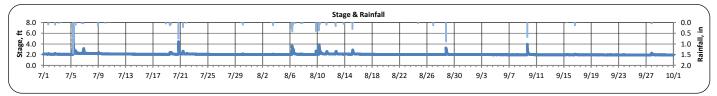
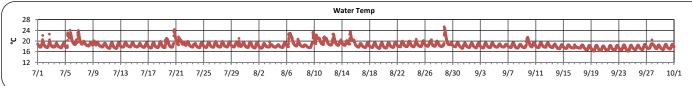


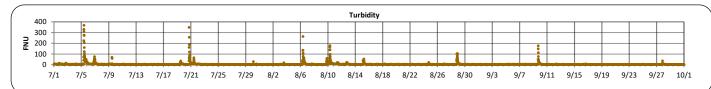


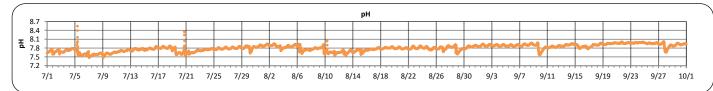
PARAMETER	DESCRIPTION
STREAM NAME:	Stringers Branch
LOCATION:	Signal Mountain Rd
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat Alteration
APPROX. DRAINAGE AREA:	5.7 square miles
TOTAL NO. STORMS OVER 0.1 INCH:	23
MAX. DAILY RAINFALL:	1.9 inches
TOTAL RAINFALL (FOR PERIOD):	10.6 inches

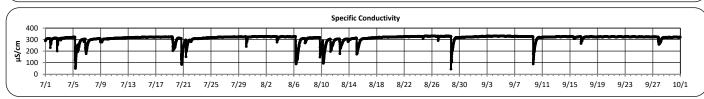
CONTINUOUS		SUMMARY STATISTICS								
WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION					
STAGE (FT):	2.0	7.7	2.0	2.1	0.2					
TEMPERATURE (°C):	16	25	18	18	1					
TURBIDITY (FNU):	1	368	3	5	13					
рН:	7.5	8.6	7.8	7.8	0.1					
SPECIFIC CONDUCTIVITY (μS/cm):	45	332	322	313	30					
DISSOLVED OXYGEN (mg/L):	7.6	10.3	9.7	9.6	0.4					

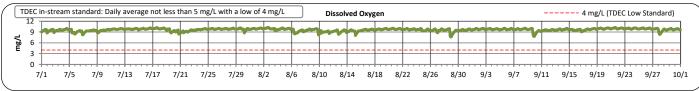
















### **Explanation of Statistics:**

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 Stringers Branch at Signal Mountain 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:

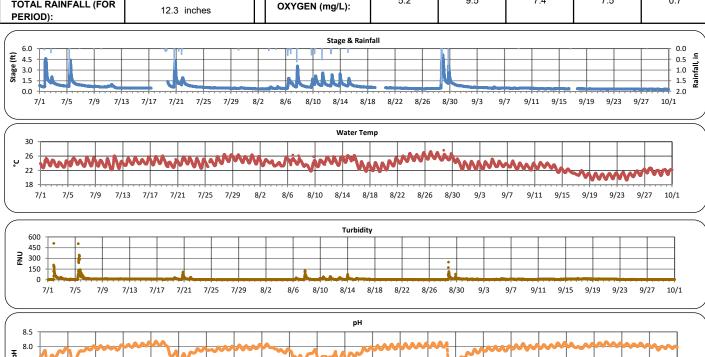
**Data Gaps** 

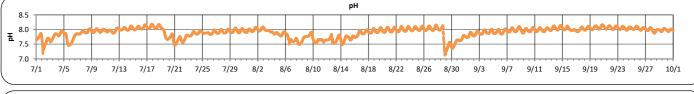
There were no data gaps at the Stringers Branch at Signal Mountain location during this monitoring period.

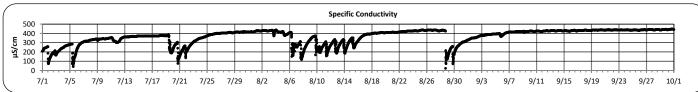


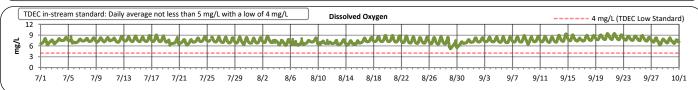


						Water	Quality Progra	
		CONTINUOUS WATER	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Friar Branch	STAGE (FT):	0.3	5.2	0.5	0.7	0.5	
LOCATION:	Polymer Drive Bridge	TEMPERATURE (°C):	19	28	24	24	2	
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat Alteration	TURBIDITY (FNU):	1	510	6	9	18	
TWO DIMIT AIRWENT.		pH:	7.1	8.2	8.0	7.9	0.2	
APPROX. DRAINAGE AREA:	20.7 square miles	SPECIFIC	0.4	447			70	
TOTAL NO. STORMS OVER 0.1 INCH:	18	CONDUCTIVITY (μS/cm):	24	447	399	367	79	
MAX. DAILY RAINFALL:	2.4 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	12.3 inches	OXYGEN (mg/L):	5.2	9.5	7.4	7.5	0.7	













