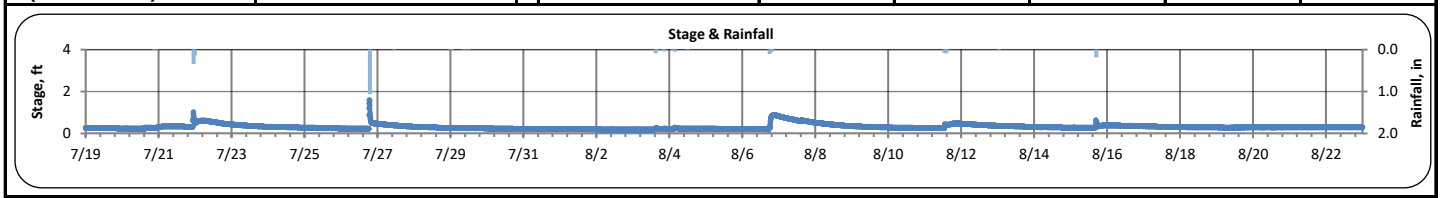
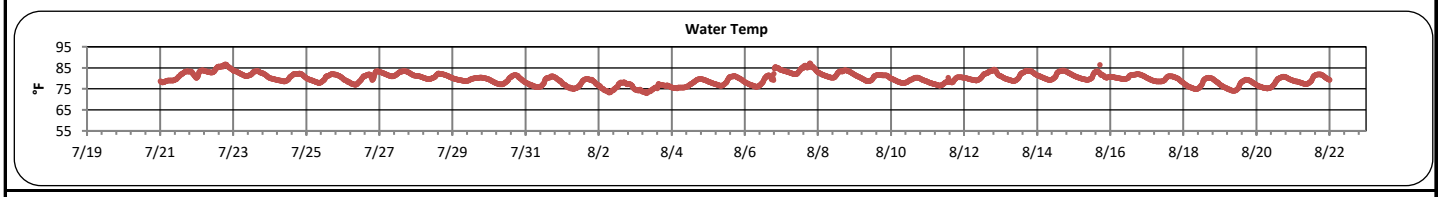
Continuous Water Quality Monitoring Periodic Report

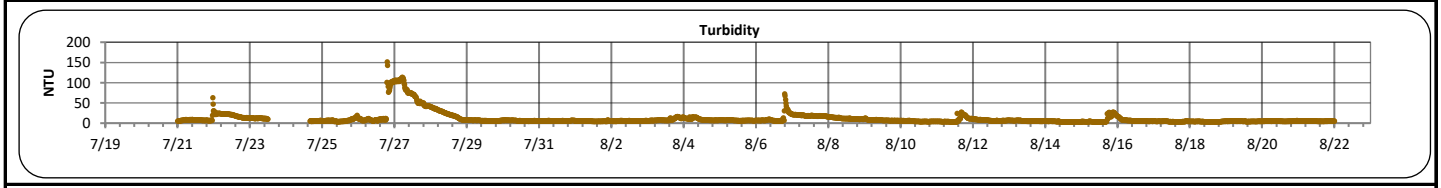
Kinley Creek A (July 19, 2023 - August 22, 2023)

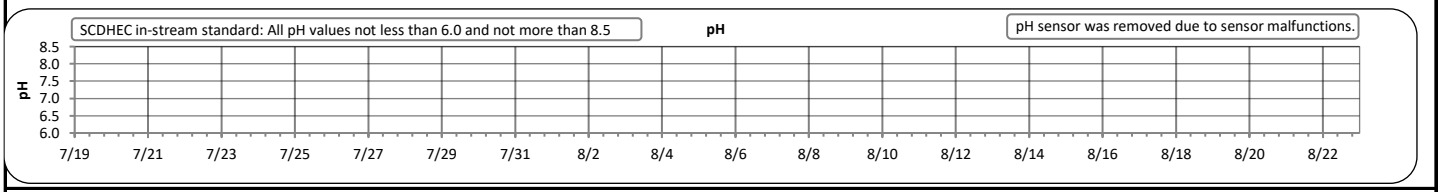
PARAMETER	DESCRIPTION
STREAM NAME:	Kinley Creek
LOCATION:	Longhorn Steakhouse
ADDRESS:	171 Harbison Blvd Columbia, SC 29212
COORDINATES:	34.069897, -81.164592
TMDL/IMPAIRMENT:	Fecal Coliform
NEIGHBORING LANDUSE:	Residential and commercial
SPATIAL LOCATION:	Most upstream site
TOTAL NO. STORMS OVER 0.1 INCH:	6
MAX. DAILY RAINFALL:	1.1 inches
TOTAL RAINFALL (FOR PERIOD):	2.4 inches

