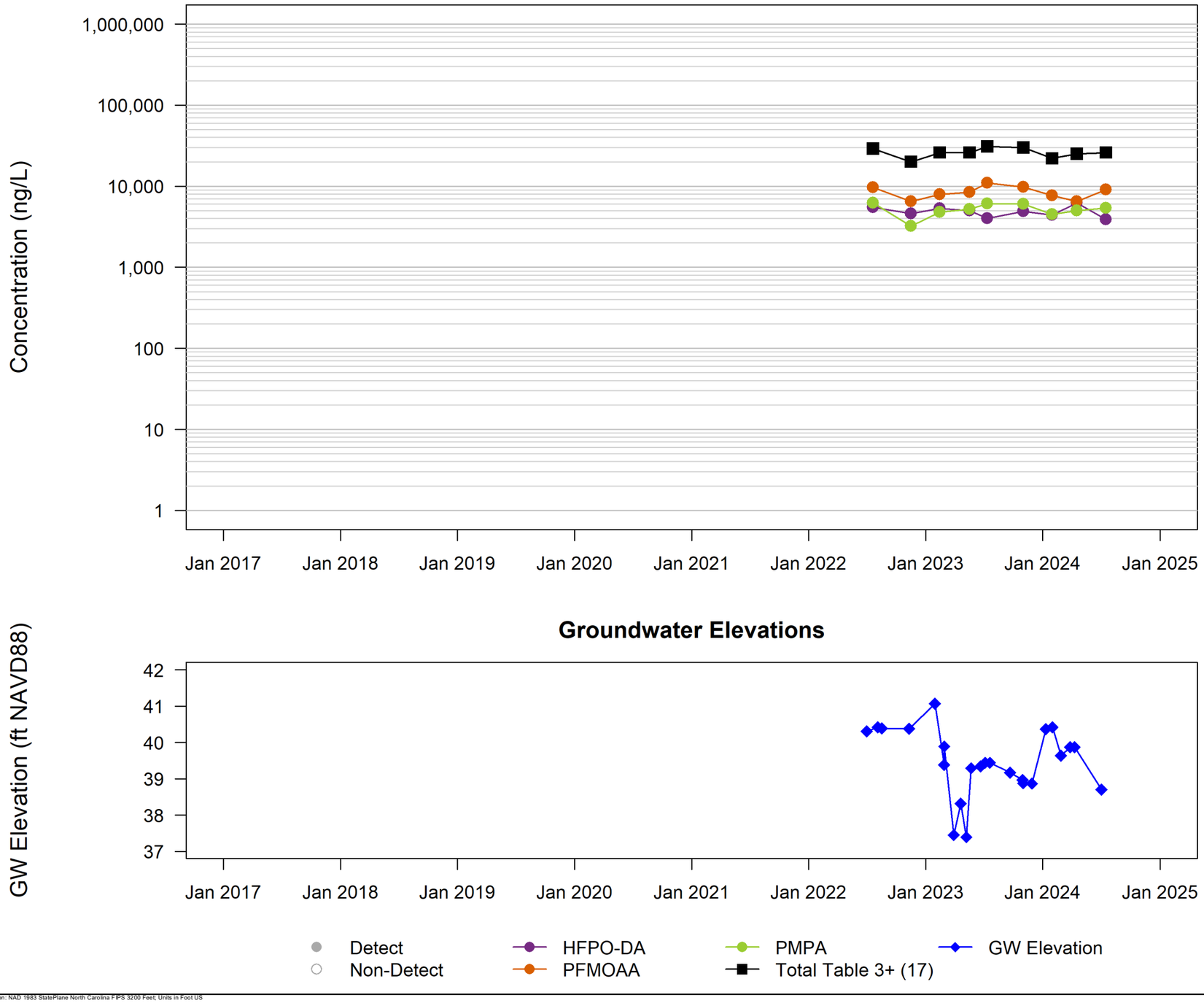
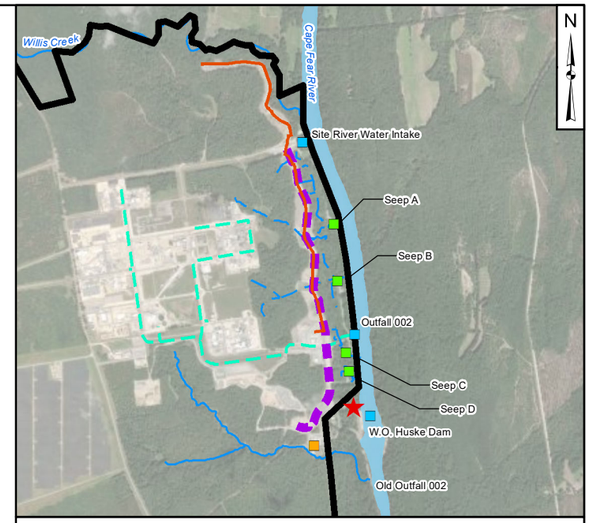
Figure **C.6**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-33 (Black Creek Aquifer)

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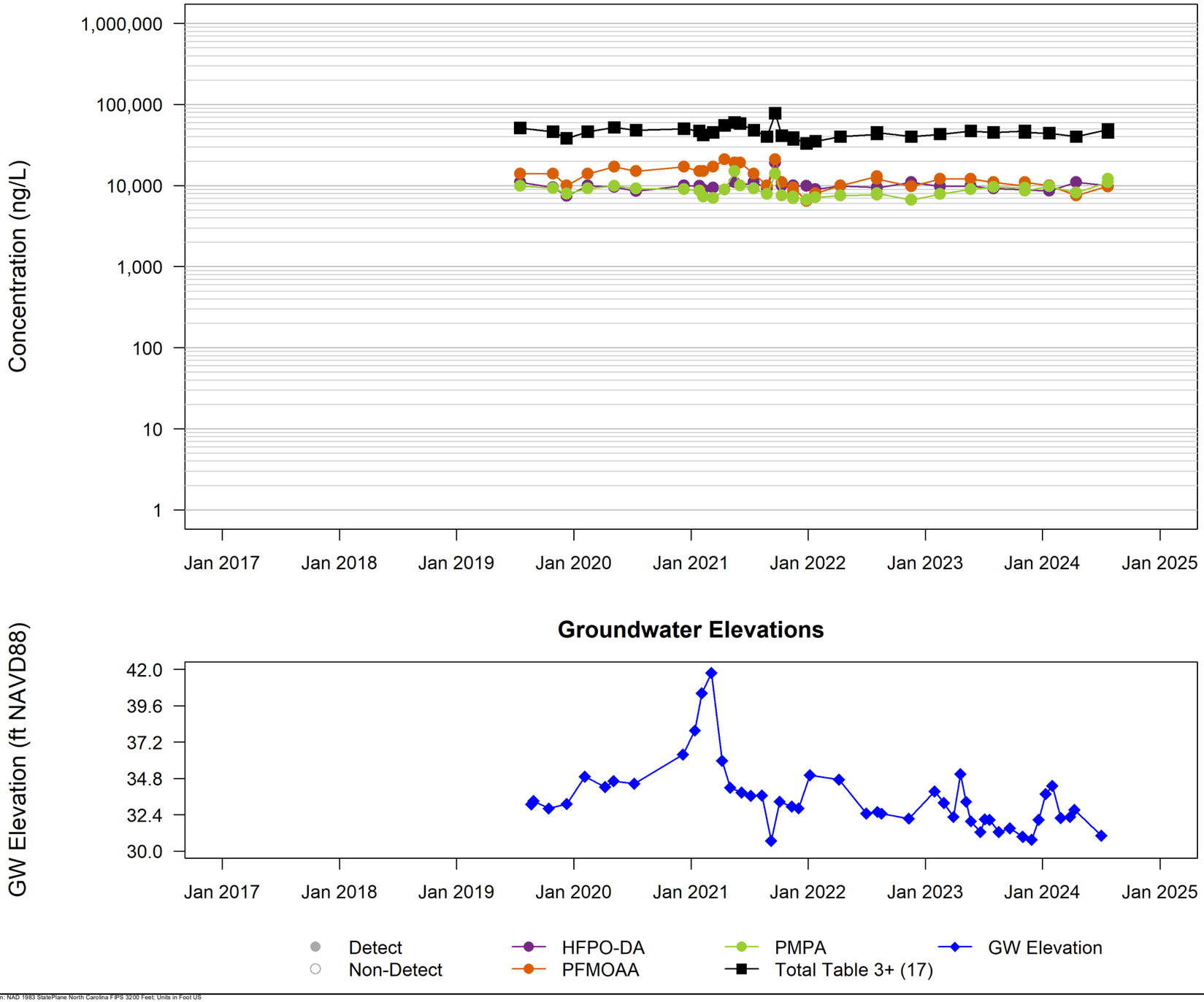
Figure **C.7**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

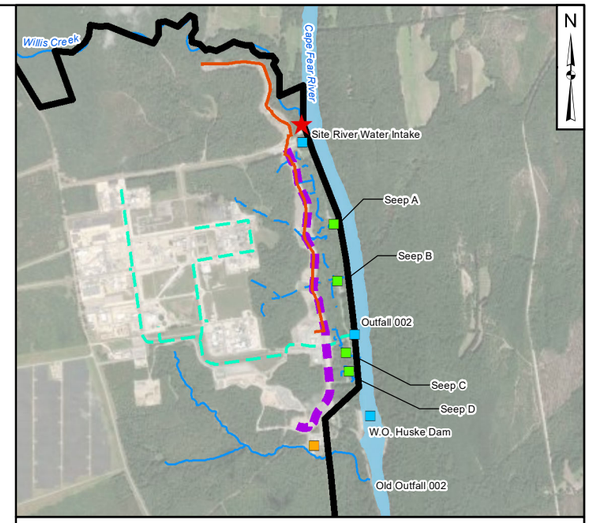
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-1D (Black Creek Aquifer)

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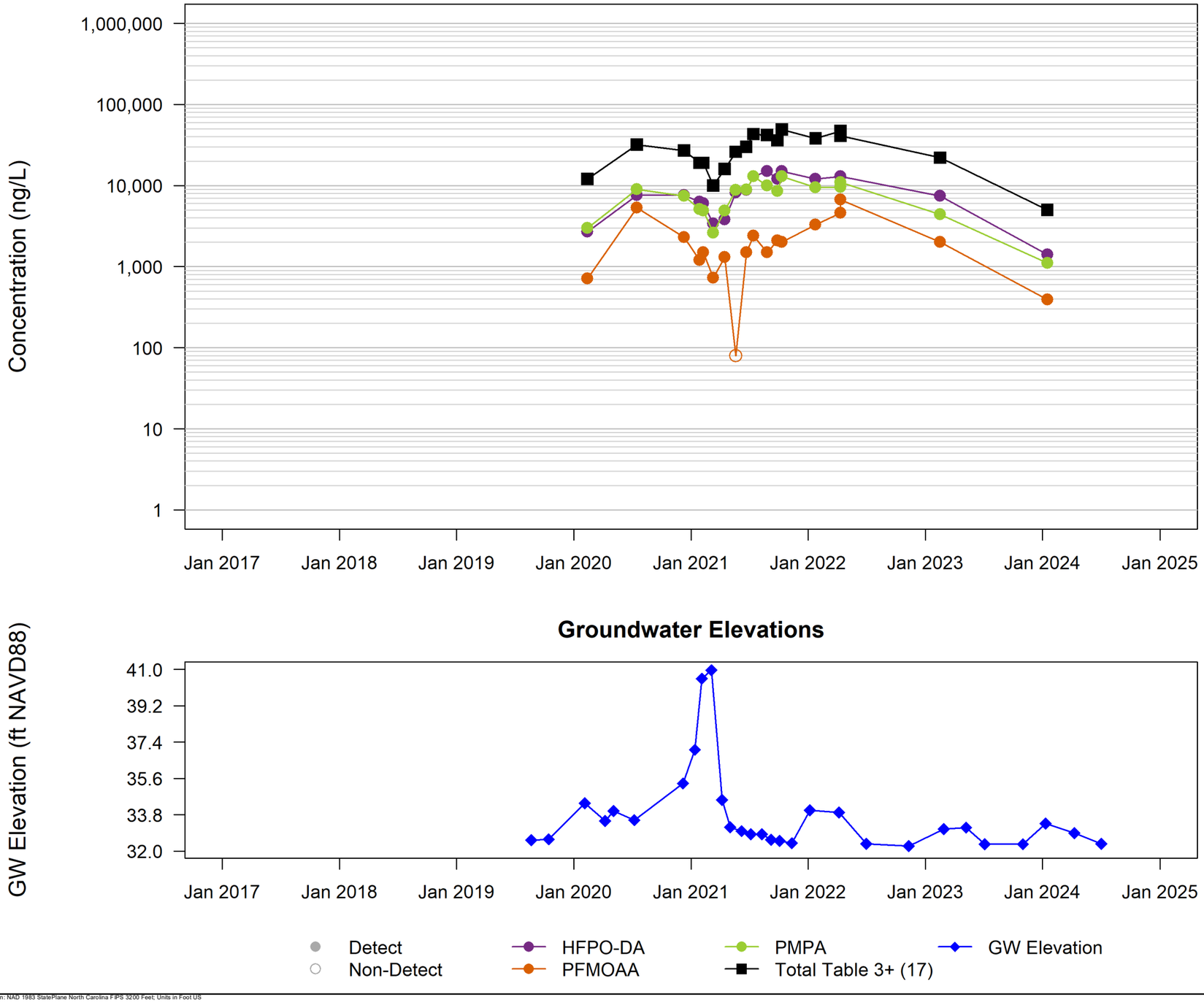
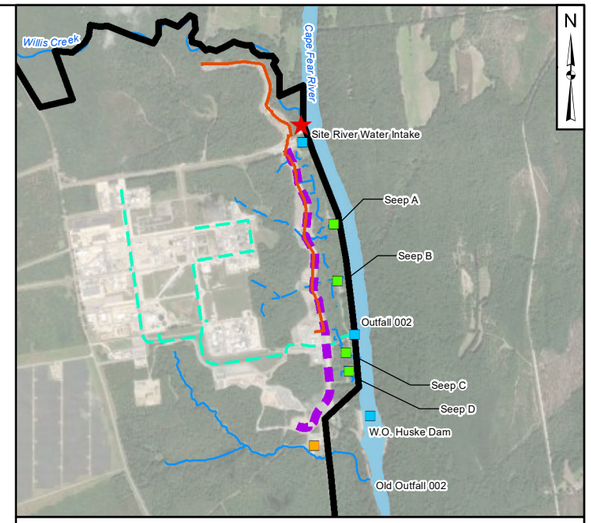
Figure **C.8**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-1S (Floodplain Deposits)

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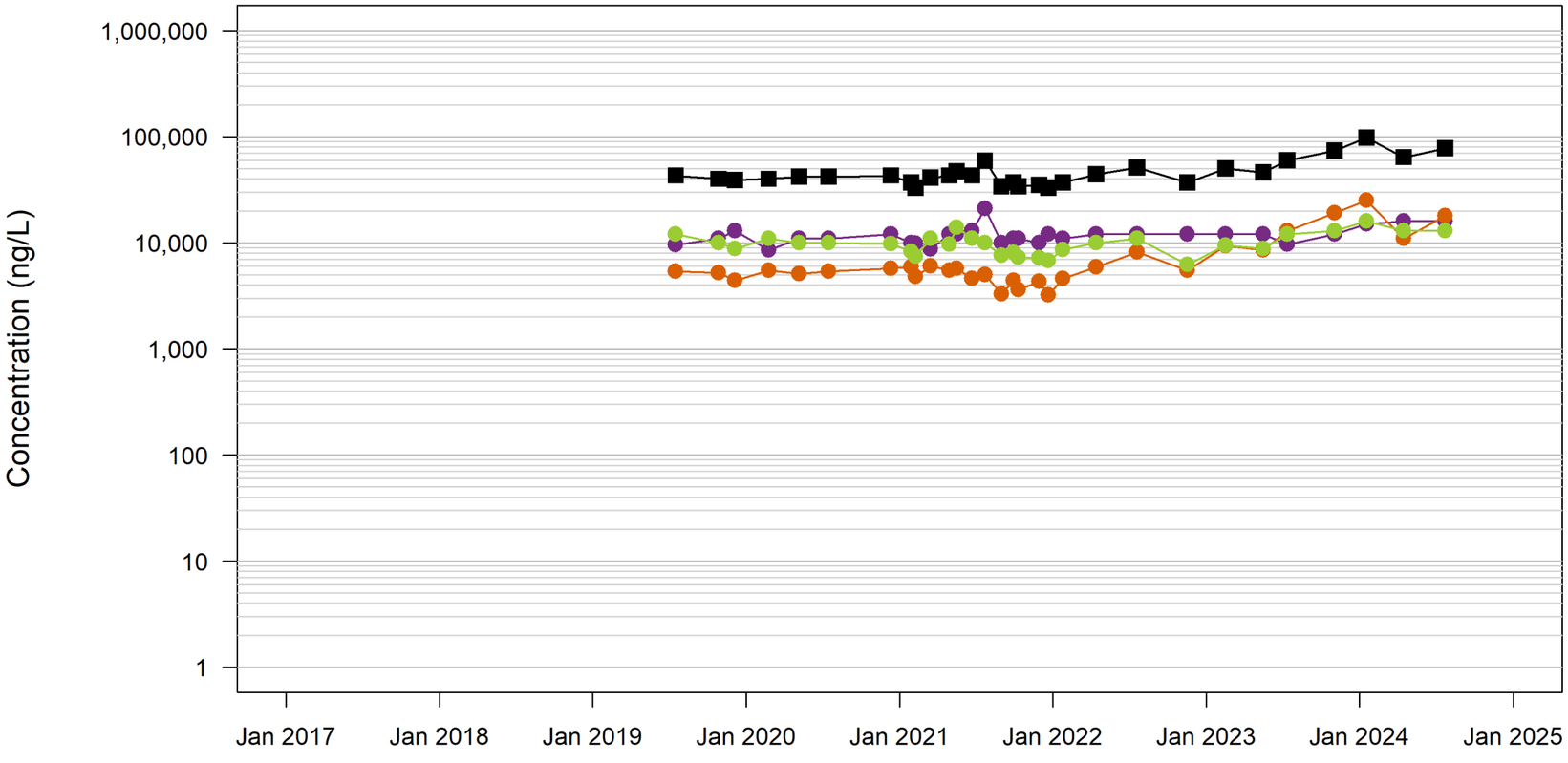
Figure **C.9**

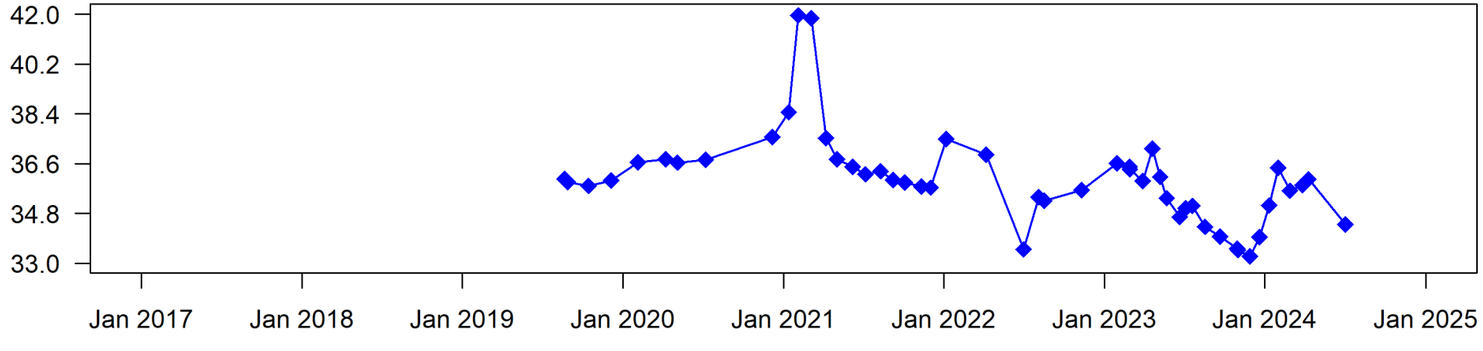
Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

