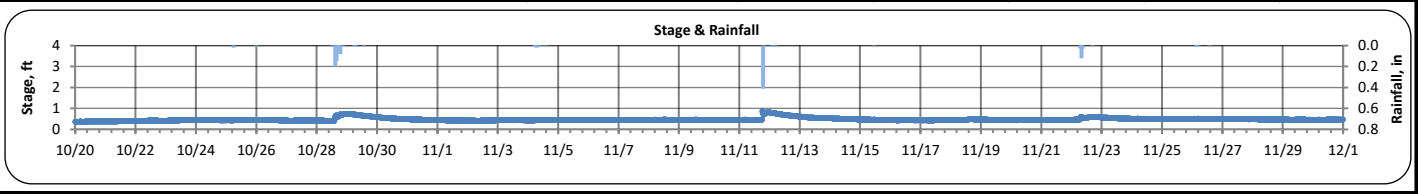
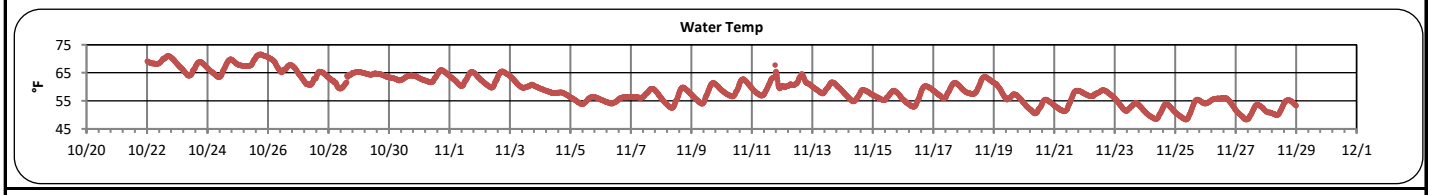
Continuous Water Quality Monitoring Periodic Report

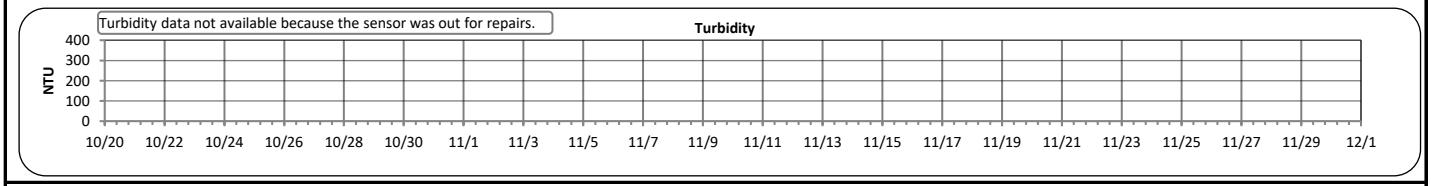
Kinley Creek A (October 20, 2021 - November 30,2021)

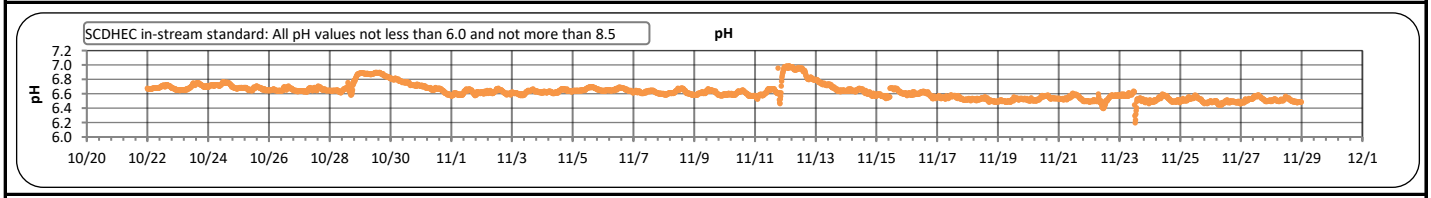
PARAMETER	DESCRIPTION
STREAM NAME:	Kinley Creek
LOCATION:	Longhorn Steakhouse
ADDRESS:	171 Harbison Blvd Columbia, SC 29212
COORDINATES:	34.069897, -81.164592
TMDL/IMPAIRMENT:	Fecal Coliform
NEIGHBORING LANDUSE:	Residential and commercial
SPATIAL LOCATION:	Most upstream site
TOTAL NO. STORMS OVER 0.1 INCH:	3
MAX. DAILY RAINFALL:	0.5 inches
TOTAL RAINFALL (FOR PERIOD):	1.3 inches

