Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (August 23, 2023 - October 3, 2023)

		CONTINUOUS		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	2.0	0.4	0.5	0.2	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	-	-	-	-	-	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	_	_	_	_	_	
TMDL/IMPAIRMENT:	Fecal Coliform							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	_	-	-	-	-	
SPATIAL LOCATION:	Most upstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	-	-	-	-	-	
MAX. DAILY RAINFALL:	1.6 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	6.2 inches	(mg/L):	` -	-	-	-	-	
4		Stage & Rai	nfall				0.0	
# 3	PV						0.0 0.5 1.0 1.5	
2 2 0	i/	<u> </u>					1.5	
	8/29 8/31 9/2 9/4 9/	6 9/8 9/10 9/12 9	/14 9/16 9/18	3 9/20 9/22	9/24 9/26	9/28 9/30 10	0/2 10/4	
95		Water Te	mp					
63								
₩ 75								
65								
65	8/29 8/31 9/2 9/4 9/	6 9/8 9/10 9/12 9	/14 9/16 9/18	8 9/20 9/22	9/24 9/26	9/28 9/30 1	0/2 10/4	
65 55 8/23 8/25 8/27	8/29 8/31 9/2 9/4 9/	6 9/8 9/10 9/12 9		8 9/20 9/22	9/24 9/26	9/28 9/30 1	10/2 10/4	
65 55 8/23 8/25 8/27	8/29 8/31 9/2 9/4 9/			8 9/20 9/22	9/24 9/26	9/28 9/30 1	00/2 10/4	
65 8/23 8/25 8/27 200 100	8/29 8/31 9/2 9/4 9/			8 9/20 9/22	9/24 9/26	9/28 9/30 1	10/4	
65 8/23 8/25 8/27 200 200							10/2 10/4	
8/23 8/25 8/27 B 300 100 0		Turbidi	ty					
8.5 SCDHEC in-stream standar		Turbidi	ty					
8.5 SCDHEC in-stream standar	8/29 8/31 9/2 9/4	Turbidi	ty					
8/23 8/25 8/27 300 200 100 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 8.0 7.5 6.5	8/29 8/31 9/2 9/4	Turbidi	ty					
8.5 8/23 8/25 8/27 200 100 0 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 7.5 7.5 6.0	8/29 8/31 9/2 9/4	9/6 9/8 9/10 9/12	ty	18 9/20 9/22		9/28 9/30		
8.5 8/23 8/25 8/27 200 100 0 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 7.5 7.5 6.0 6.5 6.0	8/29 8/31 9/2 9/4 rd: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH	9/14 9/16 9/1 9/14 9/16 9/1	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8.5 SCDHEC in-stream standar 8.5 7.5 7.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6	8/29 8/31 9/2 9/4 rd: All pH values not less than 6.0 and no	9/6 9/8 9/10 9/12	9/14 9/16 9/1 9/14 9/16 9/1	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8.5 8/23 8/25 8/27 200 0 8/23 8/25 8/27 8.5 SCDHEC in-stream standar 8.5 7.5 7.5 6.5 6.0 8/23 8/25 8/27	8/29 8/31 9/2 9/4 rd: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH	9/14 9/16 9/1 9/14 9/16 9/1	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8/23 8/25 8/27 300 200 100 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 8.7 7.0 6.5 6.0 8/23 8/25 8/27	8/29 8/31 9/2 9/4 rd: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH	9/14 9/16 9/1 9/14 9/16 9/1	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
65 8/23 8/25 8/27 200 100 0 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 7.5 6.5 6.0 8/23 8/25 8/27	8/29 8/31 9/2 9/4 rd: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH	9/14 9/16 9/3 9/14 9/16 9/1 0/14 9/16 9/1	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8.5 8/23 8/25 8/27 200 0 0 8/23 8/25 8/27 8.5 SCDHEC in-stream standar 8.5 7.5 7.5 7.5 7.5 7.5 7.5 7.0 6.5 6.0 8/23 8/25 8/27 8/23 8/25 8/27	8/29 8/31 9/2 9/4 Td: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH Specific Cor 9/6 9/8 9/10 9/12	9/14 9/16 9/1 9/14 9/16 9/1 aductivity 9/14 9/16 9/1	8 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8/23 8/25 8/27 300 200 100 0 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 8.0 7.0 6.5 8/23 8/25 8/27 SCDHEC in-stream standar 8.5 8.0 8/23 8/25 8/27	8/29 8/31 9/2 9/4 rd: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH Specific Cor 9/6 9/8 9/10 9/12	9/14 9/16 9/3 9/14 9/16 9/1 0/14 9/16 9/1	8 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8.5 8/23 8/25 8/27 200 100 8/23 8/25 8/27 E	8/29 8/31 9/2 9/4 Td: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH Specific Cor 9/6 9/8 9/10 9/12	9/14 9/16 9/1 9/14 9/16 9/1 aductivity 9/14 9/16 9/1	8 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	
8.5 8/23 8/25 8/27 200	8/29 8/31 9/2 9/4 Td: All pH values not less than 6.0 and no	Turbidi 9/6 9/8 9/10 9/12 t more than 8.5 pH Specific Cor 9/6 9/8 9/10 9/12	9/14 9/16 9/1 9/14 9/16 9/1 aductivity 9/14 9/16 9/1	8 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4	

