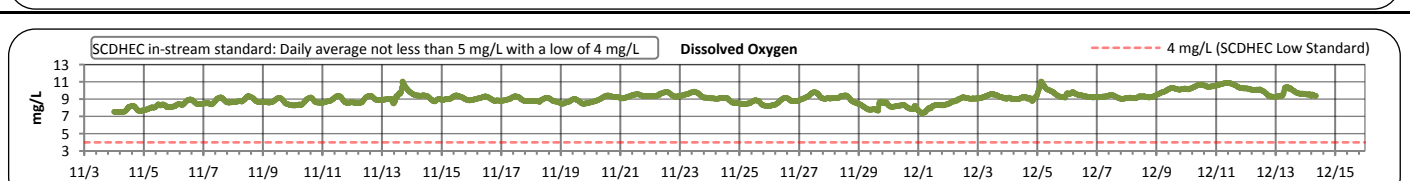
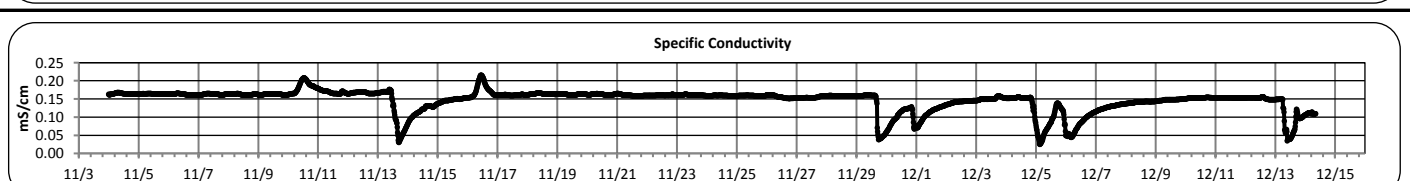
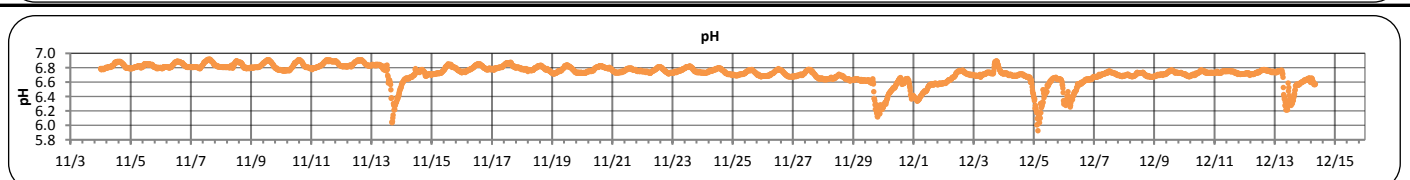
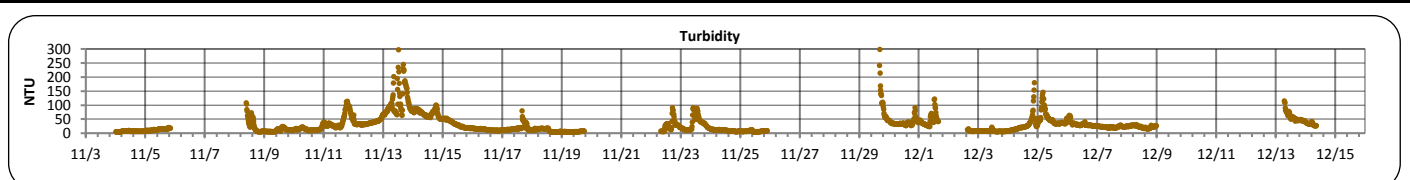
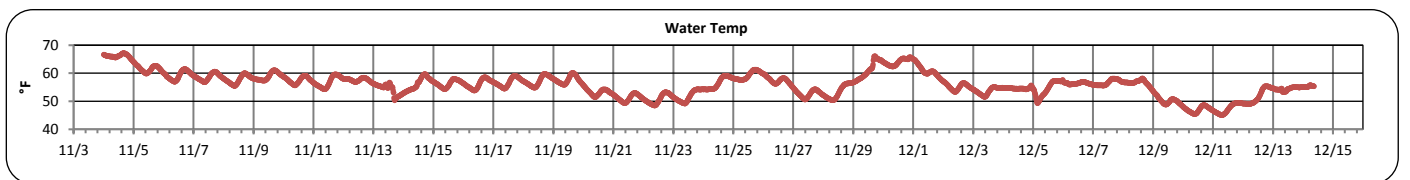
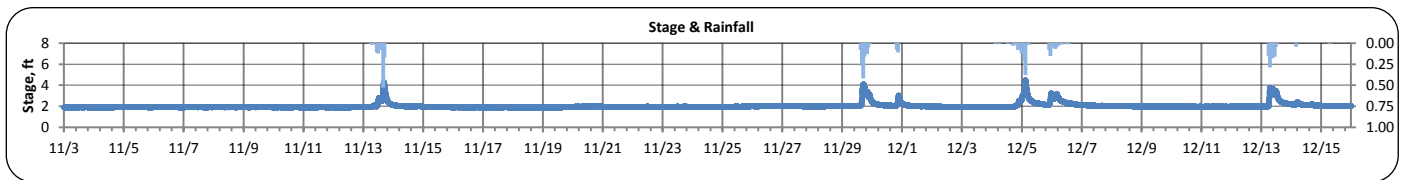