### **Explanation of Statistics:**

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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:**

	Dry Sa	ample						
Analyte (units)	9/19/	/2023						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:15	100						
Total Suspended Solids (mg/L)	11:15	2.8						
Total Phosphorus (mg/L)	11:15	<0.500						
Total Nitrogen (mg/L)	11:15	1.14*						

<sup>\*</sup>Value represents Nitrate/Nitrite concentrations only. TKN was below the detection limit of 0.5 mg/L.

#### **Notes:**

#### **Data Gaps**

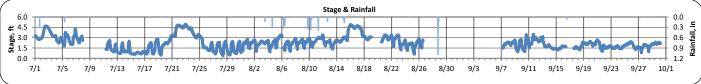
Sonde data are unavailable for a portion of 7/25 due to the sonde being calibrated during that time. Stage data are unavailable on 7/17-7/19, 8/19-8/20, 9/16-9/17 due to equipment reporting issues.

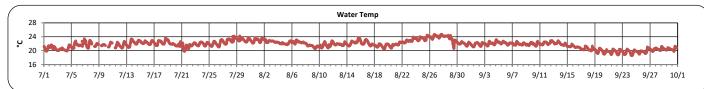


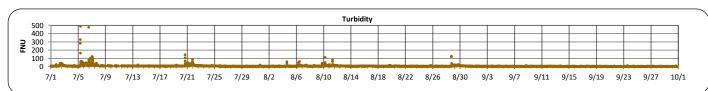


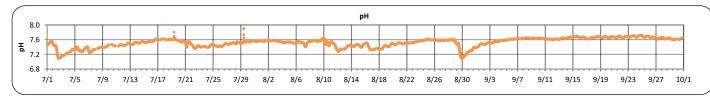


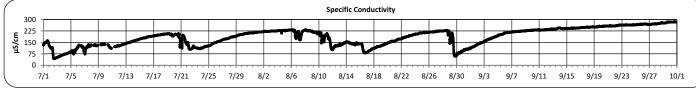
		CONTINUOUS	CONTINUOUS SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	N. Chick Creek	STAGE (FT):	0.4	5.0	2.2	2.3	1.0	
LOCATION:	Greenway Farms Boat Launch	TEMPERATURE (°C):	19	25	22	22	1	
TMDL/IMPAIRMENT:	pH, Siltation, Habitat Alteration	TURBIDITY (FNU):	1	488	5	8	12	
IMDE/IMPAIRMENT.	pri, Sitation, Habitat Alteration	pH:	7.1	7.9	7.6	7.5	0.1	
APPROX. DRAINAGE AREA:	117.4 squre miles	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	19	CONDUCTIVITY (μS/cm):	44	288	199	187	56	
MAX. DAILY RAINFALL:	1.7 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	12.1 inches	OXYGEN (mg/L):	4.9	8.3	6.8	6.8	0.6	

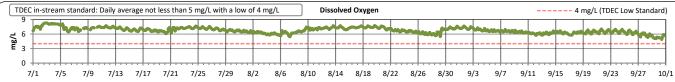
















### **Explanation of Statistics:**

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MAXIMUM OBSERVED	The maximum of the values recorded by the datasonde in 15 minute intervals.
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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:**

	Dry Sa	Dry Sample						
Analyte (units)	9/19/	/2023						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:55	190						
Total Suspended Solids (mg/L)	10:55	13						
Total Phosphorus (mg/L)	10:55	<0.500						
Total Nitrogen (mg/L)	10:55	0.532*						

<sup>\*</sup>Value represents Nitrate/Nitrite concentrations only. TKN was below the detection limit of 0.5 mg/L.

#### **Notes:**

#### **Data Gaps**

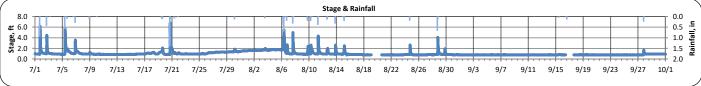
Sonde data are periodically unavailable between 7/7-7/11 and on 9/30 due to equipment reporting issues. Stage data are unavailable on 7/7-7/11, 8/6, 8/19-8/20, 8/26-9/7, 9/16-9/17, and 9/30 due to equipment reporting issues.

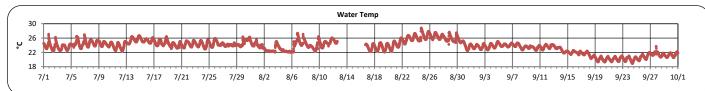


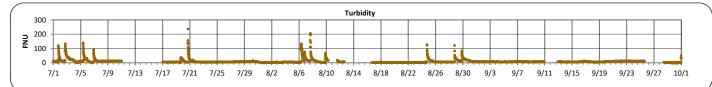


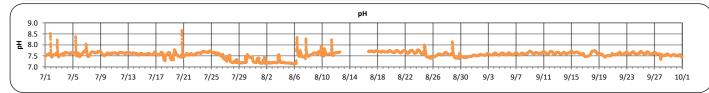


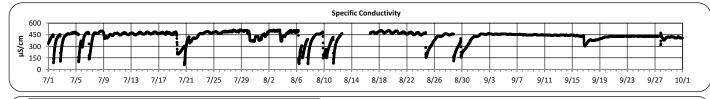
							Quality Progr		
		CONTINUOUS		SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Dobbs Branch	STAGE (FT):	0.7	6.8	0.9	1.0	0.4		
LOCATION:	Park City Park	TEMPERATURE (°C):	19	29	24	24	2		
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat	TURBIDITY (FNU):	1	237	7	10	13		
IMDL/IMPAIRMENT:	Alteration	pH:	7.1	8.7	7.6	7.6	0.2		
APPROX. DRAINAGE AREA:	6.2 square miles	SPECIFIC					_,		
TOTAL NO. STORMS OVER 0.1 INCH:	23	CONDUCTIVITY (μS/cm):	62	512	448	427	74		
MAX. DAILY RAINFALL:	1.6 inches	DISSOLVED							
TOTAL RAINFALL (FOR PERIOD):	10.8 inches	OXYGEN (mg/L):	0.0	7.9	2.5	2.6	1.8		

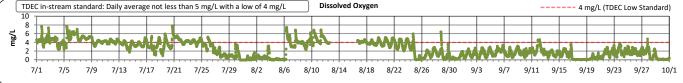
















### **Explanation of Statistics:**

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MAXIMUM OBSERVED	The maximum of the values recorded by the datasonde in 15 minute intervals.
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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)	Dry Sample							
	9/19/2023							
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:15	610						
Total Suspended Solids (mg/L)	10:15	6						
Total Phosphorus (mg/L)	10:15	<0.500						
Total Nitrogen (mg/L)	10:15	0.213*						

<sup>\*</sup>Value represents Nitrate/Nitrite concentrations only. TKN was below the detection limit of 0.5 mg/L.

#### Notes:

#### **Data Gaps**

Sonde data are unavailable between 8/12-8/16 due to a faulty SOA. The SOA was replaced on 8/16. Turbidity data were removed between 7/11-7/16, 8/10-8/11, 9/10-9/12, and 9/25-9/28 due to fouling. Stage data are unavailable between 8/19-8/20 and 9/16-9/17 due to equipment reporting issues.







