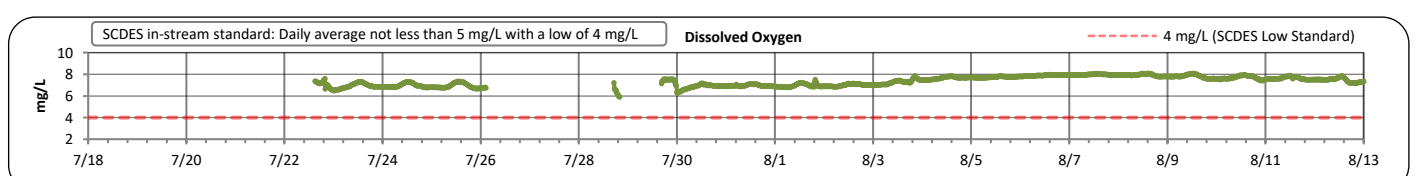
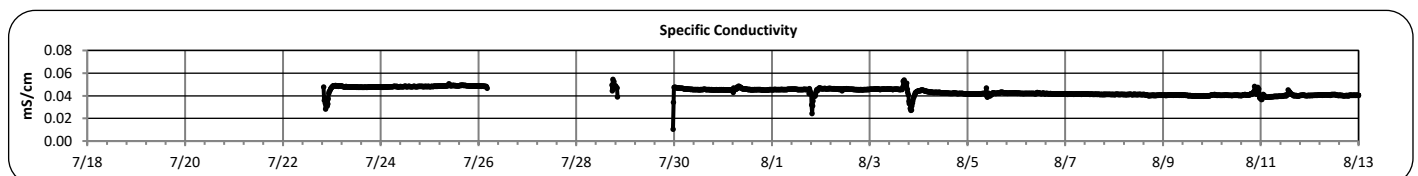
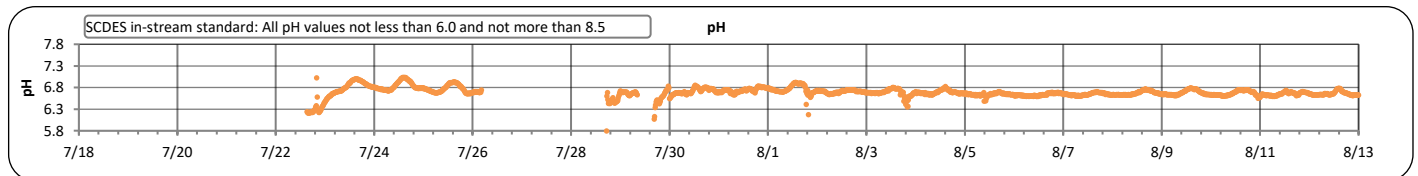
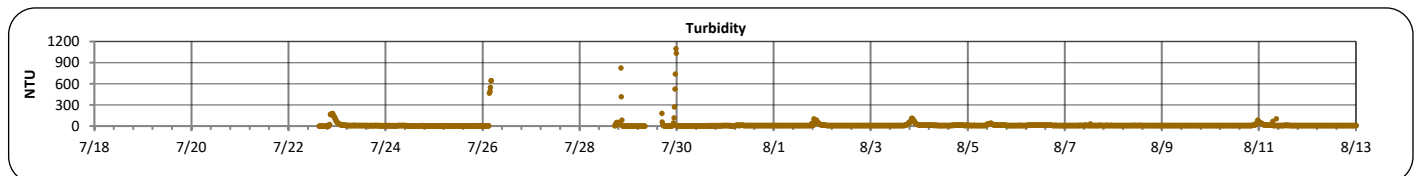
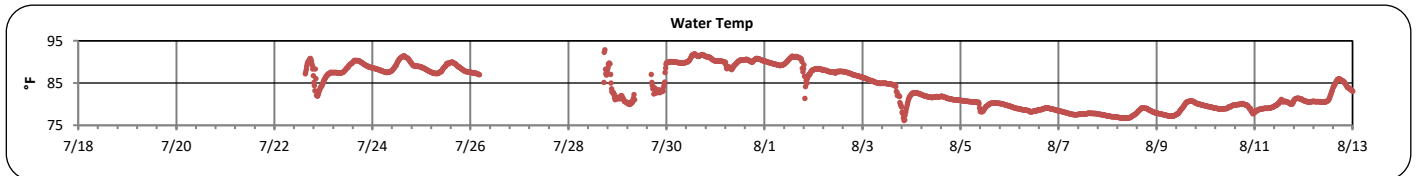
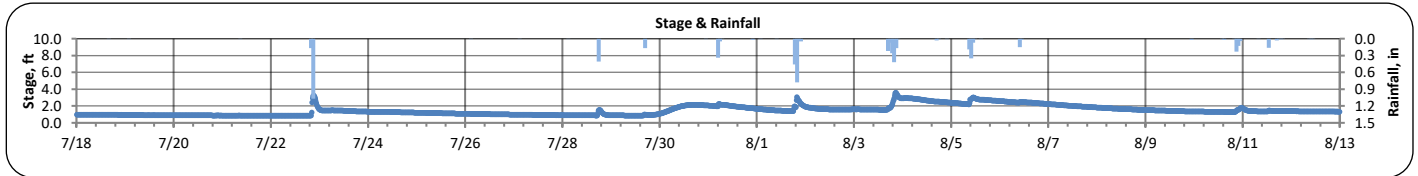




