



Kinley Creek A (June 3, 2021 - July 6, 2021)

		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	2.7	0.5	0.6	0.3	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	74	87	80	80	2	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	_	_	_	_	_	
TMDL/IMPAIRMENT:	Fecal Coliform	TONDIDITY (IVIO).						
NEIGHBORING LANDUSE:	Residential and commercial	mU.	6.6	7.0	6.8	6.9	0.2	
SPATIAL LOCATION:	Most upstream site	pH:	0.0	7.8	0.0	0.9	0.2	
TOTAL NO. STORMS OVER 0.1 INCH:	13	SPECIFIC CONDUCTIVITY (mS/cm):	0.034	0.136	0.105	0.101	0.018	
MAX. DAILY RAINFALL:	2.5 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	6.0 inches	OXYGEN (mg/L):	3.0	8.0	5.2	5.3	1.1	
		Stage & Rainfal	ı		•			
₹ 6		Stage & Hallind	'		-		0.0 0.5 . <u>s</u>	
9g 4							8 0.0 Lindall, in 1.5 Lindall,	
8 2							1.5	
6/3 6/5 6/7	6/9 6/11 6/13 6/15	6 6/17 6/19 6/2	1 6/23 6	5/25 6/27	6/29 7/1	7/3 7/5	ד/ד ר	
		Water Temp						
90 85	A				•			
# 80			M~~~	1	NA	~~~		
75				V				
6/3 6/5 6/7	6/9 6/11 6/13 6/15	5 6/17 6/19 6/2	1 6/23	6/25 6/27	6/29 7/1	7/3 7/5	5 7/7	
Turkiditu data nat availa	ble because sensor was out for repairs.							
100	ble because sensor was out for repairs.	Turbidity						
75 50								
25								
6/3 6/5 6/7	6/9 6/11 6/13 6/	15 6/17 6/19 6/	/21 6/23	6/25 6/27	6/29 7/1	7/3 7/	5 7/7	
8.0		pH						
± 7.5						_		
7.0		لأنسيب		~~~	~~~	~~~	_	
6/3 6/5 6/7	6/9 6/11 6/13 6/1	5 6/17 6/19 6/	21 6/23	6/25 6/27	6/29 7/1	7/3 7	7/5 7/7	
0.15		Specific Condu	ctivity				`	
§ 0.10	}				~~~	\ ~	~	
5 0.10 E 0.05	0.05							
0.00 - 6/3 6/5 6/7	6/9 6/11 6/13 6/		/21 6/23	6/25 6/27	6/29 7/1	7/3	7/5 7/7	
-,- 0,5 0,7	-,- 0,11 0,10 0,	-, -, 0,15 0	, = 0,23	-, 0/2/	-, //-	.,,,	·· ··)	
SCDHEC in-stream standard	d: Daily average not less than 5 mg/L with a	a low of 4 mg/L Dissolved 0	Oxygen			- 4 mg/L (SCDHEC Lo	ow Standard)	
0		3-4						
7/8m 4		-		2200	~^^	~~~		
6/3 6/5 6/7	6/9 6/11 6/13 6/	15 6/17 6/19 6	/21 6/23	6/25 6/27	6/29 7/1	7/3	7/5 7/7	
0,5 0,5 0,7	0/2 0/11 0/13 0/	20 0/1/ 0/15 0	, 0,23	3/23 0/2/	0/23 //1	. 113		

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

Kinley Creek A (June 3, 2021 - July 6, 2021)

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	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli								
(MPN/100mL)								
Total Suspended								
Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

• Turbidity data was not collected during this monitoring period, because the sensor was out for repairs.

Potential Illicit Discharges and Abnormal Events:

- The specific conductivity increased on June 8th and June 25th which may have been the result of illicit discharges.
- The DO concentration was low throughout the monitoring period, except during rain events, because KINA had a small baseflow. The water remained mostly stagnant, which contributed to lower DO levels, until the influx of stormwater increased the stage and flow.





Kinley Creek B (June 3, 2021 - July 6, 2021)