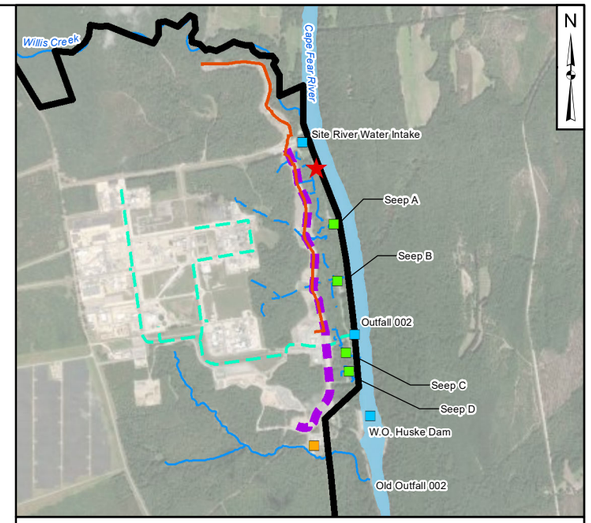
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-3D (Black Creek Aquifer)

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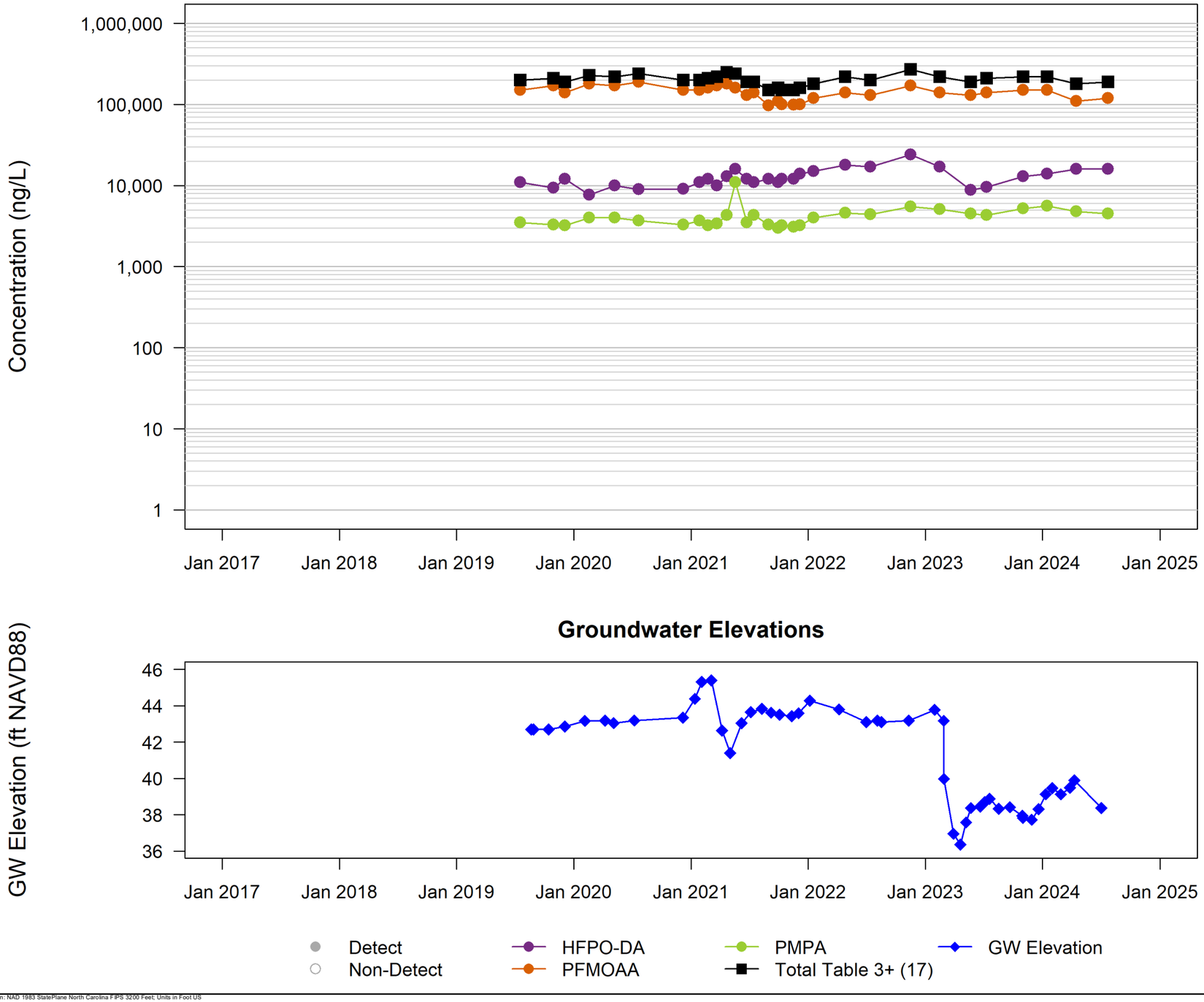
Figure **C.10**

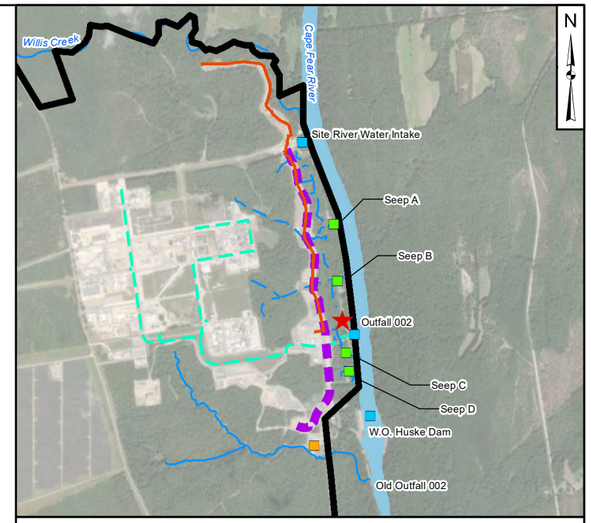
Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, To, 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-7D (Black Creek Aquifer)

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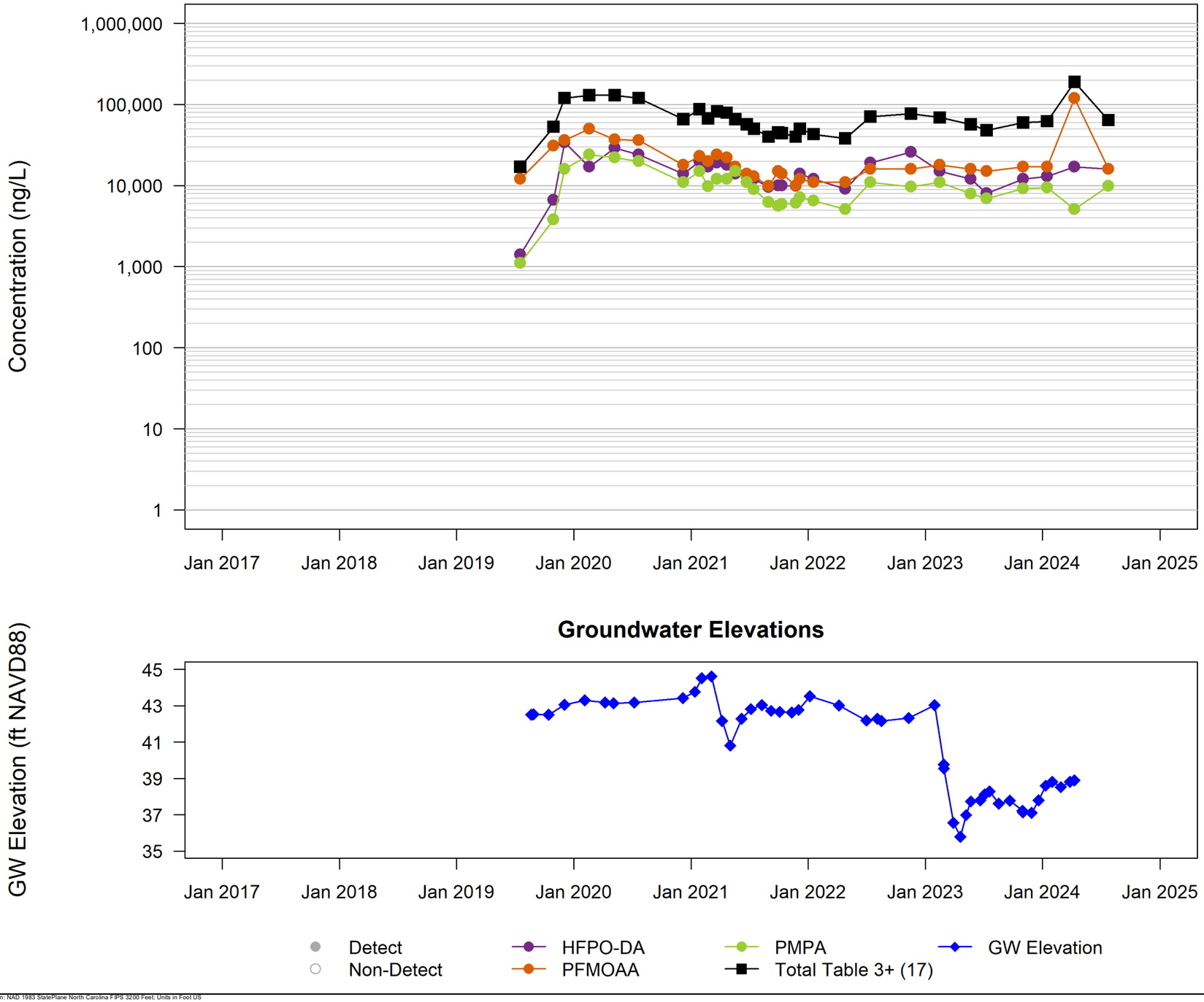
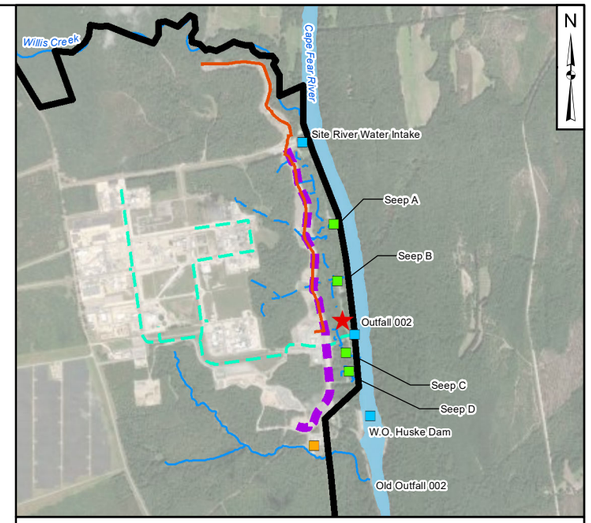
Figure **C.11**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-7S (Floodplain Deposits)

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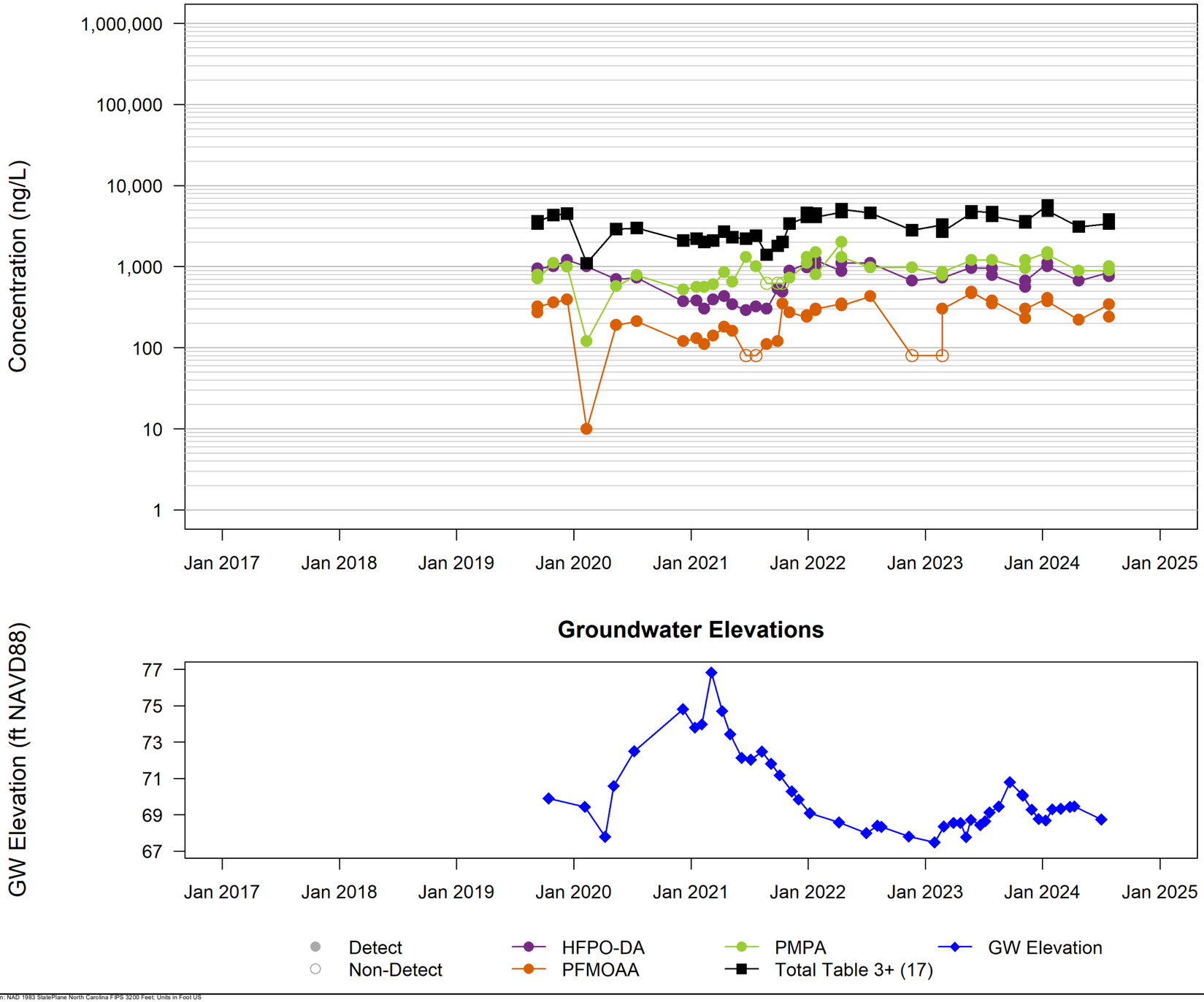
Figure **C.12**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

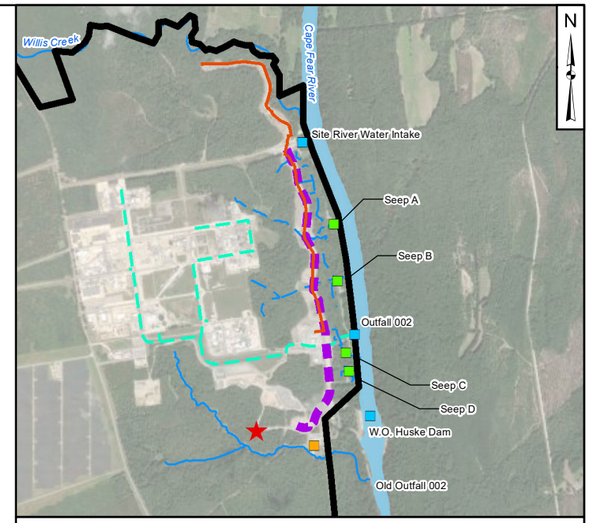
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PW-04 (Surficial Aquifer)

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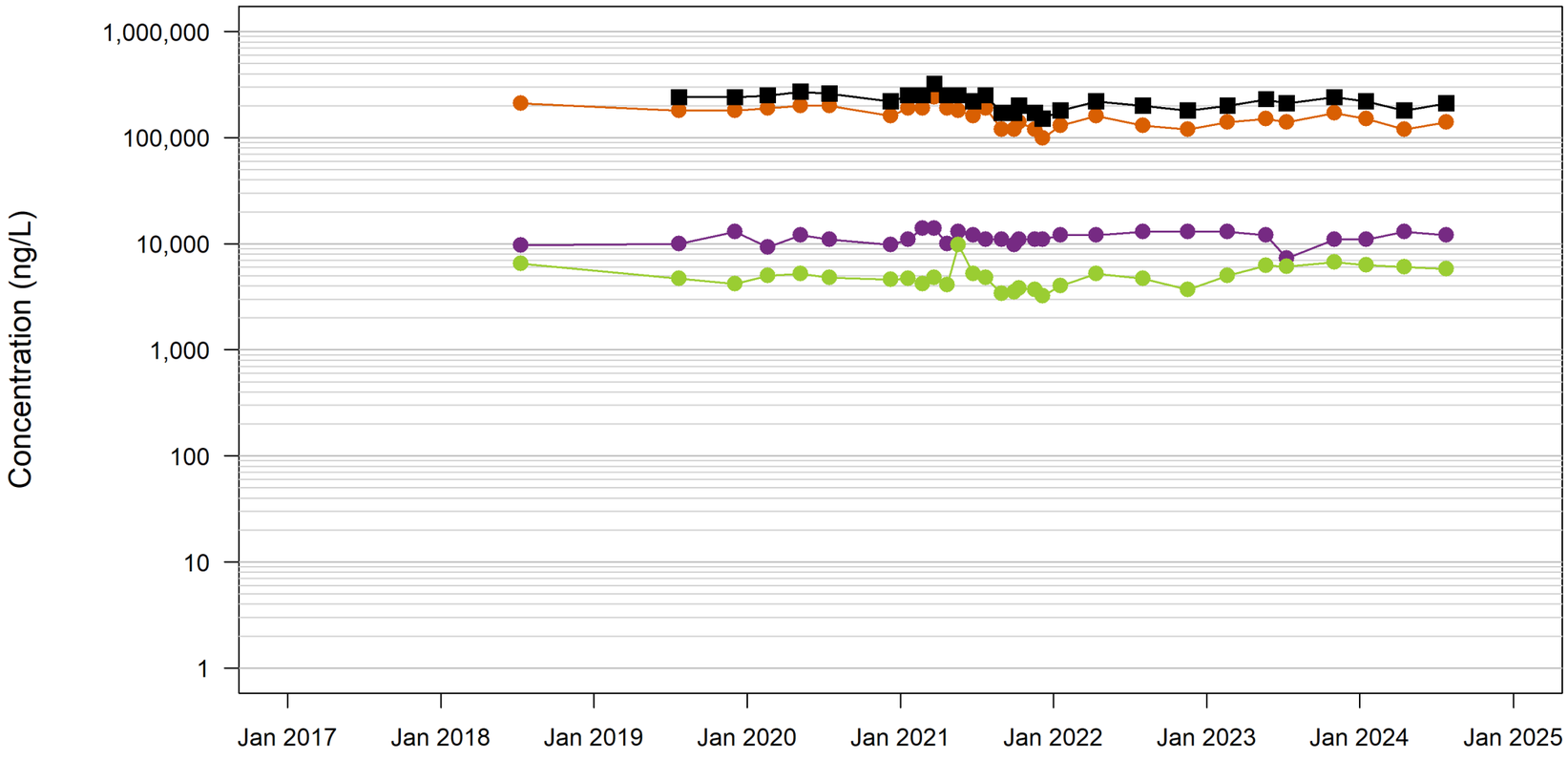
Figure **C.13**

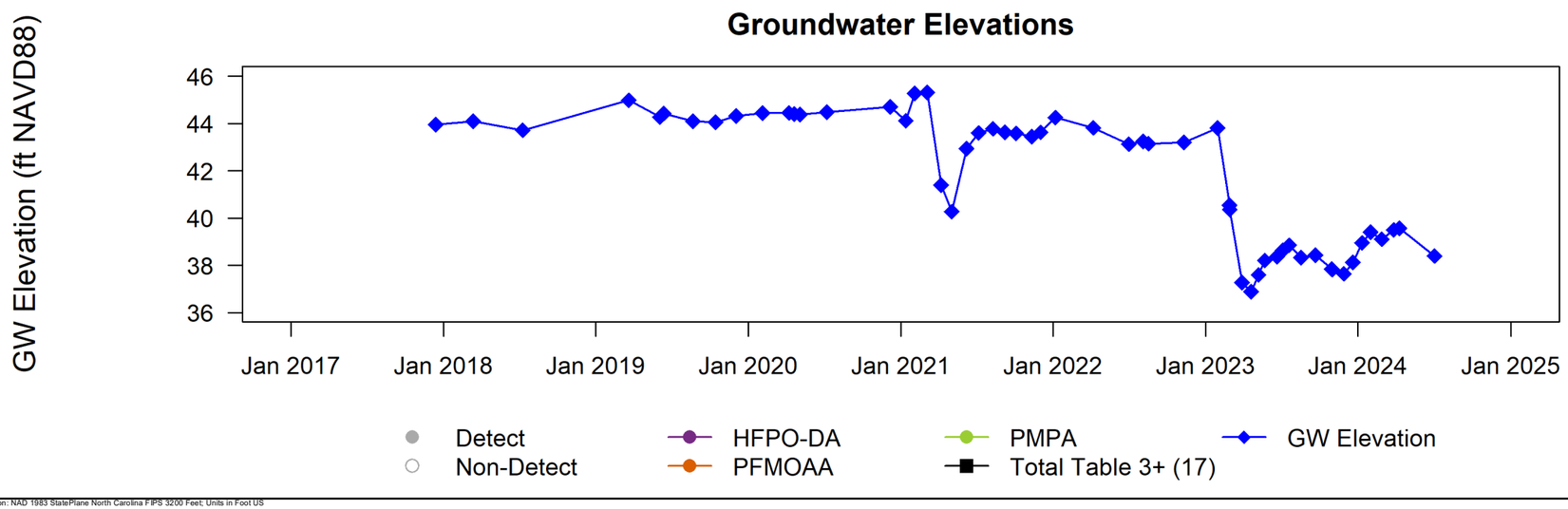
Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

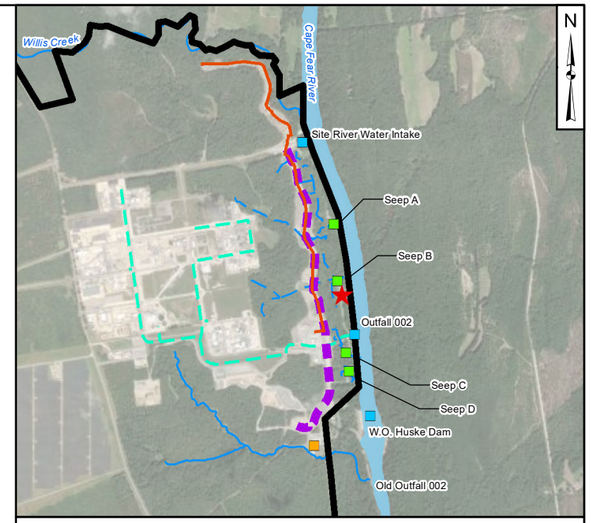
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PZ-22 (Black Creek Aquifer)

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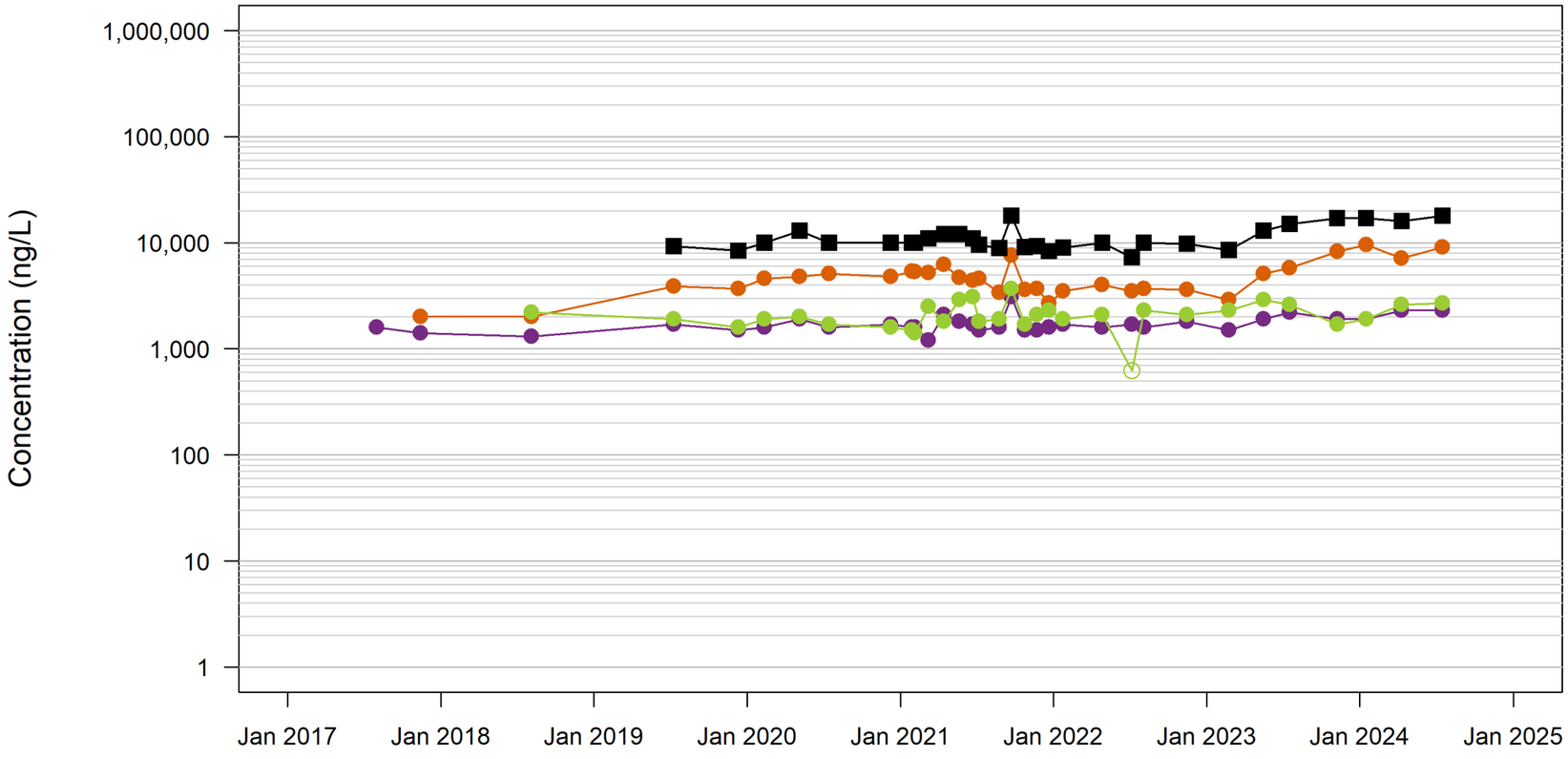
Figure **C.14**

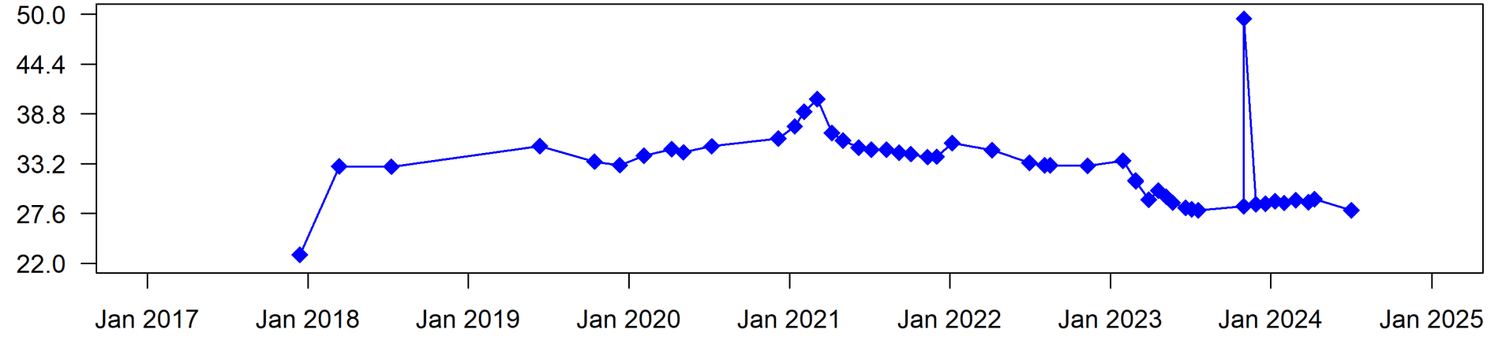
Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

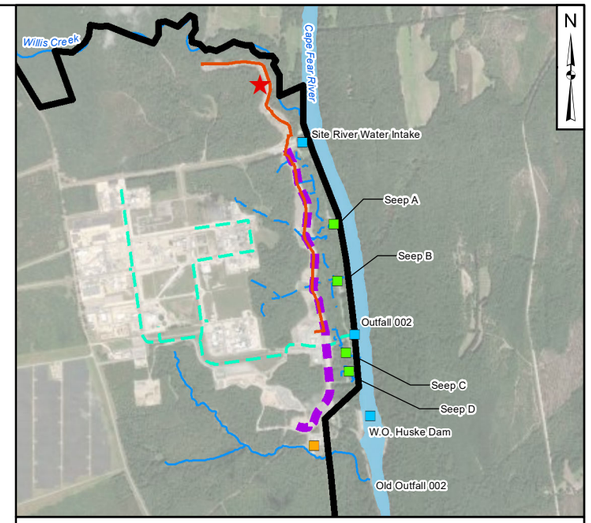
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at SMW-12 (Black Creek Aquifer)

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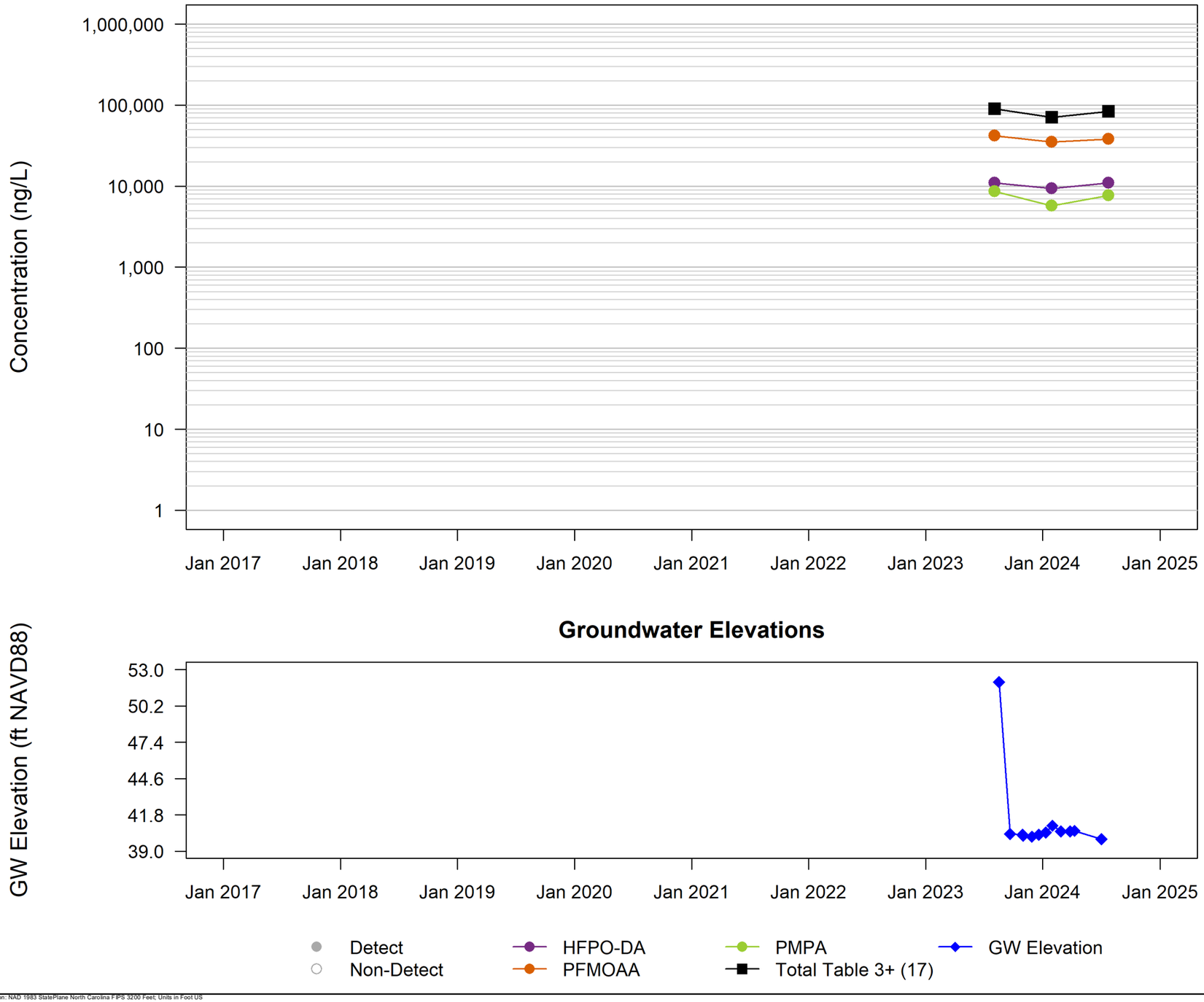
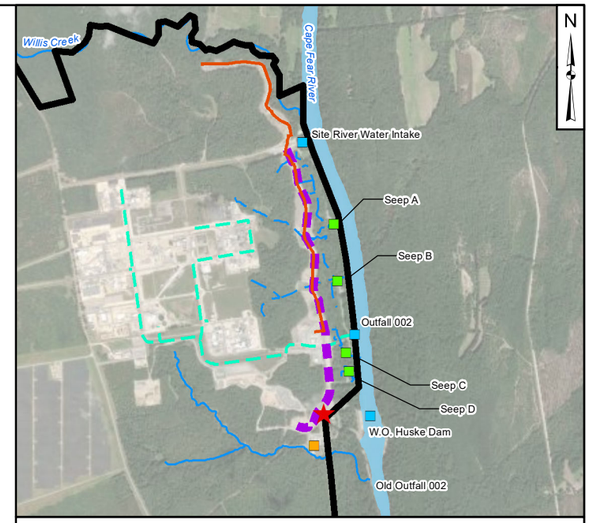
Figure **C.15**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd, To, 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-4R (Black Creek Aquifer)

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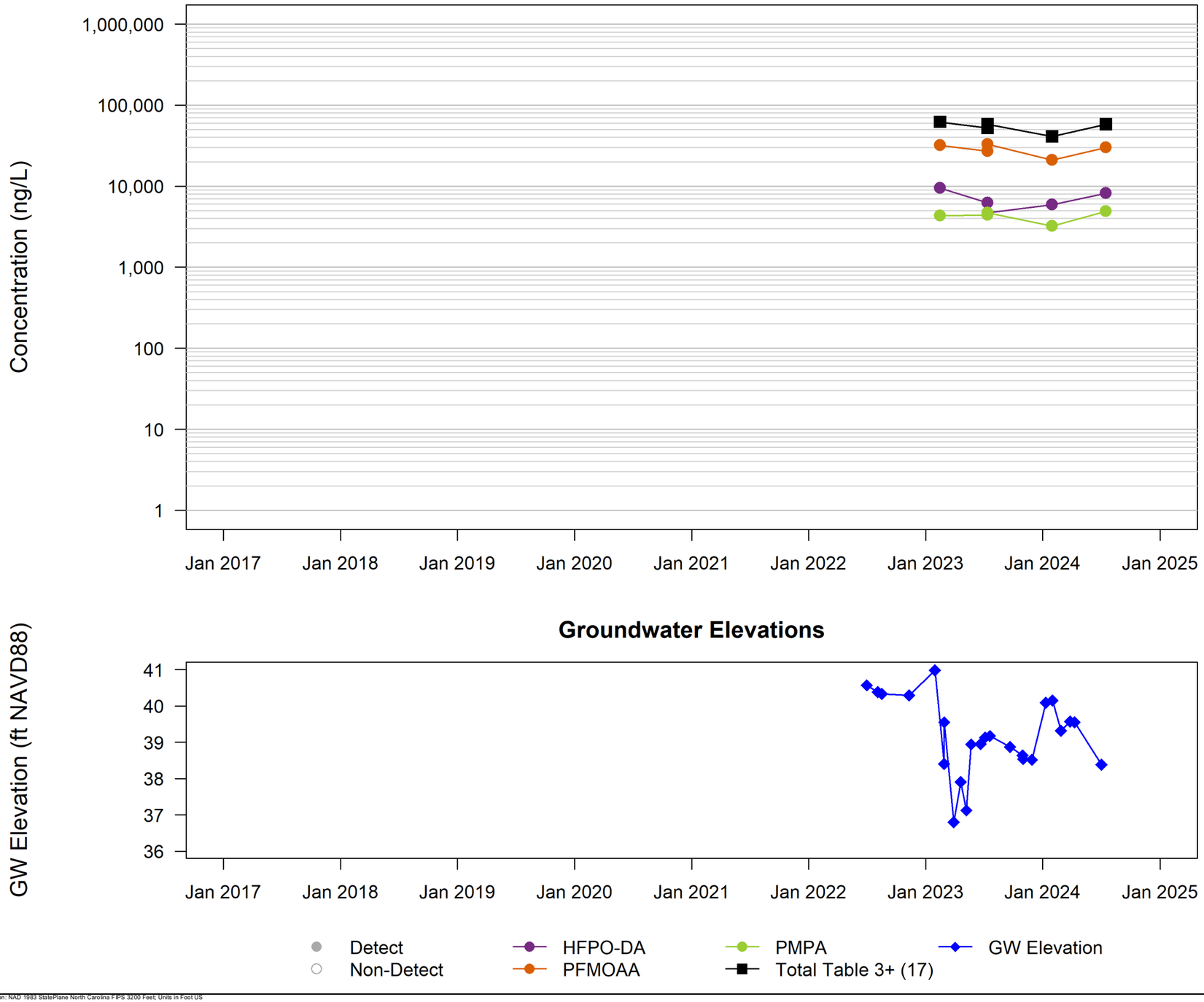
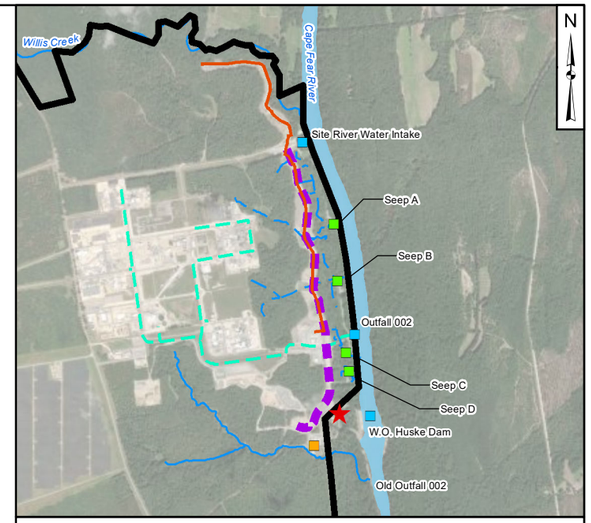
Figure **C.16**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-30 (Black Creek Aquifer)