# Continuous Water Quality Monitoring Periodic Report

Gills Creek A (July 18, 2025 - August 13, 2025)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	0.9	3.6	1.4	1.5	0.6
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	76	93	82	84	5
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	2	1097	10	17	57
COORDINATES:	34.019826, -80.963566	pH:	5.8	7.0	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.011	0.055	0.043	0.044	0.003
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.9	8.1	7.5	7.4	0.4
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	10						
MAX. DAILY RAINFALL:	1.3 inches						
TOTAL RAINFALL (FOR PERIOD):	6.4 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality  
Monitoring Periodic Report**

**Gills Creek A (July 18, 2025 - August 13, 2025)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:** One wet weather sample was collected during this monitoring period.

Analyte (units)	Sample 1							
	8/11/2025							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:45	320						
Total Suspended Solids (mg/L)								
Lead (mg/L)								
Hardness (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred on 7/16-7/18. Data gap present in all water quality parameters from 7/18-7/22 and 7/26-7/28 due to sonde impaction from sediment. Additional data gap is all water quality parameters on 7/29 due to partial sonde unsubmergence.

Potential Illicit Discharges and Abnormal Events:

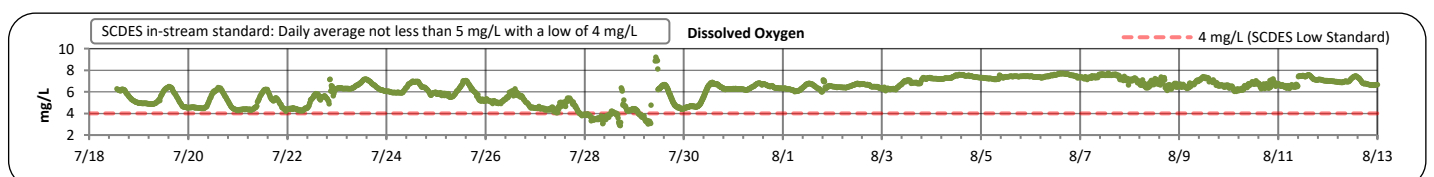
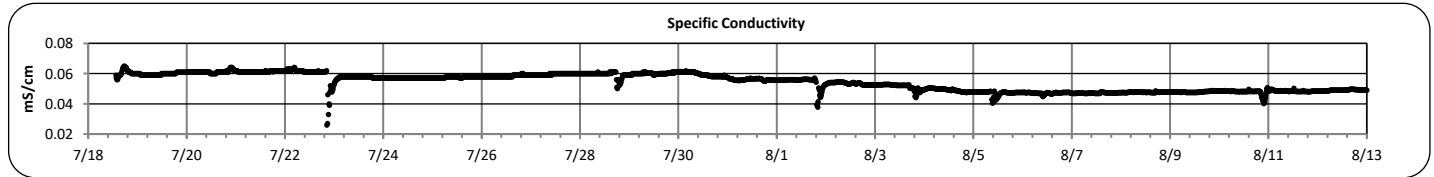
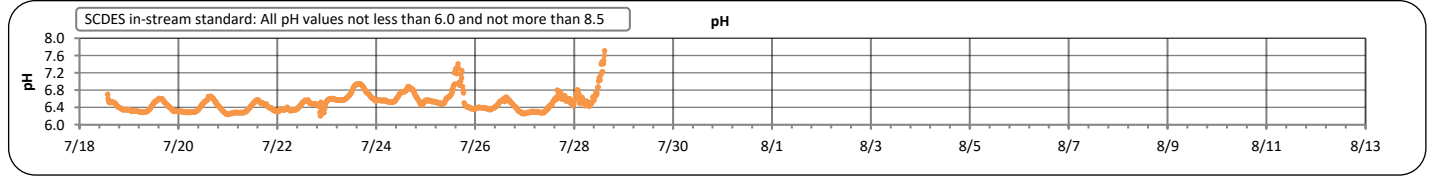
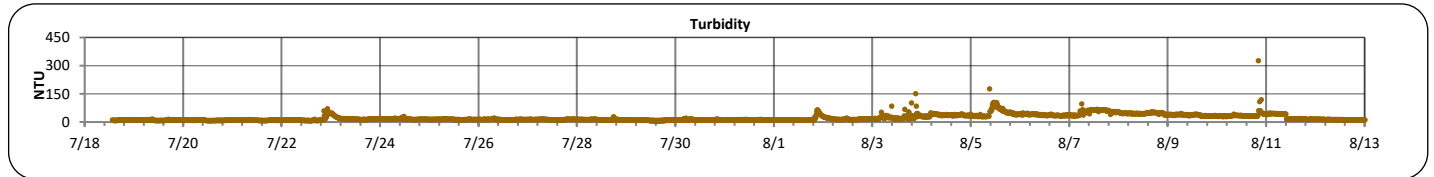
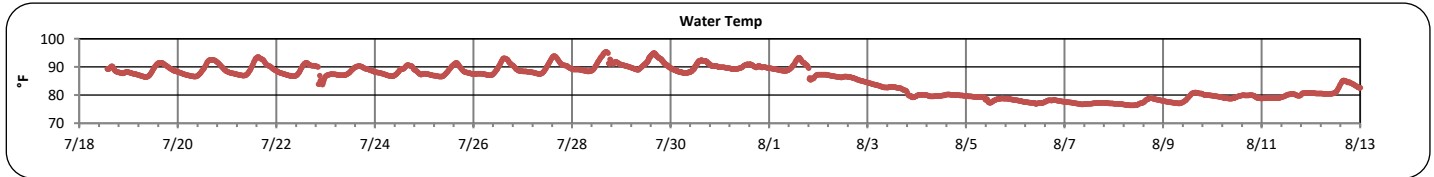
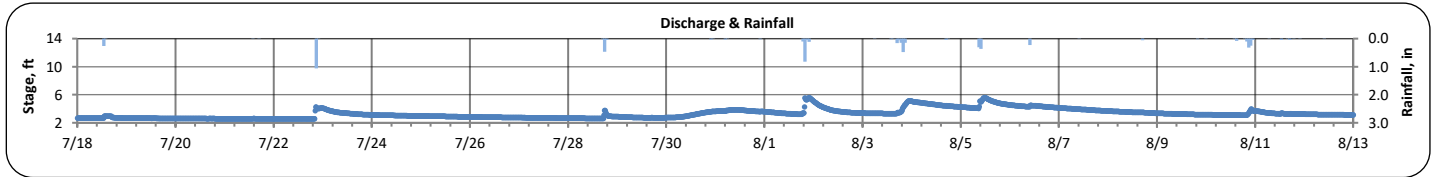
Potential illicit discharge visible in all water quality parameters, excluding temperature, on 7/30 due to an unknown source.



