

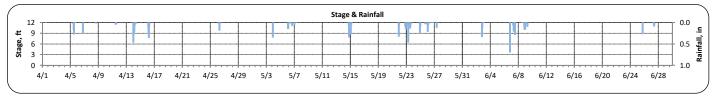
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022)

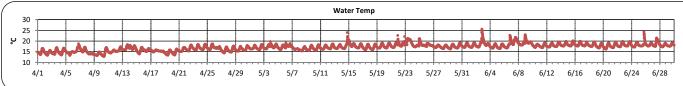
Hamilton County Water Quality Program

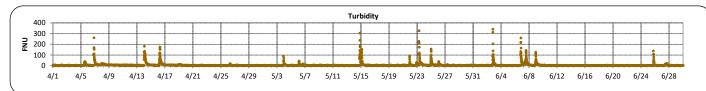
Stringers Branch at Signal Mountain

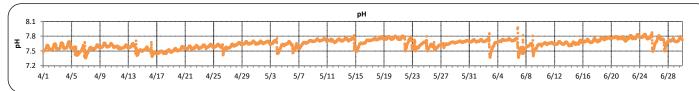
PARAMETER	DESCRIPTION
STREAM NAME:	Stringers Branch
LOCATION:	Signal Mountain Rd
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat Alteration
APPROX. DRAINAGE AREA:	5.7 square miles
TOTAL NO. STORMS OVER 0.1 INCH:	22
MAX. DAILY RAINFALL:	1.4 inches
TOTAL RAINFALL (FOR PERIOD):	10.8 inches

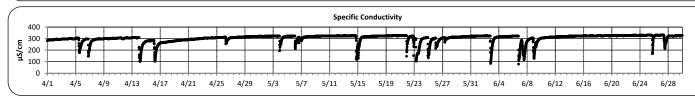
					equality Flogra			
CONTINUOUS	SUMMARY STATISTICS							
WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION			
STAGE (FT):			SEE NOTES					
TEMPERATURE (°C):	13	26	17	17	2			
TURBIDITY (FNU):	1	342	3	6	17			
рН:	7.4	8.0	7.7	7.6	0.1			
SPECIFIC CONDUCTIVITY (μS/cm):	79	331	316	304	33			
DISSOLVED OXYGEN (mg/L):	7.7	11.5	9.7	9.7	0.4			

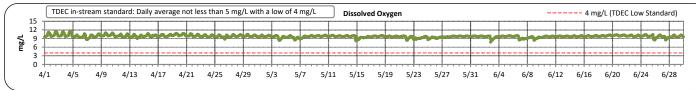
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) Stringers Branch at Signal Mountain



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:

	Sam	ple 1	Sam	ple 2	Sam	ple 3	Samp	ole 4
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:

Pressure transducers were installed following this monitoring period. Stage data will be available in future reports.

Data Gaps

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





4/1

4/5

4/9

4/13

4/17

4/21

The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022)

Friar Branch at Polymer Drive



E IN		illai bialicii at r	Olymer Din	ve			Quality Pro	
		CONTINUOUS WATER		SU	MMARY STATIS			
PARAMETER	DESCRIPTION	QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR DEVIATIO	
STREAM NAME:	Friar Branch	STAGE (FT):		•	SEE NOTES	•	•	
LOCATION:	Polymer Drive Bridge	TEMPERATURE (°C):	10	28	21	20	3	
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat	TURBIDITY (FNU):	1	147	0	2	7	
	Alteration	pH:	7.5	8.8	8.0	8.0	0.1	
APPROX. DRAINAGE AREA:	20.7 square miles	SPECIFIC CONDUCTIVITY	59	457	356	342	55	
TOTAL NO. STORMS OVER 0.1 INCH:	15	(μS/cm):	39	457	330	342	33	
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED		40.0			4.0	
TOTAL RAINFALL (FOR PERIOD):	9.6 inches	OXYGEN (mg/L):	5.5	12.2	7.8	7.9	1.0	
10		Stage & Rain	fall				0.0	
7.5					II ''		0.5 0.5 0.8	
2.5							0.8	
4/1 4/5 4/9 4/	13 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15 5	5/19 5/23 5/27	7 5/31 6/4	6/8 6/12 6/	16 6/20 6/24	6/28	
		Water Ter	mp					
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, , , , , ,								
200		Turbidit	у					
N 100								
50								
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9.0		pH						
8.5 玉 8.0					~ ~	200000	4	
7.5								
7.0 	13 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15	5/19 5/23 5/	27 5/31 6/4	6/8 6/12	6/16 6/20 6/2	4 6/28	
500		Specific Con	ductivity					
400	+			1		·│╾╾ ┝		
পু 200	VV		- X					
0							7	
4/1 4/5 4/9 4	1/13 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15	5/19 5/23 5/	27 5/31 6/4	6/8 6/12	6/16 6/20 6/2	4 6/28	
	ard: Daily average not less than 5 mg/L w	ith a low of 4 Dissolve	d Oxygen			• • • • • 4 mg/L (TDEC	Low Standard)	
15 12								
g 9 1000	Market Ma	WMM MM	WWW	- www.	Wyman 1	A AAN ANN	WY A	
3							 	



4/25

4/29

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5/7

5/11



The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) Friar Branch at Polymer Drive



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:

	Sam	ple 1	Sam	ple 2	Sam	ple 3	Sam	ple 4
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:

Pressure transducers were installed following this monitoring period. Stage data will be available in future reports.

