Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (April 28, 2022 - June 1, 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	1.0	0.5	0.5	0.1	
LOCATION:	Longhorn Steakhouse			0.4				
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	64	84	75	74	4	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	-	_	_	_	-	
TMDL/IMPAIRMENT:	Fecal Coliform	, , , ,						
NEIGHBORING LANDUSE:	Residential and commercial		6.6	7.2	6.9	6.9	0.1	
SPATIAL LOCATION:	Most upstream site		0.0	'	0.0	0.0	0.1	
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	0.032	0.143	0.118	0.119	0.010	
MAX. DAILY RAINFALL:	0.7 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	2.1 inches	(mg/L):	-	-	-	-	-	
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4/28 4/30 5/2	5/4 5/6 5/8	5/10 5/12 5/14 5	5/16 5/18	5/20 5/22	5/24 5/26	5/28 5/3	30 6/1	
Turbidity data not availa	able because the sensor was out for repa	airs. Turbidity						
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SCDHEC in-stream standar	rd: All pH values not less than 6.0 and no	ot more than 8.5 pH						
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王 7.0 6.8								
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4/28 4/30 5/2	5/4 5/6 5/8	5/10 5/12 5/14 5	5/16 5/18	5/20 5/22	5/24 5/26	5 5/28 5,	/30 6/1	
		Specific Cond	ductivity					
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E 0.1					····	~~~		
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DO data not available by	ecause the sensor was out for repairs.	Dissolve	d Oxygen			4 mg/L (SCDHEC L	ow Standard)	
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7/80 8 6 4 4 4								
4/28 4/30 5/3	2 5/4 5/6 5/8	5/10 5/12 5/14	5/16 5/18	5/20 5/22	5/24 5/	26 5/28	5/30 6/1	
., 20 4, 30 3/1	_ 5,. 5,0 5/6	-, 10 5, 12 5, 14	-,10 5,10	5,20 5,22	5,24 5/	5/20	-, 55 0/1	

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Kinley Creek A (April 28, 2022 - June 1, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/23/2022		5/23/2022		5/23/2022			
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)	12:39	8704	14:14	7746	15:36	2374		
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during dry weather sampling.

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:

There were no indications of potential illicit discharges or abnormal events that occurred during this monitoring period.

