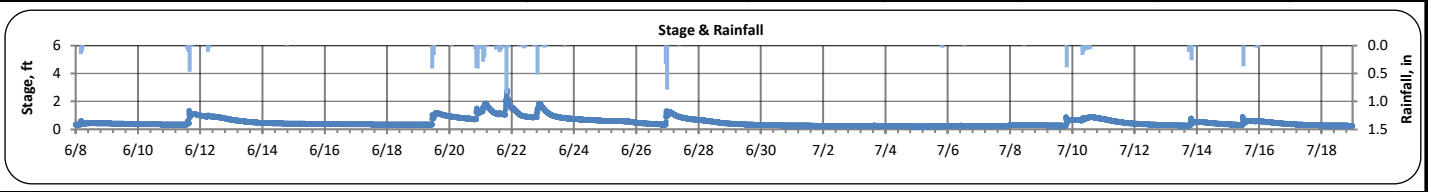
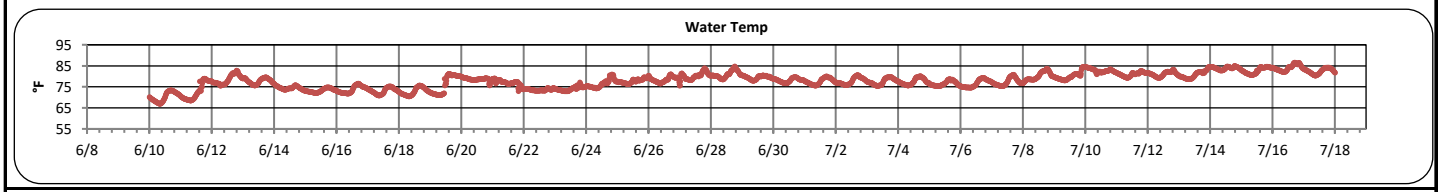
Continuous Water Quality
Monitoring Periodic Report

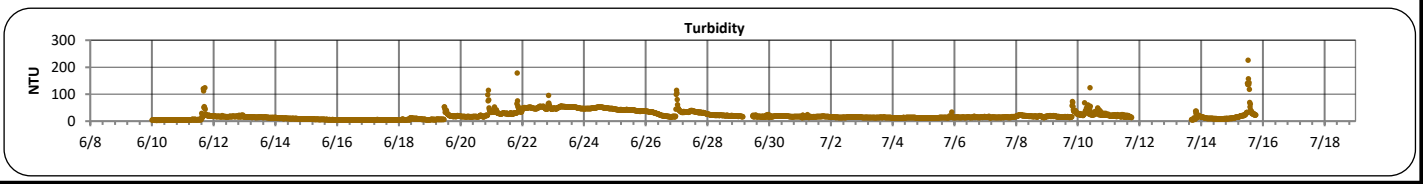
Kinley Creek A (June 8, 2023 - July 18, 2023)

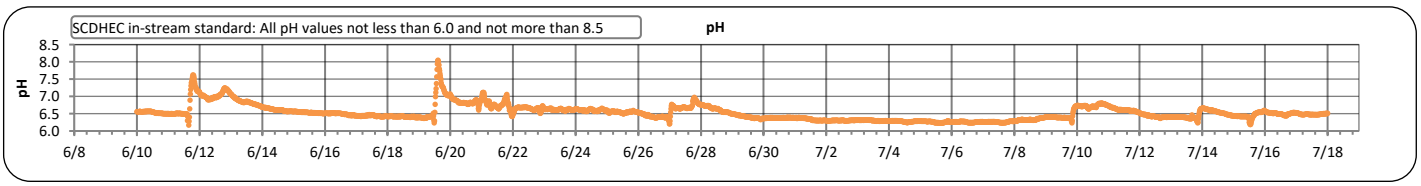
PARAMETER	DESCRIPTION
STREAM NAME:	Kinley Creek
LOCATION:	Longhorn Steakhouse
ADDRESS:	171 Harbison Blvd Columbia, SC 29212
COORDINATES:	34.069897, -81.164592
TMDL/IMPAIRMENT:	Fecal Coliform
NEIGHBORING LANDUSE:	Residential and commercial
SPATIAL LOCATION:	Most upstream site
TOTAL NO. STORMS OVER 0.1 INCH:	12
MAX. DAILY RAINFALL:	1.8 inches
TOTAL RAINFALL (FOR PERIOD):	8.3 inches

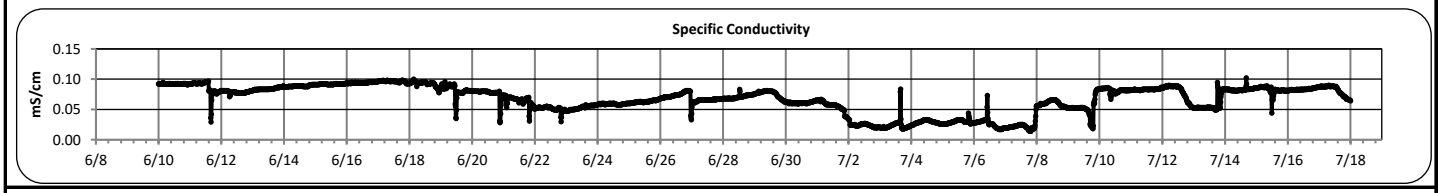
CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	0.2	2.8	0.4	0.5	0.3
TEMPERATURE (°F):	67	87	78	78	4
TURBIDITY (NTU):	4	227	17	22	16
pH:	6.2	8.1	6.5	6.5	0.2
SPECIFIC CONDUCTIVITY (mS/cm):	0.014	0.102	0.073	0.067	0.023
DISSOLVED OXYGEN (mg/L):	1.0	8.3	4.2	4.4	1.9

