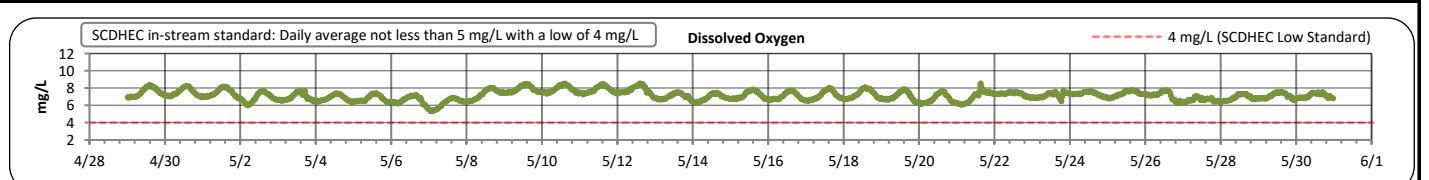
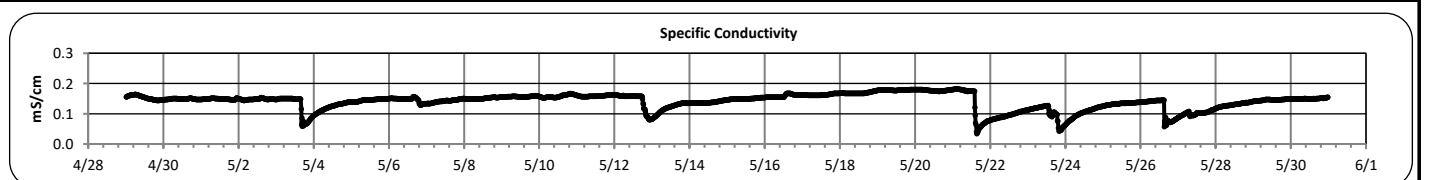
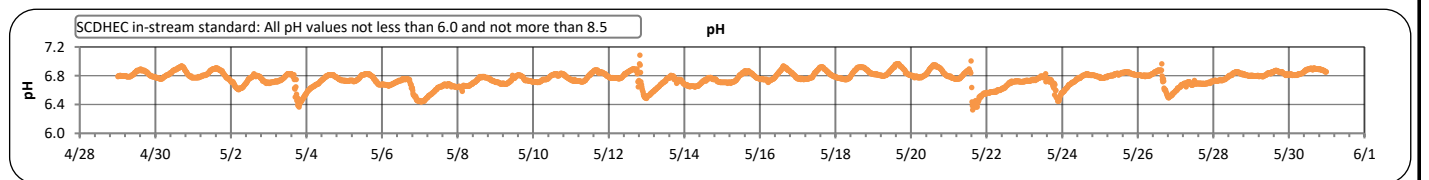
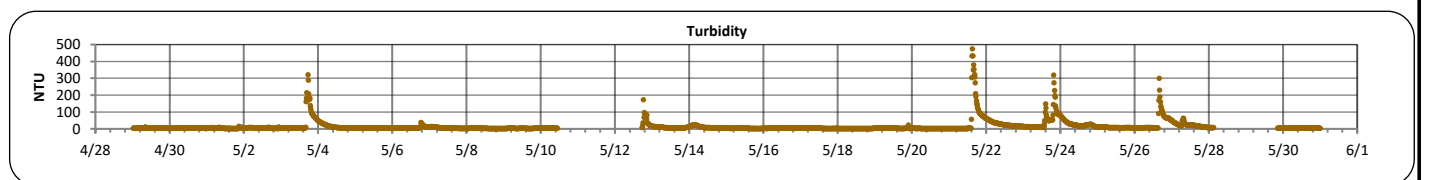
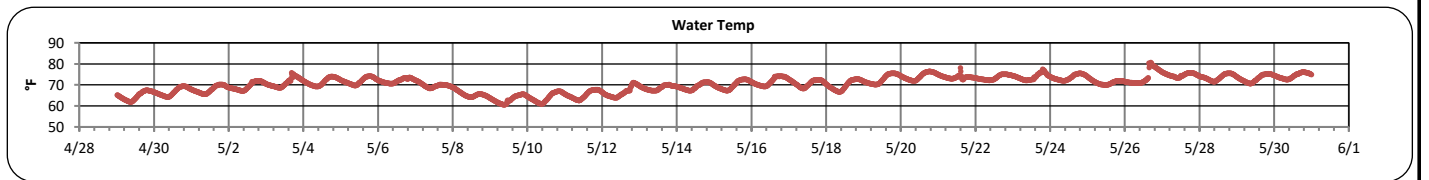
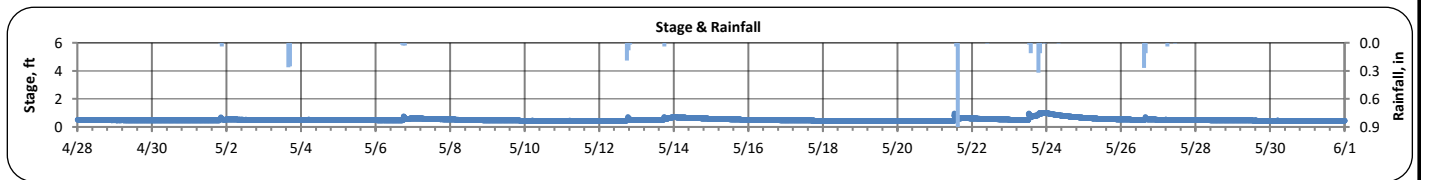


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (April 28, 2022 - June 1, 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):	0.4	1.0	0.5	0.5	0.1
LOCATION:	Earlewood Park	TEMPERATURE (°F):	61	81	71	70	4
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	2	476	5	15	35
COORDINATES:	34.027289,-81.04265	pH:	6.3	7.1	6.8	6.8	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.034	0.182	0.148	0.141	0.027
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.4	8.6	7.2	7.2	0.5
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	3.7 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (April 28, 2022 - June 1, 2022)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	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			
	5/23/2022		5/23/2022		5/23/2022			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:32	4374	14:52	8704	16:08	6896		
Total Suspended Solids (mg/L)	13:32	54.7	14:52	75.6	16:08	42.3		
Total Phosphorus (mg/L)	13:32	0.19	14:52	0.2	16:08	0.15		
Total Nitrogen (mg/L)	13:32	1.60	14:52	1.60	16:08	1.65		

All samples were collected during wet weather conditions.