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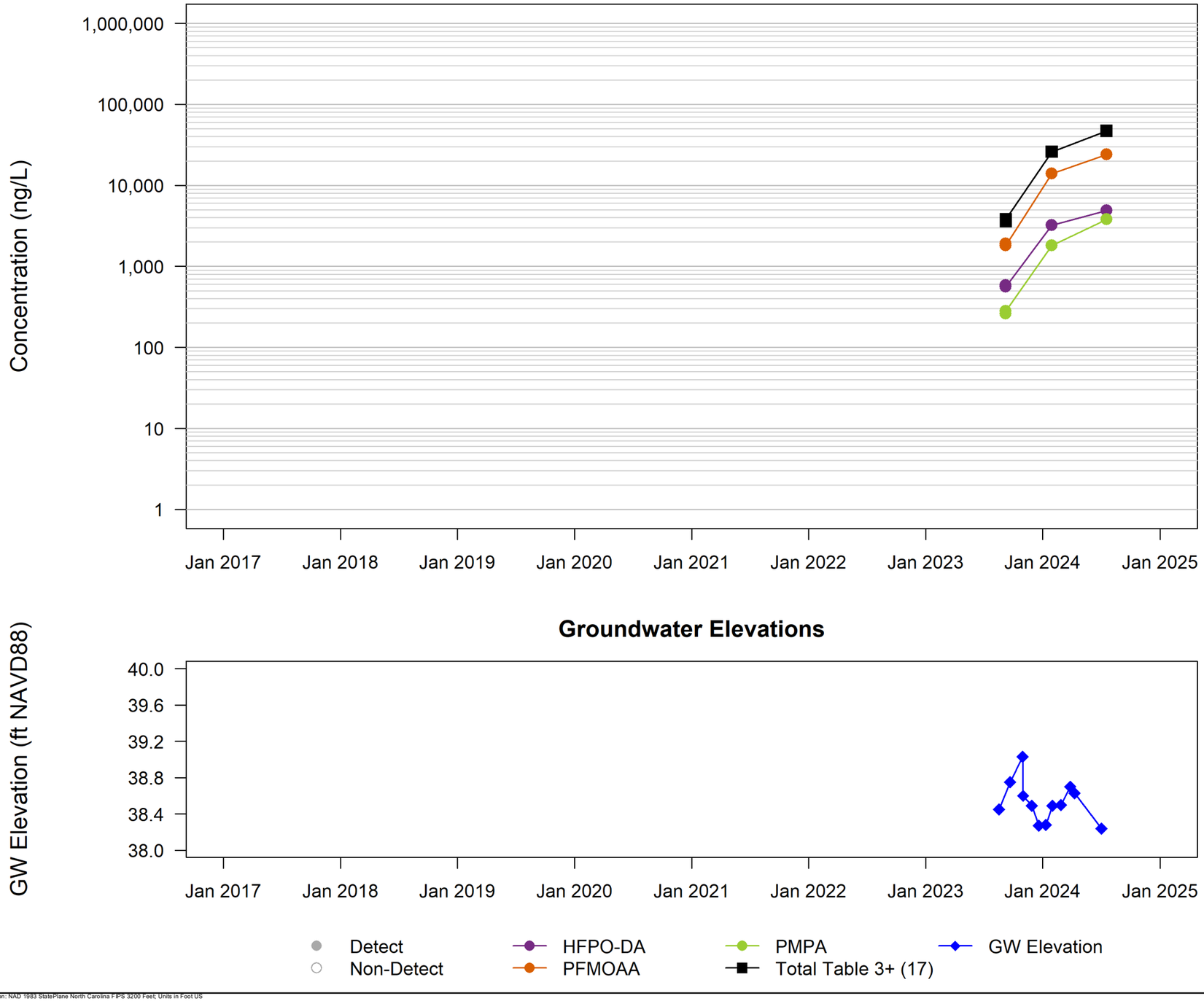
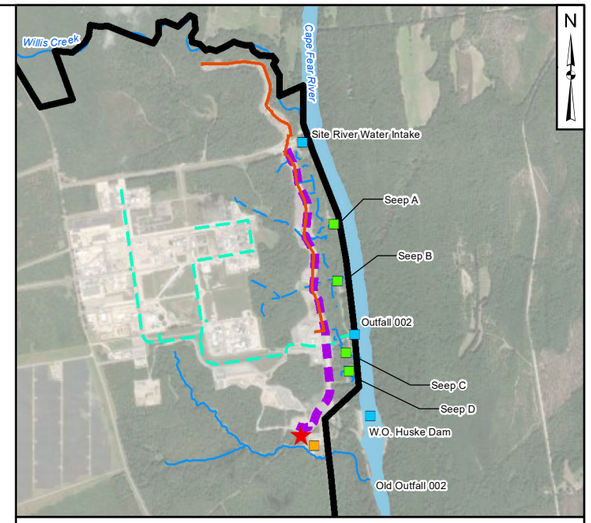
Figure **C.17**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-32 (Black Creek Aquifer)

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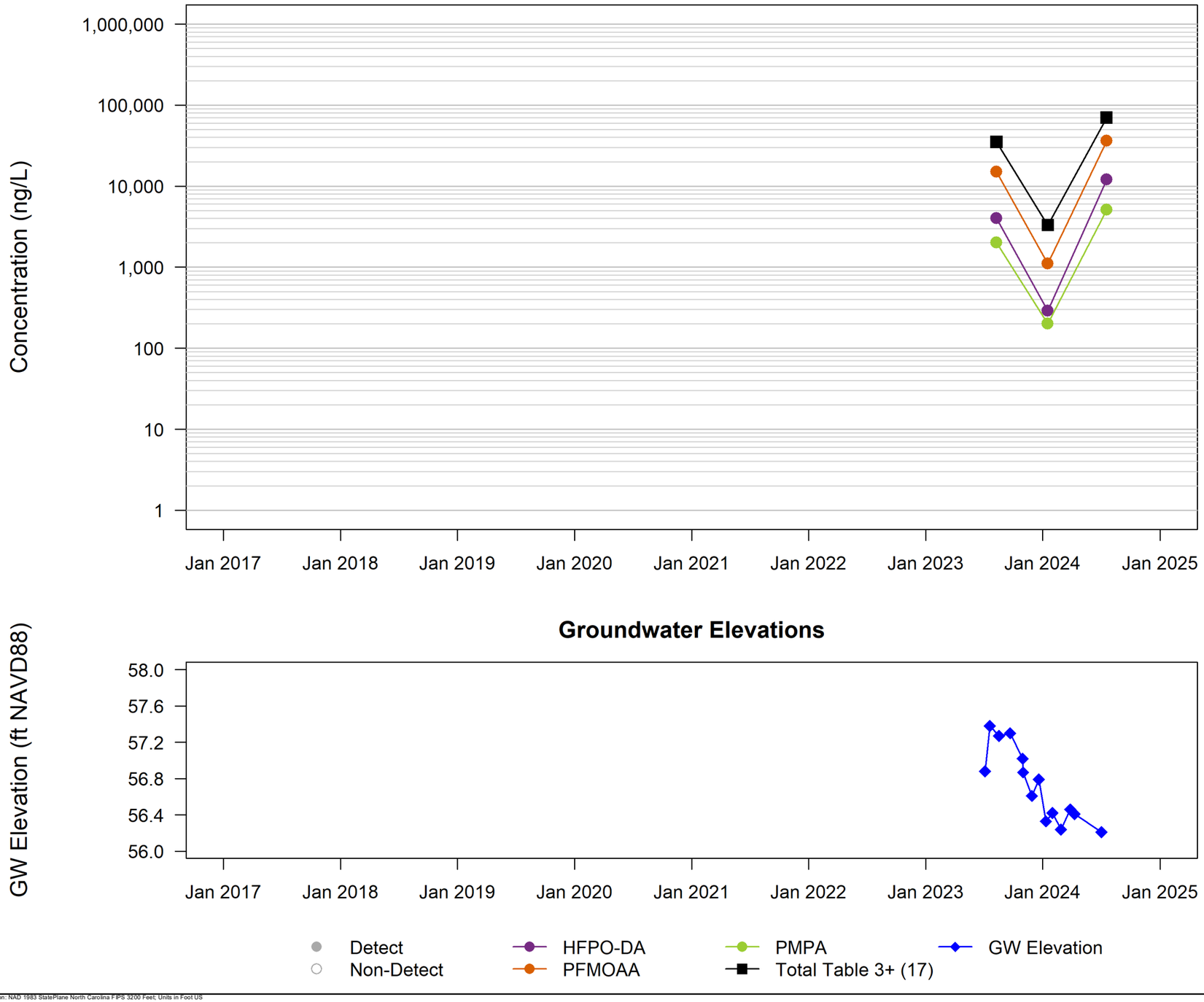
Figure **C.18**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

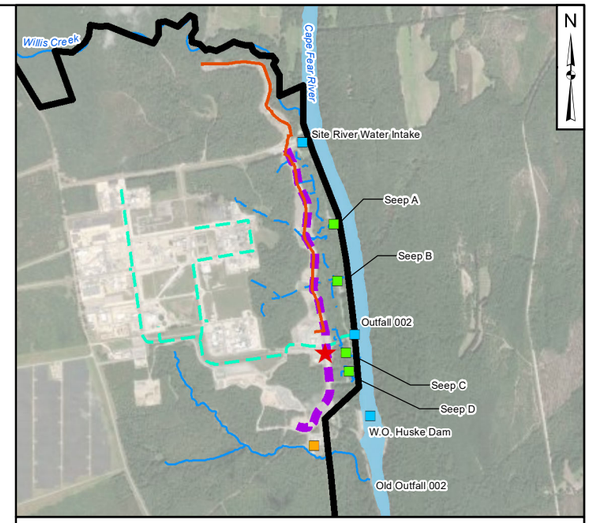
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-37 (Surficial Aquifer)

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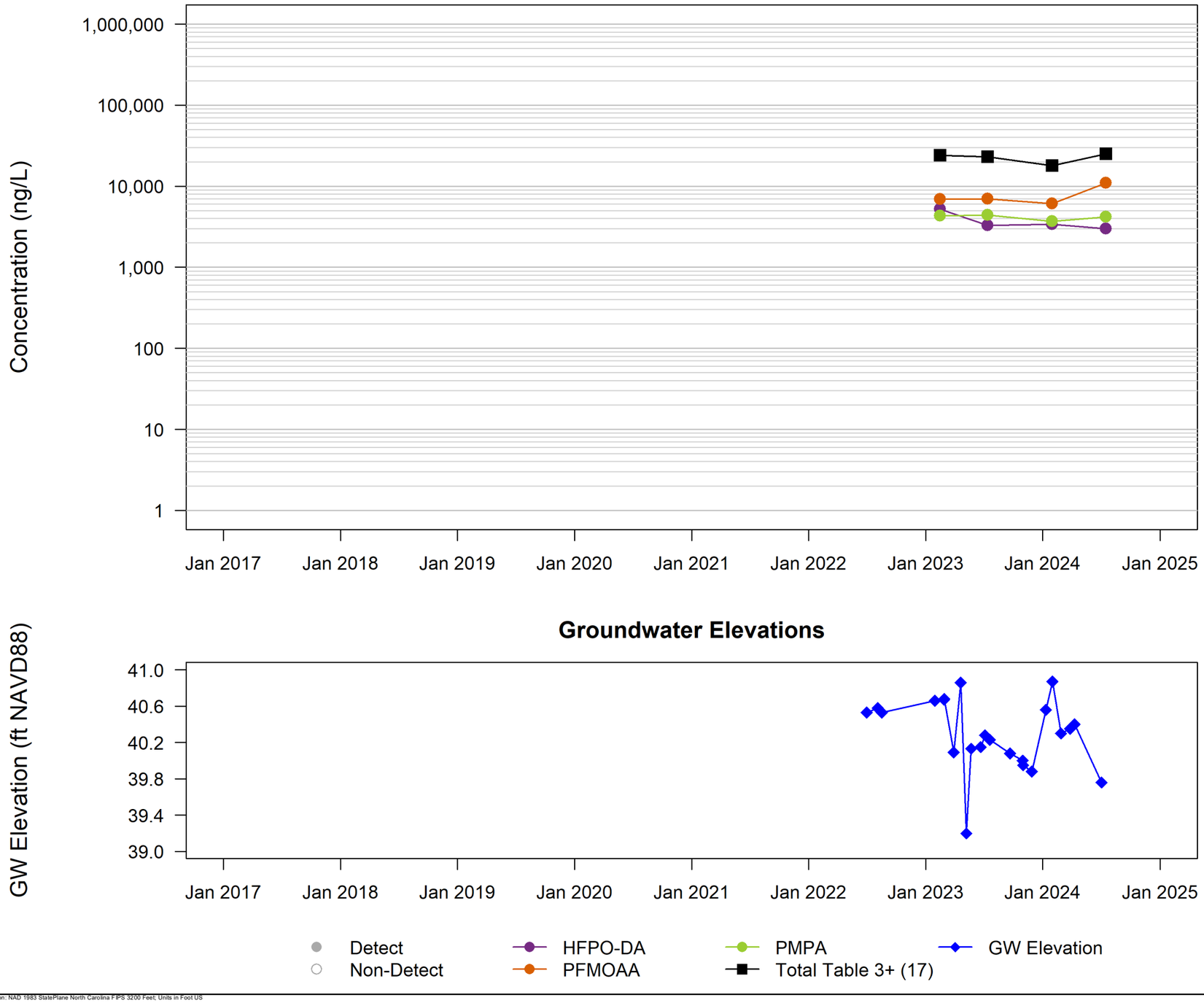
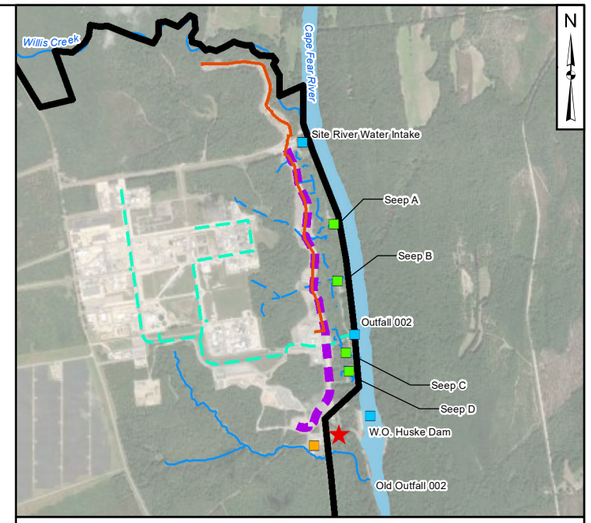
Figure **C.19**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-40 (Black Creek Aquifer)

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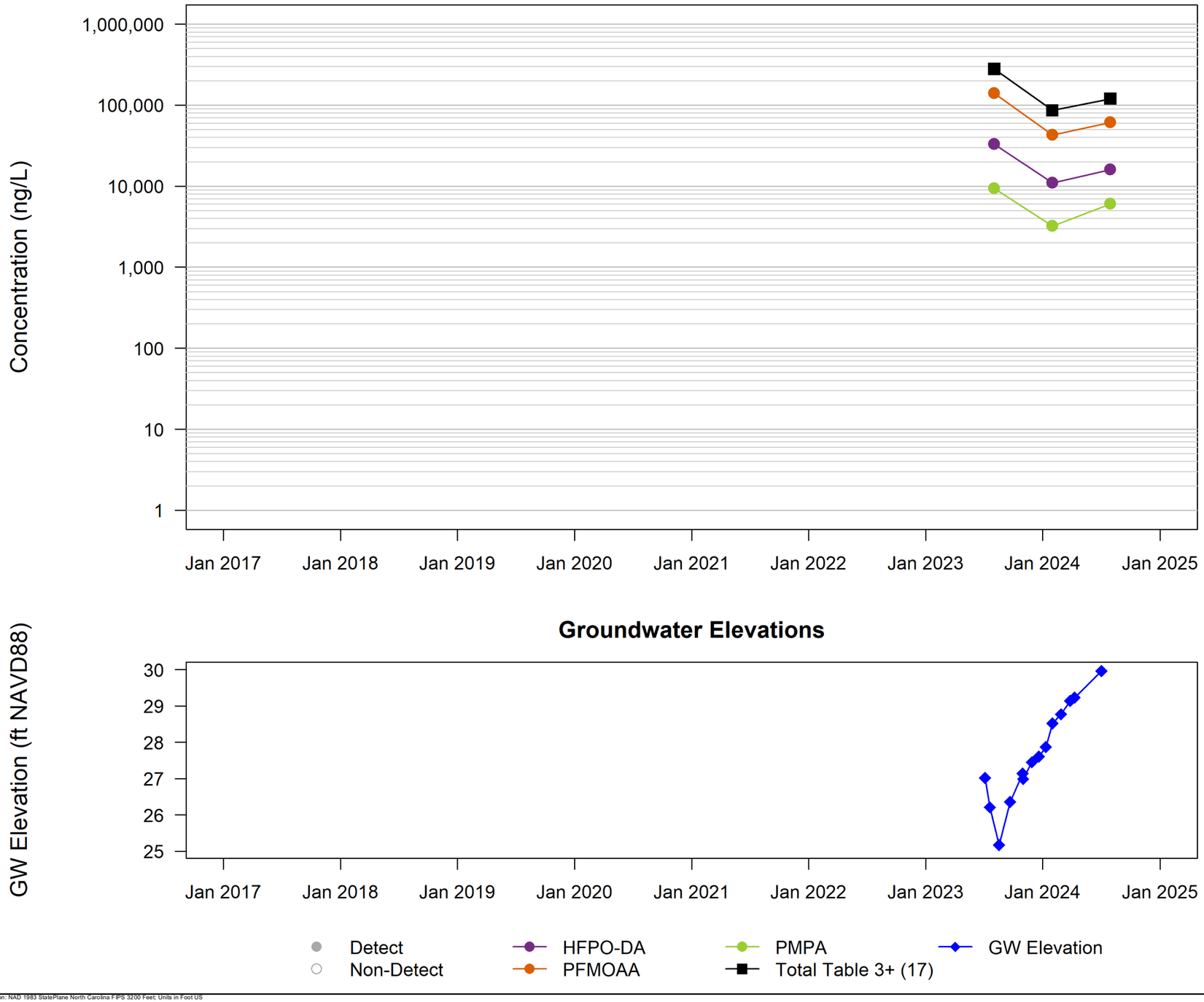
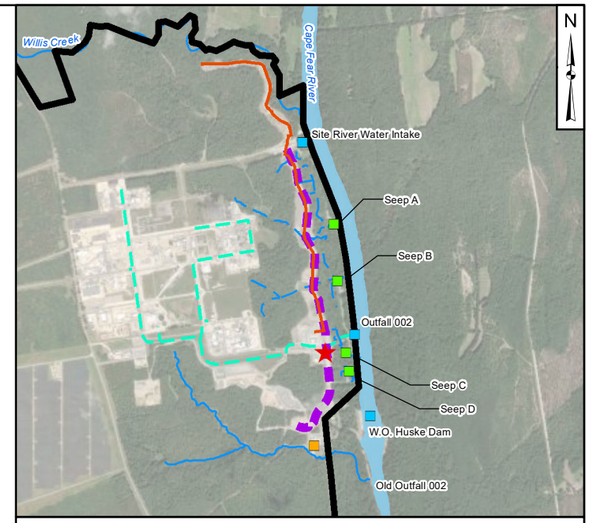
Figure **C.20**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

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2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-51 (Black Creek Aquifer)

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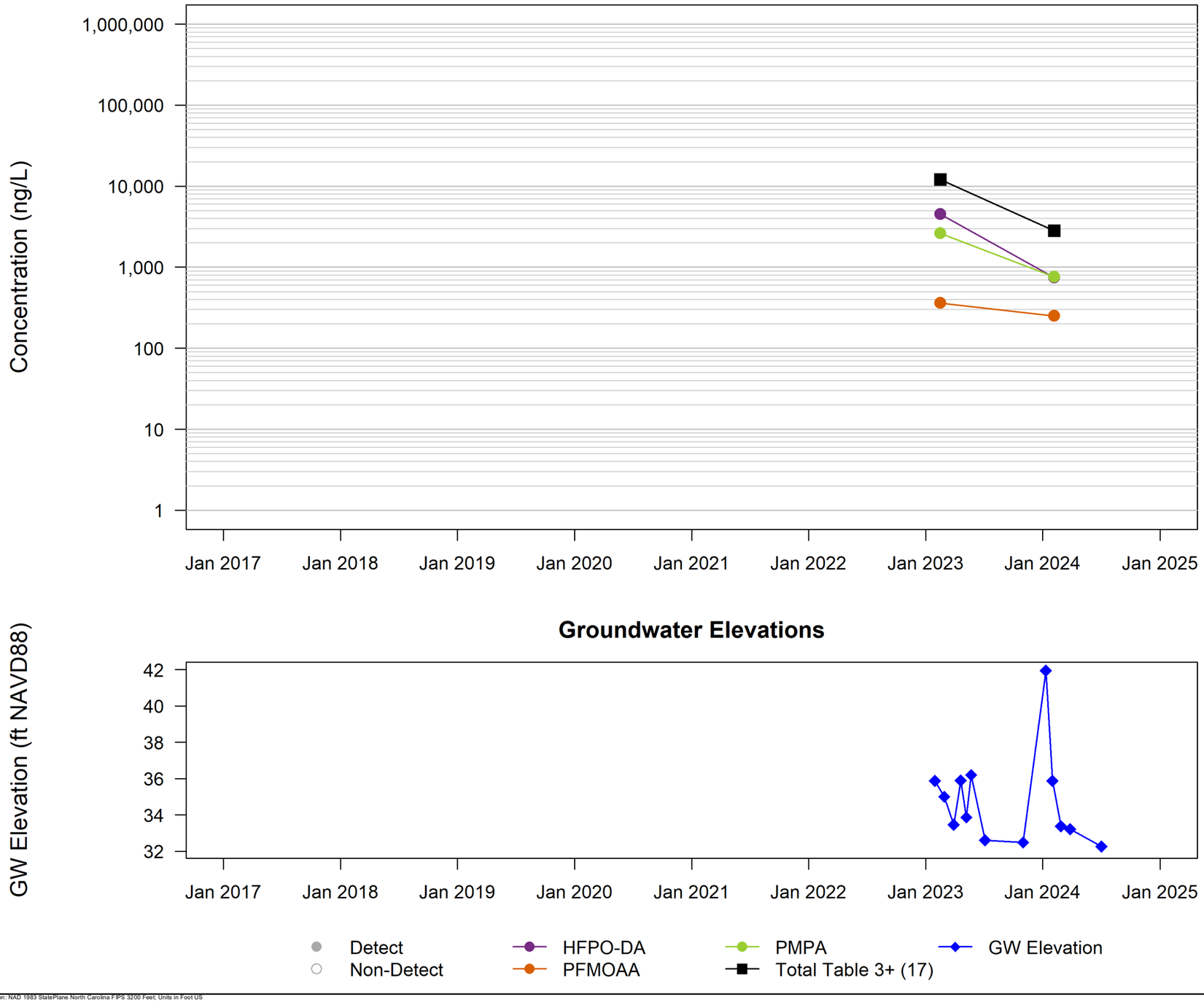
Figure **C.21**