Data Gaps

Data gaps are present between 5/17 - 5/18, 6/12 - 6/13, and 6/15 - 6/22 due to equipment issues. Specific conductivity data were removed between 6/23 - 6/24 due to apparent fouling or partial unsubmergence. pH data were removed between 6/22-6/26 due to apparent fouling or partial unsubmergence.

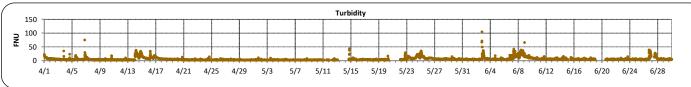


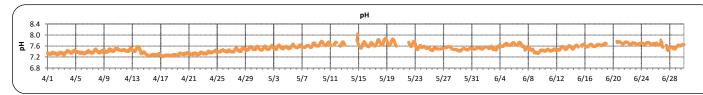


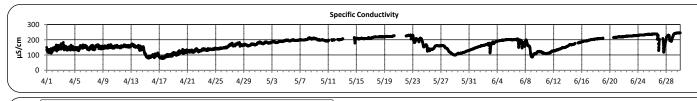
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022)

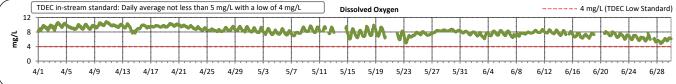


To king of the state of the sta	IN	. Chick Creek at G	reenway Fa	arms			milton Count Quality Pro
		CONTINUOUS		SUN	TICS		
		WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR DEVIATION
STREAM NAME:	N. Chick	STAGE (FT):		•	SEE NOTES		
LOCATION:	Greenway Farms Boat Launch	TEMPERATURE (°C):	11	26	19	18	3
TMDL/IMPAIRMENT:	pH, Siltation, Habitat Alteration	TURBIDITY (FNU):	2	105	5	6	5
	pri, emaion, riabitat / itoration	pH:	7.2	8.1	7.5	7.5	0.1
APPROX. DRAINAGE AREA:	117.4 squre miles	SPECIFIC CONDUCTIVITY	76 251		166 1	170	40
TOTAL NO. STORMS OVER 0.1 INCH:	17	(μS/cm):	70	231	170	170	40
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED					
TOTAL RAINFALL (FOR PERIOD):	11.8 inches	OXYGEN (mg/L):	4.9	10.9	8.2	8.2	1.2
12		Stage & Rain	fall				0.0
1 1 1					17.1		
8 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8							0.5
0 +	13 4/17 4/21 4/25 4/29 5,	/3 5/7 5/11 5/15	5/19 5/23 5/27	7 5/31 6/4	6/8 6/12 6/1	16 6/20 6/24	6/28
		Water Tem					
30		water rem	P	1 1			
25 20			Who of the	A CONTRACTOR OF THE PARTY	-	AND WAY	
15							
	/13 4/17 4/21 4/25 4/29 5	/3 5/7 5/11 5/15	5/19 5/23 5/2	27 5/31 6/4	6/8 6/12 6/	/16 6/20 6/24	6/28
		Turbidity					
150							
₹ 50 ·	AA 1						30













The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) N. Chick Creek at Greenway Farms



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:

	Sam	ple 1	Sam	ple 2	Sam	ple 3	Sam	ple 4
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:

Pressure transducers were installed following this monitoring period. Stage data will be available in future reports.

Data Gaps

Data gaps due to the sonde being unsubmerged occurred on 5/13 - 5/14, 5/20 - 5/22, 6/15, 6/19 - 6/21, and 6/27.



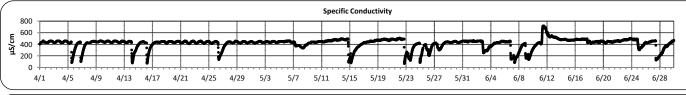


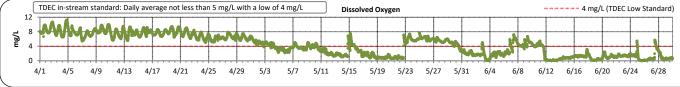
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022)