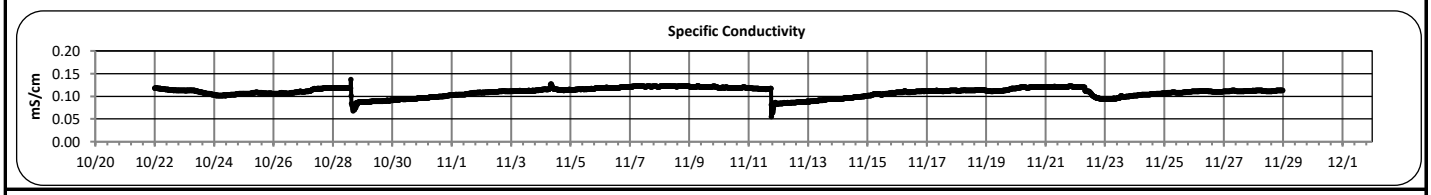
CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	0.4	0.9	0.5	0.5	0.1
TEMPERATURE (°F):	48	72	59	59	5
TURBIDITY (NTU):	-	-	-	-	-
pH:	6.2	7.0	6.6	6.6	0.1
SPECIFIC CONDUCTIVITY (mS/cm):	0.055	0.137	0.111	0.109	0.010
DISSOLVED OXYGEN (mg/L):	4.3	9.0	6.1	6.1	0.9

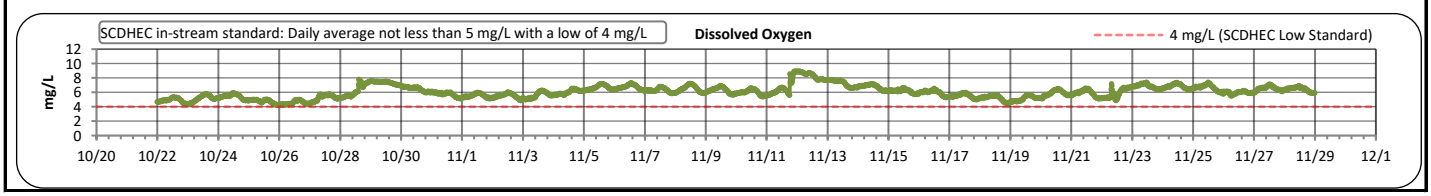












Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality
Monitoring Periodic Report

Kinley Creek A (October 20, 2021 - November 30,2021)

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	Result	Time	Result	Time	Result	Time	Result
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 due to the removal of the sensor for repairs.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on on October 28th and November 4th, which may have been the result of illicit discharges.

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

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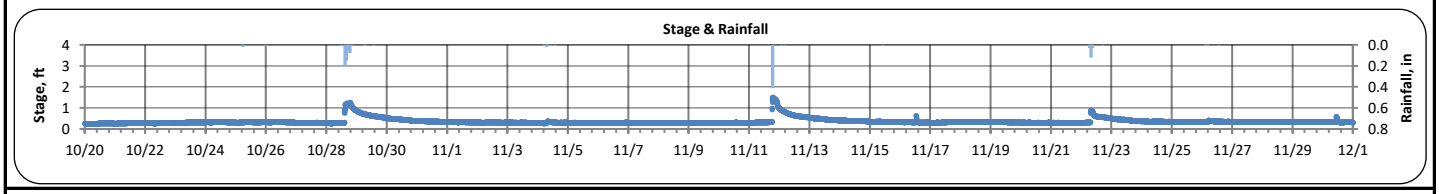
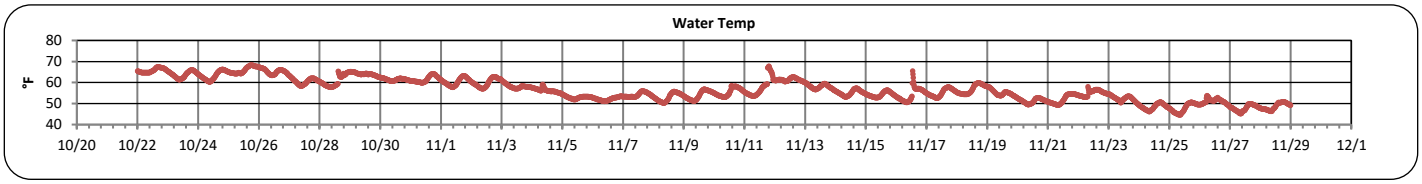
Continuous Water Quality Monitoring Periodic Report