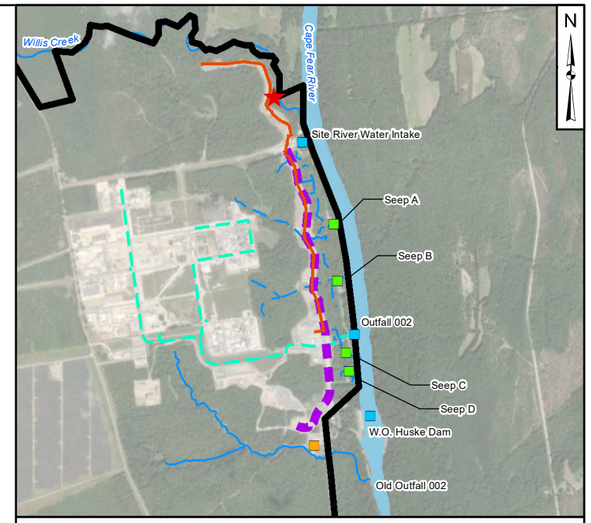
Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
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3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-54 (Black Creek Aquifer)

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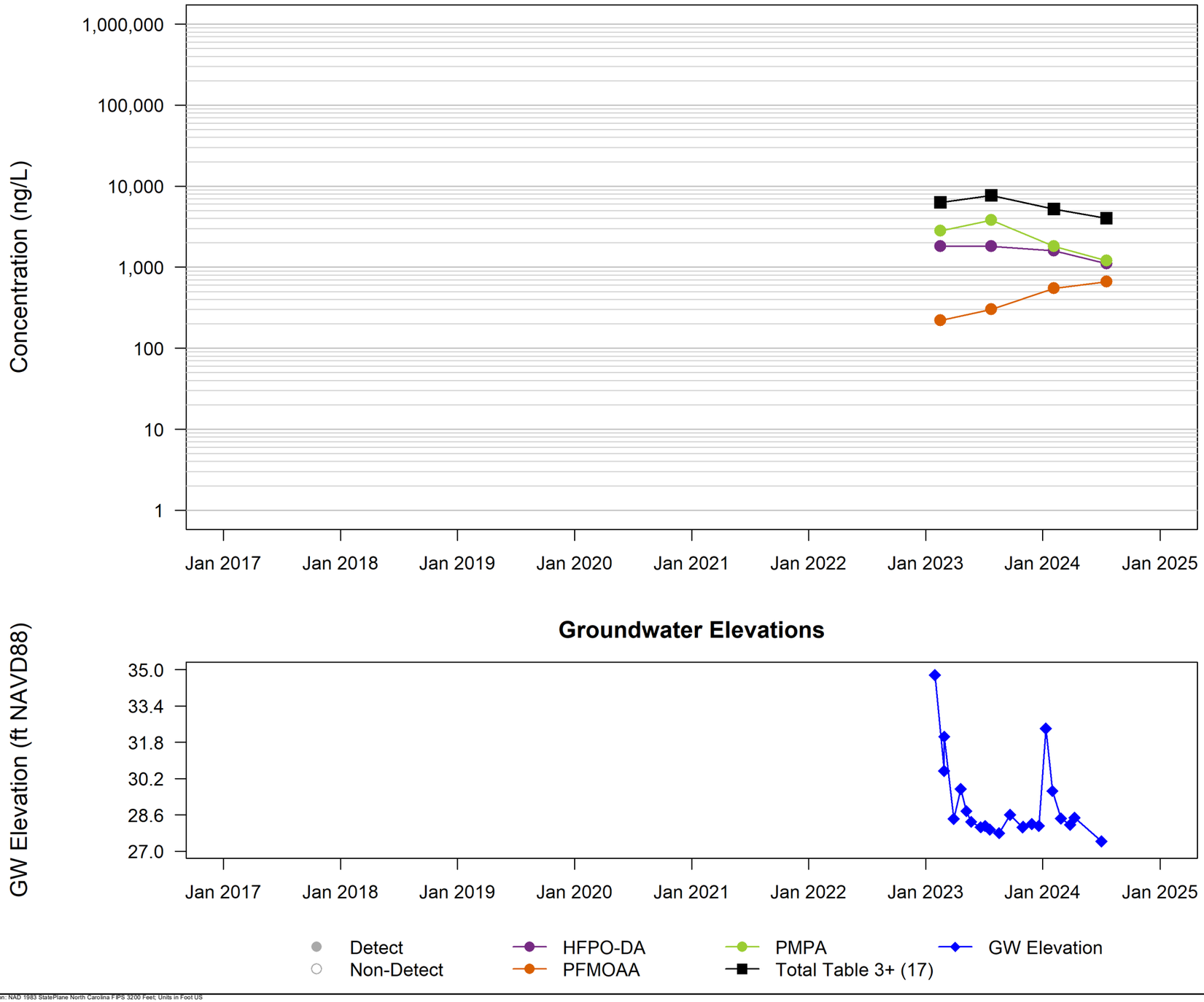
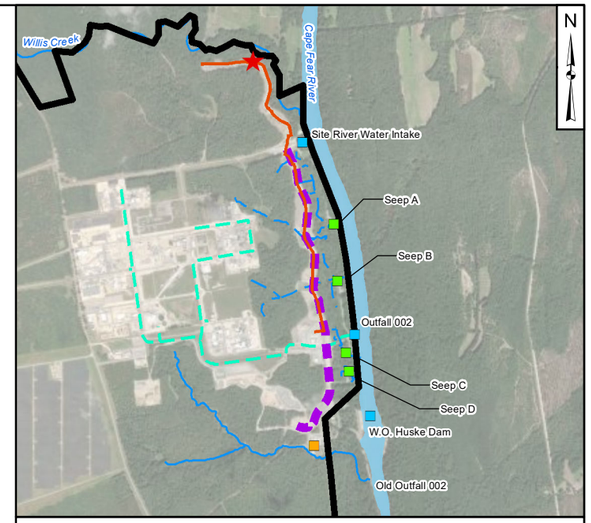
Figure **C.22**

Path: P:\PR\JProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-55 (Black Creek Aquifer)

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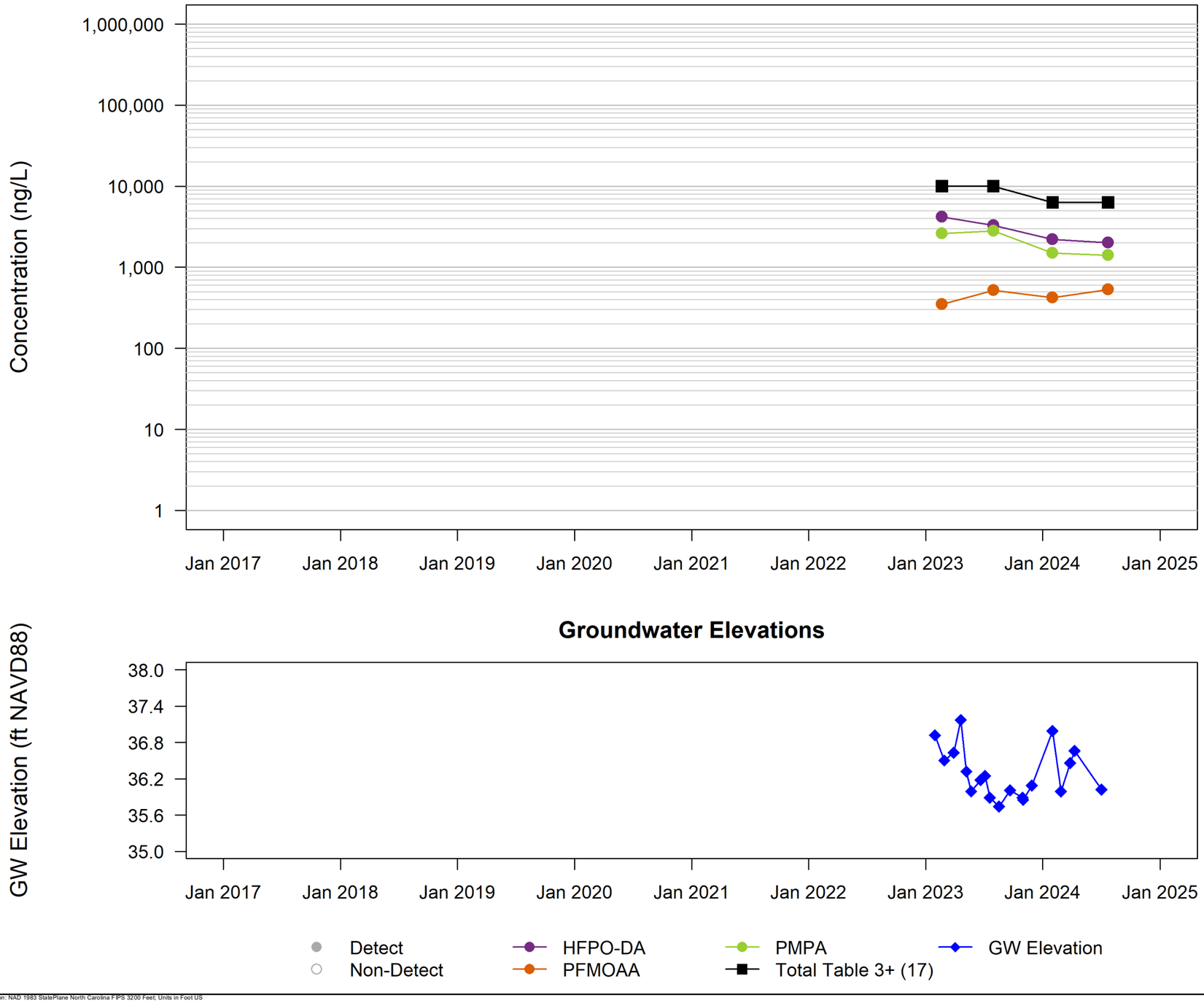
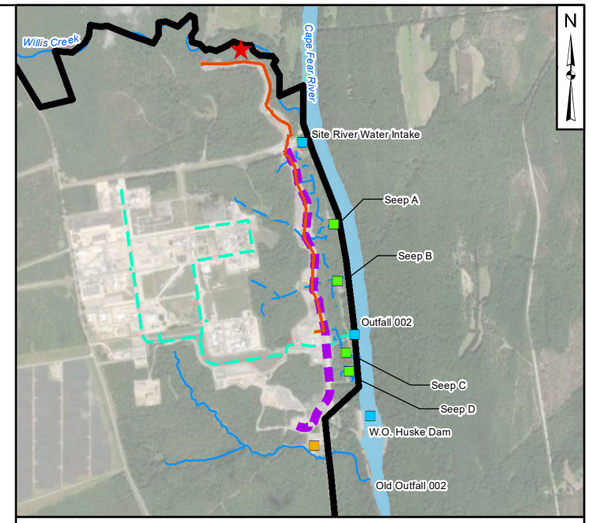
Figure **C.23**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-56 (Black Creek Aquifer)

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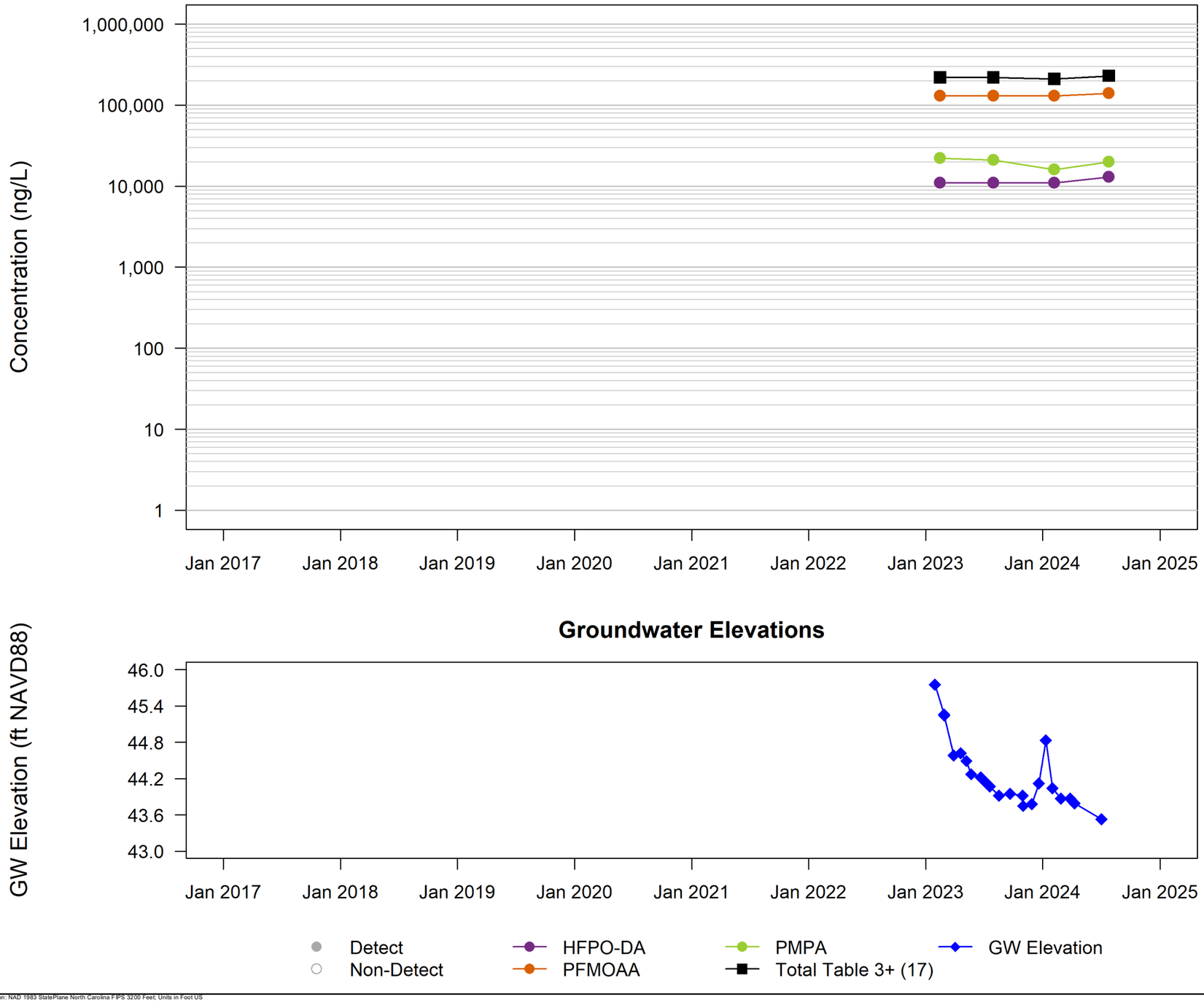
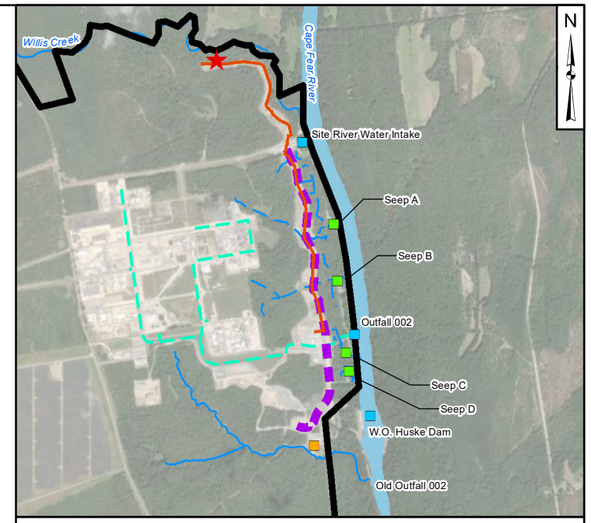
Figure **C.24**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-57 (Black Creek Aquifer)

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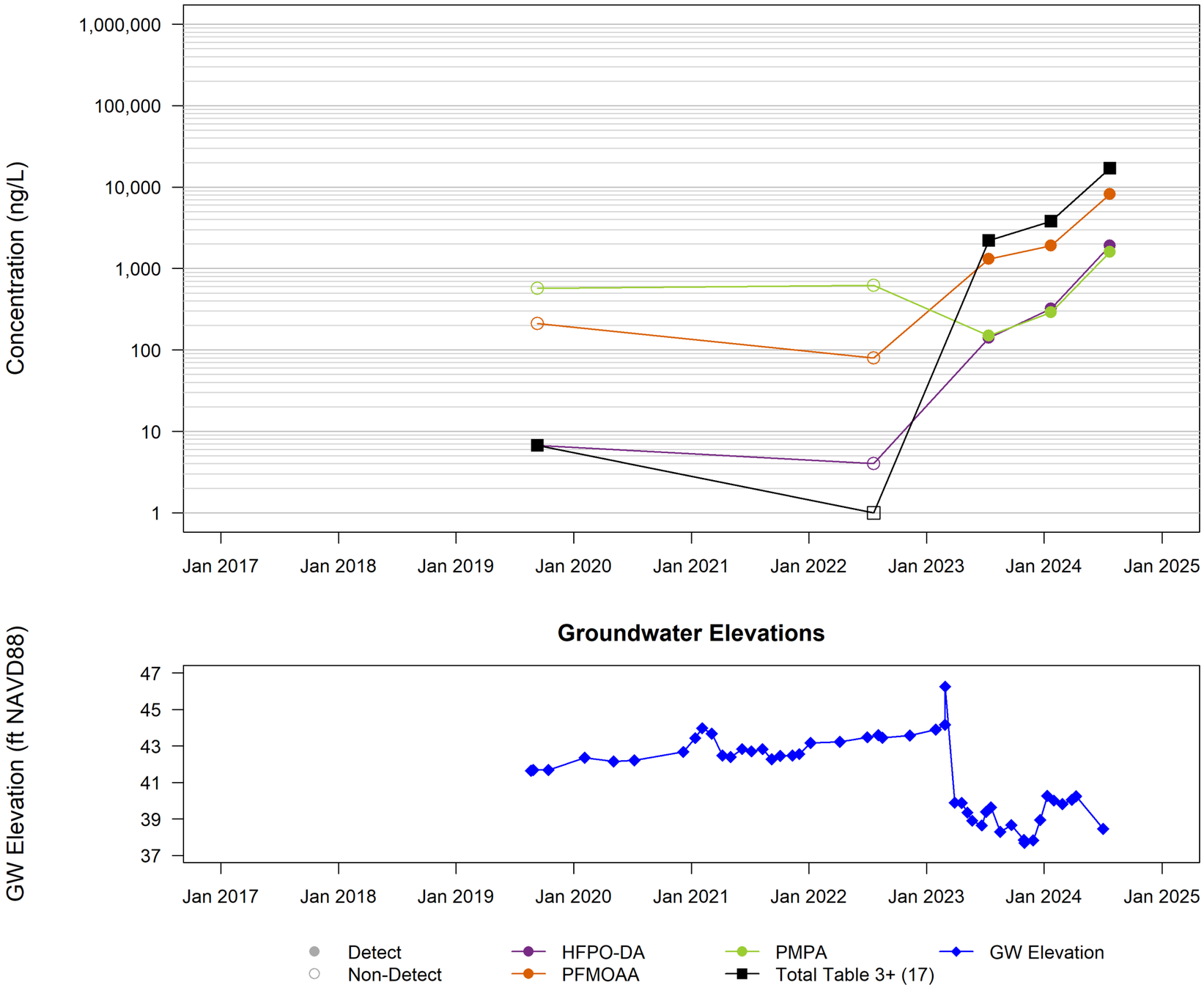
Figure **C.25**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

