# Continuous Water Quality Monitoring Periodic Report

## Kinley Creek A (March 24, 2022 - April 27, 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):	0.5	2.1	0.5	0.7	0.2	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F)	55	75	65	65	4	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	_	_	_	_	_	
TMDL/IMPAIRMENT:	Fecal Coliform							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.8	7.3	7.0	7.0	0.1	
SPATIAL LOCATION:	Most upstream site	<b>P</b>	0.0	7.5	7.0	7.0	0.1	
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.024	0.141	0.106	0.105	0.017	
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	5.9 inches	OXYGEN (mg/L):	-	-	-	-	-	
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70 60 3/24 3/26 3/28  Turbidity data not availa		1/5 4/7 4/9 4/:	1 4/13 4/	/15 4/17	4/19 4/21	4/23 4/25	4/27	
3/24 3/26 3/28  Turbidity data not availa  300 100 100		1/5 4/7 4/9 4/:	1 4/13 4/	/15 4/17	4/19 4/21	4/23 4/25	4/27	
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70 60 3/24 3/26 3/28 Turbidity data not availa 400 300 100 0 3/24 3/26 3/2	able because the sensor was out for repair	irs. Turbidi	1 4/13 4/					
70 60 50 3/24 3/26 3/28 Turbidity data not availa 400 300 200 100 3/24 3/26 3/2	able because the sensor was out for repai	irs. Turbidi	1 4/13 4/					
70 60 3/24 3/26 3/28 Turbidity data not availa 400 300 100 0 3/24 3/26 3/2 SCDHEC in-stream standar 7.4 7.2 7.2 7.0	able because the sensor was out for repair 18 3/30 4/1 4/3 18 3/30 4/1 4/3	irs. Turbidi	1 4/13 4/					
Turbidity data not availa 300 300 100 3/24 3/26 3/28 Turbidity data not availa 300 300 300 300 300 300 300 30	able because the sensor was out for repaired and the sensor was out for repaired and sensor wa	irs. Turbidi	1 4/13 4/					
Turbidity data not availa 300 100 3/24 3/26 3/28 Turbidity data not availa 300 100 3/24 3/26 3/2 300 300 300 300 300 300 300 30	able because the sensor was out for repaired by the	irs. Turbidi	1 4/13 4/					
Turbidity data not availa 300 200 100 3/24 3/26 3/28 Turbidity data not availa 300 300 300 300 300 300 300 30	able because the sensor was out for repaired and the sensor was out for repaired and sensor wa	1/5 4/7 4/9 4/5  1/5 4/7 4/9 4/5  1/5 4/7 4/9 4/7  1/5 4/7 4/9 4/7  1/5 4/7 4/9 4/7	1 4/13 4/13 11 4/13 4	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
Turbidity data not availa 300 300 300 300 300 300 300 30	able because the sensor was out for repaired and the sensor was out for repaired and sensor wa	irs. Turbidi 4/5 4/7 4/9 4/5 4/7 4/9 4/9 tmore than 8.5 pH	1 4/13 4/13 11 4/13 4	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
Turbidity data not availa 300 300 300 300 300 300 300 30	able because the sensor was out for repaired and the sensor was out for repaired and sensor wa	1/5 4/7 4/9 4/5  1/5 4/7 4/9 4/5  1/5 4/7 4/9 4/7  1/5 4/7 4/9 4/7  1/5 4/7 4/9 4/7	1 4/13 4/13 11 4/13 4	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
70 60 50 3/24 3/26 3/28 Turbidity data not availa 400 300 0 3/24 3/26 3/28 7.4 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	able because the sensor was out for repaired and the sensor was out for repaired and sensor wa	irs. Turbidi  4/5 4/7 4/9 4/   t more than 8.5 pH  Specific Con	1 4/13 4/13 4/13 4/13 4/13 4/13 4/13 4/1	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
Turbidity data not availa 300 300 300 300 300 300 300 30	able because the sensor was out for repail 128 3/30 4/1 4/3 14/3 14/3 14/3 14/3 14/3 14/3 1	irs. Turbidi  4/5 4/7 4/9 4/   t more than 8.5 pH  Specific Con	1 4/13 4/13 4/13 4/13 4/13 4/13 4/13 4/1	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
7.0 60 50 3/24 3/26 3/28  Turbidity data not availa 400 300 0 3/24 3/26 3/28  Turbidity data not availa 400 300 0 3/24 3/26 3/28  Torbidity data not availa 400 300 0 3/24 3/26 3/28  DO data not available be	able because the sensor was out for repaired and the sensor was out for repaired and sensor wa	Turbidi  4/5 4/7 4/9 4/5  4/5 4/7 4/9 4/7  Specific Col  4/5 4/7 4/9 4/9	1 4/13 4/13 4/13 4/13 4/13 4/13 4/13 4/1	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
7.0 60 50 3/24 3/26 3/28  Turbidity data not availa 400 300 0 3/24 3/26 3/28  Turbidity data not availa 400 300 0 3/24 3/26 3/28  Torbidity data not availa 400 300 0 3/24 3/26 3/28  DO data not available be	able because the sensor was out for repair 28 3/30 4/1 4/3 4/3 and another architecture and a sensor was out for repair 28 3/30 4/1 4/3 4/3 4/3 4/3 4/3 4/3 4/3 4/3 4/3 4/3	Turbidi  4/5 4/7 4/9 4/5  4/5 4/7 4/9 4/7  Specific Col  4/5 4/7 4/9 4/9	1 4/13 4/13 4/13 4/13 4/13 4/13 4/13 4/1	4/15 4/17	4/19 4/21	4/23 4/25	4/27	
Turbidity data not availa 300 300 300 300 300 300 300 30	able because the sensor was out for repair 28 3/30 4/1 4/3 4/3 and another architecture and a sensor was out for repair 28 3/30 4/1 4/3 4/3 4/3 4/3 4/3 4/3 4/3 4/3 4/3 4/3	Turbidi  4/5 4/7 4/9 4/5  4/5 4/7 4/9 4/7  Specific Col  4/5 4/7 4/9 4/9	1 4/13 4/13 4/13 4/13 4/13 4/13 4/13 4/1	4/15 4/17	4/19 4/21	4/23 4/25	4/27	

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 24, 2022 - April 27, 2022)

### **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	
(units)	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 and DO data were not collected during this monitoring period at KINA due to sensor repairs.

### Potential Illicit Discharges and Abnormal Events:

There was no indication of potential illcit discharges or abnormal events that occurred during this monitoring period.

# Continuous Water Quality Monitoring Periodic Report

## Kinley Creek B (March 24, 2022 - April 27, 2022)

		CONTINUOUS		SUN			
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	3.6	0.5	0.6	0.4
LOCATION:	Broken Hill Rd						
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	53	74	64	64	4
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	_	_	-	_	_
TMDL/IMPAIRMENT:	Fecal Coliform						
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.1	6.9	6.9	0.1
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	0.161	0.118	0.113	0.026
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	5.9 inches	(mg/L):	3.8	9.2	6.7	6.9	0.9
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SCDHEC in-stream standa	rd: All pH values not less than 6.0 and not	t more than 8.5 pH					
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0.05	7	<b>1</b>		- V ;			
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SCDHEC in-stream stand	ard: Daily average not less than 5 mg/L wit	th a low of 4 mg/L Dissolved	d Oxygen			4 mg/L (SCDHEC Low	Standard)
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5,25 5,25	-, ,,2 ,,9	,- 4- 43	., 20	, = ,,=,	,==	., == ., 25	

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 (March 24, 2022 - April 27, 2022)

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

Analyte (units)								
	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**

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