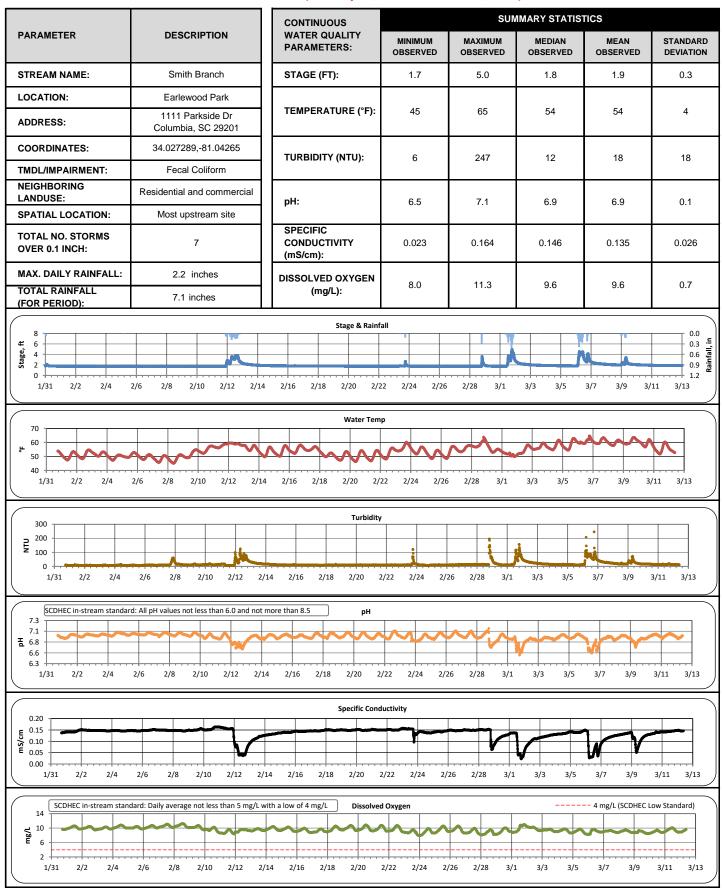
#### Smith Branch A (January 31, 2024 - March 12, 2024)



### Smith Branch A (January 31, 2024 - March 12, 2024)

# **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:** No samples were collected at SMI A during this monitoring period.

Analyte (units)									
	Time	Results	Time	Results	Time	Results	Time	Results	
Escherichia coli									
(MPN/100mL)									
Total Suspended									
Solids (mg/L)									
Total Phosphorus (mg/L)									
Total Nitrogen (mg/L)									

## Notes:

Data Gaps

There were no data gaps during this monitoring period.

## Potential Illicit Discharges and Abnormal Events:

No potential abnormal events were identified during this monitoring period.