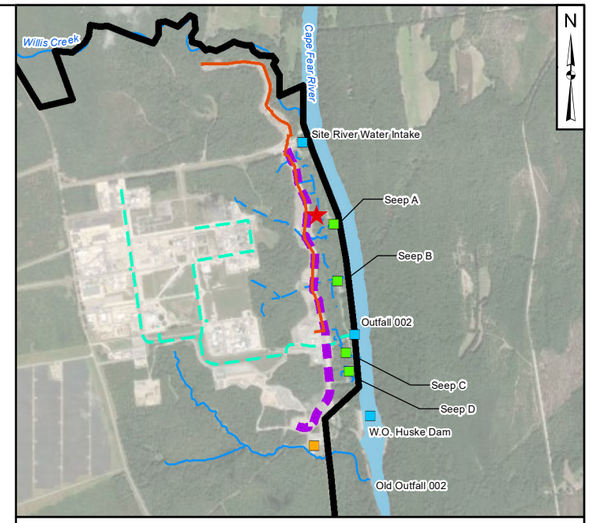
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-4D (Black Creek Aquifer)

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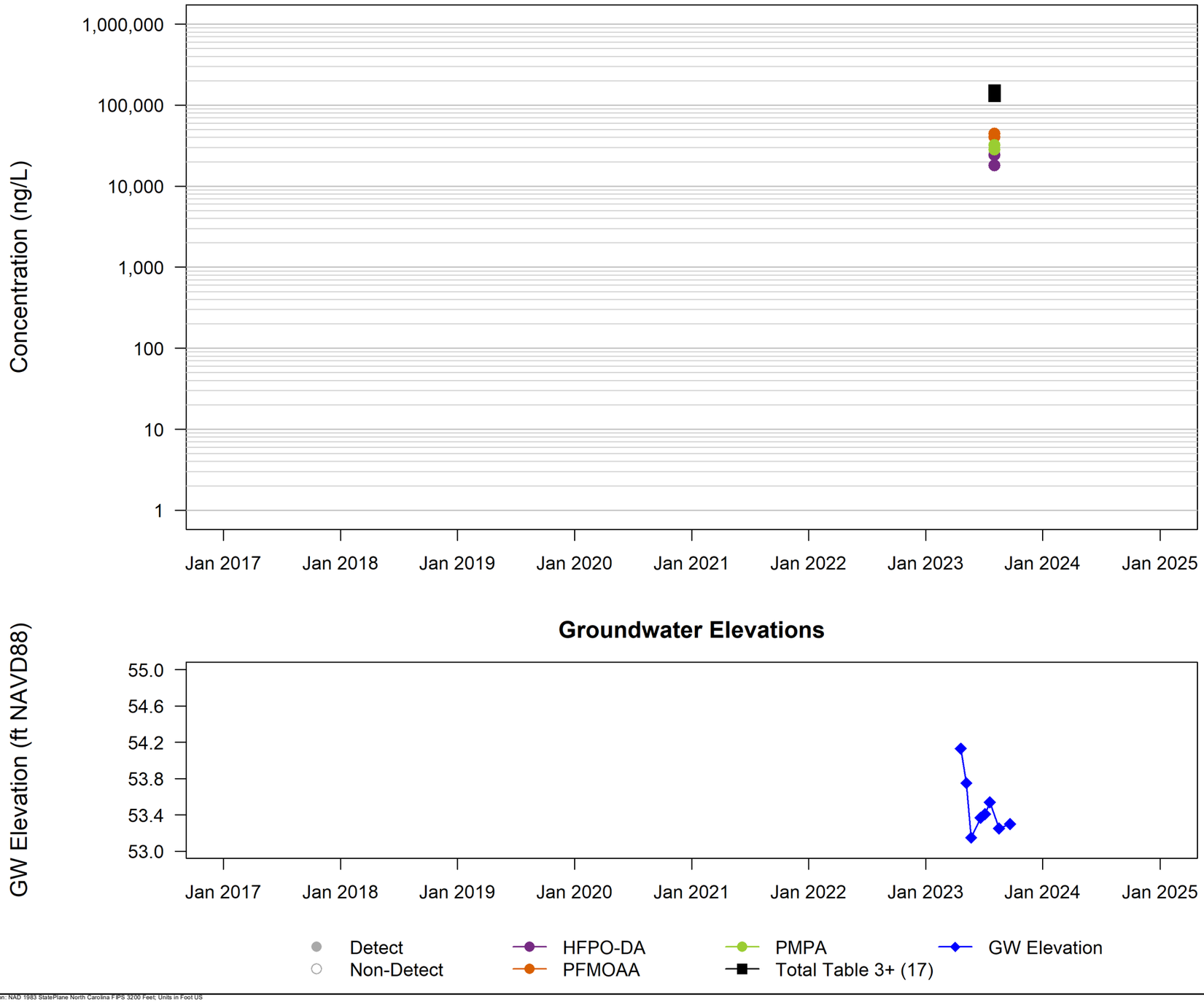
Figure
C.26

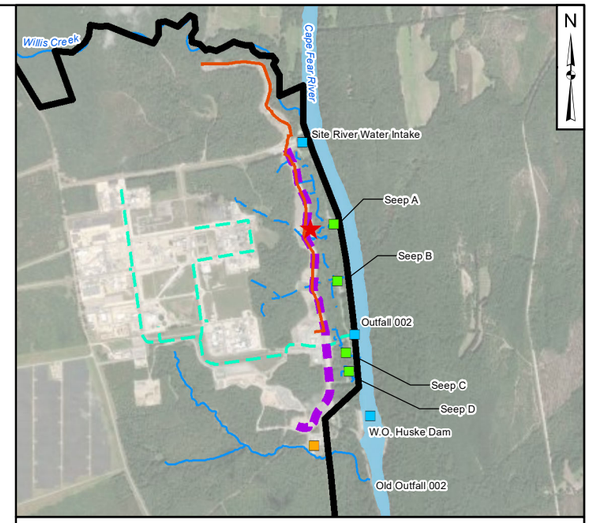
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetworkFigure_ForReporting_GWEC.mxd, Tp, 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-5SR (Surficial Aquifer)

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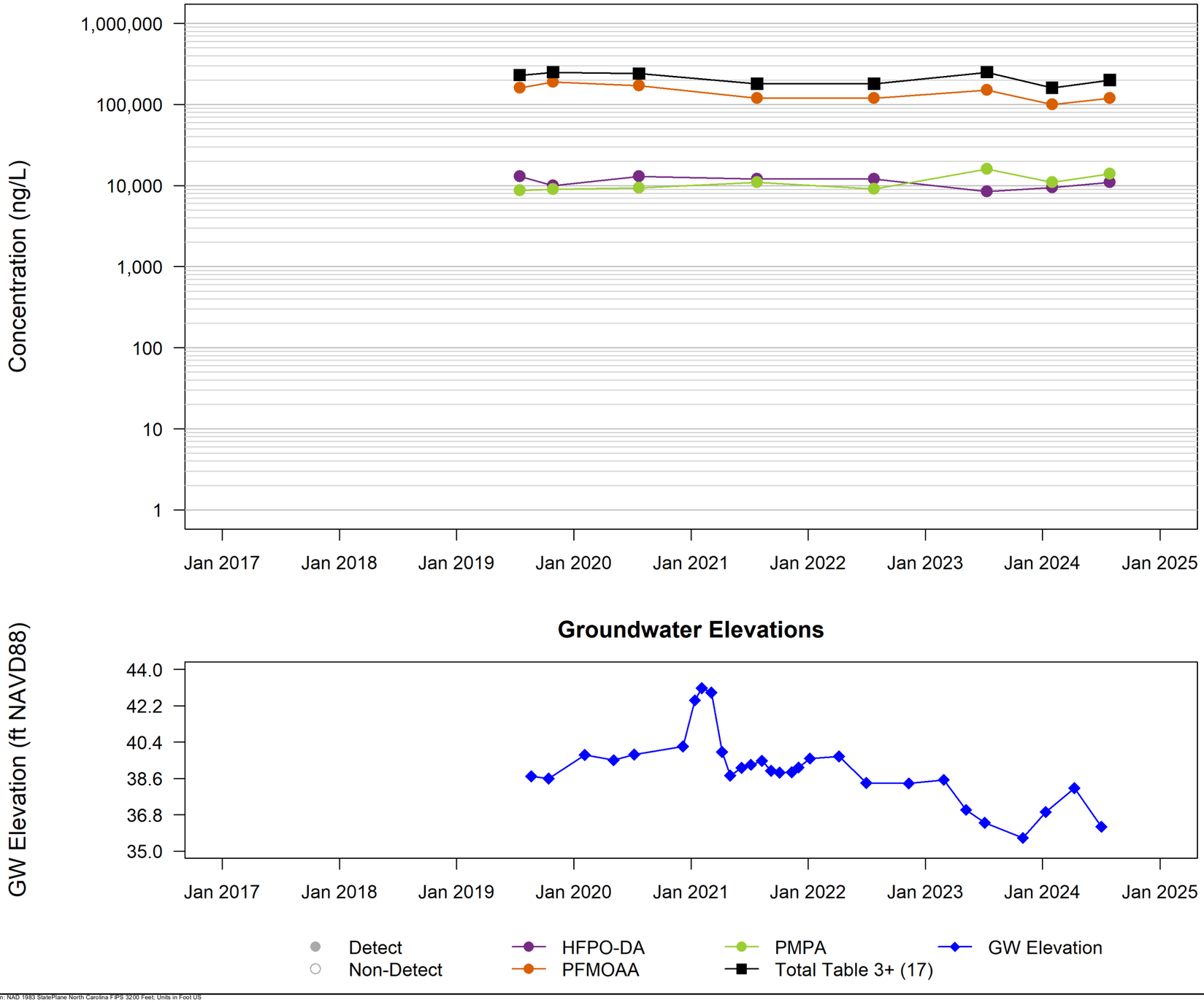
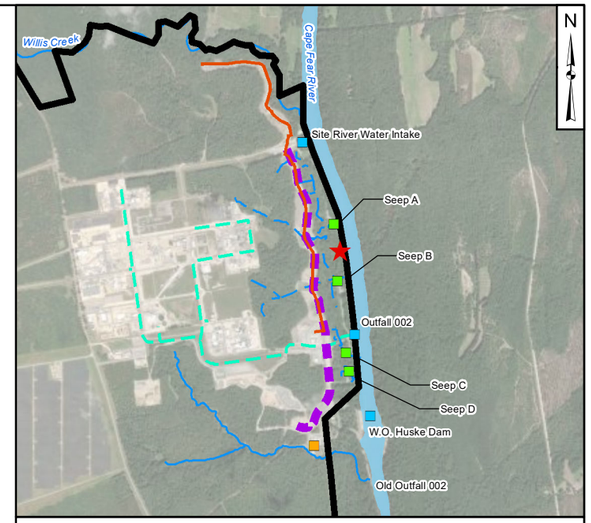
Figure **C.27**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-6S (Floodplain Deposits)

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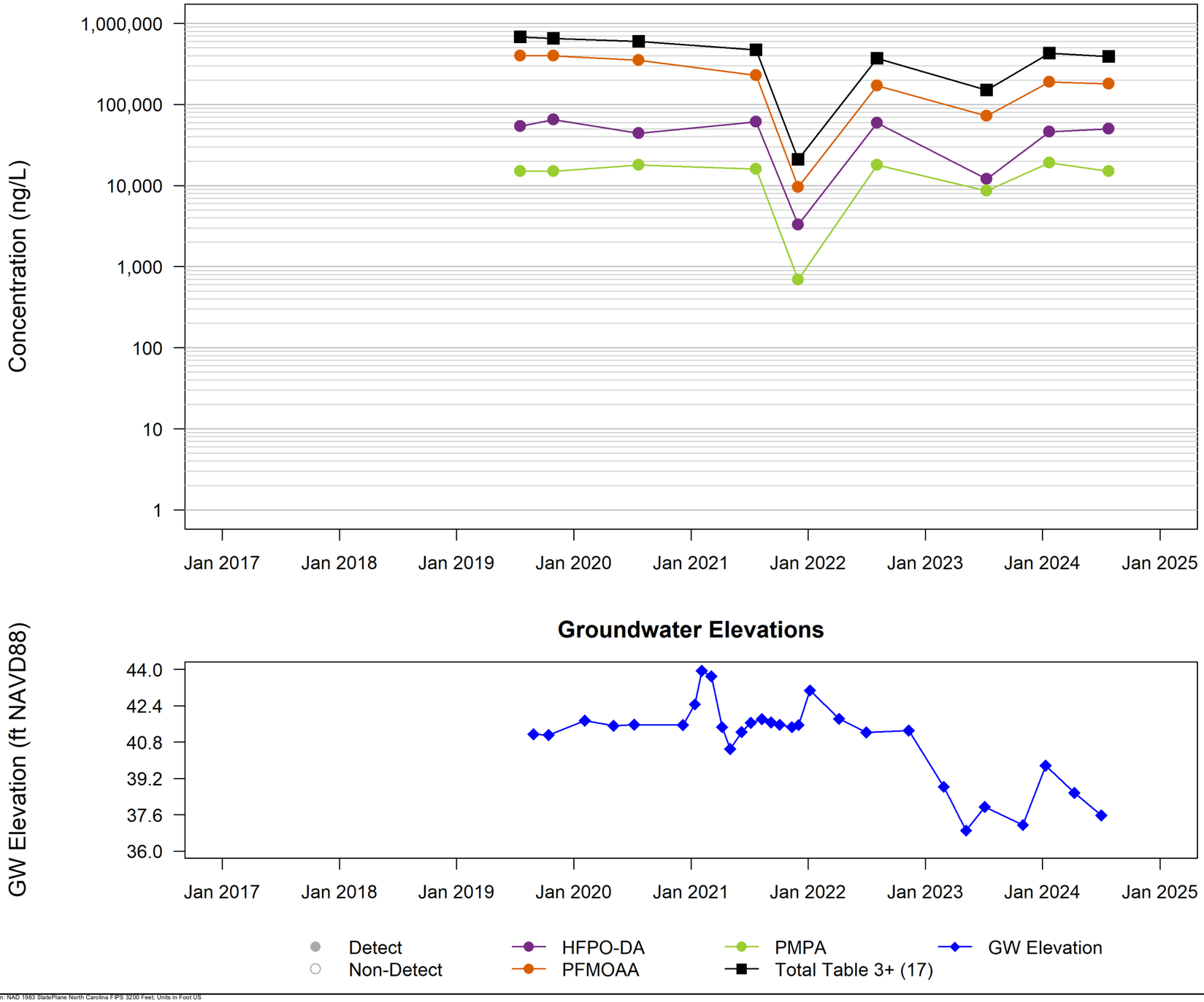
Figure **C.28**

Path: P:\PRJProjects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd, To, 12/2/2024

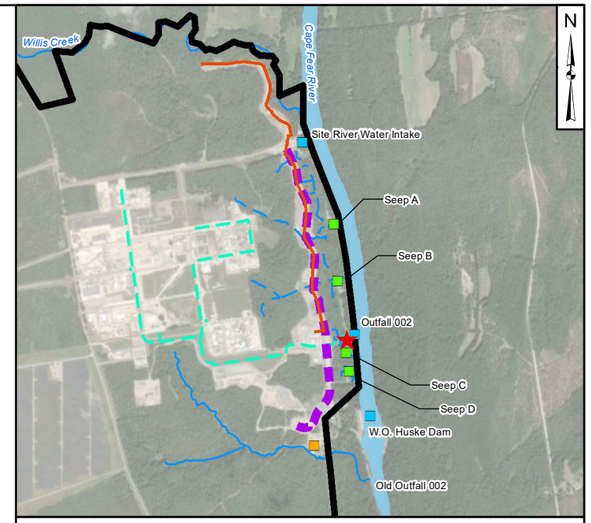
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-8D (Black Creek Aquifer)

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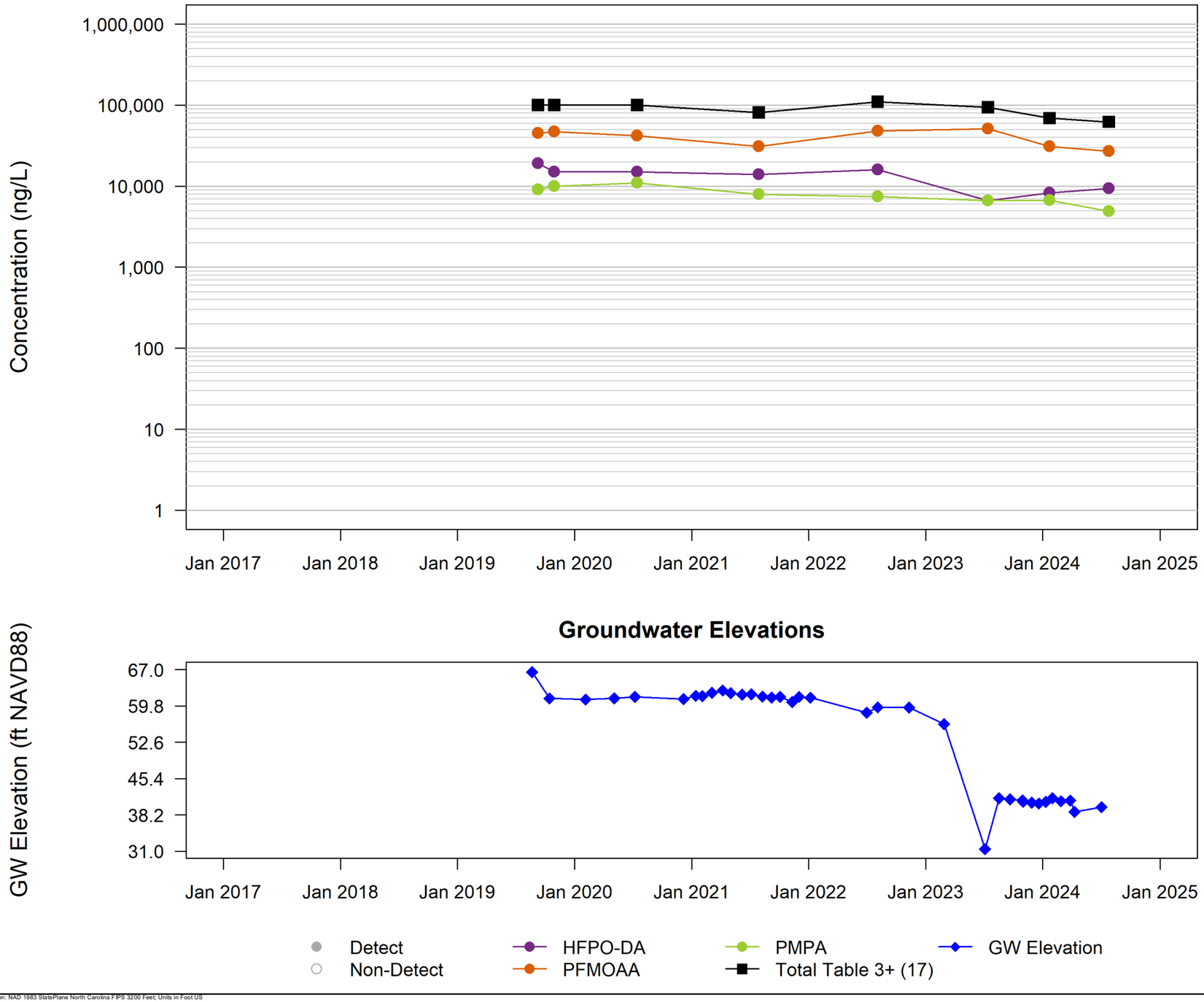
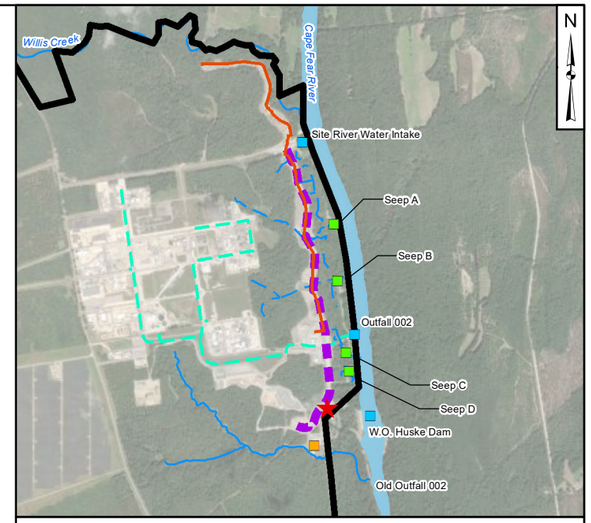
Figure **C.29**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-10DR (Black Creek Aquifer)