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

Kinley Creek A (August 23, 2023 - October 3, 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: All grab samples were collected during wet weather conditions

	Sample 1		Sample 2		Sample 3		
Analyte (units)	8/30/2023		8/30/2023		8/30/2023		
	Time	Results	Time	Results	Time	Results	
Escherichia coli (MPN/100mL)	10:35	10,300	13:20	16,300	15:10	14,500	
Total Suspended Solids (mg/L)							
Total Phosphorus (mg/L)							
Total Nitrogen (mg/L)							

Notes:

Data Gaps

No continuous water quality data was collected during this sampling period due to instrument malfunction, awaiting new sensors.

Potential Illicit Discharges and Abnormal Events:

N/A

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (August 23, 2023 - October 3, 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):	0.2	3.0	0.4	0.5	0.4
LOCATION:	Broken Hill Rd						
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	-	-	-	-	-
COORDINATES:	34.06635, -81.159986	TURRIDITY (NTU).	_		_	_	
TMDL/IMPAIRMENT:	Fecal Coliform	TURBIDITY (NTU):	-	-	-	-	-
NEIGHBORING LANDUSE:	Residential and commercial	pH:	-	_	<u>-</u>	_	-
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	-	-	-	-	-
MAX. DAILY RAINFALL:	1.6 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	6.2 inches	(mg/L):	-	-	-	-	-
		Stage & Rainfa	all	•	-	*	
# 6	1' 1						0.0
# 6 4 e g							1.0 Line 1.5
8/23 8/25 8/27 8	8/29 8/31 9/2 9/4 9/6	9/8 9/10 9/12 9/1	4 9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/30 10	2.0
		Water Tem	р				
85							
70							
8/23 8/25 8/27	8/29 8/31 9/2 9/4 9/6	9/8 9/10 9/12 9/2	14 9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/30 1	0/2 10/4
		Turbidity					
150 100							
F 50							
8/23 8/25 8/27	8/29 8/31 9/2 9/4 9	/6 9/8 9/10 9/12 9	9/14 9/16 9/2	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4
	ird: All pH values not less than 6.0 and no	t more than 8.5 pH					
8.0 7.5							
표 7.0 6.5							
8/23 8/25 8/27	8/29 8/31 9/2 9/4 9/	5 9/8 9/10 9/12 9/	14 9/16 9/1	8 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4
0.20		Specific Cond	luctivity				
B 0.15 0.10 0.05							
0.05 0.00 8/23 8/25 8/27	8/29 8/31 9/2 9/4 9	/6 9/8 9/10 9/12 9	0/14 9/16 9/2	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4
CCDUEC in abroom -t	dard: Daily average not less than Extent	with a low of 4 mg/l					
10 8	dard: Daily average not less than 5 mg/L	Dissolved	Oxygen			- 4 mg/L (SCDHEC Lo	w Standard)
7/8E 4							
2 0	0/20 0/24 0/2 0/4	/5 0/0 0/22 2/25	1/14 0/15 5/	10 0/20 2/22	0/24 0/55	0/20 0/22	10/2 10/2
8/23 8/25 8/27	8/29 8/31 9/2 9/4 9	/6 9/8 9/10 9/12 9	9/14 9/16 9/	18 9/20 9/22	9/24 9/26	9/28 9/30	10/2 10/4

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	Sample 1		Sample 2		Sample 3		
Analyte (units)	8/30/2023		8/30/2023		8/30/2023		
	Time	Results	Time	Results	Time	Results	
Escherichia coli (MPN/100mL)	10:58	452	13:45	2,790	15:24	5,510	
Total Suspended Solids (mg/L)							
Total Phosphorus (mg/L)							
Total Nitrogen (mg/L)							

Notes:

Data Gaps

No continuous water quality data was collected during this sampling period due to instrument malfunction, awaiting new sensors.

Potential Illicit Discharges and Abnormal Events:

N/A