Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (January 11, 2022 - February 15, 2023)

		CONTINUOUS		sui	MARY STATIS	TICS		
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	2.3	0.5	0.7	0.4	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	47	60	51	51	3	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	_	-	_	-	_	
TMDL/IMPAIRMENT:	Fecal Coliform							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	7.3	6.8	6.8	0.1	
SPATIAL LOCATION:	Most upstream site	·						
TOTAL NO. STORMS OVER 0.1 INCH:	9	SPECIFIC CONDUCTIVITY (mS/cm):	0.032	0.166	0.087	0.087	0.019	
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	7.4 inches	(mg/L):	-	-	-	-	-	
6		Stage & Rain	fall	•	•	•	0.0	
# 4	1/17 1/19 1/21 1/2	23 1/25 1/27 1/2	9 1/31 2/	2 2/4	2/6 2/8	2/10 2/12	0.5 1.0 1.5 2/14	
		Water Ter						
£ 50 40 30 1/11 1/13 1/15	1/17 1/19 1/21 1/	23 1/25 1/27 1/2	9 1/31 2/	/2 2/4	2/6 2/8	2/10 2/12	2/14	
	able because the sensor was out for repair	s. Turbidit	v					
			1					
P 200 1/11 1/13 1/1	15 1/17 1/19 1/21	1/23 1/25 1/27 1,	729 1/31	2/2 2/4	2/6 2/8	2/10 2/12	2/14	
P 400 300 1/11 1/13 1/1	rd: All pH values not less than 6.0 and not o		/29 1/31	2/2 2/4	2/6 2/8	2/10 2/12	2/14	
400 300 200 100 0 1/11 1/13 1/1	rd: All pH values not less than 6.0 and not			2/2 2/4	2/6 2/8	2/10 2/12	2/14	
400 300 100 0 1/11 1/13 1/1 6.5 6.5 6.0	rd: All pH values not less than 6.0 and not	more than 8.5 pH	9 1/31 2					
400 300 100 100 0 1/11 1/13 1/15 7.5 6.5 6.5 1/11 1/13 1/15	rd: All pH values not less than 6.0 and not	more than 8.5 pH	9 1/31 2					
7.5 SCDHEC in-stream standar 7.5 6.5 6.0 1/11 1/13 1/15 0.25 0.15 0.15	rd: All pH values not less than 6.0 and not	more than 8.5 pH	9 1/31 2					
7.5 SCDHEC in-stream standar 7.5 6.5 6.0 1/11 1/13 1/15	rd: All pH values not less than 6.0 and not of the state	more than 8.5 pH 23 1/25 1/27 1/2 Specific Con	1/31 2 ductivity				~	
400 300 200 100 1/11 1/13 1/15 E 0.25 0.20 0.15 0.15 0.10 0.15 0.10 0.15 0.10 0.15 0.10 0.11 1/11 1/13 1/15	rd: All pH values not less than 6.0 and not of the state	Specific Con	1/31 2 ductivity	1/2 2/4	2/6 2/8	2/10 2/12	2/14	
400 300 100 1/11 1/13 1/15 E 0.25 6.5 1/11 1/13 1/15 E 0.25 0.05 0.05 0.05 0.05 0.00 1/11 1/13 1/15	1/17 1/19 1/21 1/5 1/17 1/19 1/21 1	Specific Con	1/31 2 ductivity	1/2 2/4	2/6 2/8	2/10 2/12	2/14	

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 samples were collected at KINA during this monitoring period.

Analyte (units)								
Escherichia coli (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

Turbidity and dissolved oxygen data was not collected during this monitoring period at KINA due to sensor repairs. There was also a data gap in spefic conductivity and temperature from 1/30 - 2/2 where the sensor was unsubmerged.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased multiple times during the monitoring period, which may have been the result of illicit discharges.

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (January 11, 2022 - February 15, 2023)

		CONTINUOUS		SUN	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	3.0	0.6	0.7	0.4	
LOCATION:	Broken Hill Rd							
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	43	63	51	52	4	
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	_	_	_	_	_	
TMDL/IMPAIRMENT:	Fecal Coliform							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.4	7.4	7.0	7.0	0.1	
SPATIAL LOCATION:	Most downstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	9	SPECIFIC CONDUCTIVITY (mS/cm):	0.016	0.166	0.088	0.090	0.028	
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	7.4 inches	(mg/L):	-	-	-	-	-	
		Stage & Rain	all					
# 6 T		T		7		T .	0.0	
Stage 2							1.0 Early in 1.5 1.0 2.0	
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 2	2/10 2/12	2.0	
70		Water Ten	np					
60				w	~~~	~~ <u> </u>		
# 50 40								
30 1/11 1/13 1/15	1/17 1/19 1/21 1	/23 1/25 1/27 1/2	9 1/31 2/	2 2/4 2	2/6 2/8	2/10 2/12	2/14	
Turbidity data not avail	able because the sensor was out for rep	aire						
600	able because the sensor was out for rep	airs. Turbidit	<u>/</u>					
H 200								
0		1/02 1/05 1/07	(20. 4/24	2/2	2/5 2/9	2/42	2/44	
1/11 1/13 1/1	5 1/17 1/19 1/21	1/23 1/25 1/27 1,	/29 1/31	2/2 2/4	2/6 2/8	2/10 2/12	2/14	
SCDHEC in-stream standa	rd: All pH values not less than 6.0 and no	ot more than 8.5 pH						
7.5 T 7.0				1 1	1 1			
ቼ 7.0 6.5	- handay		-hu-		-			
표 7.0	1/17 1/19 1/21	1/23 1/25 1/27 1/2	9 1/31 2	/2 2/4	2/6 2/8	2/10 2/12	2/14	
王 7.0 6.5 6.0	1/17 1/19 1/21 1			/2 2/4	2/6 2/8	2/10 2/12	2/14	
¥ 7.0 6.5 6.0 1/11 1/13 1/15	1/17 1/19 1/21 1	1/23 1/25 1/27 1/2 Specific Con		/2 2/4	2/6 2/8	2/10 2/12	2/14	
¥ 7.0 6.5 6.0 1/11 1/13 1/15	1/17 1/19 1/21 3			/2 2/4	2/6 2/8	2/10 2/12	2/14	
H 7.0 6.5 6.0 1/11 1/13 1/15		Specific Con	ductivity					
# 7.0 6.5 6.0 1/11 1/13 1/15		Specific Con	ductivity	/2 2/4	2/6 2/8	2/10 2/12	2/14	
E 0.3 E 0.2 0.0 1/11 1/13 1/15 DO data not available b		Specific Con	ductivity		2/6 2/8		2/14	
E 0.2 0.1 1/11 1/13 1/15 E 0.2 0.1 1/11 1/13 1/15 DO data not available b	1/17 1/19 1/21	Specific Con 1/23 1/25 1/27 1,	ductivity		2/6 2/8	2/10 2/12	2/14	
The second secon	1/17 1/19 1/21	Specific Con 1/23 1/25 1/27 1,	ductivity		2/6 2/8	2/10 2/12	2/14	

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