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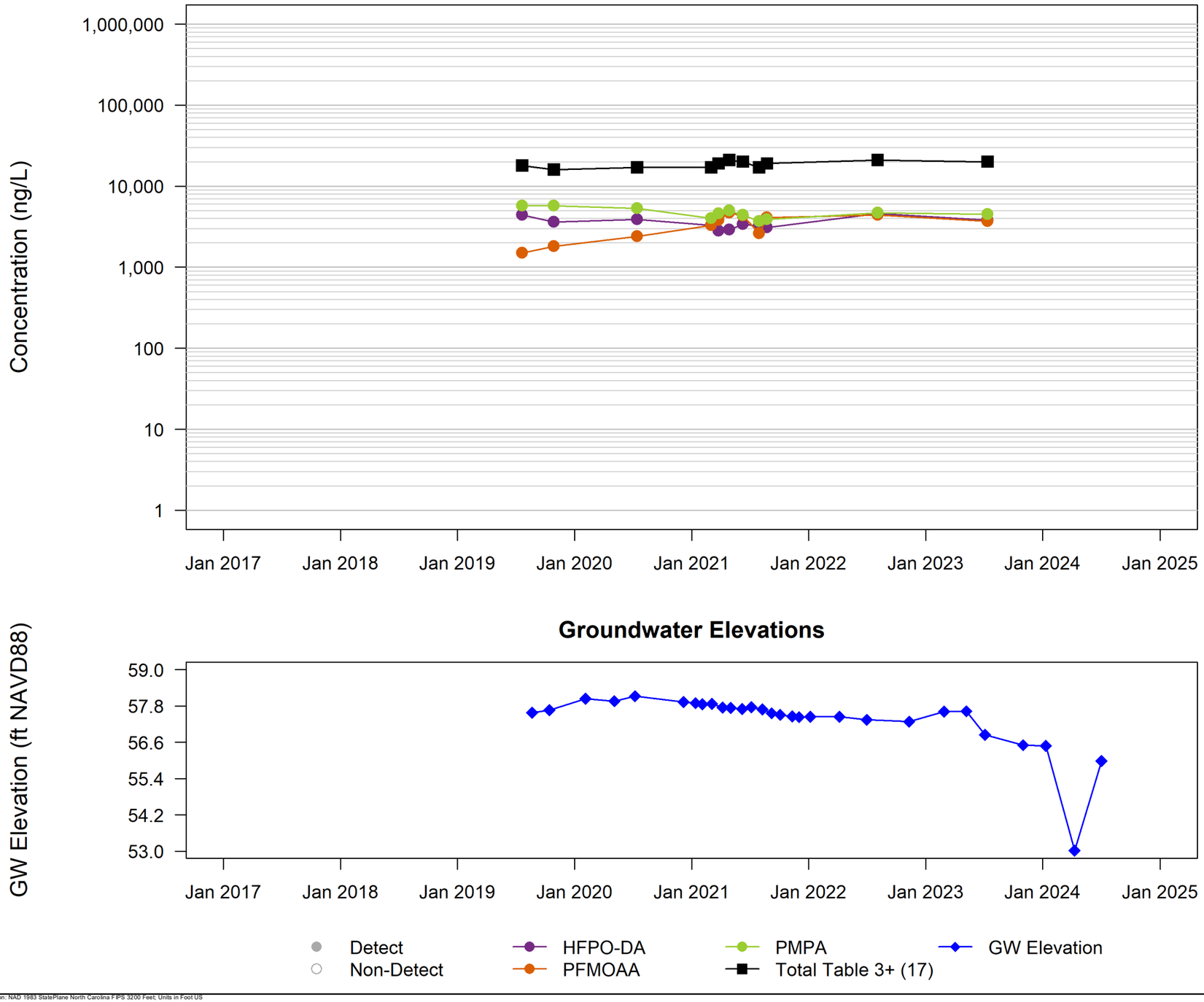
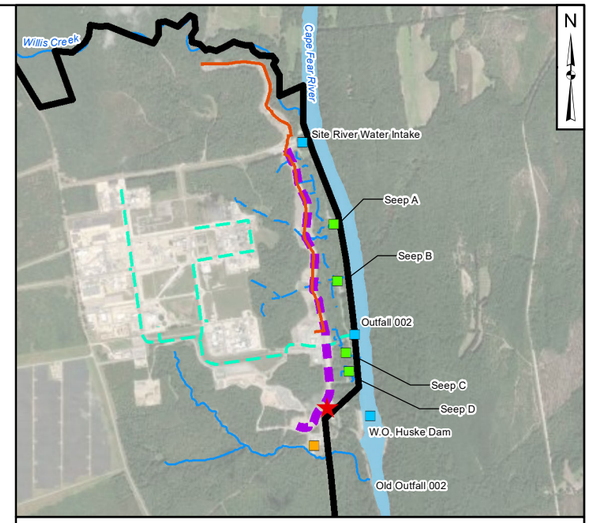
Figure **C.30**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
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3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-10S (Surficial Aquifer)

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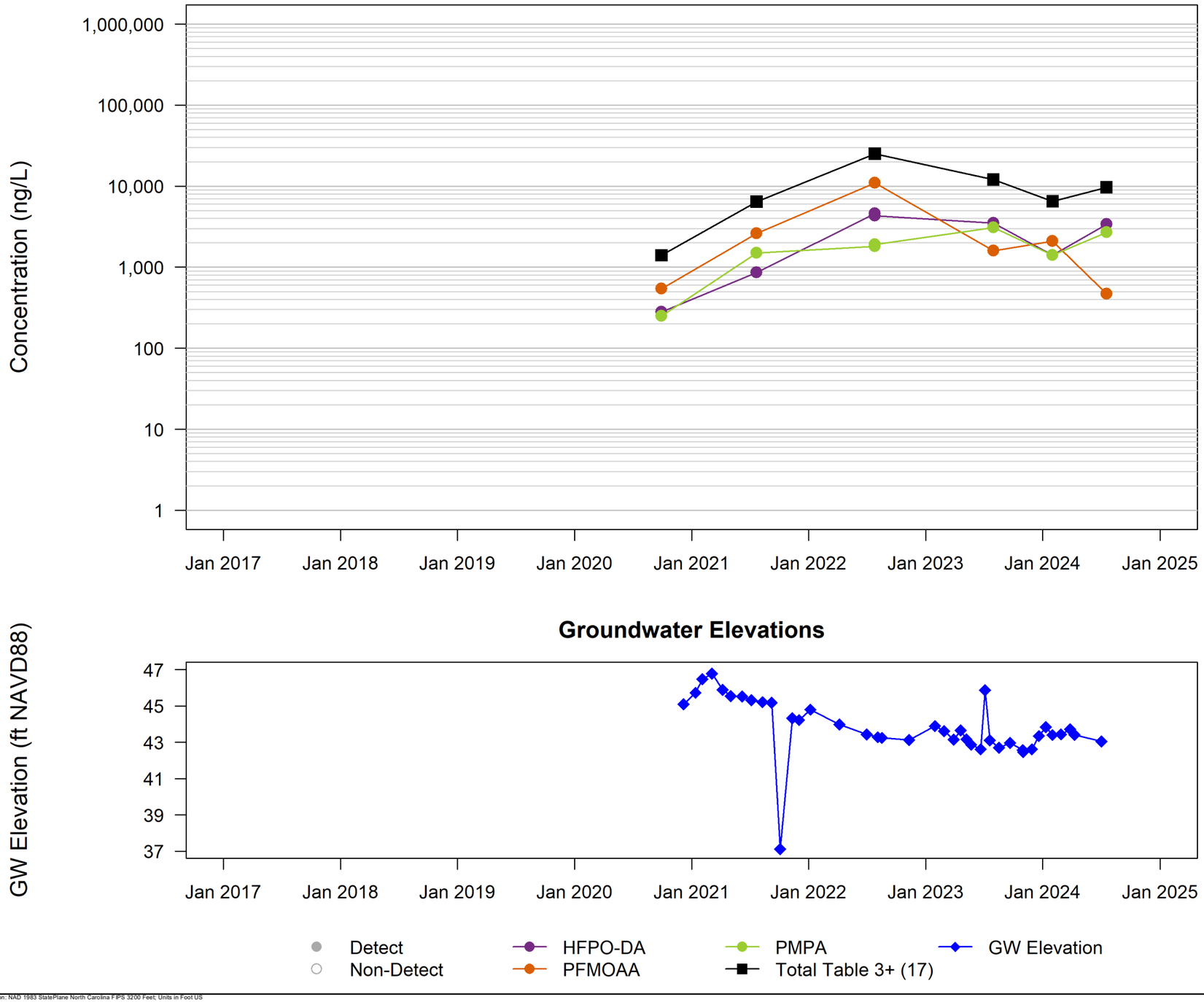
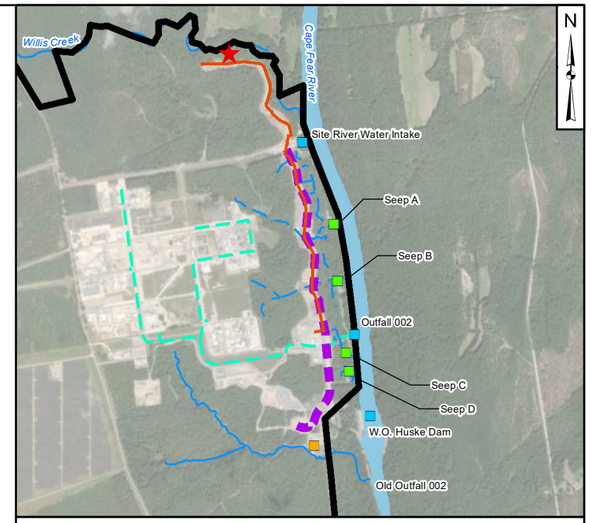
Figure **C.31**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork4Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
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3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-11 (Black Creek Aquifer)

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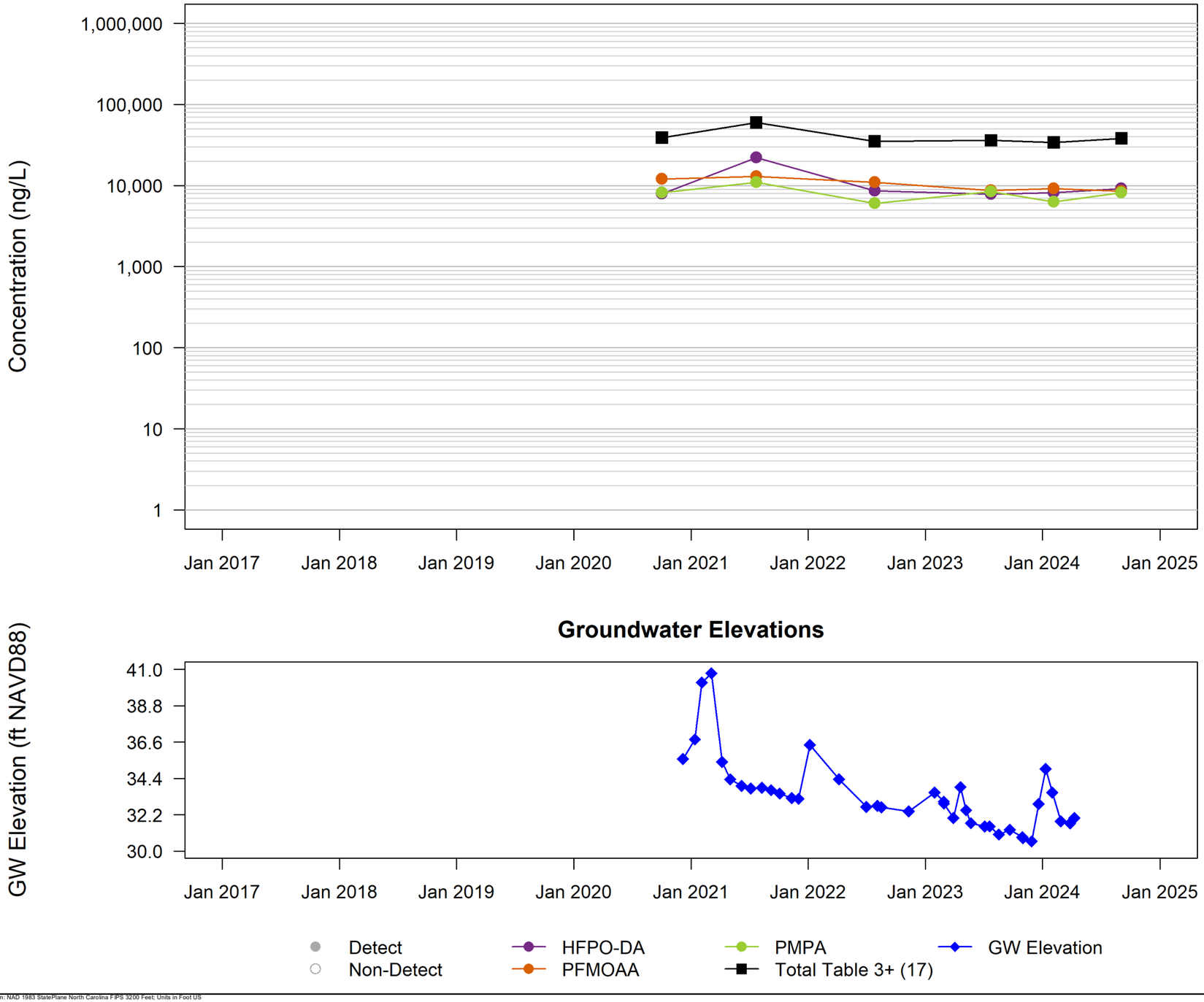
Figure **C.32**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

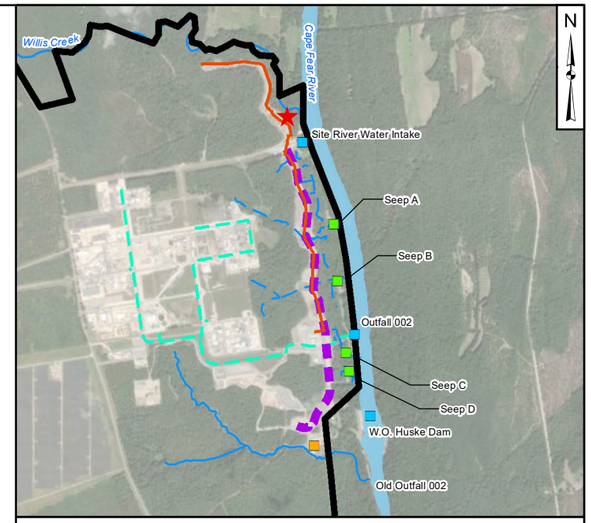
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

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3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-15 (Black Creek Aquifer)

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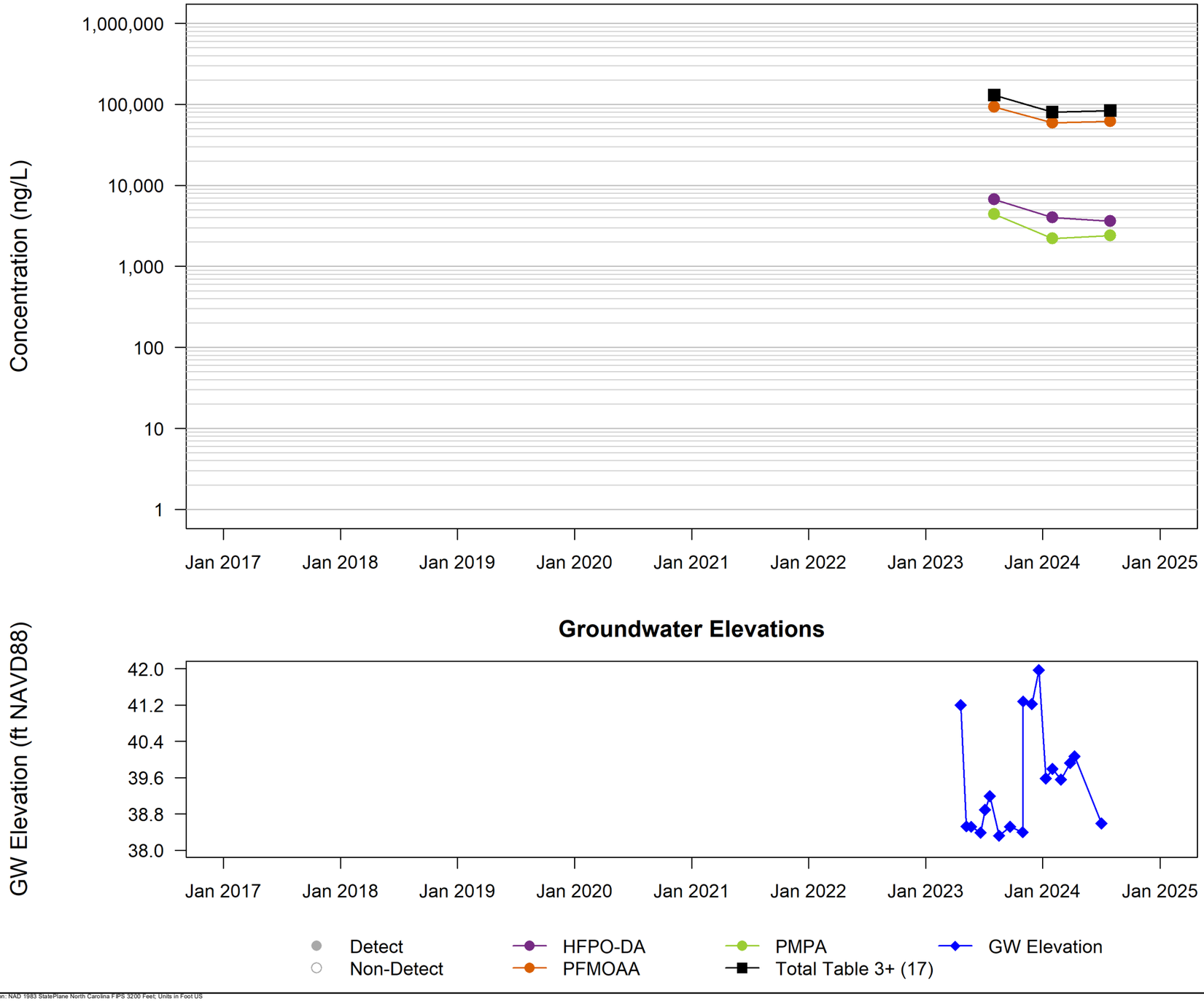
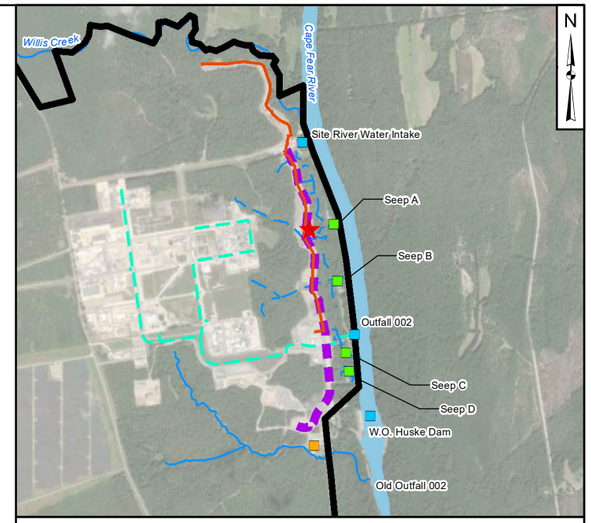
Figure **C.33**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
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3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PW-10RR (Black Creek Aquifer)