# Continuous Water Quality Monitoring Periodic Report

Gills Creek B (July 18, 2025 - August 13, 2025)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.6	5.6	3.1	3.3	0.6
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	76	95	87	86	5
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	8	326	15	23	17
COORDINATES:	33.989656, -80.97433	pH:	6.2	7.7	6.5	6.5	0.2
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.026	0.065	0.057	0.055	0.006
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	2.9	9.3	6.4	6.2	1.1
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	1.1 inches						
TOTAL RAINFALL (FOR PERIOD):	6.1 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality  
Monitoring Periodic Report**

**Gills Creek B (July 18, 2025 - August 13, 2025)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:** Two wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2					
	8/11/2025		8/11/2025					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:45	218	11:46	124				
Total Suspended Solids (mg/L)	10:45	14.0	11:46	13.3				
Lead (mg/L)	10:45	0.003	11:46	0.003				
Hardness (mg/L)	10:45	12.0	11:46	12.0				

**Notes:**

Data Gaps

Calibration period occurred on 7/16-7/18. Data gap observed in pH data from 7/29-8/13 due to sensor malfunction and maintenance.

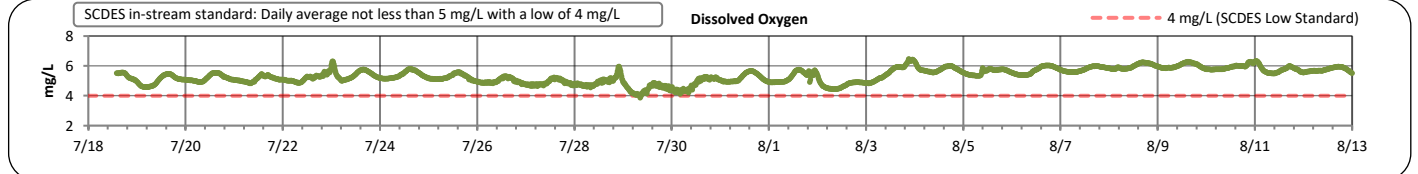
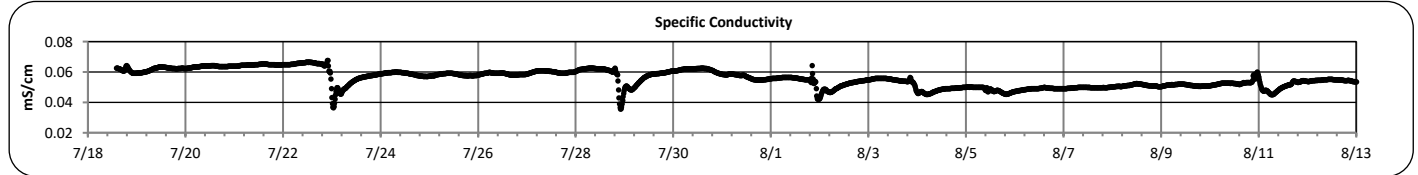
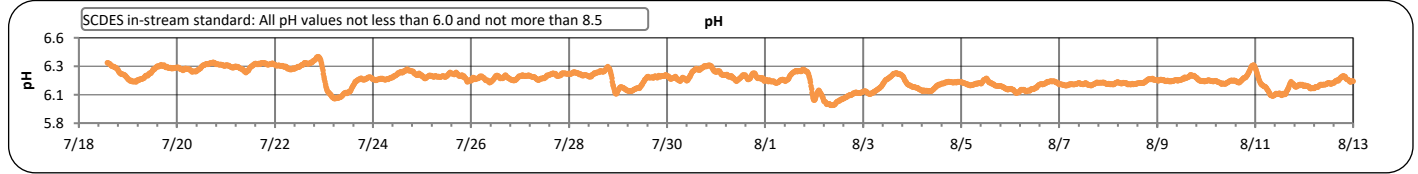
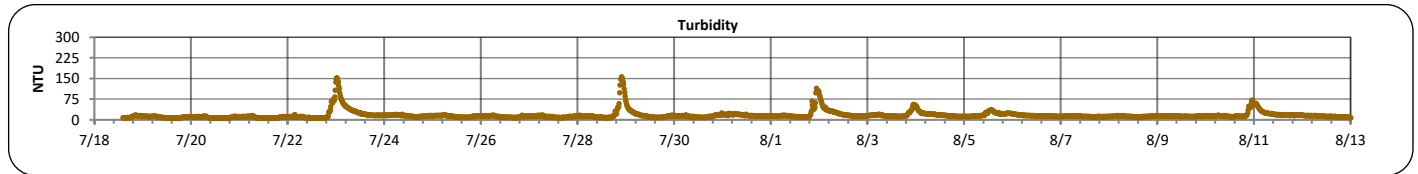
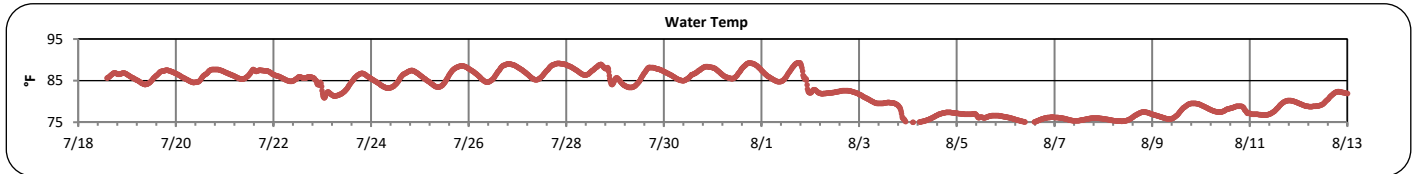
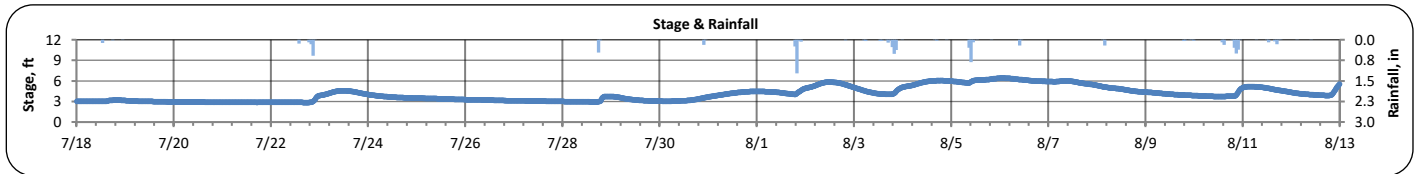
Potential Illicit Discharges and Abnormal Events:

No potential illicit discharge events visible during this monitoring period.

## Continuous Water Quality Monitoring Periodic Report

Gills Creek C (July 18, 2025 - August 13, 2025)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.9	7.2	3.8	4.1	1.1
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	75	89	84	83	5
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	6	156	14	17	15
COORDINATES:	33.948043, -80.98889	pH:	6.0	6.4	6.2	6.2	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.036	0.068	0.056	0.056	0.006
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	3.9	6.5	5.4	5.4	0.5
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	15						
MAX. DAILY RAINFALL:	1.59 inches						
TOTAL RAINFALL (FOR PERIOD):	8.7 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality  
Monitoring Periodic Report**

**Gills Creek C (July 18, 2025 - August 13, 2025)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:** Two wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2					
	8/11/2025		8/11/2025					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:10	874	12:12	270				
Total Suspended Solids (mg/L)	11:10	14.9	12:12	19.1				
Lead (mg/L)	11:10	0.003	12:12	0.003				
Hardness (mg/L)	11:10	12.0	12:12	12.0				

**Notes:**

Data Gaps

Calibration period occurred on 7/16-7/18. No data gaps occurred during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

No potential illicit discharge events observed during this monitoring period.