Kinley Creek A (November 8, 2023 - December 18, 2023)

		SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	2.4	0.4	0.5	0.3	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	49	66	58	57	4	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	3	144	7	10	8	
TMDL/IMPAIRMENT:	Fecal Coliform	TONDION (ACCO).	Ů		,	10	Ů	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	7.1	6.9	6.9	0.1	
SPATIAL LOCATION:	Most upstream site	pri.	0.0	7.1	0.9	0.9	0.1	
TOTAL NO. STORMS OVER 0.1 INCH:	4	SPECIFIC CONDUCTIVITY (mS/cm):	0.041	0.115	0.098	0.096	0.007	
MAX. DAILY RAINFALL:	2.3 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	3.7 inches	(mg/L):	5.2	10.6	8.7	8.3	1.3	
		Stage & Rain	fall	•	•	•	•	
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# 4							0.5	
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7.5 SCDHEC in-stream standard	11/14 11/16 11/18 11/20	Turbidit	y					
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F 180 120 120 120 120 120 120 120 120 120 12	11/14 11/16 11/18 11/20	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 PH	11/30 12/2	12/4 12/6 1	2/8 12/10 12/1	12 12/14 12/16		
7.5 SCDHEC in-stream standard	11/14 11/16 11/18 11/20 :: d: All pH values not less than 6.0 and not	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 pH 22 11/24 11/26 11/28 1	11/30 12/2	12/4 12/6 1	2/8 12/10 12/1	12 12/14 12/16	12/18	
7.5 SCDHEC in-stream standard 11/18 11/10 11/12 1	11/14 11/16 11/18 11/20 :: d: All pH values not less than 6.0 and not	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 PH	11/30 12/2	12/4 12/6 1	2/8 12/10 12/1	12 12/14 12/16	12/18	
7.5 SCDHEC in-stream standard 11/18 11/10 11/12 1	11/14 11/16 11/18 11/20 :: d: All pH values not less than 6.0 and not	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 pH 22 11/24 11/26 11/28 1	11/30 12/2	12/4 12/6 1	2/8 12/10 12/1	12 12/14 12/16	12/18	
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180 120 11/8 11/10 11/12 7.5 11/8 11/10 11/12 1 11/8 11/10 11/12 1	11/14 11/16 11/18 11/20 11/14 11/16 11/18 11/20 11/14 11/16 11/18 11/20 11/1	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 pH 22 11/24 11/26 11/28 1 Specific Con	11/30 12/2 11/30 12/2 12 ductivity	12/4 12/6 1 /4 12/6 12/8	2/8 12/10 12/1 3 12/10 12/12	12/14 12/16	12/18	
7.5 SCDHEC in-stream standard 11/8 11/10 11/12 1	11/14 11/16 11/18 11/20 11/14 11/16 11/18 11/20 11/14 11/16 11/18 11/20 11/1	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 pH Specific Con 11/22 11/24 11/26 11/28 1	11/30 12/2 11/30 12/2 12 ductivity	12/4 12/6 1 /4 12/6 12/8	2/8 12/10 12/1 3 12/10 12/12	12/14 12/16	12/18	
7.5 SCDHEC in-stream standard 11/18 11/10 11/12 1 8 11/10 11/12 1 SCDHEC in-stream standard 11/18 11/10 11/12 1 SCDHEC in-stream standard 11/18 11/10 11/12 1	11/14 11/16 11/18 11/20 11/14 11/16 11/18 11/20 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14 11/14 11/16 11/18 11/20 11/14	Turbidit 11/22 11/24 11/26 11/28 more than 8.5 pH Specific Con 11/22 11/24 11/26 11/28 1	11/30 12/2 12 1/30 12/2 12 ductivity	12/4 12/6 1 /4 12/6 12/8	2/8 12/10 12/1 3 12/10 12/12	12/14 12/16	12/18	
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Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Kinley Creek A (November 8, 2023 - December 18, 2023)

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:

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:45	452	9:15	>48392	10:20	5,000	15:32	3,110
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

Notes:

Data Gaps

There was a gap in stage data from 11/8 to 11/13 and a gap in rain data from 11/9 to 12/6 due to an instrument communication malfunction.

Potential Illicit Discharges and Abnormal Events:

There are no abnormal events at the KINA station during this period.

Kinley Creek B (November 8, 2023 - December 18, 2023)

		SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	4.1	0.4	0.5	0.4
LOCATION:	Broken Hill Rd						
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	45	66	56	56	5
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	2	259	7	10	11
TMDL/IMPAIRMENT:	Fecal Coliform	TORBIDITY (NTO).	2	259	7	10	11
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	7.4	7.0	7.0	0.1
SPATIAL LOCATION:	Most downstream site		0.0				5 1.
TOTAL NO. STORMS OVER 0.1 INCH:	4	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	0.185	0.102	0.098	0.024
MAX. DAILY RAINFALL:	2.3 inches	DISSOLVED OXYGEN		40.0			
TOTAL RAINFALL (FOR PERIOD):	3.7 inches	(mg/L):	4.3	12.3	9.0	8.8	1.3
		Stage & Rainfa	all				
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		Turbidity	,				
200					•		
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7.5 SCDHEC in-stream stand	dard: All pH values not less than 6.0 and not	t more than 8.5 pH					
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6.5					N.		
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SCDHEC in-stream star	ndard: Daily average not less than 5 mg/L w	ith a low of 4 mg/L Dissolved	Oxygen			4 mg/L (SCDHEC I	ow Standard)
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10 E 5		•					
0   11/8 11/10 11/12	11/14 11/16 11/18 11/20 11	1/22 11/24 11/26 11/28	11/30 12/2	12/4 12/6 1	12/8 12/10 12,	/12 12/14 12/1	6 12/18

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

Kinley Creek B (November 8, 2023 - December 18, 2023)

## **Explanation of Statistics:**

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
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STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

## Sampled Data:

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:05	242	9:30	5,820	10:05	7,310	15:13	2,090
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

#### **Notes:**

#### **Data Gaps**

There was a gap in stage data from 11/8 to 11/13 and a gap in rain data from 11/9 to 12/6 due to an instrument communication malfunction.

## Potential Illicit Discharges and Abnormal Events:

There were periods of increased specific conductivity from 11/13 through 11/21 which may have been the result of illicit discharges.