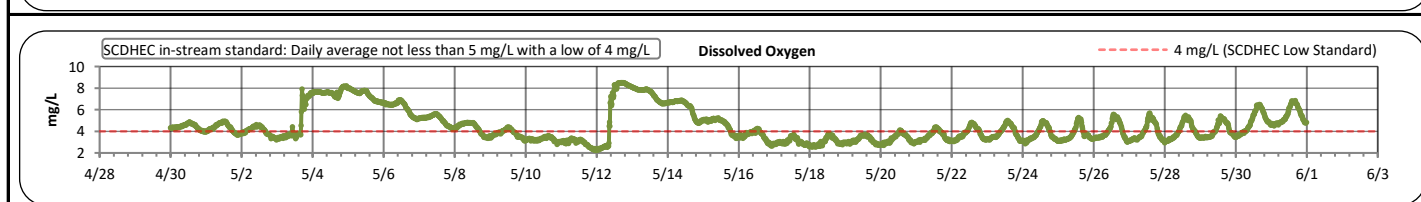
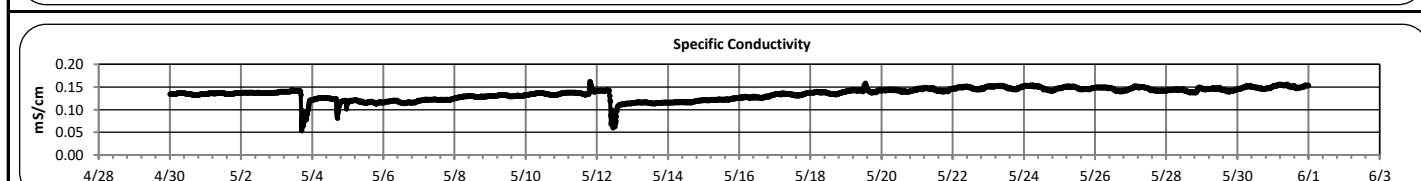
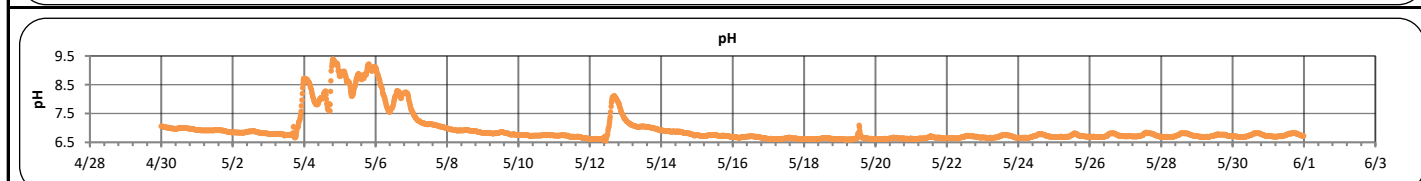
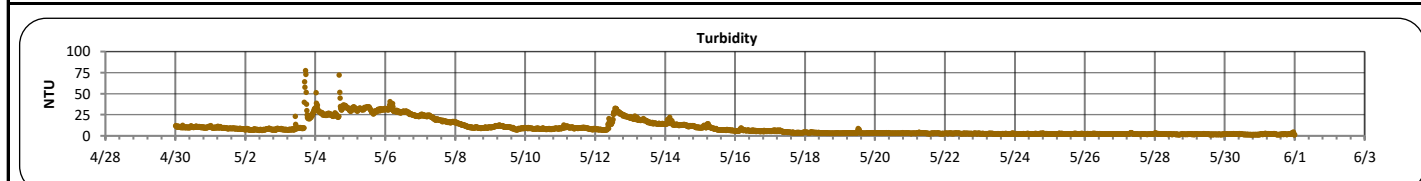
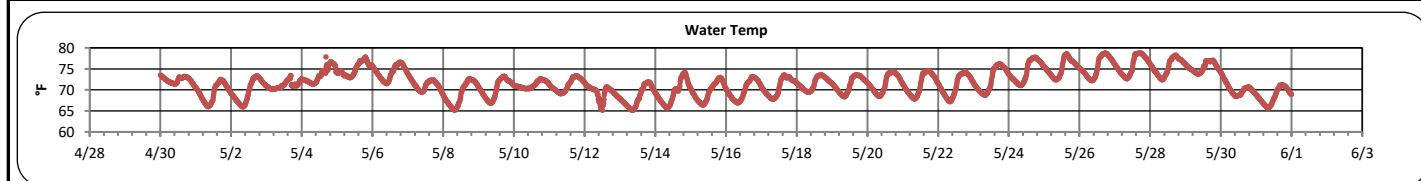
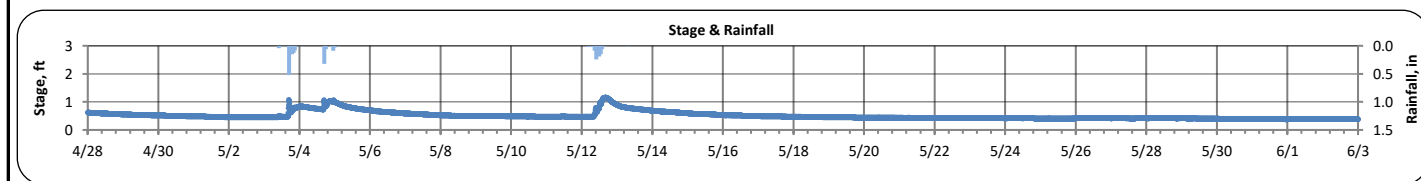


Kinley Creek A (April 28, 2021 - June 2, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.4	1.2	0.5	0.5	0.1
LOCATION:	Longhorn Steakhouse	TEMPERATURE (°F):	65	79	72	72	3
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TURBIDITY (NTU):	1	77	7	9	9
COORDINATES:	34.069897, -81.164592	pH:	6.6	9.4	6.8	7.0	0.5
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.054	0.162	0.137	0.135	0.013
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	2.2	8.5	4.0	4.5	1.5
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	4						
MAX. DAILY RAINFALL:	1.0 inches						
TOTAL RAINFALL (FOR PERIOD):	2.5 inches						



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 A (April 28, 2021 - June 2, 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.

Grab Sample Data:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/12/2021		5/12/2021		5/12/2021		5/12/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:28	4,128	12:38	6,510	13:17	2,562	13:53	2,356
Total Suspended Solids (mg/L)	11:28	14.9	12:38	23.3	13:17	25.6	13:53	35.6
Total Phosphorus (mg/L)	11:28	0.110	12:38	0.11	13:17	0.14	13:53	0.13
Total Nitrogen (mg/L)	11:28	1.82	12:38	1.6	13:17	2.3	13:53	2.07

All samples were collected during wet weather conditions.

Notes:

Data Gaps

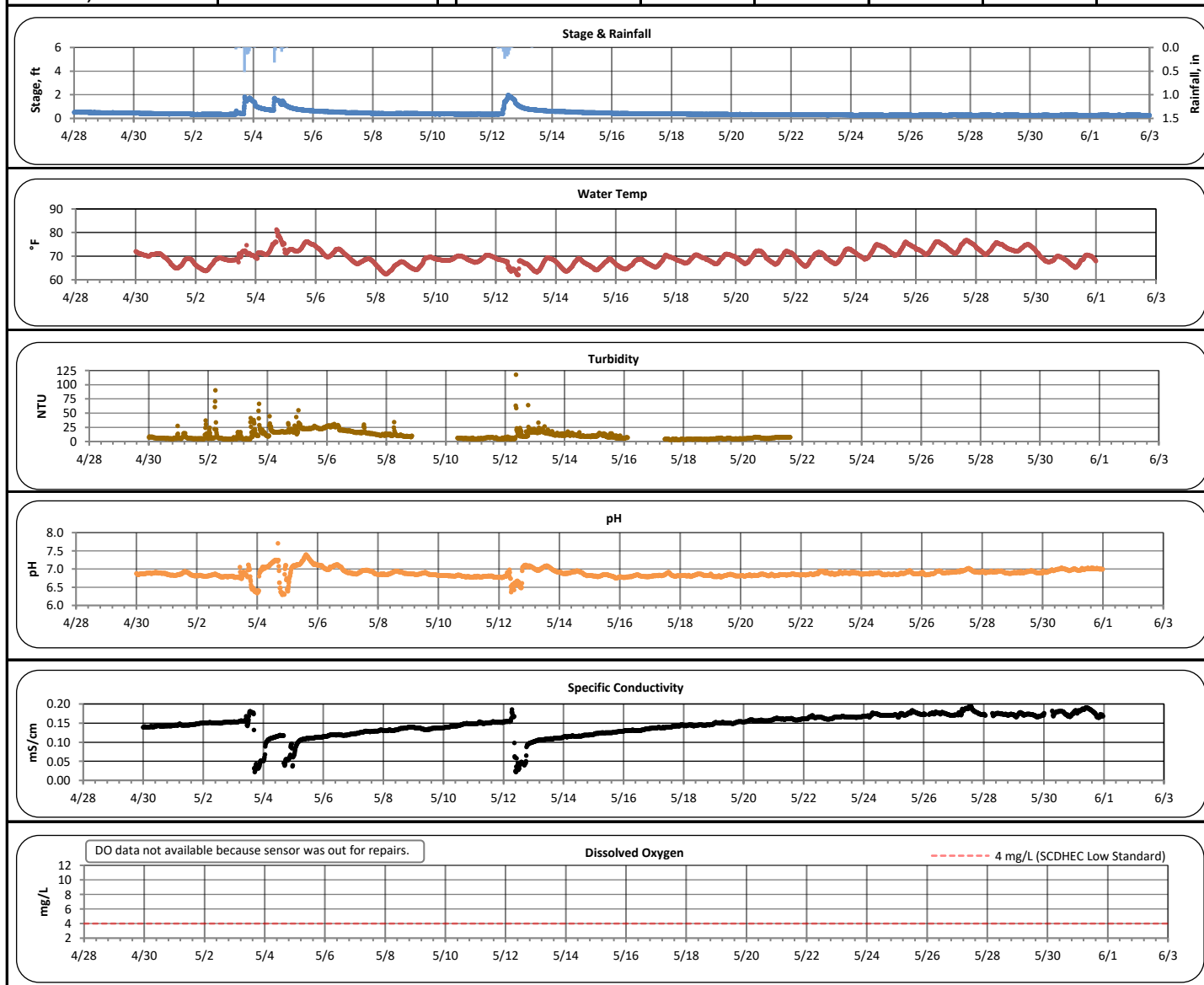
There were no data gaps at the KINA station during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

- The specific conductivity increased on May 11th and May 19th which may have been the result of illicit discharges. The turbidity and pH also increased on May 19th.
- 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.
- The pH was elevated from May 3rd to May 7th. The elevated levels began during a storm event, and may have reacted similarly to DO due to the influx of stormwater.

Kinley Creek B (April 28, 2021 - June 2, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	2.0	0.4	0.4	0.3
LOCATION:	Broken Hill Rd	TEMPERATURE (°F):	62	81	69	70	3
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TURBIDITY (NTU):	3	118	8	11	8
COORDINATES:	34.06635, -81.159986	pH:	6.3	7.7	6.9	6.9	0.1
TMDL/IMPAIEMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.022	0.195	0.149	0.144	0.029
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	-	-	-	-	-
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	4						
MAX. DAILY RAINFALL:	1.0 inches						
TOTAL RAINFALL (FOR PERIOD):	2.5 inches						



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 (April 28, 2021 - June 2, 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.

Grab Sample Data:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/12/2021		5/12/2021		5/12/2021		5/12/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:42	3,700	12:54	2,116	13:30	4,374	14:06	2,034
Total Suspended Solids (mg/L)	11:42	26.8	12:54	48.7	13:30	26.3	14:06	21.1
Total Phosphorus (mg/L)	11:42	0.081	12:54	0.095	13:30	0.078	14:06	0.08
Total Nitrogen (mg/L)	11:42	0.96	12:54	0.92	13:30	0.81	14:06	1.11

All samples were collected during wet weather conditions.

Notes:

Data Gaps

- DO data was not collected during this monitoring period, because the sensor was out for repairs.
- The turbidity sensor was fouled for multiple days from May 8th to May 10th, May 16th to May 17th, and May 21st to the end of the monitoring period. These periods of turbidity data were removed from the dataset.
- The specific conductivity sensor was unsubmerged for a few hours at a time on May 26th, May 27th, May 28th, and May 30th. These periods of specific conductivity data were removed from the dataset.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at the KINB station during this monitoring period.