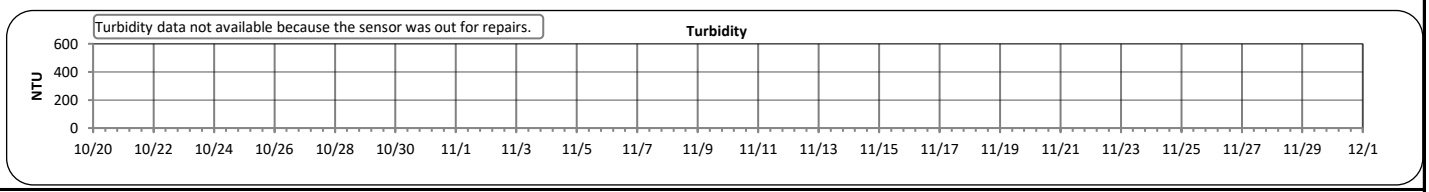
Kinley Creek B (October 20, 2021 - November 30,2021)

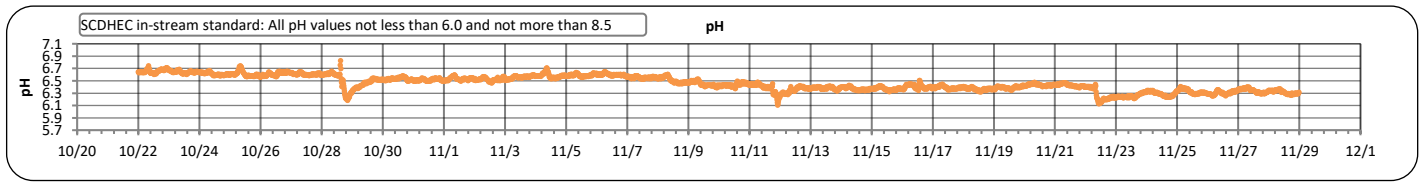
PARAMETER	DESCRIPTION
STREAM NAME:	Kinley Creek
LOCATION:	Broken Hill Rd
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212
COORDINATES:	34.06635, -81.159986
TMDL/IMPAIRMENT:	Fecal Coliform
NEIGHBORING LANDUSE:	Residential and commercial
SPATIAL LOCATION:	Most downstream site
TOTAL NO. STORMS OVER 0.1 INCH:	3
MAX. DAILY RAINFALL:	0.5 inches
TOTAL RAINFALL (FOR PERIOD):	1.3 inches

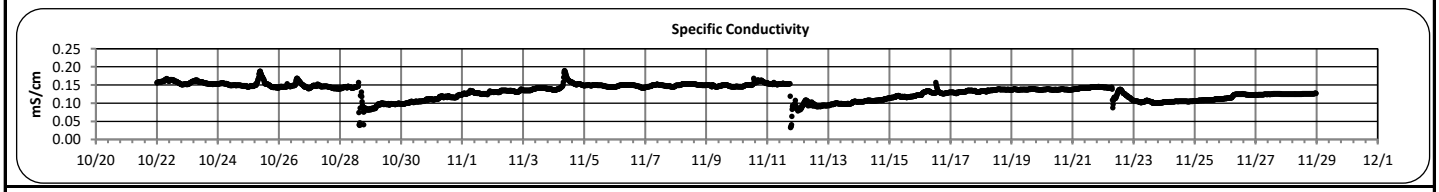
CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	0.3	1.5	0.3	0.4	0.1
TEMPERATURE (°F):	45	68	56	57	5
TURBIDITY (NTU):	-	-	-	-	-
pH:	6.1	6.8	6.5	6.5	0.1
SPECIFIC CONDUCTIVITY (mS/cm):	0.033	0.190	0.137	0.131	0.021
DISSOLVED OXYGEN (mg/L):	-	-	-	-	-

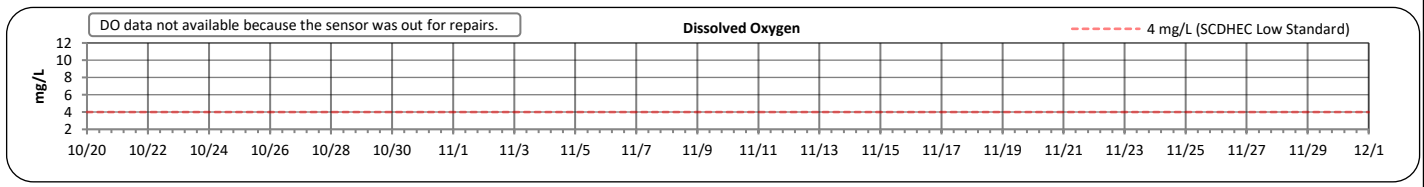












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Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Result	Time	Result	Time	Result	Time	Result
Escherichia coli (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

Turbidity and DO data was not collected during this monitoring period due to sensor repairs.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on on October 25th, 26th, November 4th and 16th, which may have been the result of illicit discharges.

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

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