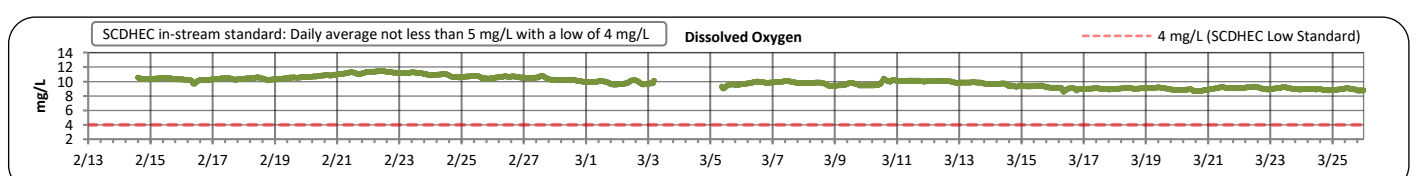
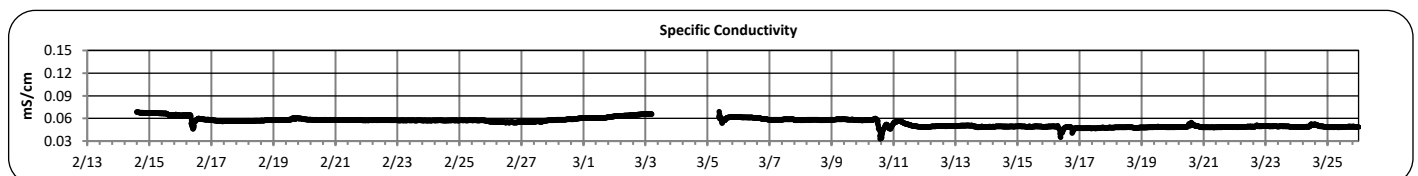
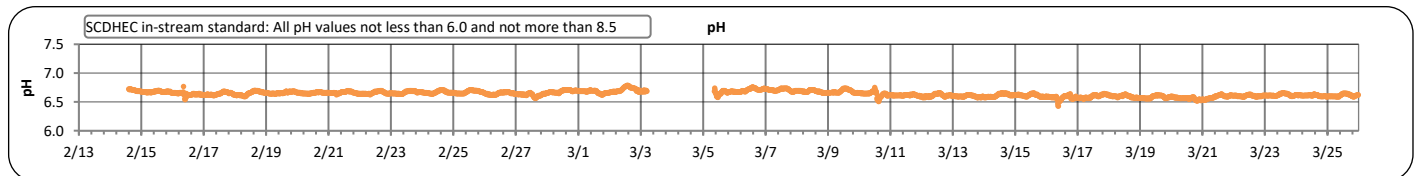
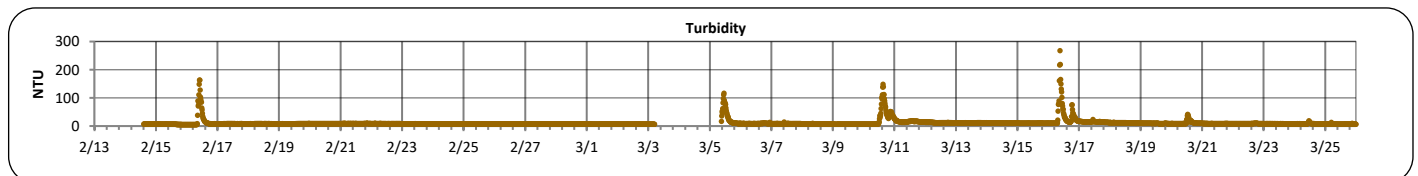
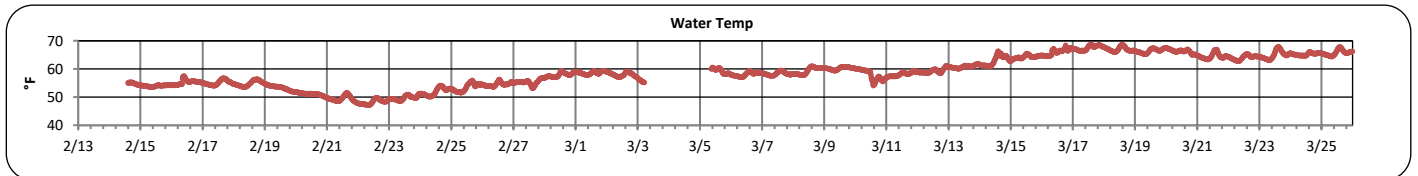
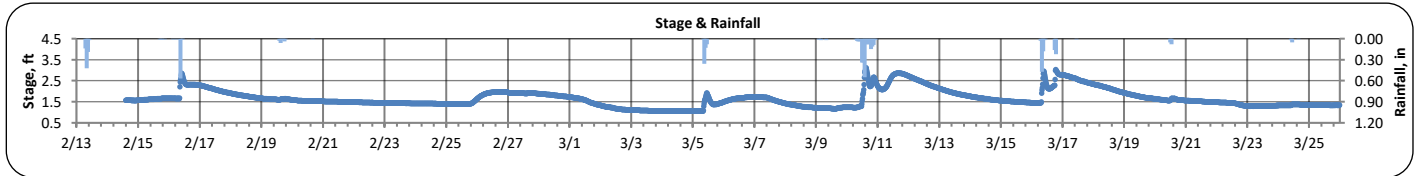


