Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (October 19, 2022 - December 6, 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):	0.4	1.6	0.5	0.5	0.1
LOCATION:	Longhorn Steakhouse						
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	48	73	59	60	5
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	_	_	_	_	_
TMDL/IMPAIRMENT:	Fecal Coliform	TOKBIBITT (IVTO).					
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.1	6.6	6.6	0.1
SPATIAL LOCATION:	Most upstream site	·					
TOTAL NO. STORMS OVER 0.1 INCH:	8	SPECIFIC CONDUCTIVITY (mS/cm):	0.051	0.127	0.097	0.095	0.010
MAX. DAILY RAINFALL:	1.1 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	2.9 inches	(mg/L):	-	-	-	-	-
		Stage & Rainf	all	.	.	-	0.0
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10/13 10/21 10/23 10/2	3 10/27 10/23 10/31 11/2 11/4	11/0 11/0 11/10 11/12 11	1/14 11/10 11/18	11/20 11/22 11	/24 11/20 11/28	11/30 12/2 12/	+ 12/0
400 Turbidity data not availa	able because the sensor was out for repairs	S. Turbidity					
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	rd: All pH values not less than 6.0 and not r	more than 8.5 pH					
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DO data not available b	ecause the sensor was out for repairs.	Dissolves	I Ovvgen			- 4 mg/L/SCDUECT	ow Standard)
10 8 8 6 6 E .	ecause the sensor was out for repairs.	Dissolved	охуден			4 mg/L (SCDHEC Lo	ow Standard)
2							
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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:

	Sample 1		Sample 2			
Analyte (units)	11/10/2022		11/10/2022			
	Time	Results	Time	Results		
Escherichia coli (MPN/100mL)	14:36	538	16:28	9,222		
Total Suspended Solids (mg/L)						
Total Phosphorus (mg/L)						
Total Nitrogen (mg/L)						

All samples were collected during wet weather conditions.

Notes:

Data Gaps

Turbidity and dissolved oxygen data was not collected during this monitoring period at KINA due to sensor repairs.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity and pH increased on 10/30 and 11/3, which may have been the result of illicit discharges.

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (October 19, 2022 - December 6, 2022)

		SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.2	2.6	0.3	0.4	0.2	
LOCATION:	Broken Hill Rd							
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	45	72	58	58	6	
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	_	_	_	_	_	
TMDL/IMPAIRMENT:	Fecal Coliform							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.5	7.1	6.9	6.9	0.1	
SPATIAL LOCATION:	Most downstream site	•						
TOTAL NO. STORMS OVER 0.1 INCH:	8	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.174	0.113	0.106	0.023	
MAX. DAILY RAINFALL:	1.1 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	2.9 inches	(mg/L):	-	-	-	-	-	
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90			<u> </u>					
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10/15 10/21 10/25 10/25 10/27 10/25 10/51 11/2 11/4 11/6 11/8 11/10 11/12 11/14 11/16 11/18 11/20 11/22 11/24 11/26 11/28 11/30 12/2 12/4 12/6								
Turbidity data not avail	able because the sensor was out for repai	rs. Turbidity						
₽ ⁴⁰⁰								
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SCDHEC in-stream standa	rd: All pH values not less than 6.0 and not	more than 8.5 pH						
7.5								
표 6.5								
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DO data not available b	ecause the sensor was out for repairs.	Dissolved	Oxygen			- 4 mg/L/SCDUECT	ow Standard)	
10 Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)								
7/8w								
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10,13 10/21 10/23 10/	20 10/21 10/20 10/01 11/2 11/4	. 11/0 11/0 11/10 11/12	11/10 11/1	11/20 11/22]	, 11/20 11/20	, 11,50 12/2 1	_,, 12,10	

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Sampled Data:

	Sample 1		Sample 2			
Analyte (units)	11/10/2022		11/10/2022			
	Time	Results	Time	Results		
Escherichia coli (MPN/100mL)	14:52	14,540	16:44	8,704		
Total Suspended						
Solids (mg/L)						
Total Phosphorus (mg/L)						
Total Nitrogen (mg/L)						

All samples were collected during wet weather conditions.

Notes:

Data Gaps

Turbidity and dissolved oxygen data was not collected during this monitoring period at KINB due to sensor repairs.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity several times throughout the monitoring period, which may have been the result of illicit discharges.