Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (January 5, 2022 - February 9, 2022)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.4	1.9	0.6	0.7	0.2	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	41	60	47	48	4	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	-	_	-	_	-	
TMDL/IMPAIRMENT:	Fecal Coliform							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.4	6.9	6.7	6.7	0.1	
SPATIAL LOCATION:	Most upstream site		0. .	0.0		0		
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	0.040	0.294	0.106	0.121	0.039	
MAX. DAILY RAINFALL:	1.4 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	4.2 inches	OXYGEN (mg/L):	8.6	12.1	10.6	10.4	0.6	
4	-	Stage & Rainf	all	7		-	0.0	
# 3 % 2 5 1 0	1/11 1/13 1/15 1/17	1/19 1/21 1/23	1/25 1/27	1/29 1/31	2/2 2/4	2/6 2/8	0.2 0.4 0.6 0.8 3 2/10	
1/5 1/7 1/9 70 60 60 50 1/5 1/7 1/9 Turbidity data not availa 300 1/5 1/7 1/9	1/11 1/13 1/15 1/17 Table because the sensor was out for repairs	1/19 1/21 1/23 Turbidity	1/25 1/27	1/29 1/31 7 1/29 1/3	2/2 2/4		8 2/10	
Turbidity data not availa 400 1/5 1/7 1/9 Turbidity data not availa 300 1/5 1/7 1/9 SCDHEC in-stream standar 6.8	1/11 1/13 1/15 1/17 Table because the sensor was out for repairs	7 1/19 1/21 1/23 Turbidity 7 1/19 1/21 1/23	1/25 1/27	7 1/29 1/3	2/2 2/4	4 2/6 2/		
Turbidity data not availa 400 200 1/5 1/7 1/9 SCDHEC in-stream standar 6.8 6.4 6.2 1/5 1/7 1/9	1/11 1/13 1/15 1/17 able because the sensor was out for repairs 1/11 1/13 1/15 1/1 1/11 1/13 1/15 1/1	7 1/19 1/21 1/23 Turbidity 7 1/19 1/21 1/23	1/25 1/27	7 1/29 1/3	2/2 2/4	4 2/6 2/	8 2/10	
Turbidity data not availa 400 1/5 1/7 1/9 Turbidity data not availa 200 100 1/5 1/7 1/9 CCDHEC in-stream standar 6.8 6.4 6.2 1/5 1/7 1/9	1/11 1/13 1/15 1/17 able because the sensor was out for repairs 1/11 1/13 1/15 1/1 1/11 1/13 1/15 1/1	7 1/19 1/21 1/23 Turbidity 7 1/19 1/21 1/23	1/25 1/27	7 1/29 1/3	2/2 2/4	4 2/6 2/	8 2/10	
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Turbidity data not availa 400 1/5 1/7 1/9 Turbidity data not availa 400 100 1/5 1/7 1/9 SCDHEC in-stream standar 7.0 6.8 6.6 6.4 6.2 1/5 1/7 1/9	1/11 1/13 1/15 1/17 tible because the sensor was out for repairs 1/11 1/13 1/15 1/1 d: All pH values not less than 6.0 and not m 1/11 1/13 1/15 1/17	Water Tem 1/19 1/21 1/23 Turbidity 7 1/19 1/21 1/23 Specific Conc 7 1/19 1/21 1/23	1/25 1/27 1/25 1/27 1/25 1/27	7 1/29 1/3	1 2/2 2/	4 2/6 2/	/8 2/10	
Turbidity data not availa 400 1/5 1/7 1/9 Turbidity data not availa 400 1/5 1/7 1/9 CCDHEC in-stream standar 6.8 6.6 6.4 6.2 1/5 1/7 1/9 CCDHEC in-stream standar 1/5 1/7 1/9	1/11 1/13 1/15 1/17 ible because the sensor was out for repairs 1/11 1/13 1/15 1/1 id: All pH values not less than 6.0 and not make the sensor was out for repairs 1/11 1/13 1/15 1/17	Water Tem 1/19 1/21 1/23 Turbidity 7 1/19 1/21 1/23 Specific Conc 7 1/19 1/21 1/23	1/25 1/27 1/25 1/27 1/25 1/27 4uctivity	7 1/29 1/3	1 2/2 2/	4 2/6 2/	/8 2/10	
Turbidity data not availa 400 300 1/5 1/7 1/9 Turbidity data not availa 200 1/5 1/7 1/9 SCDHEC in-stream standar 7.0 6.8 6.6 6.4 6.2 1/5 1/7 1/9	1/11 1/13 1/15 1/17 tible because the sensor was out for repairs 1/11 1/13 1/15 1/1 d: All pH values not less than 6.0 and not m 1/11 1/13 1/15 1/17	Water Tem 1/19 1/21 1/23 Turbidity 7 1/19 1/21 1/23 Specific Conc 7 1/19 1/21 1/23	1/25 1/27 1/25 1/27 1/25 1/27 4uctivity	7 1/29 1/3	1 2/2 2/	4 2/6 2/	/8 2/10	