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (February 13, 2025 - March 26, 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):	1.1	3.1	1.6	1.7	0.4
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	47	69	59	59	6
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	6	268	9	12	14
COORDINATES:	34.019826, -80.963566	pH:	6.4	6.8	6.6	6.6	0.0
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.033	0.069	0.057	0.055	0.006
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	8.6	11.5	9.9	9.9	0.7
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	2.0 inches						
TOTAL RAINFALL (FOR PERIOD):	5.5 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 (February 13, 2025 - March 26, 2025)

Explanation of Statistics:

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

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

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	2/19/2025		2/19/2025		2/19/2025		3/24/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	1:10	74	2:20	97	3:20	75	1:15	290
Total Suspended Solids (mg/L)	1:10	6.5	2:20	5.6	3:20	6.4	1:15	6.6
Lead (mg/L)	1:10	0.002	2:20	0.002	3:20	0.002		
Hardness (mg/L)	1:10	11	2:20	11	3:20	12		

Notes:

Data Gaps

Calibration period occurred from 2/12-2/14. Gap in all data from 3/3-3/5 due to partial unsubmergence.

Potential Illicit Discharges and Abnormal Events:

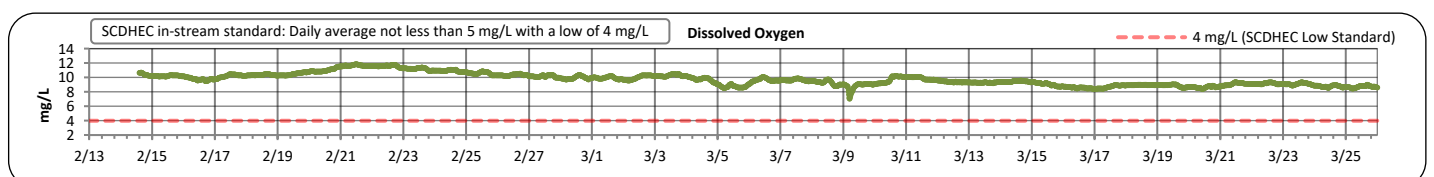
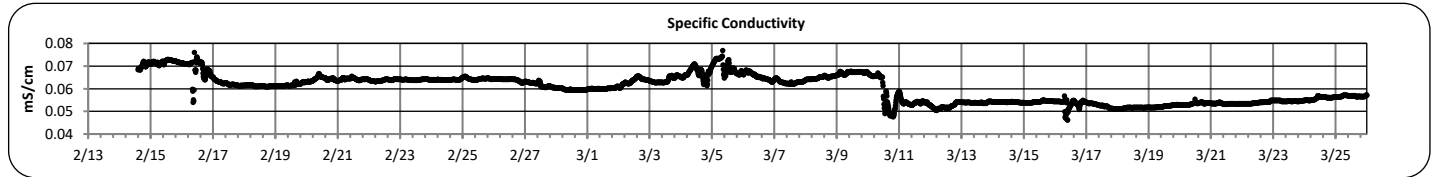
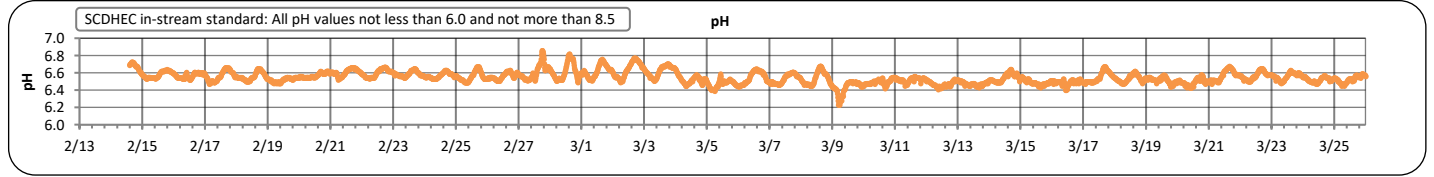
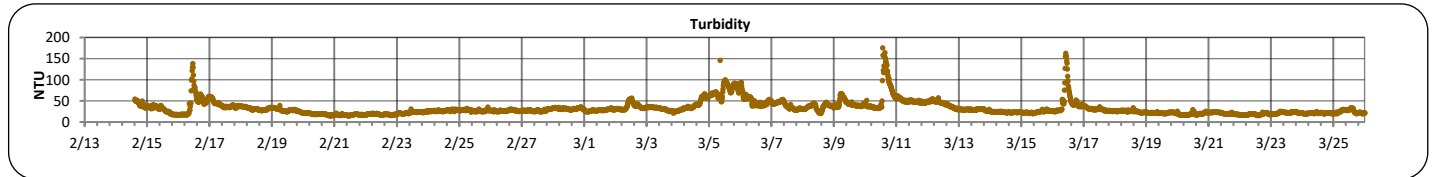
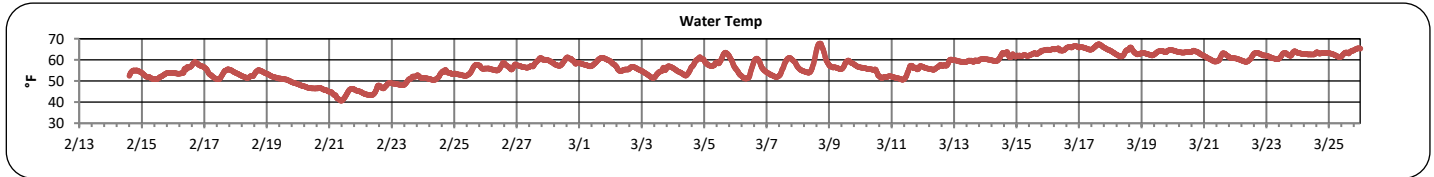
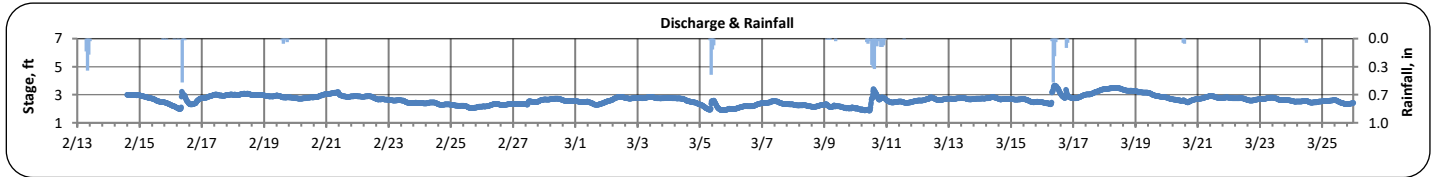
No potential illicit discharge events visible during this monitoring period.

