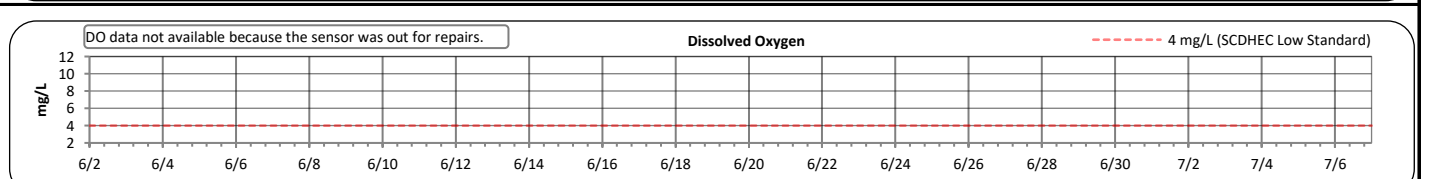
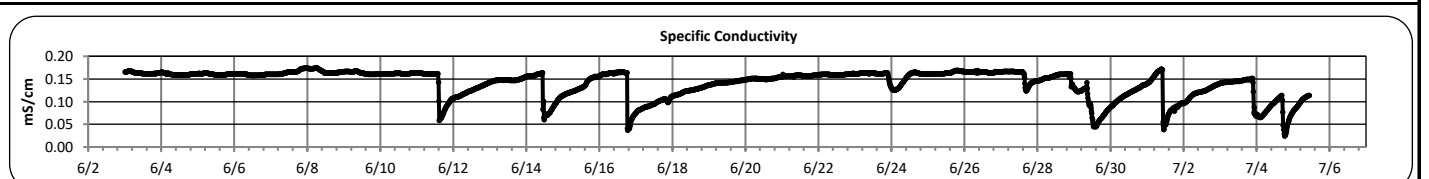
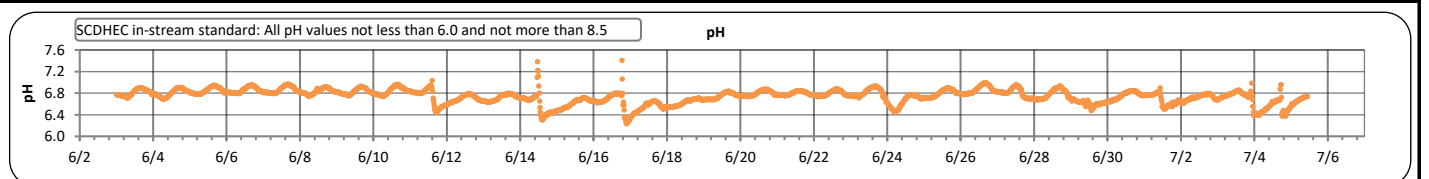
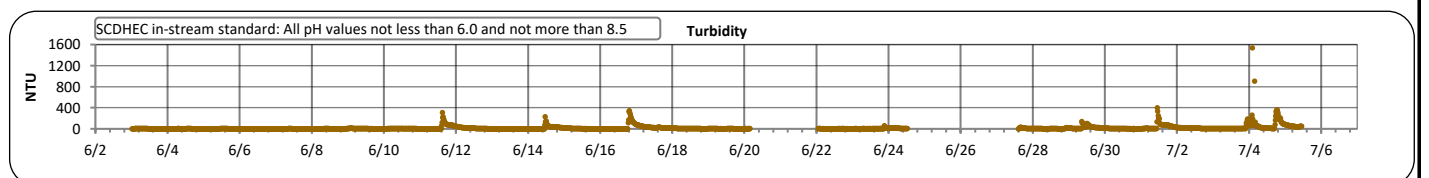
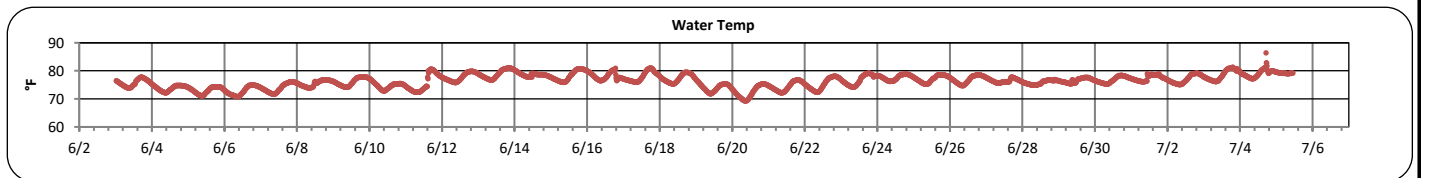
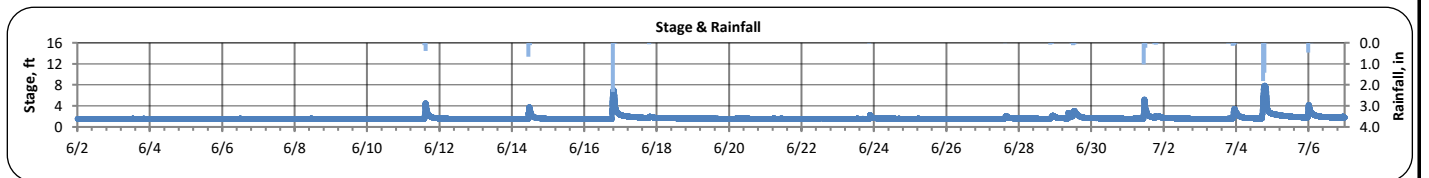