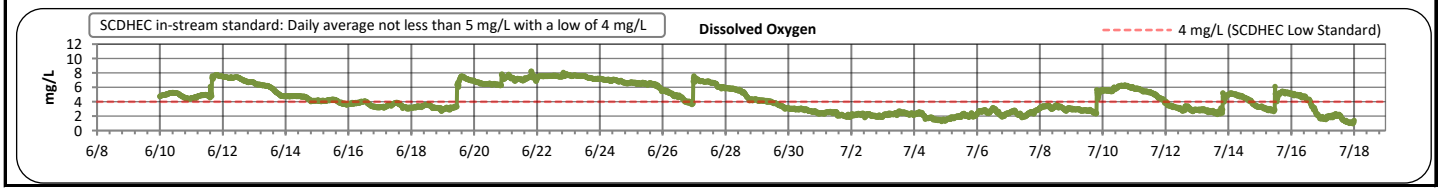












Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 8/16/2023

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Kinley Creek A (June 8, 2023 - July 18, 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:

Analyte (units)	**Sample 1**		**Sample 2**		**Sample 3**			
	6/22/2023		6/22/2023		6/22/2023			
	Time	Results	Time	Results	Time	Results		
Escherichia coli (MPN/100mL)	8:52	3,450	10:29	4,960	12:31	2,900		
Total Suspended Solids (mg/L)	8:52	26.8	10:29	28.0	12:31	34.0		
Total Phosphorus (mg/L)	8:52	0.071	10:29	0.076	12:31	0.078		
Total Nitrogen (mg/L)	8:52	1.09	10:29	0.87	12:31	1.07		

Notes:

Data Gaps

There were data gaps in turbidity on 6/29, 7/11 - 7/13, 7/15 - 7/18 due to fouling.

Potential Illicit Discharges and Abnormal Events:

There was a spike in specific conductivity on 7/3 and 7/6, which may have been the result of a potential illicit discharge.

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
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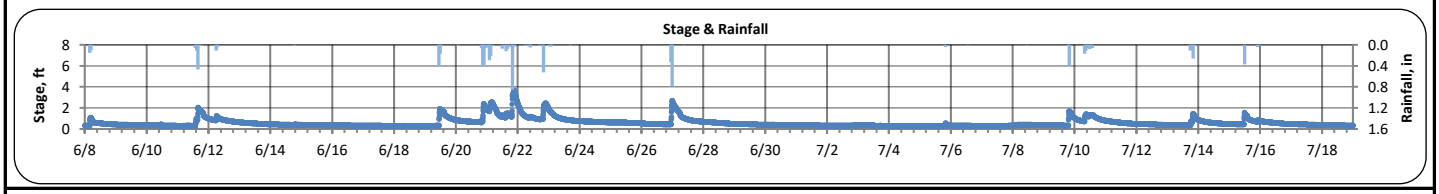
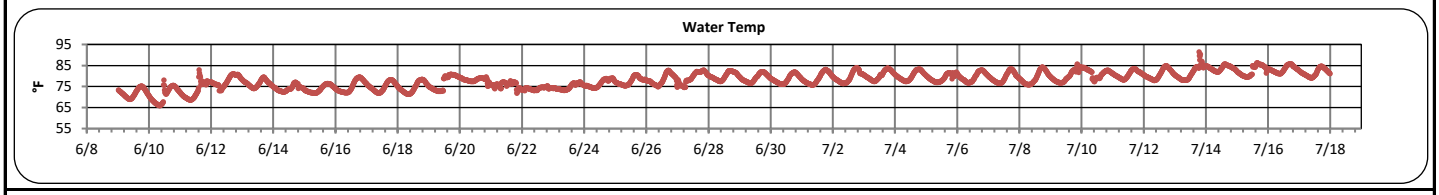
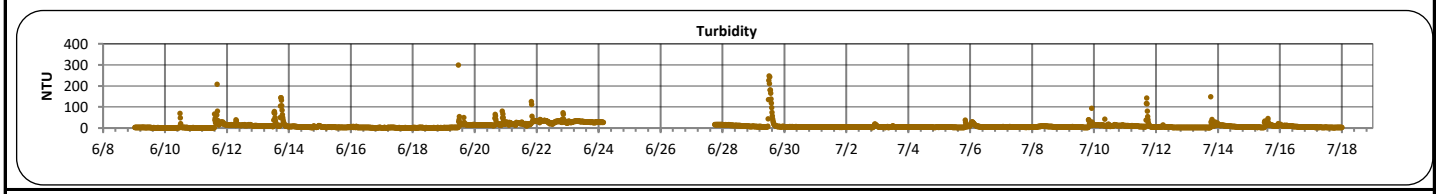
Kinley Creek B (June 8, 2023 - July 18, 2023)

