

Continuous Water Quality Monitoring Periodic Report



Kinley Creek A (September 29, 2016 -- November 2, 2016)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	2.7	0.5	0.5	0.2	
LOCATION:	Longhorn Steakhouse							
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	56	77	69	68	4	
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	1	56	6	8	8	
TMDL/IMPAIRMENT:	Fecal Coliform				Ů	Ŭ	Ů	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.5	6.9	6.6	6.7	0.1	
SPATIAL LOCATION:	Most upstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	3	SPECIFIC CONDUCTIVITY (mS/cm):	0.047	0.125	0.083	0.080	0.015	
MAX. DAILY RAINFALL:	3.1 inches	DISSOLVED		0.0	0.4	0.0	4.4	
TOTAL RAINFALL (FOR PERIOD):	3.6 inches	OXYGEN (mg/L):	3.8	8.2	6.1	6.2	1.1	
		Stage & Rainfa	all					
# 4 -		1100					0.00	
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							0.75 1.00	
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<u>.</u>	~~~	mm	~~~		M	w		
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60 50 50 50	10/5 10/7 10/9 10			10/21 10/23	10/25 10/27	10/29 10/31	11/2	
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P 60 10/1 10/3		Turbidity						
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F 60 9/29 10/1 10/3 P 30 9/29 10/1 10/3 T 6.8 6.6 6.4 9/29 10/1 10/3	3 10/5 10/7 10/9 1	Turbidity 0/11 10/13 10/15 10 pH //11 10/13 10/15 10/	717 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
F 60 9/29 10/1 10/3 P 30 9/29 10/1 10/3 T 6.8 6.6 6.4 9/29 10/1 10/3	3 10/5 10/7 10/9 1	Turbidity 0/11 10/13 10/15 10 pH //11 10/13 10/15 10/	717 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
7.0 9/29 10/1 10/3 10/	3 10/5 10/7 10/9 1	Turbidity 0/11 10/13 10/15 10 pH //11 10/13 10/15 10/	717 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
F 6.6 6.4 9/29 10/1 10/3	3 10/5 10/7 10/9 1	Turbidity 0/11 10/13 10/15 10 pH //11 10/13 10/15 10/ Specific Cond	717 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
7.0 9/29 10/1 10/3 10/	3 10/5 10/7 10/9 1 10/5 10/7 10/9 10	Turbidity 0/11 10/13 10/15 10 pH /11 10/13 10/15 10/ Specific Cond	0/17 10/19 /17 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
7.0 9/29 10/1 10/3 10/	3 10/5 10/7 10/9 1	Turbidity 0/11 10/13 10/15 10 pH /11 10/13 10/15 10/ Specific Cond	0/17 10/19 /17 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
7.0 9/29 10/1 10/3 10/	3 10/5 10/7 10/9 1 10/5 10/7 10/9 10	Turbidity 0/11 10/13 10/15 10 pH /11 10/13 10/15 10/ Specific Cond	0/17 10/19 /17 10/19 1	10/21 10/23	10/25 10/27	10/29 10/31	11/2	
7.0 9/29 10/1 10/3 10/	3 10/5 10/7 10/9 1 10/5 10/7 10/9 10 10/5 10/7 10/9 10	Turbidity 0/11 10/13 10/15 10 pH //11 10/13 10/15 10/ Specific Cond 0/11 10/13 10/15 10 ith a low of 4 mg/L Dissolved	0/17 10/19 1/17 10/19 1/17 10/19 1/17 10/19	10/21 10/23	10/25 10/27	10/29 10/31	11/2 11/2 .ow Standard)	

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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.

Grab Sample Data:

Analyte	Sample 1		Sample 2		Sample 3		Sample 4	
(units)	10/27/2016							
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)	11:40	662.0						
Total Suspended Solids (mg/L)	11:40	1.7						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Note:



Continuous Water Quality Monitoring Periodic Report



Kinley Creek B (September 29, 2016 -- November 2, 2016)

		CONTINUOUS		SUMMARY STATISTICS				
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Kinley Creek	STAGE (FT):	0.6	4.2	0.7	0.8	0.4	
LOCATION:	Broken Hill Rd							
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TEMPERATURE (°F):	55	75	67	66	4	
COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	1	36	3	4	5	
TMDL/IMPAIRMENT:	Fecal Coliform	TORBIDITY (NTO).	'	30	3	4	5	
NEIGHBORING LANDUSE:	Residential and commercial	nu.	6.2	7.1	6.0	6.0	0.1	
SPATIAL LOCATION:	Most downstream site	pH:	6.3	7.1	6.9	6.9	0.1	
TOTAL NO. STORMS OVER 0.1 INCH:	3	SPECIFIC CONDUCTIVITY (mS/cm):	0.02	0.217	0.135	0.132	0.034	
MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR	3.1 inches	DISSOLVED OXYGEN (mg/L):	4.6	8.5	7.2	7.2	0.6	
PERIOD):	3.6 inches	(9, -).						
8		Stage & Rainfa	II .				0.0	
							0.5	
2 tage, 4							0.5	
9/29 10/1 10/3	10/5 10/7 10/9 10,	/11 10/13 10/15 10/1	7 10/19 10	0/21 10/23	10/25 10/27	10/29 10/31	11/2	
		Water Temp)					
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E 6.9 6.7 6.5 6.3 6.1 9/29 10/1 10/3	10/5 10/7 10/9 10			0/21 10/23	10/25 10/27	10/29 10/31	11/2	
9/29 10/1 10/3	10/5 10/7 10/9 10	/11 10/13 10/15 10/ Specific Cond		0/21 10/23	10/25 10/27	10/29 10/31	11/2	
9/29 10/1 10/3	10/5 10/7 10/9 10			0/21 10/23	10/25 10/27	10/29 10/31	11/2	
9/29 10/1 10/3 E 0.25 0.20 0.15 0.05	10/5 10/7 10/9 10			0/21 10/23	10/25 10/27	10/29 10/31	11/2	
9/29 10/1 10/3		Specific Cond	uctivity	0/21 10/23	10/25 10/27	10/29 10/31		
9/29 10/1 10/3 E 0.25 0.20 0.15 0.10 0.05 0.00 9/29 10/1 10/3	3 10/5 10/7 10/9 1	Specific Cond	/17 10/19 1			10/29 10/31	11/2	
9/29 10/1 10/3 0.25 0.10 0.05 0.00 9/29 10/1 10/3		Specific Cond	/17 10/19 1				11/2	
9/29 10/1 10/3	3 10/5 10/7 10/9 1	Specific Cond	/17 10/19 1			10/29 10/31	11/2	
9/29 10/1 10/3 0.25 0.20 0.15 0.10 0.05 0.00 9/29 10/1 10/3	3 10/5 10/7 10/9 1	Specific Cond	/17 10/19 1			10/29 10/31	11/2	

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Sampled Data:

Analyto	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	10/27/2016							
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)	11:56	682						
Total Suspended Solids (mg/L)	11:56	2.8						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Note: