Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (March 29, 2023 - May 2, 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):	0.4	2.6	0.5	0.6	0.3	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	55	74	65	65	4	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	5	199	10	12	7	
TMDL/IMPAIRMENT:	Fecal Coliform			.00	.0		·	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.7	7.7	7.0	7.0	0.2	
SPATIAL LOCATION:	Most upstream site	·						
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.122	0.089	0.087	0.016	
MAX. DAILY RAINFALL:	2.1 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	4.8 inches	(mg/L):	5.2	10.0	7.2	7.3	1.2	
		Stage & Rainf	all	•				
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# 4							0.4	
# 2							0.4 0.8 1.2	
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25		Water Tem	ıp					
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75			A					
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65 55 45				20 4/22	4/24 4/26	4/28 4/30	5/2	
65 55 45 45		/10 4/12 4/14 4/16		20 4/22	1/24 4/26	4/28 4/30	5/2	
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\$\frac{65}{55}\$ 45 3/29 3/31 4/2	4/4 4/6 4/8 4,	Turbidity		20 4/22	4/24 4/26	4/28 4/30	5/2	
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\$\\\ \frac{65}{55} \\ \delta \\ \del	2 4/4 4/6 4/8	Turbidity 4/10 4/12 4/14 4/:						
\$\frac{65}{55}\$ \$\frac{300}{45}\$ \$\frac{300}{100}\$ \$\frac{200}{0}\$ \$\frac{300}{100}\$ \$\frac{300}{0}\$ \$\frac{300}{100}\$ \$\frac{3}{100}\$ \$	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/3	16 4/18 4	/20 4/22	4/24 4/26	4/28 4/30	5/2	
\$\\\ \begin{align*} \text{# 65} \\ \delta \\ \	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/:	16 4/18 4	/20 4/22				
\$\frac{65}{55}\$ \$\frac{300}{45}\$ \$\frac{300}{100}\$ \$\frac{200}{0}\$ \$\frac{300}{100}\$ \$\frac{300}{0}\$ \$\frac{300}{100}\$ \$\frac{3}{100}\$ \$	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/3	16 4/18 4 5 4/18 4/	/20 4/22	4/24 4/26	4/28 4/30	5/2	
\$\\ \begin{align*} \text{# 65} \\ \delta \\ \d	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH //10 4/12 4/14 4/16	16 4/18 4 5 4/18 4/	/20 4/22	4/24 4/26	4/28 4/30	5/2	
300 3/29 3/31 4/2 3/29 3/31 4/2 300 100 0 3/29 3/31 4/2 8.0 SCDHEC in-stream standar 7.5 7.0 6.5 3/29 3/31 4/2	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH //10 4/12 4/14 4/16	16 4/18 4 5 4/18 4/	/20 4/22	4/24 4/26	4/28 4/30	5/2	
\$\\ \begin{align*} \b	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH //10 4/12 4/14 4/16	16 4/18 4 5 4/18 4/	/20 4/22	4/24 4/26	4/28 4/30	5/2	
300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH //10 4/12 4/14 4/16	16 4/18 4 5 4/18 4/	/20 4/22	4/24 4/26	4/28 4/30	5/2	
300 3/29 3/31 4/2 300 200 100 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2	2 4/4 4/6 4/8 2 4/4 4/6 4/8 4/4 4/6 4/8 4/4 4/6 4/8 4/4 4/6 4/8	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH Specific Cond 4/10 4/12 4/14 4/1	16 4/18 4/18 4/18 4/18 4/18 4/18	/20 4/22	4/24 4/26	4/28 4/30 4/28 4/30	5/2	
\$\frac{1}{2}\$ \frac{1}{2}\$ \fra	2 4/4 4/6 4/8 2 4/4 4/6 4/8 rd: All pH values not less than 6.0 and not	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH Specific Conc 4/10 4/12 4/14 4/16	16 4/18 4/18 4/18 4/18 4/18 4/18	/20 4/22	4/24 4/26	4/28 4/30	5/2	
300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2 300 3/29 3/31 4/2	2 4/4 4/6 4/8 2 4/4 4/6 4/8 4/4 4/6 4/8 4/4 4/6 4/8 4/4 4/6 4/8	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH Specific Cond 4/10 4/12 4/14 4/1	16 4/18 4/18 4/18 4/18 4/18 4/18	/20 4/22	4/24 4/26	4/28 4/30 4/28 4/30	5/2	
8.0 3/29 3/31 4/2 300 200 100 0 3/29 3/31 4/2 8.0 SCDHEC in-stream standal 8.0 6.5 7.0 6.5 3/29 3/31 4/2 SCDHEC in-stream standal 0.20 0.15 0.00 0.05 0.00 3/29 3/31 4/2	2 4/4 4/6 4/8 2 4/4 4/6 4/8 4/4 4/6 4/8 4/4 4/6 4/8 4/4 4/6 4/8	Turbidity 4/10 4/12 4/14 4/1 more than 8.5 pH Specific Cond 4/10 4/12 4/14 4/1	16 4/18 4/18 4/18 4/18 4/18 4/18	/20 4/22	4/24 4/26	4/28 4/30 4/28 4/30	5/2	

