Continuous Water Quality Monitoring Periodic Report

Kinley Creek A (June 2, 2022 - July 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	2.1	0.5	0.6	0.2
LOCATION:	Longhorn Steakhouse						
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	70	88	80	80	4
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	_	_	_	_	_
TMDL/IMPAIRMENT:	Fecal Coliform	TORBIBITT (NTO).					
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.4	8.6	6.7	6.8	0.2
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	11	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.176	0.137	0.133	0.021
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	5.4 inches	(mg/L):	-	-	-	-	-
		Stage & Raint	all		•	•	
## 4	6/8 6/10 6/12	5/14 6/16 6/18 6,	(20 6/22	6/24 6/26	6/28 6/30	7/2 7/4	0.0 0.5 1.0 1.5 2.0
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0.0	rd: All pH values not less than 6.0 and not	more than 8.5 pH					
8.5 8.0 7.5 7.0 6.5 6.0		/					
	6/8 6/10 6/12	6/14 6/16 6/18 6	6/22	6/24 6/26	6/28 6/30	7/2 7,	/4 7/6
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		Specific Cond	luctivity				
0.2		Specific Cond	luctivity	^	-		
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0.2 0.0 0.0 6/2 6/4 6/6		6/14 6/16 6/18	6/20 6/22	6/24 6/26			

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 (June 2, 2022 - July 6, 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	
	6/14/2022		6/29/2022		6/29/2022		6/29/2022	
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)	9:30	8,212	11:15	3,836	12:41	2,238	14:08	2,592
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 abnormal events that occurred during this monitoring period.

Continuous Water Quality Monitoring Periodic Report

Kinley Creek B (June 2, 2022 - July 6, 2022)

		CONTINUOUS		TICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Kinley Creek	STAGE (FT):	0.2	4.6	0.3	0.5	0.4		
LOCATION:	Broken Hill Rd								
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	70	86	78	78	3		
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	_	_	_	_	_		
TMDL/IMPAIRMENT:	Fecal Coliform	TORBIDITY (NTO).	-	-	-	-	-		
NEIGHBORING LANDUSE:	Residential and commercial	pH:	5.9	7.1	6.7	6.7	0.2		
SPATIAL LOCATION:	Most downstream site								
TOTAL NO. STORMS OVER 0.1 INCH:	11	SPECIFIC CONDUCTIVITY (mS/cm):	0.013	0.221	0.132	0.129	0.033		
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED OXYGEN							
TOTAL RAINFALL (FOR PERIOD):	5.4 inches	(mg/L):	2.8	8.4	5.0	5.0	0.8		
	\\	Stage & Rainf	all	•	-	-	-		
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90				_					
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Turbidity data not avail	able because the sensor was out for repair	s. Turbidity							
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P 400 200									
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	rd: All pH values not less than 6.0 and not	more than 8.5 pH							
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표 6.5 6.0						W			
5.5 	6/8 6/10 6/12 6/	L4 6/16 6/18 6/2	.0 6/22 6/	/24 6/26	6/28 6/30	7/2 7/4	7/6		
	· · · · ·	· · · ·		· 	· · · · · · · · · · · · · · · · · · ·				
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₩ 0.2 ₩ 0.1			~~~~	Janeary March	A STATE OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF T	-			
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				•		•			
SCDHEC in-stream standa	rd: Daily average not less than 5 mg/L with	a low of 4 mg/L Dissolved	l Oxygen			4 mg/L (SCDHEC Low	Standard)		
8 8/F	winn.		8-8-8-8-	- Charles	1 pint	مرائد			
6/2 6/4 6/6	6/8 6/10 6/12 6	/14 6/16 6/18 6/	/20 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6		
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	6/14/2022		6/29/2022		6/29/2022		6/29/2022	
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)	9:22	9,768	11:30	5,226	13:03	8,704	14:22	3,720
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. Specific conductivity was removed from June 10th-14th due to sensor fouling.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity and pH increased several times during this monitoring period, which may have been the result of illicit discharges.