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (April 28, 2022 - June 1, 2022)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION WATER QUALIPARAMETERS		MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	1.6	0.4	0.4	0.2	
LOCATION:	Broken Hill Rd							
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	62	87	73	72	4	
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	_	_	_	_	_	
TMDL/IMPAIRMENT:	Fecal Coliform	TOKBIBITT (NTO).	_	_		_		
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.1	7.0	6.7	6.7	0.1	
SPATIAL LOCATION:	Most downstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	0.027	0.152	0.131	0.127	0.017	
MAX. DAILY RAINFALL:	0.7 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	2.1 inches	(mg/L):	3.1	8.1	4.6	4.7	0.7	
		Stage & Rainf	all		-	-		
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, 2 , 5 , 7					M		0.6 0.8 Using Part of the Control of	
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4/28 4/30 5/2				 				
4/28 4/30 5/2	5/4 5/6 5/8	5/10 5/12 5/14 5	/16 5/18	5/20 5/22	5/24 5/26	5/28 5/3	0 6/1	
				5/20 5/22	5/24 5/26	5/28 5/3	0 6/1	
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600 Turbidity data not avail				5/20 5/22	5/24 5/26	5/28 5/3	0 6/1	
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Furbidity data not avail	able because the sensor was out for repa			5/20 5/22	5/24 5/26		0 6/1	
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Turbidity data not avail 400 200 0 4/28 4/30 5/	able because the sensor was out for reparation of the sensor was out for	5/10 5/12 5/14	,					
Turbidity data not avail 400 200 0 4/28 4/30 5/	able because the sensor was out for reparation of the sensor was out for	5/10 5/12 5/14	,					
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Turbidity data not avail 200 4/28 4/30 5/ SCDHEC in-stream standa 7.2 7.0 6.4 6.4 6.2	able because the sensor was out for reparation of the sensor was out for	5/10 5/12 5/14	,			6 5/28 5/	(30 6/1	
Turbidity data not avail 200 4/28 4/30 5/ SCDHEC in-stream standa 7.2 7.0 6.8 6.6 6.4 6.2 6.2 4/28 4/30 5/2	able because the sensor was out for reportant and the sensor was out for reportant and sensor was o	5/10 5/12 5/14	5/16 5/18	5/20 5/22	5/24 5/26	6 5/28 5/	(30 6/1	
Turbidity data not avail 200 4/28 4/30 5/ SCDHEC in-stream standa 7.2 7.0 6.8 6.8 6.6 6.4 6.2 6.0 4/28 4/30 5/2	able because the sensor was out for reportant and the sensor was out for reportant and sensor was o	5/10 5/12 5/14 t more than 8.5 pH 5/10 5/12 5/14	5/16 5/18	5/20 5/22	5/24 5/26	6 5/28 5/	(30 6/1	
Turbidity data not avail 400 400 400 4/28 4/30 5/2 4/28 4/30 5/2 5/2 6.2 6.3 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.2 6.2	able because the sensor was out for reportant and the sensor was out for reportant and sensor was o	5/10 5/12 5/14 t more than 8.5 pH 5/10 5/12 5/14	5/16 5/18	5/20 5/22	5/24 5/26	6 5/28 5/	(30 6/1	
Turbidity data not avail 200 4/28 4/30 5/ SCDHEC in-stream standa 7.2 7.0 6.8 6.6 6.4 6.4 6.2 6.0 4/28 4/30 5/2	able because the sensor was out for reparation of the sensor was out for reparation o	5/10 5/12 5/14 t more than 8.5 pH 5/10 5/12 5/14	5/16 5/18	5/20 5/22	5/24 5/26	5/28 5/	(30 6/1	
Example 200	2 5/4 5/6 5/8 able because the sensor was out for repair to the s	5/10 5/12 5/14 tt more than 8.5 pH 5/10 5/12 5/14 Specific Con	5/16 5/18 5/16 5/18 ductivity	5/20 5/22	5/24 5/26 5/24 5/26	5 5/28 5/ 5/28 5/ 6 5/28 5	30 6/1	
Turbidity data not avail 200 4/28 4/30 5/ SCDHEC in-stream standa 7.2 6.8 6.8 6.6 6.4 6.4 6.2 6.0 4/28 4/30 5/2 SCDHEC in-stream standa 10 SCDHEC in-stream standa	able because the sensor was out for reparation of the sensor was out for reparation o	5/10 5/12 5/14 tt more than 8.5 pH 5/10 5/12 5/14 Specific Con	5/16 5/18 5/16 5/18 ductivity	5/20 5/22	5/24 5/26 5/24 5/26	5/28 5/	/30 6/1 /30 6/1	
Turbidity data not avail 10 10 10 10 10 10 10 10 10 1	2 5/4 5/6 5/8 able because the sensor was out for repair to the s	5/10 5/12 5/14 tt more than 8.5 pH 5/10 5/12 5/14 Specific Con	5/16 5/18 5/16 5/18 ductivity	5/20 5/22	5/24 5/26 5/24 5/26	5 5/28 5/ 5/28 5/ 6 5/28 5	/30 6/1 /30 6/1	
Turbidity data not avail 10 10 10 10 10 10 10 10 10 1	able because the sensor was out for reparation of the sensor was out for reparation o	5/10 5/12 5/14 tt more than 8.5 pH 5/10 5/12 5/14 Specific Con	5/16 5/18 5/16 5/18 ductivity	5/20 5/22	5/24 5/26 5/24 5/26	5 5/28 5/ 5 5/28 5/ 6 5/28 5	/30 6/1 /30 6/1	

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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	5/23/2022		5/23/2022		5/23/2022			
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)	12:55	4092	14:26	39730	15:48	20920		
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during dry weather sampling.

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

The DO increased and the pH decreased abnormally during storm events on May 6th, 12th, 13th, 21st, 23rd, and 26th.