		CONTINUOUS			SUMMARY STATISTICS					
PARAMETER	DESCRIPTION WATER QUALITY PARAMETERS:		l N	IINIMUM BSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATION		
STREAM NAME:	Kinley Creek		STAGE (FT):			0.3	4.0	0.5	0.6	0.4
LOCATION:	Broken Hill Rd		TEMPEDATURE (%E).				00		70	
ADDRESS:	609 Broken Hill Ro Columbia, SC 292		TEMPERATURE (°F):			71	90	78	78	2
COORDINATES:	34.06635, -81.1599		TURRIDITY (AITU).							
TMDL/IMPAIRMENT:	Fecal Coliform		TURBIDITY (NTU):			=	=	-	-	-
NEIGHBORING LANDUSE:	Residential and comm	nercial	pH:			6.3	7.4	6.8	6.8	0.2
SPATIAL LOCATION:	Most downstream s	site				0.0	,	0.0	0.0	0.2
TOTAL NO. STORMS OVER 0.1 INCH:	13		SPECIFIC CONDUCTIVITY (mS/cm):			0.013	0.203	0.110	0.107	0.026
MAX. DAILY RAINFALL:	2.5 inches			OLVED OXY	GEN					
TOTAL RAINFALL (FOR PERIOD):	6.0 inches		(mg/L			-	-	-	-	-
			•	Stage 8	k Rainfall					
8 6 E	* "				T			1		0.0
9 4 9 2					AL					0.5 1.0 1.5
6/3 6/5 6/7	6/9 6/11 6/	6/13 6,	/15 6/	17 6/19	6/21	6/23	6/25 6/27	6/29 7/1	7/3 7/5	2.0
90				Wat	er Temp					
85 80					_ ^				4	
75 70				W	W. PHO	7//	~~~	W C		√
6/3 6/5 6/7	6/9 6/11 6	5/13 6	5/15 6	/17 6/19	6/21	6/23	6/25 6/27	6/29 7/1	. 7/3 7/	/5 7/7
Turbidity data not ava	ilable because sensor was out fo	for repairs.	<u> </u>	T.	rbidity					
125					T Didity					
75 50									I	
25	7 60 644	6/12	C/15	5/47 5/46	6/24	6/22	6/25 6/27	6/20 7/	4 7/2 7	15 7/7
25	/7 6/9 6/11	6/13	6/15	6/17 6/19	9 6/21	6/23	6/25 6/27	6/29 7/	1 7/3 7	/5 7/7
25 6/3 6/5 6,	7 6/9 6/11	6/13	6/15	6/17 6/19	9 6/21 pH	6/23	6/25 6/27	6/29 7/	1 7/3 7	/5 7/7
25 0 6/3 6/5 6/5 7.5	7 6/9 6/11	6/13	6/15	6/17 6/19	-	6/23	6/25 6/27	6/29 7/	1 7/3 7	/5 7/7
25 6/3 6/5 6/	77 6/9 6/11	6/13	6/15	6/17 6/19	-	6/23	6/25 6/27	6/29 7/	1 7/3 7	/5 7/7
25 0 6/3 6/5 6,				6/17 6/19	pH	6/23	6/25 6/27	6/29 7/	~	/5 7/7
25 0 6/3 6/5 6,					рН				~	
25 0 6/3 6/5 6/ 7.5 6.5 6.0 6/3 6/5 6/7				//17 6/19	рН	6/23			~	
25 6/3 6/5 6/ 7.5 7.0 6.5 6.0 6/3 6/5 6/7				//17 6/19	pH 6/21	6/23			~	
25 0 6/3 6/5 6/ 7.0 6.5 6.0 6/3 6/5 6/7				//17 6/19	pH 6/21	6/23			~	
25 6/3 6/5 6/ 7.5 6.5 6.0 6/3 6/5 6/7 0.25 0.20 0.015 0.00 0.00 0.00	6/9 6/11 6	6/13	6/15	Specif	pH 6/21	6/23 y	6/25 6/27	6/29 7/	1 7/3	7/7
25 6/3 6/5 6/ 7.5 6.5 6.0 6/3 6/5 6/7	6/9 6/11 6	6/13	6/15	//17 6/19	pH 6/21	6/23			1 7/3	
25 6/3 6/5 6/ 7.5 6.5 6.5 6.0 6/3 6/5 6/7 0.25 0.20 0.00 0.05 0.00 0.05 0.00	6/9 6/11 6	6/13	6/15	Specif 6/17 6/19	pH 6/21	6/23 y	6/25 6/27	6/29 7/	1 7/3	7/5 7/7
25 6/3 6/5 6/ 7.5 6.5 6.0 6/3 6/5 6/7	7 6/9 6/11	6/13	6/15	Specif 6/17 6/19	pH 6/21 ic Conductivit	6/23 y	6/25 6/27	6/29 7/	7/3	7/5 7/7
7.5 6/3 6/5 6/ 7.0 6.5 6.0 6/3 6/5 6/7	7 6/9 6/11	6/13	6/15	Specif 6/17 6/19	pH 6/21 ic Conductivit	6/23 y	6/25 6/27	6/29 7/	7/3	7/5 7/7

Kinley Creek B (June 3, 2021 - July 6, 2021)

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	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

DO and turbidity data was not collected during this monitoring period, because the sensors were out for repairs.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on June 22nd, June 27th, and June 30th, which may have been the result of illicit discharges.