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 (February 13, 2025 - March 26, 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):	1.9	3.7	2.7	2.6	0.3
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	41	68	57	57	6
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	15	175	28	33	17
COORDINATES:	33.989656, -80.97433	pH:	6.2	6.9	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.046	0.077	0.062	0.060	0.006
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.1	11.9	9.7	9.8	0.9
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.6 inches						
TOTAL RAINFALL (FOR PERIOD):	5.0 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 (February 13, 2025 - March 26, 2025)

Explanation of Statistics:

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

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

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	2/19/2025		2/19/2025		2/19/2025		3/24/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	2:05	145	3:05	231	12:55	110	1:00	82
Total Suspended Solids (mg/L)	2:05	25.3	3:05	26.0	12:55	67.3	1:00	32.0
Lead (mg/L)	2:05	0.003	3:05	0.003	12:55	0.003		
Hardness (mg/L)	2:05	15	3:05	13	12:55	13.00		

Notes:

Data Gaps

Calibration period occurred from 2/12-2/14.

Potential Illicit Discharges and Abnormal Events:

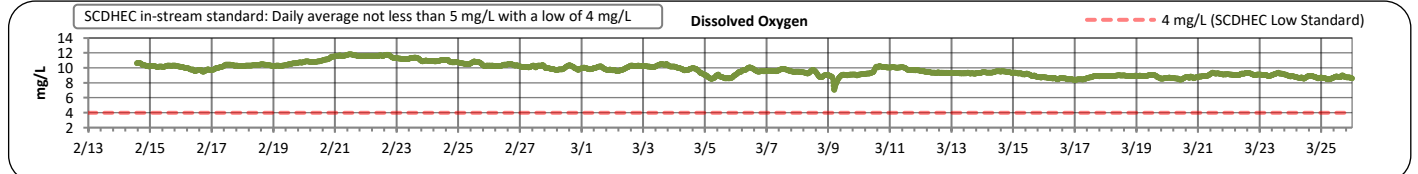
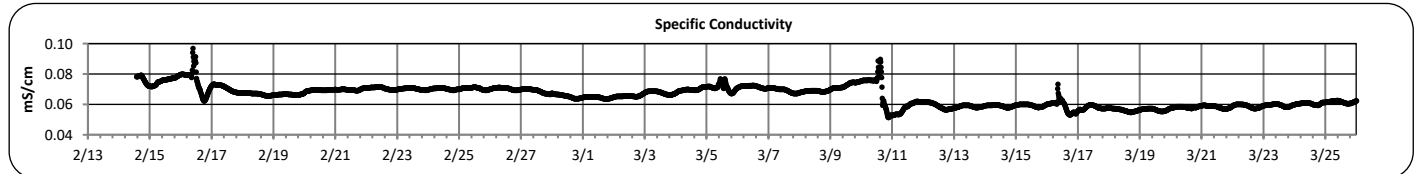
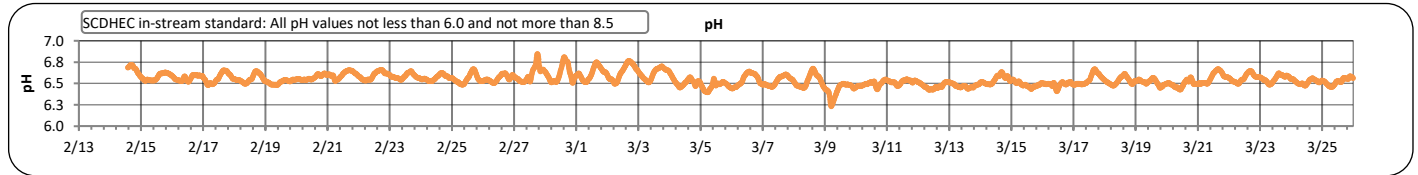
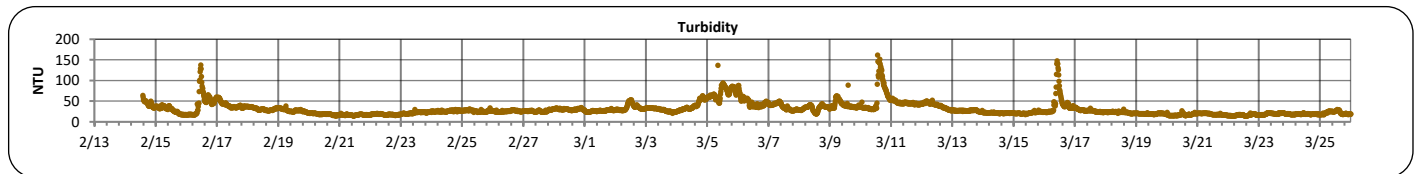
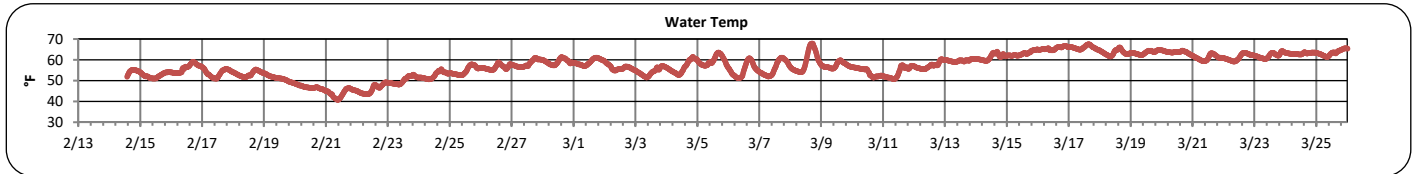
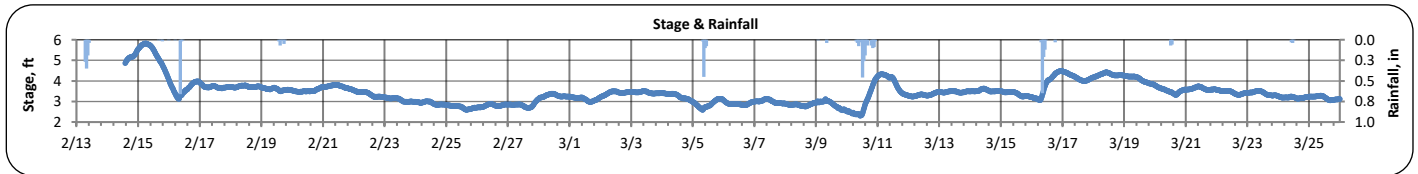
