## Continuous Water Quality Monitoring Periodic Report

## Kinley Creek A (May 3, 2023 - June 7, 2023)

		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	1.8	0.4	0.5	0.3
LOCATION:	Longhorn Steakhouse						
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	61	77	70	69	3
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	4	186	12	17	13
TMDL/IMPAIRMENT:	Fecal Coliform		·	.00			.0
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.2	6.5	6.6	0.2
SPATIAL LOCATION:	Most upstream site	<b>P</b>	0.0	7.2	0.0	0.0	0.2
TOTAL NO. STORMS OVER 0.1 INCH:	3	SPECIFIC CONDUCTIVITY (mS/cm):	0.032	0.138	0.093	0.091	0.010
MAX. DAILY RAINFALL:	1.5 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	4.7 inches	(mg/L):	3.2	9.5	5.1	5.7	1.5
6		Stage & Rain	fall	<del>.</del>	-		0.0
		1979					
2 dge, 7				~			0.4
5/3 5/5 5/7	5/9 5/11 5/13 5,	/15 5/17 5/19 5/2:	L 5/23 5/2	25 5/27 5	/29 5/31	6/2 6/4	6/6
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₽ 65 55							
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5/3 5/5 5/7  300 200 100 5/3 5/5 5/  5/5  5/5  5/6  6.0 6.0 5.5	7 5/9 5/11 5/13 rd: All pH values not less than 6.0 and not	Turbidit 5/15 5/17 5/19 5/	21 5/23 5	//25 5/27	5/29 5/31	6/2 6/4	
5/3 5/5 5/7  300 200 100 5/3 5/5 5/  5/5  5/5  5/6  6.0 6.0 5.5	7 5/9 5/11 5/13 rd: All pH values not less than 6.0 and not	Turbidit 5/15 5/17 5/19 5/	21 5/23 5	//25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  200 200 0 5/3 5/5 5/   SCDHEC in-stream standa 7.5 6.0 6.0 5.5 5/3 5/5 5/7	7 5/9 5/11 5/13 rd: All pH values not less than 6.0 and not	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  //15 5/17 5/19 5/2	21 5/23 5	//25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  200 200 0 5/3 5/5 5/   SCDHEC in-stream standa 7.5 6.0 6.0 5.5 5/3 5/5 5/7	7 5/9 5/11 5/13 rd: All pH values not less than 6.0 and not	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  //15 5/17 5/19 5/2	21 5/23 5	//25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  300 200 0 5/3 5/5 5/7  SCDHEC in-stream standa 7.5 7.0 6.5 6.0 5.5 5/3 5/5 5/7	rd: All pH values not less than 6.0 and not	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  //15 5/17 5/19 5/2  Specific Con	y 21 5/23 5 11 5/23 5/	//25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  300 200 100 5/3 5/5 5/7  SCDHEC in-stream standa 7.5 7.0 6.5 6.0 5.5 5/3 5/5 5/7	7 5/9 5/11 5/13  rd: All pH values not less than 6.0 and not 5/9 5/11 5/13 5	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  Specific Con  5/15 5/17 5/19 5/2	y 21 5/23 5 11 5/23 5/ ductivity	/25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  300 200 5/3 5/5 5/7  SCDHEC in-stream standa 7.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6	rd: All pH values not less than 6.0 and not	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  Specific Con  5/15 5/17 5/19 5/2	y 21 5/23 5 11 5/23 5, ductivity	/25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  300 200 100 5/3 5/5 5/7  SCDHEC in-stream standa 7.5 6.0 6.0 5.5 5/3 5/5 5/7  SCDHEC in-stream standa 0.15 0.10 0.05 0.00 5/3 5/5 5/7	7 5/9 5/11 5/13  rd: All pH values not less than 6.0 and not 5/9 5/11 5/13 5	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  Specific Con  5/15 5/17 5/19 5/2	y 21 5/23 5 11 5/23 5/ ductivity	/25 5/27	5/29 5/31	6/2 6/4	6/6
5/3 5/5 5/7  300 200 5/3 5/5 5/7  SCDHEC in-stream standa 7.5 7.0 6.0 5.5 5/3 5/5 5/7  SCDHEC in-stream standa 0.20 0.15 0.00 5/3 5/5 5/7	7 5/9 5/11 5/13  rd: All pH values not less than 6.0 and not 5/9 5/11 5/13 5	Turbidit  5/15 5/17 5/19 5/  more than 8.5 pH  Specific Con  5/15 5/17 5/19 5/2	y 21 5/23 5 11 5/23 5/ ductivity	/25 5/27	5/29 5/31	6/2 6/4	6/6

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 (May 3, 2023 - June 7, 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 data gaps in DO and turbidity from 5/13 - 5/18 due to sensors being burried.

#### Potential Illicit Discharges and Abnormal Events:

There was a spike in specific conductivity on 5/11 and 5/17, which may have been the result of a potential illicit discharge.

# Continuous Water Quality Monitoring Periodic Report

## Kinley Creek B (May 3, 2023 - June 7, 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	2.6	0.4	0.5	0.3	
LOCATION:	Broken Hill Rd							
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	59	83	70	70	4	
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	3	613	8	14	34	
TMDL/IMPAIRMENT:	Fecal Coliform	TONDIDITY (IVIO):	Ů	010			01	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	-	-	-	-	-	
SPATIAL LOCATION:	Most downstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	3	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.168	0.111	0.105	0.021	
MAX. DAILY RAINFALL:	1.5 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	4.7 inches	(mg/L):	1.5	10.1	6.2	6.2	1.3	
		Stage & Rainf	fall					
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Stage, 7				NA.			- 0.4 <u>- 0.8 in</u>	
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3,3 3,3 3,7	3,3 3,11 3,13 3,	9,17 3,17 3,13	3,23 3,2	3,2, 3,	3/31	0/2 0/4		
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75		who was	~^^		~~~	~~~		
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45 <del>                                    </del>	5/9 5/11 5/13 5	5/15 5/17 5/19 5/2		/ 25 5/27 5	5/29 5/31	6/2 6/4	6/6	
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200						A .	<del>_</del> Å	
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	ard: All pH values not less than 6.0 and n	ot more than 8.5 pH		p	H sensor was remove	ed due to sensor malf	unctions.	
8.0 7.5								
王 7.0 6.5								
6.0 <del>                                    </del>	5/9 5/11 5/13	5/15 5/17 5/19 5/2	21 5/23 5	/25 5/27	5/29 5/31	6/2 6/4	6/6	
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₿ 0.2 % 0.1		940-		\$				
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SCDHEC in-stream stand	5/9 5/11 5/13  dard: Daily average not less than 5 mg/L			5/25 5/27	5/29 5/31	6/2 6/4		
0.0 5/3 5/5 5/7				5/25 5/27	5/29 5/31			
SCDHEC in-stream stand	dard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	d Oxygen	5/25 5/27	5/29 5/31			

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 B (May 3, 2023 - June 7, 2023)

### **Explanation of Statistics:**

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**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 was also a data gap in turbidity from 5/17 - 5/18 due to fouling.

#### Potential Illicit Discharges and Abnormal Events:

There was a spike in specific conductivity and turbidity on 6/5, which may have been the result of a potential illicit discharge.