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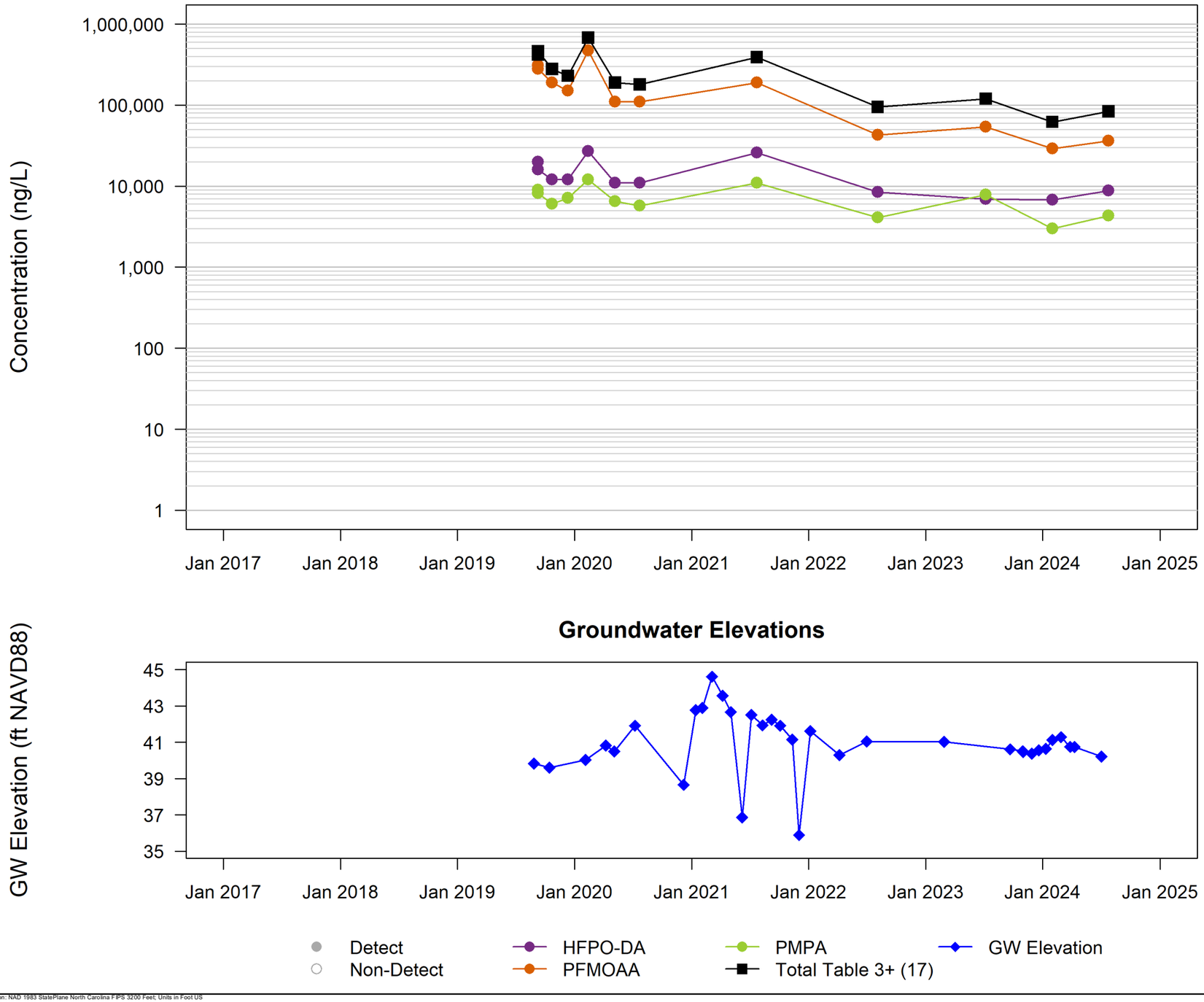
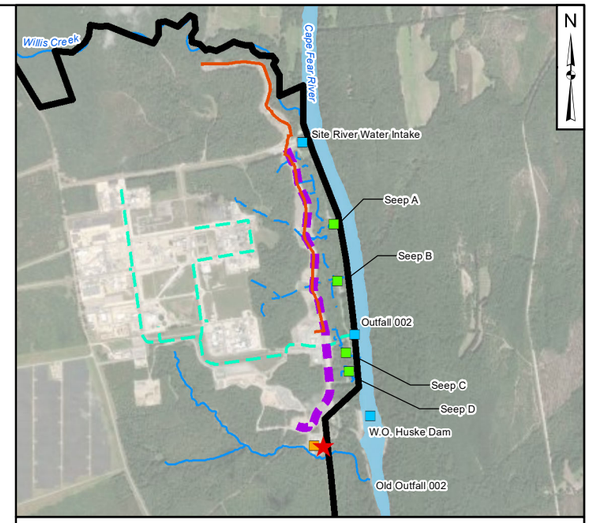
Figure **C.34**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; To; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PW-11 (Black Creek Aquifer)

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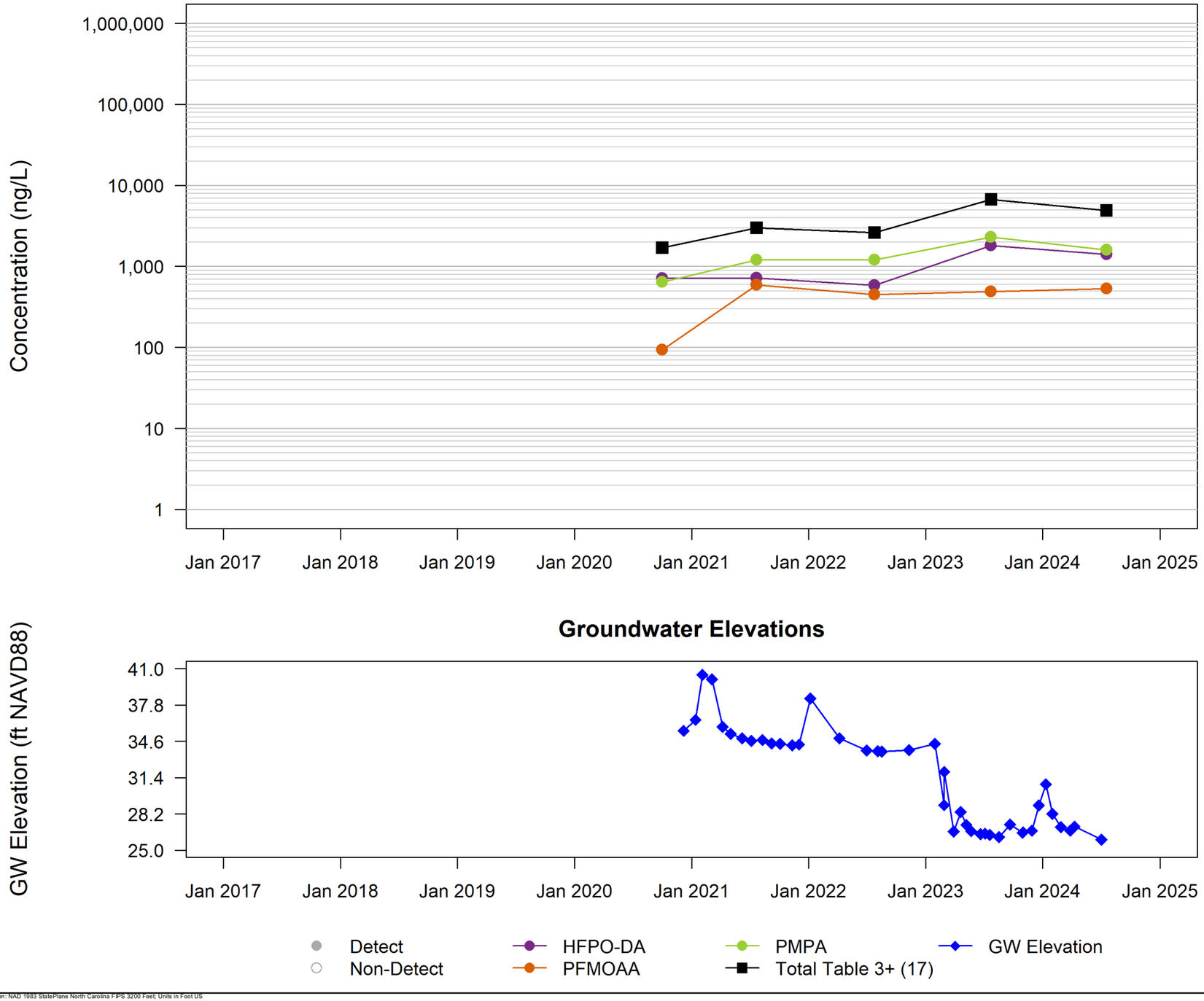
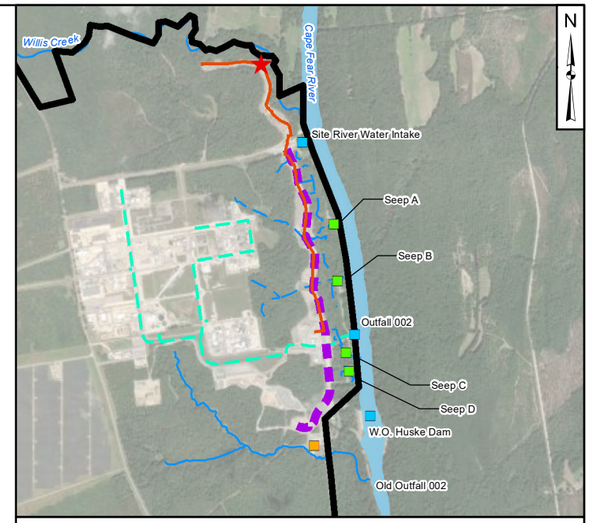
Figure **C.35**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-12 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

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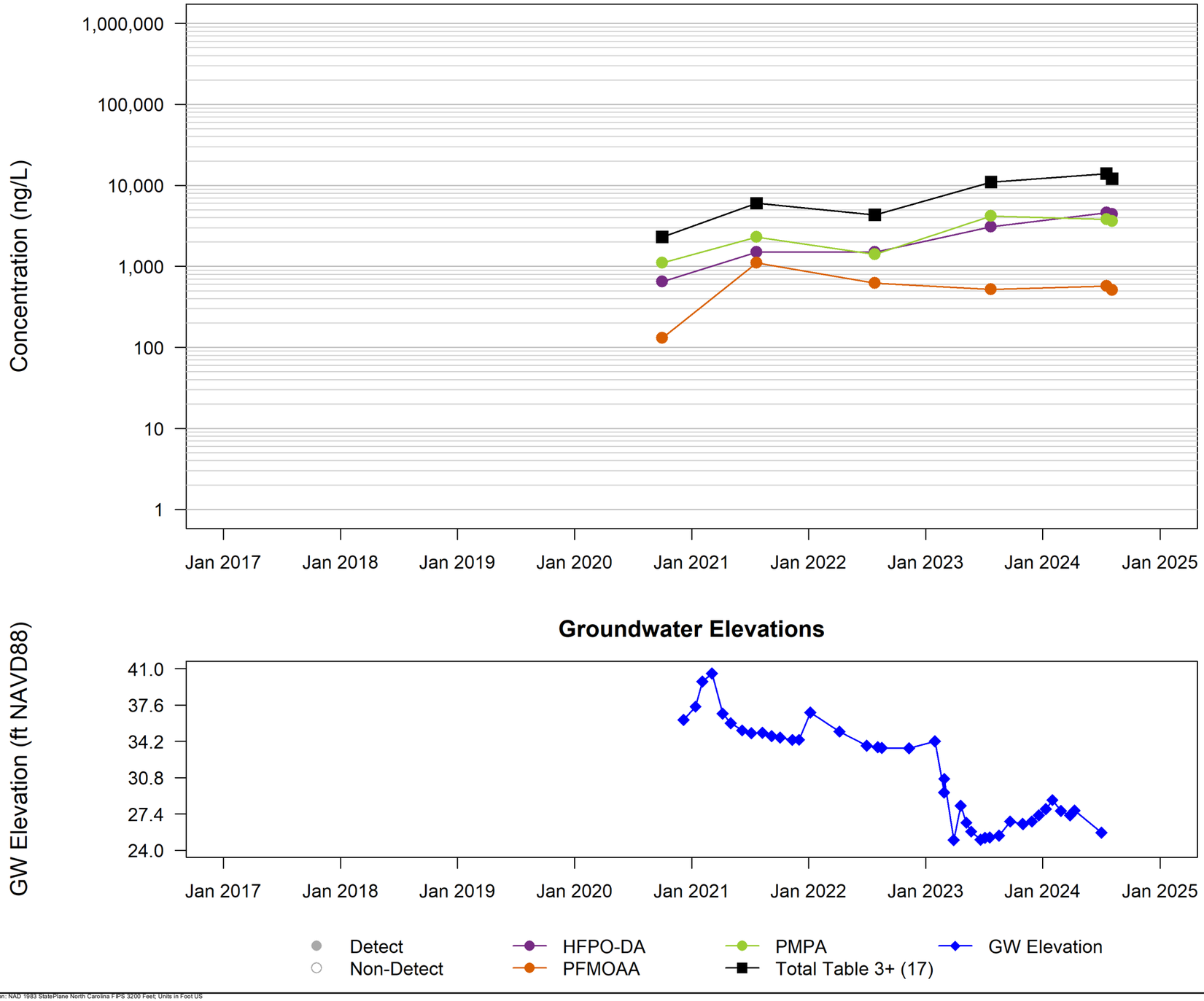
Figure **C.36**

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

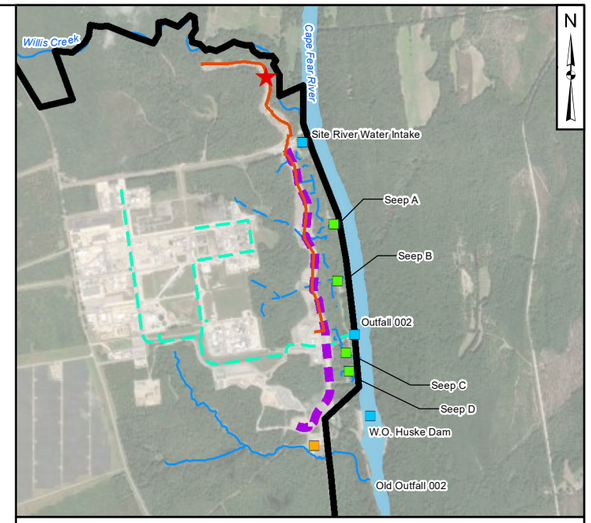
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-13 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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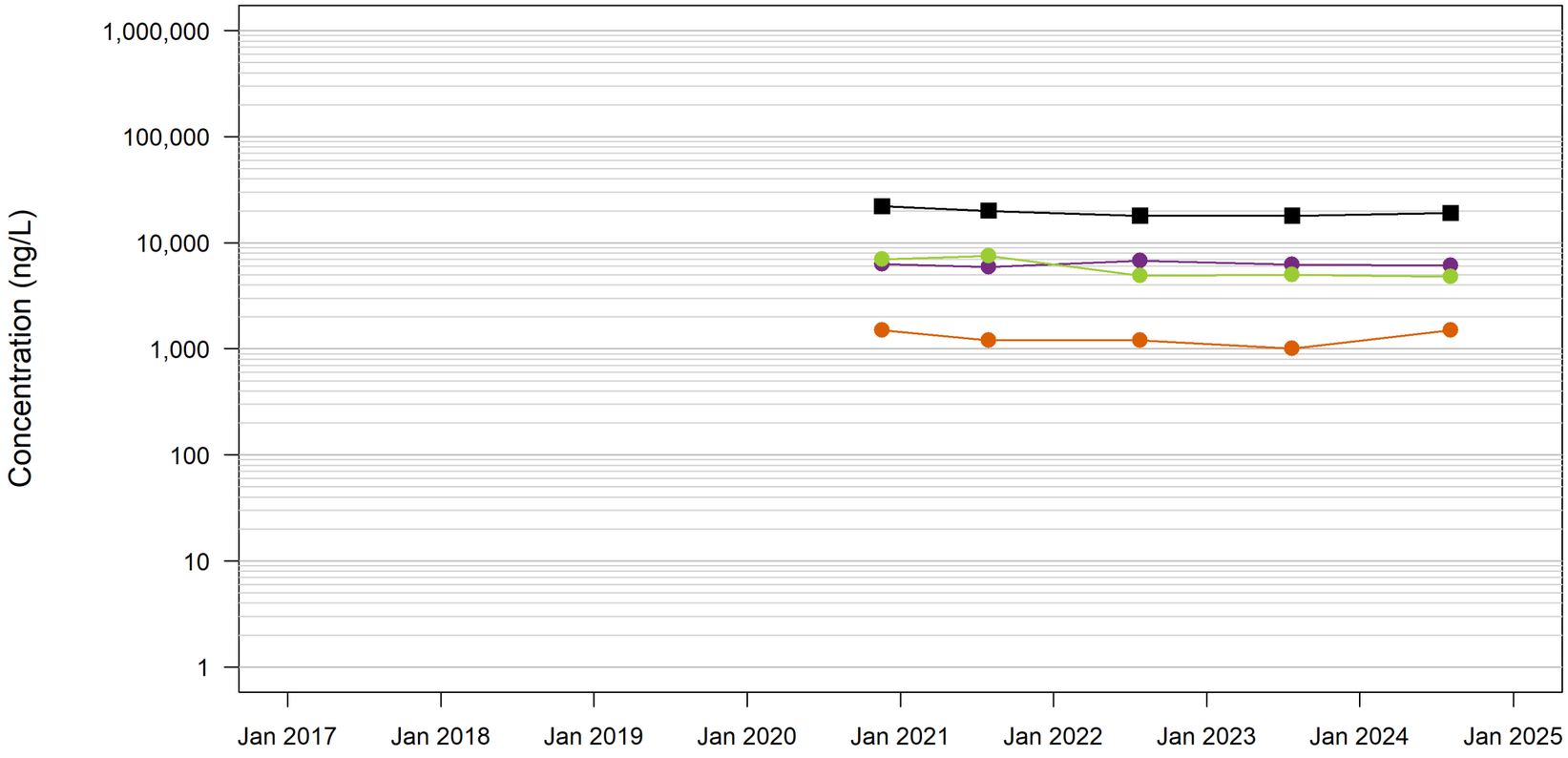
Figure **C.37**

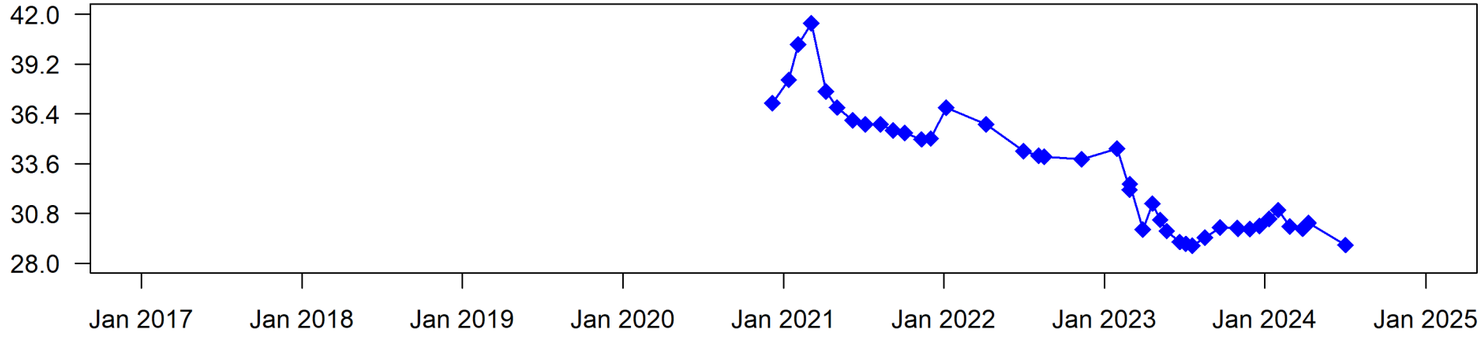
Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

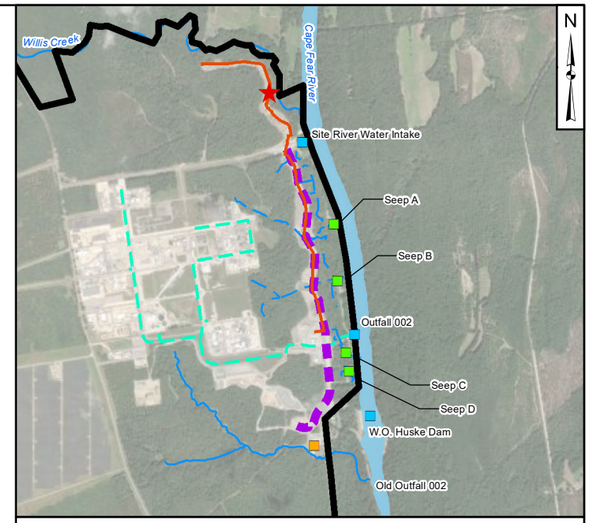
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-14 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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Figure
C.38

Path: P:\PR\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tp, 12/2/2024

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US