# Continuous Water Quality Monitoring Periodic Report

# Kinley Creek A (July 19, 2023 - August 22, 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):	0.2	1.6	0.3	0.3	0.1
LOCATION:	Longhorn Steakhouse						
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	73	87	80	80	3
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	3	152	7	12	16
TMDL/IMPAIRMENT:	Fecal Coliform	, ,					
NEIGHBORING LANDUSE:	Residential and commercial	pH:	_	_	_	_	_
SPATIAL LOCATION:	Most upstream site	pri.	-	_			_
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.056	0.135	0.087	0.091	0.017
MAX. DAILY RAINFALL:	1.1 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	2.4 inches	(mg/L):	1.5	8.0	2.4	2.6	0.9
		Stage & Rainf	all				<u>-</u>
# 4					1		0.0
Stage 5							1.0
7/19 7/21 7/23	7/25 7/27 7/29 7/3	11 8/2 8/4 8/6	8/8 8/2	10 8/12 8	8/14 8/16	8/18 8/20	8/22
		Water Tem	р				
95 85							
<b>₽</b> 75	~~~~	$\sim\sim$		~~~	777	~~~	
65							
7/19 7/21 7/23	7/25 7/27 7/29 7/	31 8/2 8/4 8/6	8/8 8/	10 8/12	8/14 8/16	8/18 8/20	8/22
200		Turbidity	,				
150 100							
50 0							
7/19 7/21 7/2	23 7/25 7/27 7/29	7/31 8/2 8/4 8/	6 8/8 8	3/10 8/12	8/14 8/16	8/18 8/20	8/22
SCDHEC in-stream standard	d: All pH values not less than 6.0 and not n	nore than 8.5 pH		р	H sensor was remove	ed due to sensor mal	functions.
8.5							
7.5							
6.5	7/25 7/27 7/20 7/20	0/2 0/4 0/6	0/0 0/1	0 0/12 0	/44 0/45	0/10 0/20	0/22
7/19 7/21 7/23	7/25 7/27 7/29 7/3:	. 8/2 8/4 8/6	8/8 8/1	0 8/12 8,	/14 8/16	8/18 8/20	8/22
0.15		Specific Cond	luctivity				
					~ }~	7	
\$\\ \frac{\gamma}{\gamma} \ 0.10 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			<b>.</b>				
0.00 <del>  7/19 7/21 7/23</del>	3 7/25 7/27 7/29 7	/31 8/2 8/4 8/	6 8/8	8/10 8/12	8/14 8/16	8/18 8/20	8/22
SCDHEC in-stream stand	dard: Daily average not less than 5 mg/L w	th a low of 4 mg/L Discolver	d Oxygen			4 mg/L (SCDHEC L	ow Standard)
10 8		Dissolved	- OAYSEII			+ IIIg/L (SCUREC L	.ow standard)
7/8m 4							
2 0							
7/19 7/21 7/23	3 7/25 7/27 7/29	7/31 8/2 8/4 8	/6 8/8	8/10 8/12	8/14 8/16	8/18 8/20	8/22

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 (July 19, 2023 - August 22, 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)								
	Time	Results	Time	Results	Time	Results		
Escherichia coli (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

### **Notes:**

#### **Data Gaps**

Turbidity had a data gap on 7/23 - 7/24 due to fouling. Specific conductivity had a data gap from 7/21 - 7/27 due to a calibration issue and another data gap from 7/27 - 8/6 due to the sensor being unsubmerged. No pH data was collected during this monitoring period due to sensor malfunction.

### Potential Illicit Discharges and Abnormal Events:

There were periods of increased specific conductivity from 8/11 - 8/14 and 8/15 - 8/18 which may have been the result of illicit discharges.