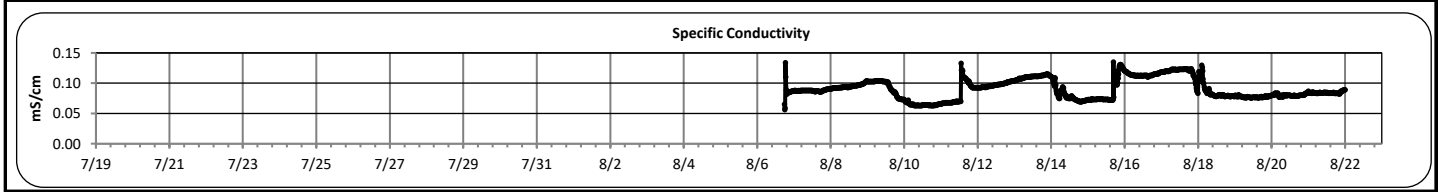
CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	0.2	1.6	0.3	0.3	0.1
TEMPERATURE (°F):	73	87	80	80	3
TURBIDITY (NTU):	3	152	7	12	16
pH:	-	-	-	-	-
SPECIFIC CONDUCTIVITY (mS/cm):	0.056	0.135	0.087	0.091	0.017
DISSOLVED OXYGEN (mg/L):	1.5	8.0	2.4	2.6	0.9

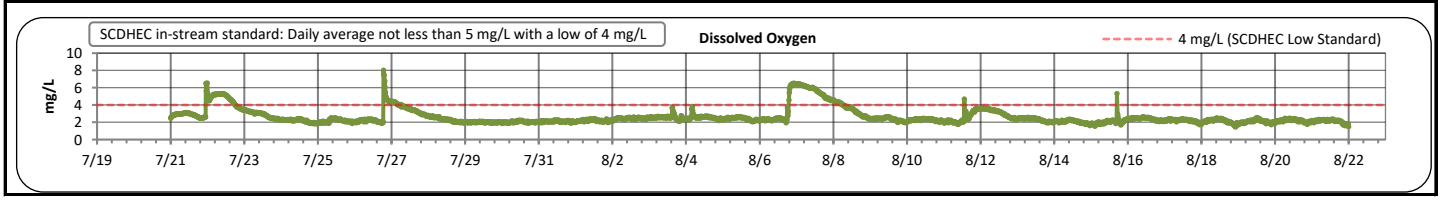












Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Kinley Creek A (July 19, 2023 - August 22, 2023)

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 samples were collected at KINA during this monitoring period.

Analyte (units)								
	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 had a data gap on 7/23 - 7/24 due to fouling. Specific conductivity had a data gap from 7/21 - 7/27 due to a calibration issue and another data gap from 7/27 - 8/6 due to the sensor being unsubmerged. No pH data was collected during this monitoring period due to sensor malfunction.

Potential Illicit Discharges and Abnormal Events:

There were periods of increased specific conductivity from 8/11 - 8/14 and 8/15 - 8/18 which may have been the result of illicit discharges.

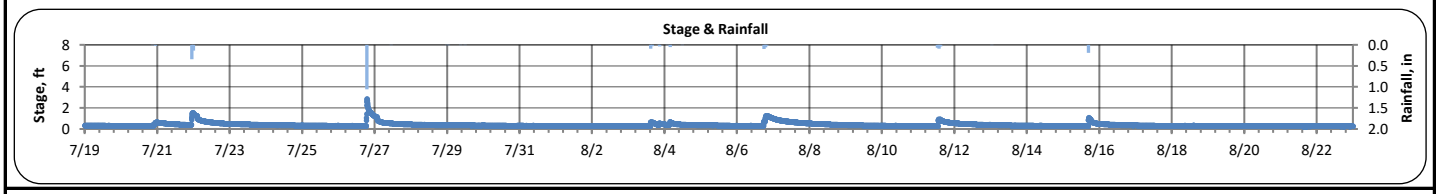
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

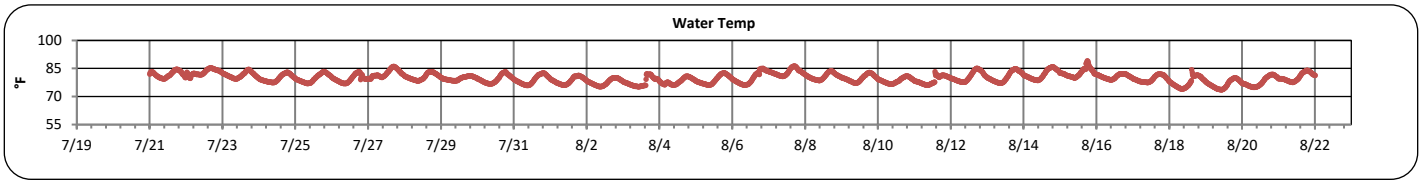
Continuous Water Quality Monitoring Periodic Report