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

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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: No grab samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

Turbidity data was not collected during this monitoring period at KINA due to sensor repairs.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on January 20th and 24th, which may have been the result of illicit discharges.

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (January 5, 2022 - February 9, 2022)

		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	2.8	0.5	0.6	0.3
LOCATION:	Broken Hill Rd						
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	38	60	47	47	4
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	-	_	-	-	-
TMDL/IMPAIRMENT:	Fecal Coliform	TOKBIBITT (NTO).	-	_	-	_	_
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.5	7.2	6.8	6.8	0.1
SPATIAL LOCATION:	Most downstream site		0.0				
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	0.022	0.469	0.119	0.128	0.043
MAX. DAILY RAINFALL:	1.4 inches	DISSOLVED OXYGEN		40.0	40.0	40.4	
TOTAL RAINFALL (FOR PERIOD):	4.2 inches	(mg/L):	6.7	12.9	10.3	10.1	0.9
<u>, </u>		Stage & Rainfa	II				
9E 200 1/5 1/7 1/5 SCDHEC in-stream stands 7.4 7.2 7.0 6.8	1/11 1/13 1/15 1/17 1/11 1/13 1/15 1/17 able because the sensor was out for repair 1/11 1/13 1/15 1/ ird: All pH values not less than 6.0 and not	Water Temp 1/19 1/21 1/23 Turbidity 17 1/19 1/21 1/23	1/25 1/27	1/29 1/31	2/2 2/4		0.2
6.6	<u> </u>		4/25 4/27			*****	
1/5 1/7 1/9	1/11 1/13 1/15 1/1	7 1/19 1/21 1/23 Specific Cond	1/25 1/27 uctivity	1/29 1/31	. 2/2 2/-	4 2/6 2	/8 2/10
0.5 8 0.4 8 0.3	1/11 1/13 1/15 1/1			1/29 1/31	. 2/2 2/	4 2/6 2	/8 2/10
# 0.5 0.4 0.3 24 0.2	1/11 1/13 1/15 1/1			1/29 1/31	. 2/2 2/	4 2/6 2	/8 2/10
0.5 0.4 0.3	1/11 1/13 1/15 1/1	Specific Cond				~ ~~	/8 2/10
0.5 0.4 0.3 0.2 0.1 0.0 1/5 1/7 1/9		Specific Cond	1/25 1/27		1 2/2 2	~ ~~	2/8 2/10
8 0.5 0.4 0.3 0.0 0.1 0.0 1/5 1/7 1/9	1/11 1/13 1/15 1/	Specific Cond 17 1/19 1/21 1/23 4 mg/L Dissolved	1/25 1/27	7 1/29 1/3	1 2/2 2	4 mg/L (SCDHEC Low	2/8 2/10

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(mg/L)								
Total Nitrogen								
(mg/L)								

Notes:

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