



Smith Branch A (April 28, 2021 - June 2, 2021)



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Smith Branch 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.

Sampled Data:

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	5/12/2021		5/13/2021		5/14/2021		5/15/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:30	8,212	12:30	5,226	13:46	6,510	14:27	2,878
Total Suspended Solids (mg/L)	11:30	50	12:30	35.7	13:46	36	14:27	28.8
Total Phosphorus (mg/L)	11:30	0.13	12:30	0.10	13:46	0.11	14:27	0.1
Total Nitrogen (mg/L)	11:30	1.04	12:30	0.96	13:46	0.98	14:27	1

Analyte (units)	Sample 5		Sample 6		Sample 7		Sample 8	
	5/12/2021							
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	12:52	342						
Total Suspended Solids (mg/L)	12:52	3.8						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Samples 1-4 were collected during wet weather conditions. Sample 5 was collected during dry weather conditions.

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Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased from May 8th to May 11th, which may have been the result of an illicit discharge.





Smith Branch B (April 28, 2021 - June 2, 2021)



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REPORT GENERATED ON 06/16/2021

Smith Branch 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.

Sampled Data:

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	5/12/2021		5/13/2021		5/14/2021		5/15/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:50	13,730	12:50	5,510	13:55	4,620	14:36	6,510
Total Suspended Solids (mg/L)	11:50	82.4	12:50	53.6	13:55	56.7	14:36	46.7
Total Phosphorus (mg/L)	11:50	0.17	12:50	0.12	13:55	0.13	14:36	0.14
Total Nitrogen (mg/L)	11:50	1.28	12:50	1.07	13:55	0.98	14:36	0.95

All samples were collected during wet weather conditions.

Notes:

Data Gaps

• The sonde was unsubmerged from May 28th to the end of the monitoring period, so that period of temperature, specific conductivity, DO, and pH data was removed from the dataset.

• Additional periods of specific conductivity data were removed due to unsubmergence of the sensor on May 21st and May 27th.

• The SMIB rain gauge data was not available during this monitoring period, because of a clog in the rain gauge mechanism that prevented accurate rainfall measurement.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased from May 8th to May 11th, which may have been the result of an illicit discharge.