# Smith Branch B (January 31, 2024 - March 12, 2024)

	CONTINUOUS					SUMMARY STATISTICS											
PARAMETER	DESCRIPTION				WATER QUALITY PARAMETERS:			MINIMUM OBSERVED		MAXIMUM OBSERVED			MEDIAN OBSERVED				
STREAM NAME:	Smith Branch			ון	STAGE (FT):				-	-			-		-		-
LOCATION:	Off Mountain Drive			11	TEMPERATURE (°F):												
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203			4			46		64		54		54		4		
COORDINATES:	34.037933,-81.0591			11	TURBIDITY (NTU):			-	303		7			40		0	
TMDL/IMPAIRMENT:	Fecal Coliform			] [				5		303		7		19		8	
NEIGHBORING LANDUSE:	Residentia	idential and commercial			pH:		F	6.4		7.4		7.2		7.2	0	.1	
SPATIAL LOCATION:	Most Downstream Site			]							7.4			1.2			
TOTAL NO. STORMS OVER 0.1 INCH:	1			SPECIFIC CONDUCTIVITY (mS/cm):			0.	013	0.151		0.137		0.123		0.0	)31	
MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR PERIOD):	- inches			DISSOLVED OXYGEN (mg/L):		٤	3.8	11.2		1	10.1		10.0		.6		
						Star	ge & Rainf										
<b>#</b> 4						Jude											0.0 0.2
2 ge																	0.2 0.3 0.5
0 +	2/6 2/8	2/10	2/12 2/	14	2/16	2/18 2/	20 2/2	2 2/2	4 2/26	2/28	3 3/1	3/3	3/5	3/7	3/9 3/2	11 3/1	
						v	Vater Tem	р									
70	_			-													
70 60 50		<u></u>			~~			~~	~	$\sim$	~	~	~~	<u> </u>	~~	$\sim$	
₩ <sup>60</sup> 50 40 30																	
₩ <sup>60</sup> 50 40 30	2/6 2/8	2/10	2/12 2	/14	2/16	2/18 2,	/20 2/			6 2/2	28 3/1	3/3	3/5	3/7	3/9 3	/11 3/	13
60 50 40 30 1/31 2/2 2/4	2/6 2/8	2/10	2/12 2,	/14	2/16	2/18 2,		22 2/2		6 2/2	28 3/1	3/3	3/5	3/7	3/9 3	/11 3/	13
400 400 300	2/6 2/8	2/10	2/12 2,	/14	2/16	2/18 2,	/20 2/	22 2/2		5 2/2	28 3/1	3/3	3/5	3/7	3/9 3	/11 3/	13
400	2/6 2/8	2/10	2/12 2,	/14	2/16	2/18 2,		22 2/2		5 2/2	28 3/1	3/3	3/5	3/7	3/9 3	/11 3/	13
400 200 400 200 400 200 400 200	2/6 2/8			2/14			Turbidity	22 2/2			28 3/1		3/5	3/7			13
400 1/31 2/2 2/4							Turbidity	22 2/2	24 2/20								-
400 1/31 2/2 2/4	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity	22 2/2	24 2/20								
€ 60 40 1/31 2/2 2/4 € 400 1/31 2/2 2/4 € 400 1/31 2/2 2/4 € 500 1/31 2/2 2/4 € 500 1/31 2/2 2/4 € 500 1/31 2/2 2/4	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity	22 2/2	24 2/20								
€ 60 50 40 30 1/31 2/2 2/4 € 7.5 € 7.5 6.5 € 7.0 6.5	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity	22 2/2	24 2/20								-
€ 60 40 1/31 2/2 2/4 € 7.5 E 7.5 6.5 6.0	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity 2/20 2 pH		24 2/20	26 2/	/28 3/1	3/3			3/9	3/11 3	-
€ 60 40 30 1/31 2/2 2/4 € 200 100 0 1/31 2/2 2/4 € 200 1/31 2/2 2/4 € 200 1/31 2/2 2/4 € 200 1/31 2/2 2/4	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity   2/20   pH   2/20   2/20	22 2/:	24 2/20	26 2/	/28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
€ 60 40 30 1/31 2/2 2/4 € 200 100 0 1/31 2/2 2/4 € 200 1/31 2/2 2/4 € 200 1/31 2/2 2/4 € 200 1/31 2/2 2/4	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity 2/20 2 pH	22 2/:	24 2/20	26 2/	/28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
$H = \begin{pmatrix} 60 \\ 50 \\ 40 \\ 30 \\ 1/31 \\ 2/2 \\ 2/4 \end{pmatrix}$	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity   2/20   pH   2/20   2/20	22 2/:	24 2/20	26 2/	/28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
€ 0.20 0.15 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.0	2/6 2/8	2/10	2/12	2/14	2/16	2/18	Turbidity   2/20   pH   2/20   2/20	22 2/:	24 2/20	26 2/	/28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
€ 60 50 40 300 1/31 2/2 2/4 € 400 300 1/31 2/2 2/4 € 50DHEC in-stream standa 7.5 6.0 1/31 2/2 2/4 € 0.20 0.13 0.20 0.13 0.20 0.13 0.20 0.13 0.20 0.13 0.20 0.13 0	2/6 2/8	2/10	2/12 an 6.0 and r 2/12 2	2/14	2/16	2/18 5 2/18 2 2/18 2 5 5	Turbidity   2/20   pH   2/20   get   pc   cific Conc   cific Conc	22 2/: 22 2/: 2/22 2 2/22 2 3uctivity	24 2/20	26 2/	/28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
	2/6 2/8	2/10 5 not less that 2/10 2/10 2/10	2/12 2/12 2/12 2/12 2/12	2/14 oot me //14	2/16	2/18 5 2/18 2/18 2/18 2/18	Turbidity   2/20 2   pH 2/20 2   cific Cone 2/20 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2	22 2/: 22 2/: 2/22 2/ 2/22 2/ 3uctivity	24 2/20	26 2/	28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
$H = \begin{pmatrix} 60 \\ 50 \\ 40 \\ 30 \\ 1/31 \\ 2/2 \\ 2/4 \\ \end{pmatrix}$	2/6 2/8	2/10 5 not less that 2/10 2/10 2/10	2/12 2/12 2/12 2/12 2/12	2/14 oot me //14	2/16	2/18 5 2/18 2/18 2/18 2/18	Turbidity   2/20   pH   2/20   cific Conc   cific Conc	22 2/: 22 2/: 2/22 2/ 2/22 2/ 3uctivity	24 2/20	26 2/	28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
$H = \begin{pmatrix} 60 \\ 50 \\ 40 \\ 30 \\ 1/31 \\ 2/2 \\ 2/4 \\ \end{pmatrix}$	2/6 2/8	2/10 5 not less that 2/10 2/10 2/10	2/12 2/12 2/12 2/12 2/12	2/14 oot me //14	2/16	2/18 5 2/18 2/18 2/18 2/18	Turbidity   2/20 2   pH 2/20 2   cific Cone 2/20 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2	22 2/: 22 2/: 2/22 2/ 2/22 2/ 3uctivity	24 2/20	26 2/	28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13
	2/6 2/8	2/10 5 not less that 2/10 2/10 2/10	2/12 2/12 2/12 2/12 2/12	2/14 oot me //14	2/16	2/18 5 2/18 2/18 2/18 2/18	Turbidity   2/20 2   pH 2/20 2   cific Cone 2/20 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2   2/20 2 2 2	22 2/: 22 2/: 2/22 2/ 2/22 2/ 3uctivity	24 2/20	26 2/	28 3/1	3/3	3/5	3/7	3/9	3/11 3	/13

REPORT GENERATED ON 4/19/2024

### Smith Branch B (January 31, 2024 - March 12, 2024)

## **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.
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STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

### Sampled Data: No samples were collected at SMI B during this monitoring period.

Analyte (units)									
	Time	Results	Time	Results	Time	Results	Time	Results	
Escherichia coli (MPN/100mL)									
Total Suspended Solids (mg/L)									
Total Phosphorus (mg/L)									
Total Nitrogen (mg/L)									

## Notes:

Data Gaps

Maintenance crews could not respond to sensor fouling during this monitoring period due to telemetry issues. Stage and rainfall data reside in the on-site datalogger. This periodic report will be updated at a later date to include stage and rainfall data for the monitoring period. The water quality parameters: turbidity, specific conductivity, and DO data were removed from 2/13 through 3/31 due to inaccurate readings.

## Potential Illicit Discharges and Abnormal Events:

No potential abnormal events were identified during this monitoring period.