Dobbs Branch at Park City Park



		CONTINUOUS	SUMMARY STATISTICS							
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARE DEVIATION			
STREAM NAME:	Dobbs Branch	STAGE (FT):			SEE NOTES	•				
LOCATION:	Park City Park	TEMPERATURE (°C):	11	27	20	20	3			
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat	TURBIDITY (FNU):	2	294	4	9	16			
	Alteration	pH:	7.1	8.4	7.6	7.5	0.2			
APPROX. DRAINAGE AREA:	6.2 square miles	SPECIFIC		740						
TOTAL NO. STORMS OVER 0.1 INCH:	17	CONDUCTIVITY (μS/cm):	68	719	441	416	86			
MAX. DAILY RAINFALL:	1.0 inches	DISSOLVED								
TOTAL RAINFALL (FOR PERIOD):	8.6 inches	OXYGEN (mg/L):	0.1	11.3	4.3	4.3	2.9			
12		Stage & Rair	ıfall							
12 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15	5/19 5/23 5/27	7 5/31 6/4	6/8 6/12 6/	16 6/20 6/24	0.0 0.1 0.3 0.4 0.5			
		Water Ten	np							
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° 20	Manneymou			Man many man and many many many many many many many many						
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15 4/1 4/5 4/9 4/5	13 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15	5/19 5/23 5/2	27 5/31 6/4	6/8 6/12 6	6/16 6/20 6/24	6/28			
10 4/1 4/5 4/9 4/5	13 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15 Turbidity		27 5/31 6/4	6/8 6/12 6	6/16 6/20 6/24	6/28			
300	13 4/17 4/21 4/25 4/29		1	27 5/31 6/4	6/8 6/12 6	/16 6/20 6/24	6/28			
10 4/1 4/5 4/9 4/5	13 4/17 4/21 4/25 4/29			27 5/31 6/4	6/8 6/12 6	//16 6/20 6/24	6/28			
300 200 100 0		Turbidity								
300 200 100 0	13 4/17 4/21 4/25 4/29 4/13 4/17 4/21 4/25 4/29					6/16 6/20 6/24				
300 200 100 0 4/1 4/5 4/9		Turbidity								
300 200 100 0 4/1 4/5 4/9		5/3 5/7 5/11 5/15								
300 200 100 0 4/1 4/5 4/9 4		5/3 5/7 5/11 5/15								
300 200 100 0 4/1 4/5 4/9 4/5	4/13 4/17 4/21 4/25 4/29	5/3 5/7 5/11 5/15		727 5/31 6/4	6/8 6/12		1 6/28			









The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) Dobbs Branch at Park City Park



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)								
	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:

Pressure transducers were installed following this monitoring period. Stage data will be available in future reports.

Data Gaps

There were no data gaps at the Dobbs Branch at Park City Park location during this monitoring period.

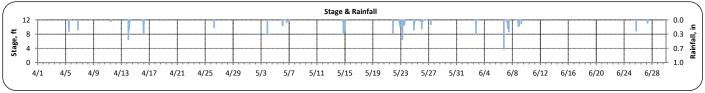


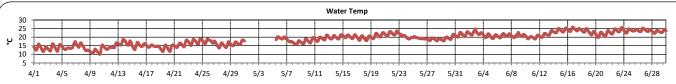


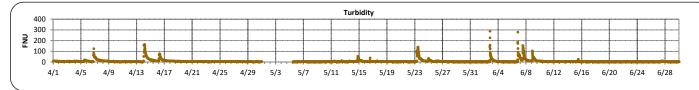
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) Mountain Creek at Elementary School

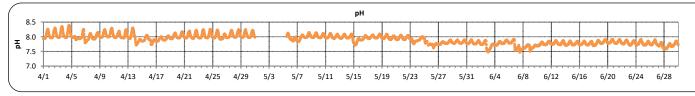
Hamilton County Water Quality Program

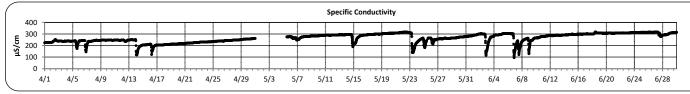
							additty i rogi	
		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Mountain Creek	STAGE (FT):	SEE NOTES					
LOCATION:	Red Bank Elementary School	TEMPERATURE (°C):	10	26	20	20	3	
TMDL/IMPAIRMENT:	<i>E. coli</i> , Siltation, Habitat Alteration	TURBIDITY (FNU):	2	288	4	7	15	
	Aiteration	pH:	7.5	8.4	7.9	7.9	0.1	
APPROX. DRAINAGE AREA:	5.5 squre miles	SPECIFIC CONDUCTIVITY (µS/cm):	96	319	286	273	37	
TOTAL NO. STORMS OVER 0.1 INCH:	22							
MAX. DAILY RAINFALL:	1.4 inches	DISSOLVED	5.1	12.8	7.9	8.2	1.4	
TOTAL RAINFALL (FOR PERIOD):	10.8 inches	OXYGEN (mg/L):						

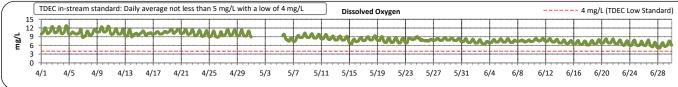
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) Mountain Creek at Elementary School



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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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)								
	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:

Pressure transducers were installed following this monitoring period. Stage data will be available in future reports.

Data Gaps

A gap in the data exists between 5/1 - 5/4 for an unknown reason.