DADAMETER		CONTINUOUS		SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED			MEAN OBSERVED	STANDARI DEVIATION		
STREAM NAME:	Mountain Creek	STAGE (FT):	1.5	3.5	1.7	1.7	0.1		
LOCATION:	Red Bank Elementary School	TEMPERATURE (°C):	18	26	23	22	2		
TMDL/IMPAIRMENT:  E. coli , Siltation, Habita Alteration		TURBIDITY (FNU	: 2	322	4	5	11		
	Alteration	pH:	7.5	8.0	7.8	7.8	0.1		
APPROX. DRAINAGE AREA:	5.5 squre miles	squre miles  SPECIFIC CONDUCTIVITY		100 514		344	41		
TOTAL NO. STORMS OVER 0.1 INCH:	23	(μS/cm):	100	314	337	344			
MAX. DAILY RAINFALL:	1.9 inches	DISSOLVED				6.8			
TOTAL RAINFALL (FOR PERIOD):	10.6 inches	OXYGEN (mg/L):	4.8	8.5	8.5 6.9		0.7		
		Stage &	Rainfall						
± 3.3 ± 3.3							0.0		
9, 2.5 1.8					A 9		0.5 1.0		
7/1 7/5 7/9 7/1	.3 7/17 7/21 7/25 7/29 8/	/2 8/6 8/10 8/14	8/18 8/22 8/26	8/30 9/3 9	/7 9/11 9/15	9/19 9/23 9/	2.0		
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22	WWW WWW				Amm.				
18					1 1 7				
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7/1 7/5 7/9 7/	13 7/17 7/21 7/25 7/29 8		8/18 8/22 8/26	8/30 9/3	9/7 9/11 9/15	9/19 9/23	9/27 10/1		
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7/1 7/5 7/9 7/	13 7/17 7/21 7/25 7/29 8			8/30 9/3	9/7 9/11 9/15	9/19 9/23 9	9/27 10/1		
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7/1 7/5 7/9 7/ 400 300 200 100 7/1 7/5 7/9		8/2 8/6 8/10 8/1	idity						
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7/1 7/5 7/9 7/ 400 300 200 100 0 7/1 7/5 7/9	7/13 7/17 7/21 7/25 7/29	8/2 8/6 8/10 8/1	idity 8/18 8/22 8/20	5 8/30 9/3	9/7 9/11 9/15	9/19 9/23	9/27 10/1		
7/1 7/5 7/9 7/ 400 300 0 7/1 7/5 7/9 7/ 8.5 7.0 7/1 7/5 7/9 7/	7/13 7/17 7/21 7/25 7/29	8/2 8/6 8/10 8/1  3/2 8/6 8/10 8/14	8/18 8/22 8/20	5 8/30 9/3	9/7 9/11 9/15	9/19 9/23	9/27 10/1		
7/1 7/5 7/9 7/ 400 300 200 7/1 7/5 7/9 7/ 8.5 7.0 7/1 7/5 7/9 7/	7/13 7/17 7/21 7/25 7/29	8/2 8/6 8/10 8/1  3/2 8/6 8/10 8/14	idity 8/18 8/22 8/20 DH 8/18 8/22 8/26	5 8/30 9/3	9/7 9/11 9/15	9/19 9/23	9/27 10/1		
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7/1 7/5 7/9 7/ 400 300 0 7/1 7/5 7/9 7/ 8.5 7.0 7/1 7/5 7/9 7/ 8.5 7.0 7/1 7/5 7/9 7/	7/13 7/17 7/21 7/25 7/29 13 7/17 7/21 7/25 7/29 8	8/2 8/6 8/10 8/1  3/2 8/6 8/10 8/14	8/18 8/22 8/20 BH 8/18 8/22 8/26 Conductivity	5 8/30 9/3 8/30 9/3	9/7 9/11 9/15	9/19 9/23	9/27 10/1		
7/1 7/5 7/9 7/  400 300 200 100 7/1 7/5 7/9 7/  8.5 7.0 7/1 7/5 7/9 7/  TDEC in-stream standard: Daily	7/13 7/17 7/21 7/25 7/29  13 7/17 7/21 7/25 7/29 8  13 7/17 7/21 7/25 7/29 8  average not less than 5 mg/L with a low of the second sec	8/2 8/6 8/10 8/1  8/2 8/6 8/10 8/14  Specific  8/2 8/6 8/10 8/14  Dissolv	8/18 8/22 8/20 BH 8/18 8/22 8/26 Conductivity	5 8/30 9/3 8/30 9/3	9/7 9/11 9/15 9/7 9/11 9/15 9/7 9/11 9/15	9/19 9/23	9/27 10/1		
7/1 7/5 7/9 7/ 400 300 200 0 7/1 7/5 7/9 7/ 8.5 8.0 7/1 7/5 7/9 7/ 7/1 7/5 7/9 7/ TDEC in-stream standard: Daily	7/13 7/17 7/21 7/25 7/29 13 7/17 7/21 7/25 7/29 8	8/2 8/6 8/10 8/1  8/2 8/6 8/10 8/14  Specific  8/2 8/6 8/10 8/14  Dissolv	8/18 8/22 8/26  8/18 8/22 8/26  Conductivity  8/18 8/22 8/26	5 8/30 9/3 8/30 9/3	9/7 9/11 9/15 9/7 9/11 9/15 9/7 9/11 9/15	9/19 9/23 9/19 9/23 5 9/19 9/23	9/27 10/1		
7/1 7/5 7/9 7/ 400 300 200 7/1 7/5 7/9 7/ 8.5 8.0 7/1 7/5 7/9 7/ TDEC in-stream standard: Daily	7/13 7/17 7/21 7/25 7/29  13 7/17 7/21 7/25 7/29 8  13 7/17 7/21 7/25 7/29 8  average not less than 5 mg/L with a low of the second sec	8/2 8/6 8/10 8/1  8/2 8/6 8/10 8/14  Specific  8/2 8/6 8/10 8/14  Dissolv	8/18 8/22 8/26  8/18 8/22 8/26  Conductivity  8/18 8/22 8/26	5 8/30 9/3 8/30 9/3	9/7 9/11 9/15 9/7 9/11 9/15 9/7 9/11 9/15	9/19 9/23 9/19 9/23 5 9/19 9/23	9/27 10/1		







### **Explanation of Statistics:**

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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 Mountain Creek at Elementary School 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:

Sonde data are unavailable between 8/1-9/7 due to a sonde error when attempting to retrieve data.