**Notes:**

Data Gaps

Turbidity had a data gap from May 10th - 12th and May 28th - 29th due to sensor repairs.

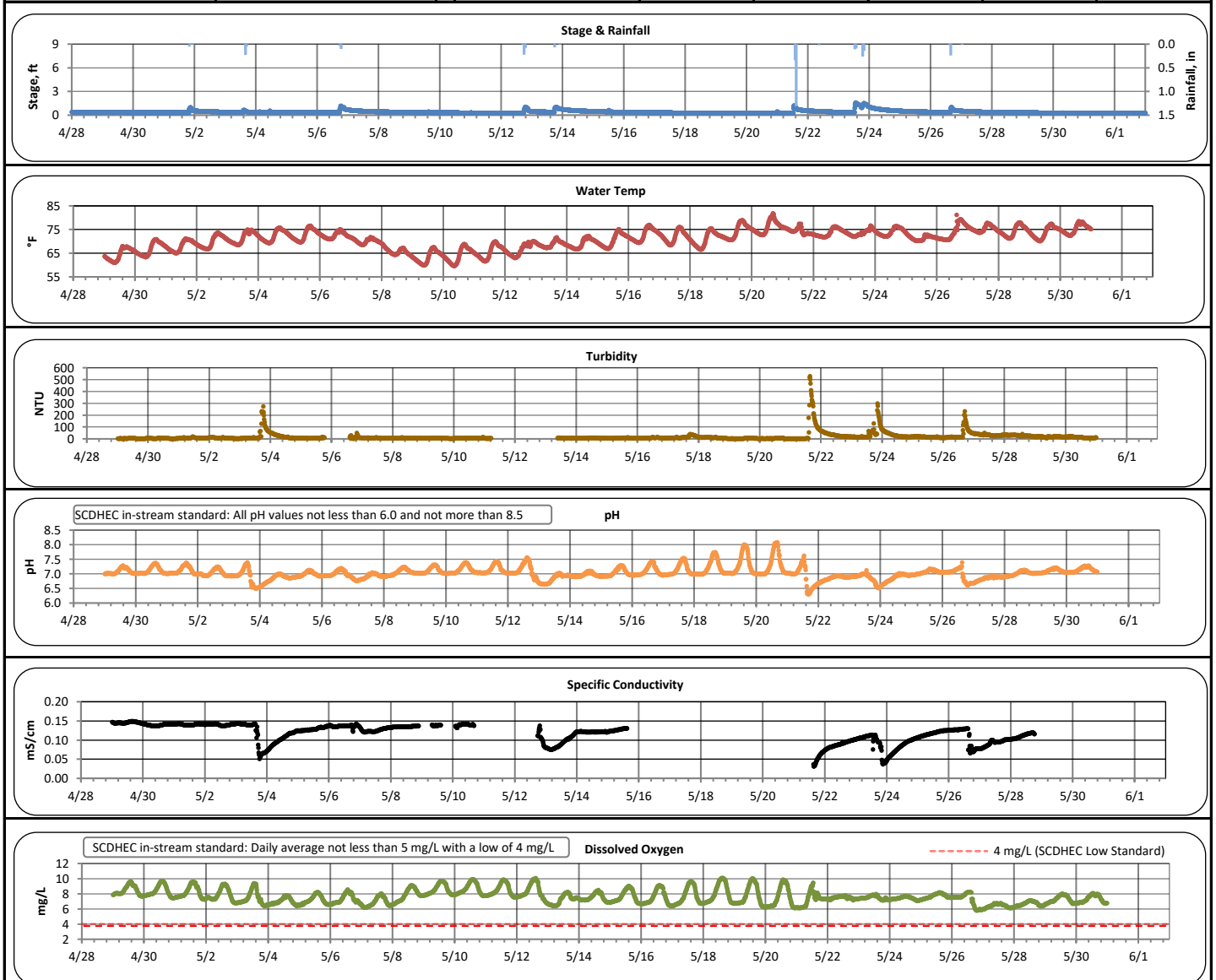
Potential Illicit Discharges and Abnormal Events:

There were no indications of a potential illicit discharge or abnormal event during this monitoring period.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (April 28, 2022 - June 1, 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):	0.3	1.6	0.4	0.4	0.2
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	60	82	71	71	4
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	3	529	9	19	37
COORDINATES:	34.037933,-81.0591	pH:	6.3	8.1	7.0	7.0	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.031	0.149	0.124	0.117	0.025
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.8	10.1	7.5	7.6	0.9
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	3.4 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (April 28, 2022 - June 1, 2022)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	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		Sample 4	
	5/20/2022		5/23/2022		5/23/2022		5/23/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:40	605	13:44	1434	15:06	4494	16:19	6510
Total Suspended Solids (mg/L)	8:40	2.1	13:44	8.3	15:06	72.0	16:19	62.8
Total Phosphorus (mg/L)			13:44	0.11	15:06	0.20	16:19	0.17
Total Nitrogen (mg/L)			13:44	0.99	15:06	1.95	16:19	1.65