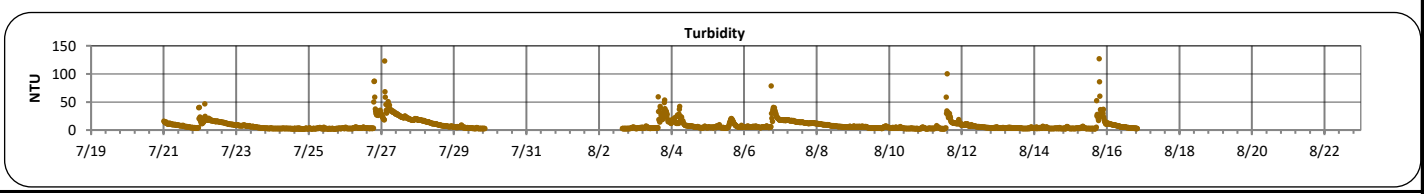
Kinley Creek B (July 19, 2023 - August 22, 2023)

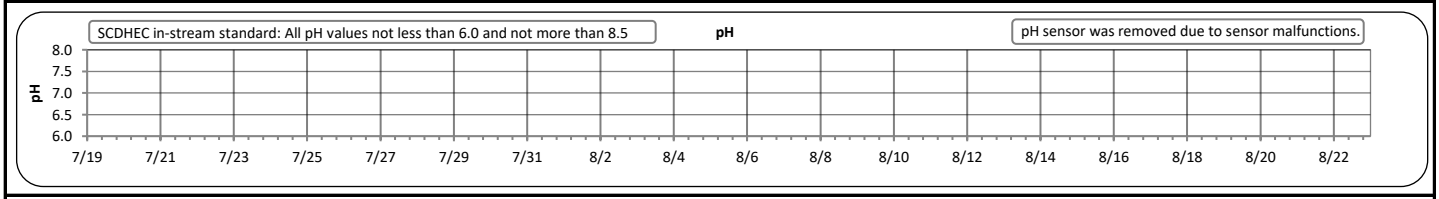
PARAMETER	DESCRIPTION
STREAM NAME:	Kinley Creek
LOCATION:	Broken Hill Rd
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212
COORDINATES:	34.06635, -81.159986
TMDL/IMPAIRMENT:	Fecal Coliform
NEIGHBORING LANDUSE:	Residential and commercial
SPATIAL LOCATION:	Most downstream site
TOTAL NO. STORMS OVER 0.1 INCH:	6
MAX. DAILY RAINFALL:	1.1 inches
TOTAL RAINFALL (FOR PERIOD):	2.4 inches

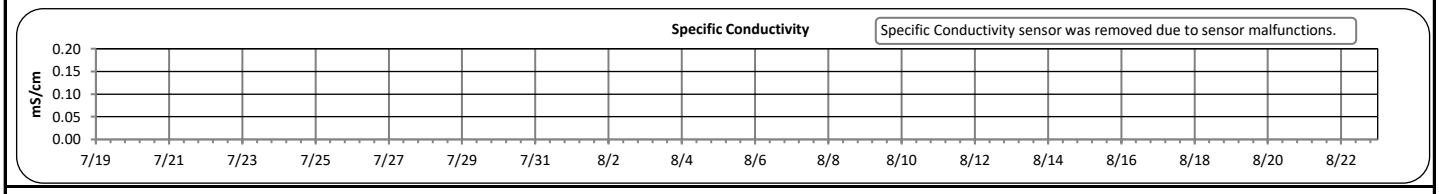
CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	0.2	2.9	0.3	0.4	0.2
TEMPERATURE (°F):	74	89	80	80	3
TURBIDITY (NTU):	2	127	5	9	10
pH:	-	-	-	-	-
SPECIFIC CONDUCTIVITY (mS/cm):	-	-	-	-	-
DISSOLVED OXYGEN (mg/L):	2.1	8.6	4.6	4.6	0.9

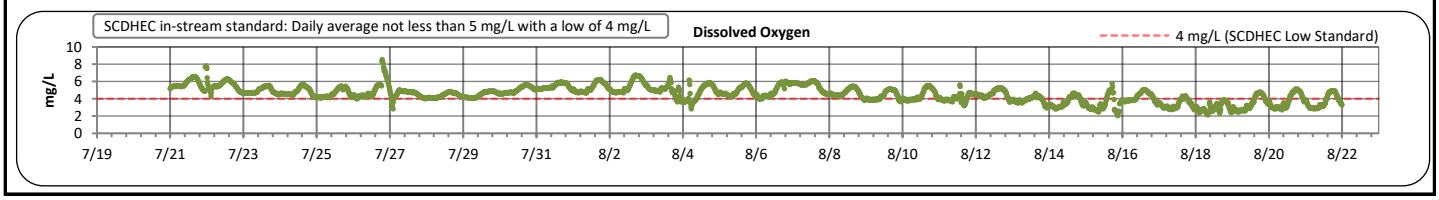












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MEAN OBSERVED	The average of all the values recorded by the datasonde in 15 minute intervals.
STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

Sampled Data: No samples were collected at KINB during this monitoring period.

Analyte (units)								
	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

Specific conductivity and pH data were not collected during this monitoring period due to sensor malfunction. There were turbidity data gaps from 7/29 - 8/2 and from 8/16 until the end of the monitoring period due to fouling.

Potential Illicit Discharges and Abnormal Events:

Potential abnormal events were not identified since specific conductivity and pH data were not collected during this monitoring period due to sensor malfunction.

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

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