# Continuous Water Quality Monitoring Periodic Report

# Kinley Creek B (July 19, 2023 - August 22, 2023)

	DESCRIPTION CONTINUOUS WATER QUALITY PARAMETERS:			SUMMARY STATISTICS					
PARAMETER				MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):		0.2	2.9	0.3	0.4	0.2	
LOCATION:	Broken Hill Rd								
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATU	JRE (°F):	74	89	80	80	3	
COORDINATES:	34.06635, -81.159986	TURBIDITY (	NTU):	2	127	5	9	10	
TMDL/IMPAIRMENT:	Fecal Coliform	TOKBIDITT	TONDIDITY (IVIO):		121	3	9	10	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	pH:		-	_	-	-	
SPATIAL LOCATION:	Most downstream site								
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIV (mS/cm):	ITY	-	-	-	-	-	
MAX. DAILY RAINFALL:	1.1 inches	DISSOLVED	OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	2.4 inches	(mg/L):		2.1	8.6	4.6	4.6	0.9	
		s	tage & Rainfa	II		-	•		
# 6					-	1		0.0 0.5 =	
5, 4 6, 4								1.0 0.5 1.5 Label 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	
7/19 7/21 7/23	7/25 7/27 7/29 7	7/31 8/2 8/4	1 8/6	8/8 8/1	0 8/12 8/	14 8/16 8	8/18 8/20	8/22	
100			Water Temp	)					
<sub>2</sub> 85				~~~					
70									
55 <del>  7/19 7/21 7/23</del>	7/25 7/27 7/29	7/31 8/2 8/	4 8/6	8/8 8/2	10 8/12 8	/14 8/16	8/18 8/20	8/22	
			Turbidity						
150	•		- Lunanun,			•			
F 50				·					
0 <del>                                    </del>	3 7/25 7/27 7/29	7/31 8/2	8/4 8/6	6 8/8 8	8/10 8/12	8/14 8/16	8/18 8/20	8/22	
	lard: All pH values not less than 6.0 and	not more than 8.5	рН		ľ	oH sensor was remov	ed due to sensor mal	functions.	
8.0 7.5									
王 7.0 6.5									
6.0	7/25 7/27 7/29	7/31 8/2 8	/4 8/6	8/8 8/	/10 8/12	8/14 8/16	8/18 8/20	8/22	
7/19 7/21 7/23	7/25 7/27 7/29								
7/19 7/21 7/23	1/25 1/21 1/29		Specific Cond	uctivity S	pecific Conductivity s	ensor was removed c	due to sensor malfun	ctions.	
7/19 7/21 7/23	1/25 1/21 1/29		Specific Cond	uctivity S	pecific Conductivity s	ensor was removed o	due to sensor malfun	ctions.	
7/19 7/21 7/23	1/25 1/21 1/29		Specific Cond	uctivity S	pecific Conductivity s	ensor was removed o	due to sensor malfun	ctions.	
7/19 7/21 7/23 0.20 0.15 0.10			Specific Cond		pecific Conductivity s	ensor was removed o	due to sensor malfun	ections.	
7/19 7/21 7/23 0.20 0.15 0.00 0.05 0.00 7/19 7/21 7/23		7/31 8/2	8/4 8/6	6 8/8 8			8/18 8/20	8/22	
7/19 7/21 7/23  0.20 0.15 0.05 0.00 7/19 7/21 7/23	3 7/25 7/27 7/29	7/31 8/2		6 8/8 8	3/10 8/12			8/22	
7/19 7/21 7/23  0.20 0.15 0.05 0.00 7/19 7/21 7/23	3 7/25 7/27 7/29	7/31 8/2	8/4 8/6	6 8/8 8			8/18 8/20	8/22	

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**Sampled Data:** No samples were collected at KINB during this monitoring period.

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

#### **Notes:**

#### Data Gaps

Specific conductivity and pH data were not collected during this monitoring period due to sensor malfunction. There were turbidity data gaps from 7/29 - 8/2 and from 8/16 until the end of the monitoring period due to fouling.

### Potential Illicit Discharges and Abnormal Events:

Potential abnormal events were not identified since specific conductivity and pH data were not collected during this monitoring period due to sensor malfunction.