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 (March 29, 2023 - May 2, 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: 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

There were no data gaps at KINA during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events or potential illicit discharges at KINA during this monitoring period.

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (March 29, 2023 - May 2, 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):	0.4	3.5	0.5	0.6	0.4	
LOCATION:	Broken Hill Rd							
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	53	76	65	65	5	
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	4	181	10	14	15	
TMDL/IMPAIRMENT: NEIGHBORING	Fecal Coliform Residential and commercial							
LANDUSE: SPATIAL LOCATION:	Most downstream site	pH:	-	-	-	-	-	
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.019	0.160	0.108	0.101	0.022	
MAX. DAILY RAINFALL:	2.1 inches	DISSOLVED OXYGEN	4.4	40.0	7.0	7.5	1.1	
TOTAL RAINFALL (FOR PERIOD):	4.8 inches	(mg/L):	4.1	10.6	7.3	7.5	1.1	
		Stage & Rainf	all					
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Stage, T							0.5	
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		Water Ten	p					
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45 	4/4 4/6 4/8 4	/10 4/12 4/14 4/16	4/18 4/2	20 4/22 4	1/24 4/26	4/28 4/30	5/2	
		Turbidity	,					
400		Turbian						
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3/29 3/31 4/	2 4/4 4/6 4/8	4/10 4/12 4/14 4/	16 4/18	4/20 4/22	4/24 4/26	4/28 4/30	5/2	
Tenurs :					H sensor was remove	d due to concer malf	functions	
8.0 7.5	rd: All pH values not less than 6.0 and no	pt more than 8.5 pH		P	i selisor was remove	d dde to sensor man	unctions.	
표 7.0								
6.5 6.0 3/29 3/31 4/2	4/4 4/6 4/8 4	1/10 4/12 4/14 4/1	6 4/18 4,	/20 4/22	4/24 4/26	4/28 4/30	5/2	
3/23 3/31 4/2		7,10 4,12 4,14 4,1	0 4/10 4/	7/20	4,24 4,20	4,20 4,30	3/2	
		Specific Con	ductivity					
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б 0.2 В 0.2								
§ 0.2 © 0.1						~~~ <u>~</u>		
	4/4 4/6 4/8	4/10 4/12 4/14 4/	16 4/18	4/20 4/22	4/24 4/26	4/28 4/30	5/2	
0.2 0.1 0.0 3/29 3/31 4/2	dard: Daily average not less than 5 mg/L			4/20 4/22	4/24 4/26			
SCDHEC in-stream stand				4/20 4/22		4 mg/L (SCDHEC L	ow Standard)	
SCDHEC in-stream stand				4/20 4/22		4 mg/L (SCDHEC L		

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:

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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 KINB 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

The pH sensor was removed during this monitoring period due to sensor malfunction. There were also data gaps in turbidity during 4/22 - 4/26 and 4/27 - 4/30 due to sensor fouling and DO from 4/15 - 4/19 and 4/27 - 4/30 due to sensor fouling.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events or potential illicit discharges at KINB during this monitoring period.