Potential illicit discharge event visible in turbidity and specific conductivity data on 3/2 during this monitoring period source unknown.

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 (February 13, 2025 - March 26, 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):	2.3	5.8	3.4	3.4	0.6
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	41	68	57	57	6
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	14	162	27	31	16
COORDINATES:	33.948043, -80.9889	pH:	6.2	6.9	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.051	0.097	0.067	0.065	0.006
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.1	11.9	9.7	9.8	0.8
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	2						
MAX. DAILY RAINFALL:	1.48 inches						
TOTAL RAINFALL (FOR PERIOD):	5.2 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 (February 13, 2025 - March 26, 2025)

Explanation of Statistics:

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

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

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	2/19/2025		2/19/2025		2/19/2025		3/24/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:20	108	13:35	133	15:15	131	12:40	62
Total Suspended Solids (mg/L)	12:20	8.7	13:35	10.0	15:15	9.4		
Lead (mg/L)	12:20	*ND	13:35	*ND	15:15	*ND		
Hardness	12:20	14	13:35	14	15:15	14		

*Analyte not detected in amounts exceeding the minimum detection limit of 0.0001 mg/L.

Notes:

Data Gaps

Calibration period occurred from 2/12-2/14.

Potential Illicit Discharges and Abnormal Events:

No potential illicit discharge events visible during this monitoring period.

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