Continuous Water Quality Monitoring Periodic Report

Smith Branch A (June 2, 2022 - July 6, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	1.5	7.9	1.6	1.7	0.5
LOCATION:	Earlewood Park	TEMPERATURE (°F):	69	86	76	76	2
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	2	1539	6	18	50
COORDINATES:	34.027289,-81.04265	pH:	6.2	7.4	6.8	6.7	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.024	0.175	0.156	0.141	0.030
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	0.0	0.0	#NUM!	#DIV/0!	#DIV/0!
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	10						
MAX. DAILY RAINFALL:	3.3 inches						
TOTAL RAINFALL (FOR PERIOD):	9.9 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch A (June 2, 2022 - July 6, 2022)

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			
	6/14/2022							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:58	398						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions.

Notes:

Data Gaps

There were various gaps in turbidity data from June 20th-22nd and the 24th-27th due to fouling of the sensor. Dissolved oxygen data was not collected due to sensor repairs.

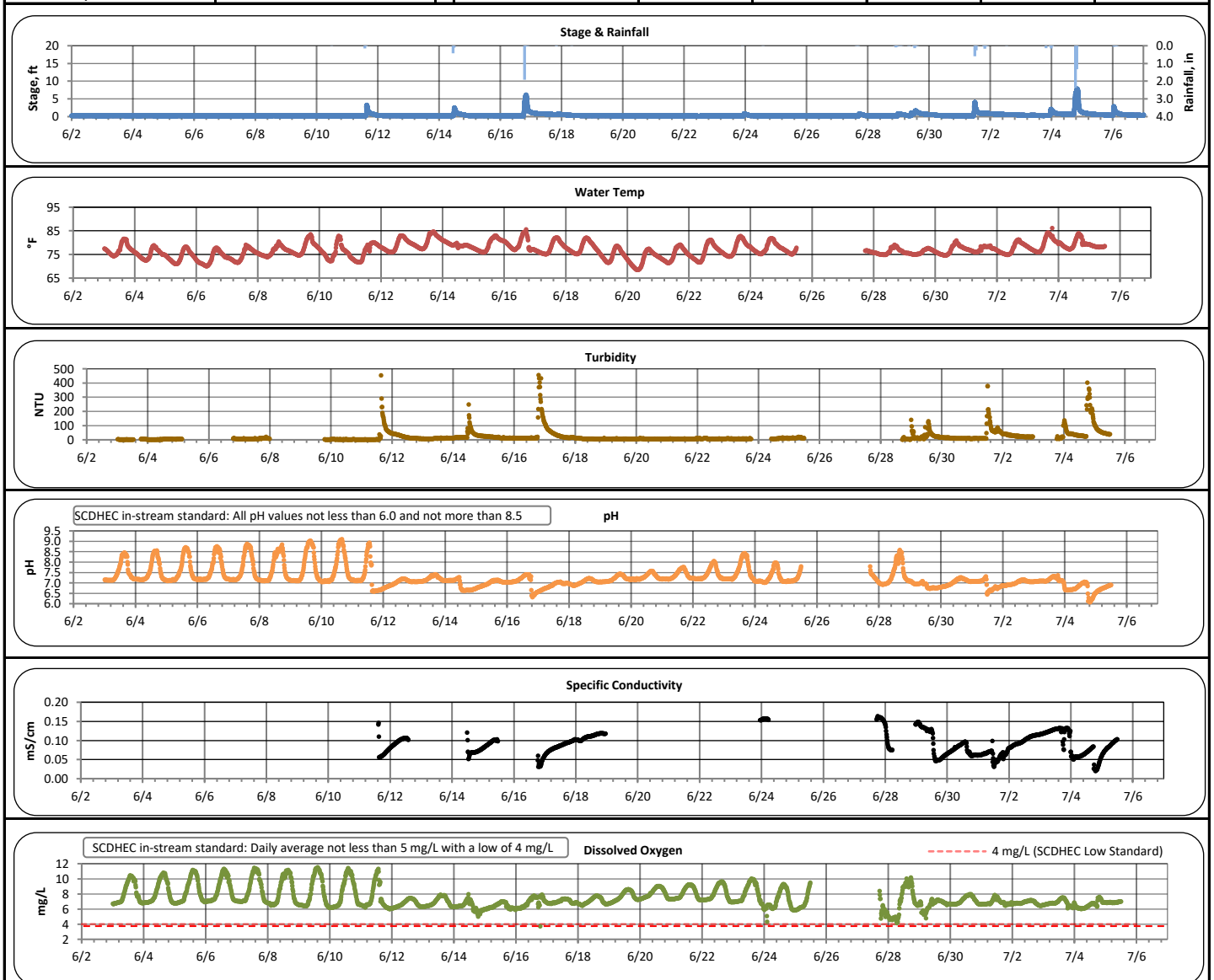
Potential Illicit Discharges and Abnormal Events:

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

Continuous Water Quality Monitoring Periodic Report

Smith Branch B (June 2, 2022 - July 6, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	0.2	7.9	0.3	0.4	0.6
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	68	86	77	77	3
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	2	456	10	24	45
COORDINATES:	34.037933,-81.0591	pH:	6.1	9.1	7.2	7.3	0.5
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.164	0.089	0.091	0.030
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	3.8	11.6	7.0	7.4	1.3
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	10						
MAX. DAILY RAINFALL:	3.7 inches						
TOTAL RAINFALL (FOR PERIOD):	8.6 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch B (June 2, 2022 - July 6, 2022)

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					
	6/14/2022		6/29/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:49	194	11:56	14540				
Total Suspended Solids (mg/L)			11:56	35.4				
Total Phosphorus (mg/L)			11:56	0.20				
Total Nitrogen (mg/L)			11:56	2.20				

Sample 1 was collected during dry weather conditions. Sample 2 was collected during wet weather conditions.

Notes:

Data Gaps

There were various gaps in turbidity and specific conductivity data due to sensors being unsubmerged. There was also a gap in data in water temperature, turbidity, pH, specific conductivity and DO from June 25th to the 27th due to fouling of the sensors.

Potential Illicit Discharges and Abnormal Events:

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