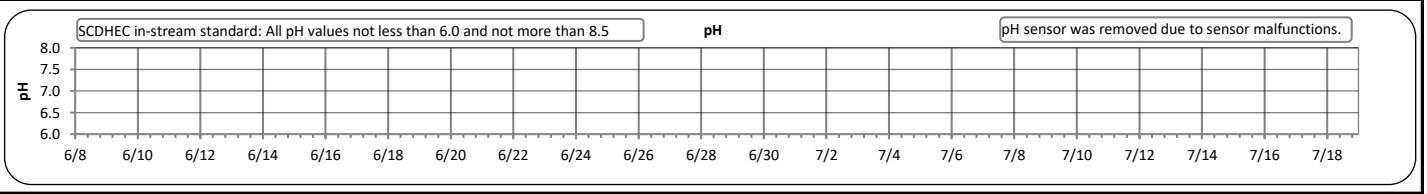
PARAMETER	DESCRIPTION
STREAM NAME:	Kinley Creek
LOCATION:	Broken Hill Rd
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212
COORDINATES:	34.06635, -81.159986
TMDL/IMPAIRMENT:	Fecal Coliform
NEIGHBORING LANDUSE:	Residential and commercial
SPATIAL LOCATION:	Most downstream site
TOTAL NO. STORMS OVER 0.1 INCH:	12
MAX. DAILY RAINFALL:	1.8 inches
TOTAL RAINFALL (FOR PERIOD):	8.3 inches

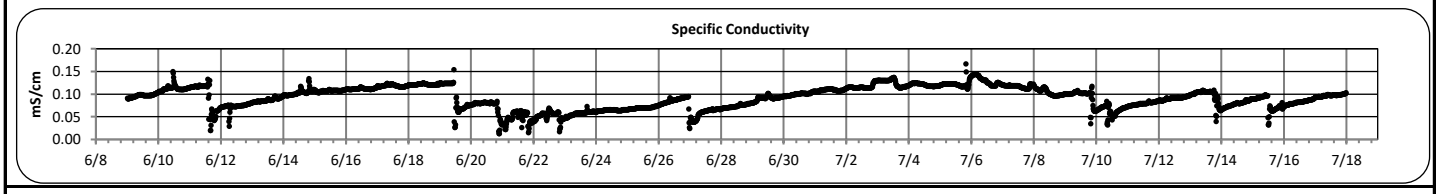
CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	0.3	3.7	0.4	0.6	0.4
TEMPERATURE (°F):	66	91	78	78	4
TURBIDITY (NTU):	2	300	6	11	17
pH:	-	-	-	-	-
SPECIFIC CONDUCTIVITY (mS/cm):	0.013	0.167	0.095	0.092	0.024
DISSOLVED OXYGEN (mg/L):	2.3	8.6	5.8	5.8	0.9

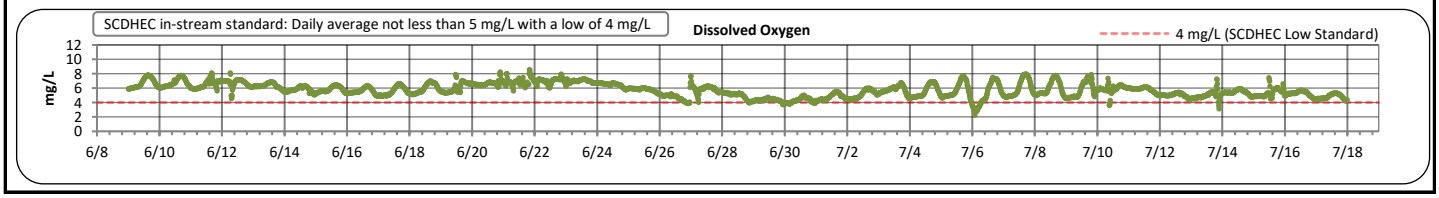












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Sampled Data:

Analyte (units)	**Sample 1**		**Sample 2**		**Sample 3**			
	6/22/2023		6/22/2023		6/22/2023			
	Time	Results	Time	Results	Time	Results		
Escherichia coli (MPN/100mL)	9:10	2,310	10:44	1,520	12:51	1,680		
Total Suspended Solids (mg/L)	9:10	28.0	10:44	21.4	12:51	22.0		
Total Phosphorus (mg/L)	9:10	0.064	10:44	0.058	12:51	0.060		
Total Nitrogen (mg/L)	9:10	1.04	10:44	0.90	12:51	0.99		

Notes:

Data Gaps

The pH sensor was removed during this monitoring period due to sensor malfunction.

Potential Illicit Discharges and Abnormal Events:

There was a spike in specific conductivity on 6/10 and 7/6, which may have been the result of a potential illicit discharge.

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