**Smith Branch A (November 3, 2016 -- December 15, 2016)**

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	1.9	4.5	2.0	2.0	0.3
LOCATION:	Earlewood Park	TEMPERATURE (°F):	45	67	56	56	4
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	5	298	22	31	31
COORDINATES:	34.027289,-81.04265	pH:	5.9	6.9	6.8	6.7	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.025	0.215	0.159	0.147	0.030
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.4	11.1	9.1	9.1	0.7
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	5.3 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**

**Smith Branch A (November 3, 2016 -- December 15, 2016)**

**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.

**Grab Sample Data:**

Analyte (units)	Sample 1		Sample 2		Sample 3	
	12/5/2016		12/5/2016		12/5/2016	
	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:01	3,570	12:40	1,764	14:11	1,508
Total Suspended Solids (mg/L)	11:01	15.8	12:40	15.1	14:11	13.2
Total Phosphorus (mg/L)	11:01	0.099	12:40	0.1	14:11	0.11
Total Nitrogen (mg/L)	11:01	0.83	12:40	0.91	14:11	0.96

Notes:

Analyte (units)	Sample 4		Sample 5		Sample 6	
	12/6/2016		12/6/2016		12/6/2016	
	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:57	3,446	10:34	2,500	12:10	2,548
Total Suspended Solids (mg/L)	8:57	13	10:34	10.4	12:10	10.4
Total Phosphorus (mg/L)	8:57	0.11	10:34	0.096	12:10	0.095
Total Nitrogen (mg/L)	8:57	1	10:34	0.91	12:10	0.91

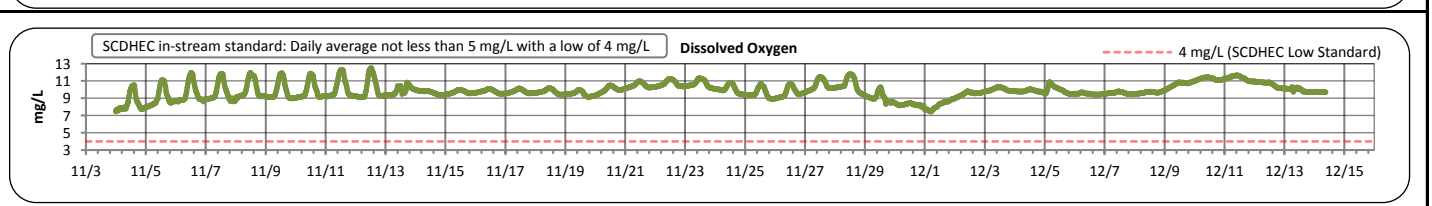
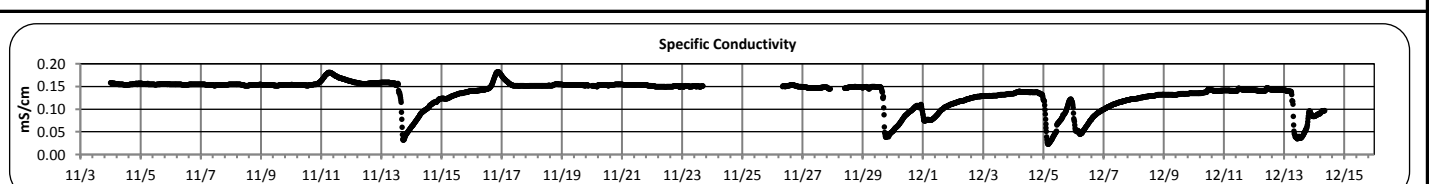
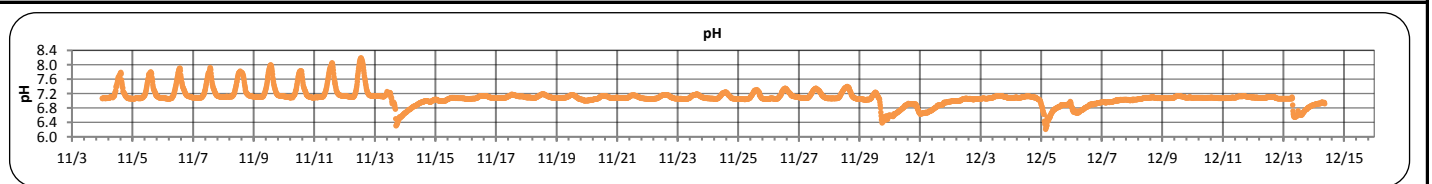
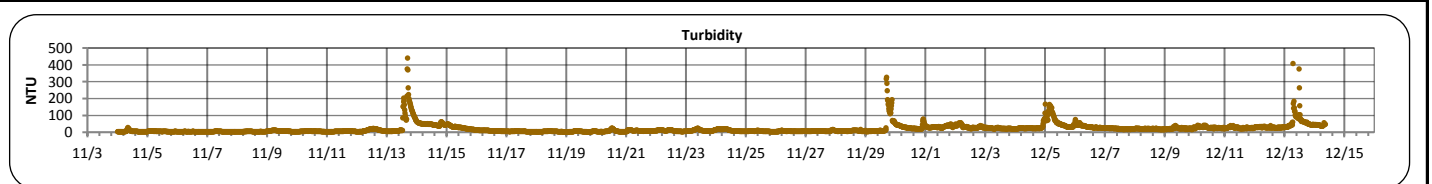
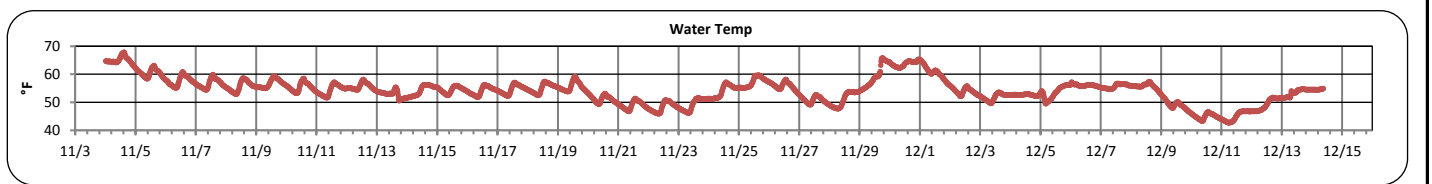
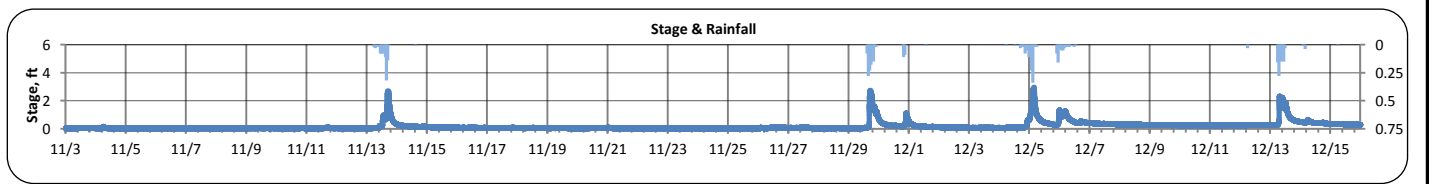
Notes:

Analyte (units)	Sample 7		Sample 8		Sample 9		Sample 10	
	12/13/2016		12/13/2016		12/13/2016		12/13/2016	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:11	4,564	11:03	5,818	13:34	4,284	15:12	2,224
Total Suspended Solids (mg/L)	9:11	74	11:03	62	13:34	35.2	15:12	24
Total Phosphorus (mg/L)	9:11	0.17	11:03	0.18	13:34	0.14	15:12	0.13
Total Nitrogen (mg/L)	9:11	0.7	11:03	0.72	13:34	0.83	15:12	0.82

Notes:

**Smith Branch B (November 3, 2016 -- December 15, 2016)**

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	0.0	3.0	0.1	0.1	0.3
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	43	68	55	54	5
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	3	442	12	22	29
COORDINATES:	34.037933,-81.0591	pH:	6.2	8.2	7.1	7.1	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.023	0.182	0.147	0.134	0.031
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.5	12.5	9.8	9.9	0.9
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.0 inches						
TOTAL RAINFALL (FOR PERIOD):	4.9 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**

**Smith Branch B (November 3, 2016 -- December 15, 2016)**

**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	
	12/5/2016		12/5/2016		12/5/2016	
	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:18	3,570	12:54	3,232	14:26	2,842
Total Suspended Solids (mg/L)	11:18	21.6	12:54	15	14:26	21.4
Total Phosphorus (mg/L)	11:18	0.12	12:54	0.091	14:26	0.088
Total Nitrogen (mg/L)	11:18	0.67	12:54	0.82	14:26	0.74

Notes:

Analyte (units)	Sample 4		Sample 5		Sample 6	
	12/6/2016		12/6/2016		12/6/2016	
	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:10	1,816	10:48	1,092	12:21	1,920
Total Suspended Solids (mg/L)	9:10	16.8	10:48	12.9	12:21	10.9
Total Phosphorus (mg/L)	9:10	0.092	10:48	0.088	12:21	0.086
Total Nitrogen (mg/L)	9:10	0.82	10:48	0.72	12:21	0.63

Notes:

Analyte (units)	Sample 7		Sample 8		Sample 9		Sample 10	
	12/13/2016		12/13/2016		12/13/2016		12/13/2016	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:31	6,152	11:21	4,448	13:45	4,962	15:22	3,130
Total Suspended Solids (mg/L)	9:31	98	11:21	76	13:45	42.8	15:22	34.9
Total Phosphorus (mg/L)	9:31	0.19	11:21	0.17	13:45	0.14	15:22	0.13
Total Nitrogen (mg/L)	9:31	0.68	11:21	0.72	13:45	0.68	15:22	0.68

Notes: