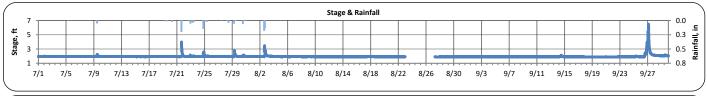


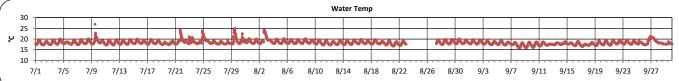
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Stringers Branch at Signal Mountain

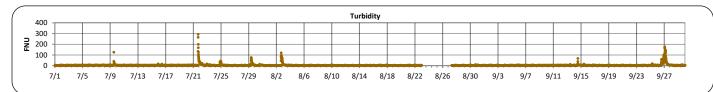


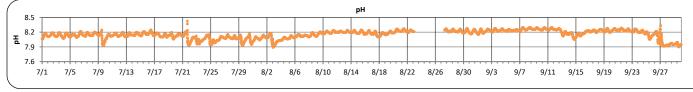
191 1 None 1 None 1	
PARAMETER	DESCRIPTION
STREAM NAME:	Stringers Branch
LOCATION:	Signal Mountain Rd
TMDL/IMPAIRMENT:	E. coli, Siltation, Habitat Alteration
APPROX. DRAINAGE AREA:	5.7 square miles
TOTAL NO. STORMS OVER 0.1 INCH:	20
MAX. DAILY RAINFALL:	0.5 inches
TOTAL RAINFALL (FOR PERIOD):	1.3 inches

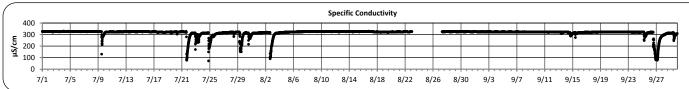
				water	quanty riogia				
CONTINUOUS	SUMMARY STATISTICS								
WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION				
STAGE (FT):	1.9	6.5	1.9	2.0	0.2				
TEMPERATURE (°C):	RE 16 27 18		18	1					
TURBIDITY (FNU):	2	293	3	5	10				
рН:	7.9	8.5	8.2	8.2	0.1				
SPECIFIC CONDUCTIVITY (µS/cm):	72	330	324	317	27				
DISSOLVED OXYGEN (mg/L):	7.4	10.0 9.4		9.4	0.3				

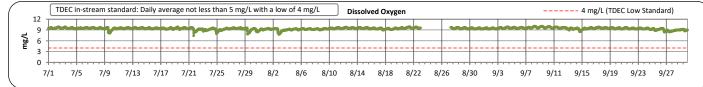
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Stringers Branch at Signal Mountain



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: No grab samples were collected for the Stringers Branch at Signal Mountain location this monitoring period.

	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:

Parameters reporting in EST (-5:00).

Data Gaps

Data gap present in all water quality parameters during 8/22-8/27 due to sensors being buried.



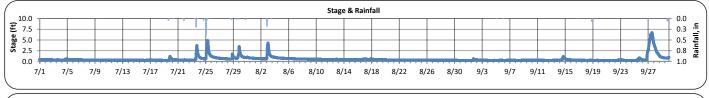


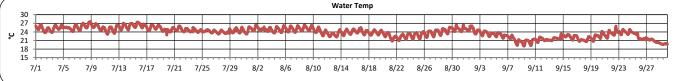
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Friar Branch at Polymer Drive

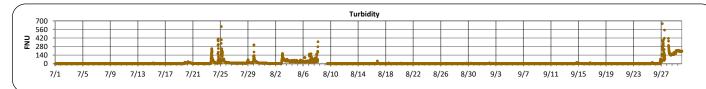


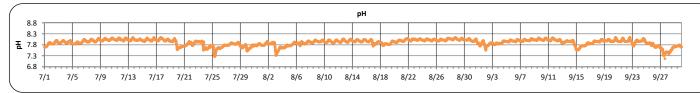
PARAMETER	DESCRIPTION	CON
STREAM NAME:	Friar Branch	Sī
LOCATION:	Polymer Drive Bridge	TE (°0
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat	Τι
	Alteration	pŀ
APPROX. DRAINAGE AREA:	20.7 square miles	SF
TOTAL NO. STORMS OVER 0.1 INCH:	22	(μ
MAX. DAILY RAINFALL:	1.2 inches	DI
TOTAL RAINFALL (FOR PERIOD):	3.6 inches	O

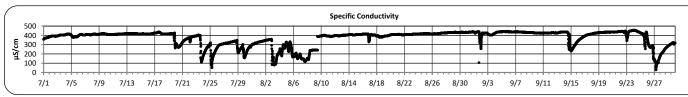
CONTINUOUS WATER	SUMMARY STATISTICS								
QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION				
STAGE (FT):	0.2	6.7	0.4	0.4	0.3				
TEMPERATURE (°C):	19	19 28		24	2				
TURBIDITY (FNU):	1	655	2 15		45				
pH:	7.2	8.2	8.0	7.9	0.1				
SPECIFIC CONDUCTIVITY (μS/cm):	28 456		410	373	81				
DISSOLVED OXYGEN (mg/L):	4.0 8.8		6.9	6.9	0.8				

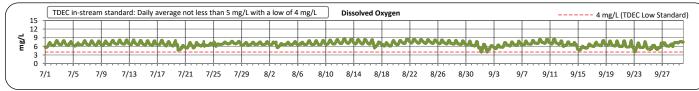
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Friar Branch at Polymer Drive



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:

One dry grab sample was collected at the Friar Branch at Ploymer Drive location during this monitoring period.

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	8/20/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:50	130						
Total Suspended Solids (mg/L)	11:50	2.4						
Total Phosphorus (mg/L)	11:50	<0.5						
Total Nitrogen (mg/L)	11:50	<0.5						

Notes:

Parameters reporting in EST (-5:00).

Data Gaps

Data gap present in turbidity data on 8/9 due to sensor fouling.

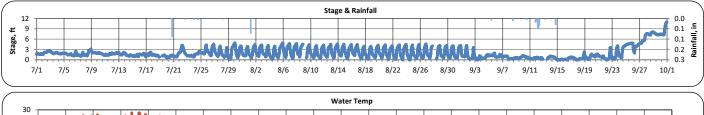


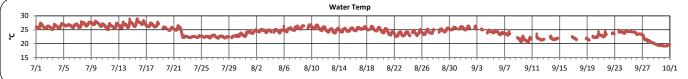
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024)

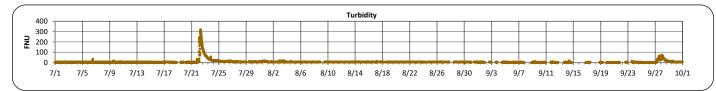
N. Chick Creek at Greenway Farms

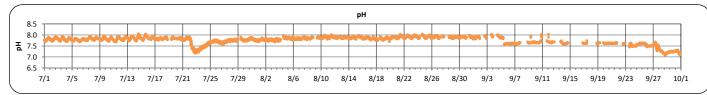


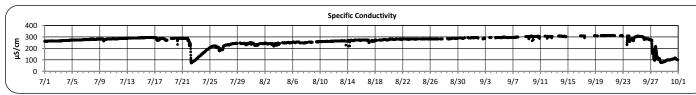
		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	N. Chick	STAGE (FT):	0.0	11.0	1.5	2.0	1.7	
LOCATION:	Greenway Farms Boat Launch	TEMPERATURE (°C):	19	29	25	24	2	
TMDL/IMPAIRMENT:	pH, Siltation, Habitat Alteration	TURBIDITY (FNU):	2	319	5	9	21	
	pi i, Silialioti, i labilat Alteration	pH:	7.1	8.1	7.8	7.8	0.2	
APPROX. DRAINAGE AREA:	117.4 square miles	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	19	CONDUCTIVITY (μS/cm):	73	316	277	261	51	
MAX. DAILY RAINFALL:	1.1 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	3.4 inches	OXYGEN (mg/L):	3.0	7.6	5.2	5.1	0.8	

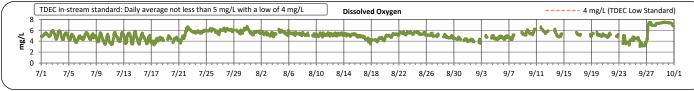
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) N. Chick Creek at Greenway Farms



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:

One dry grab sample was collected at the N. Chick Creek at Greenway Farms location during this monitoring period.

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	8/20/2024				_			
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:40	270						
Total Suspended Solids (mg/L)	11:40	3.8						
Total Phosphorus (mg/L)	11:40	<0.5						
Total Nitrogen (mg/L)	11:40	<0.5						

Notes:

Parameters reporting in EST (-5:00).

Data Gaps

Data gaps present for all water quality parameters throughout the entire monitoring period do to unsubmergence.





The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Dobbs Branch at Park City Park



STANDARD

DEVIATION

0.5

2

18

0.2

80

1.2

ISTICS

MEAN

OBSERVED

1.6

23

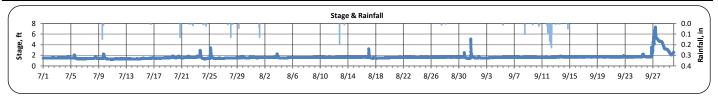
12

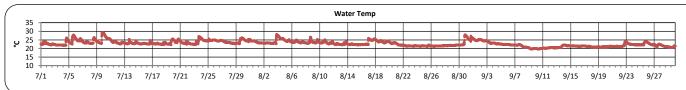
7.3

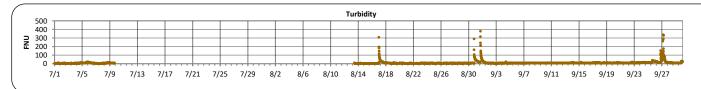
393

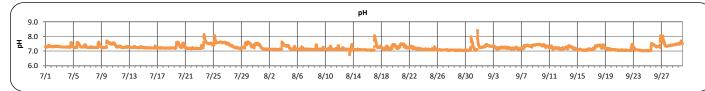
1.0

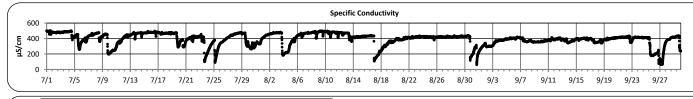
0 - 4							
	DESCRIPTION		CONTINUOUS	SUMMARY STATI			
PARAMETER			WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	
STREAM NAME:	Dobbs Branch		STAGE (FT):	1.3	7.3	1.6	
LOCATION:	Park City Park		TEMPERATURE (°C):	20	29	23	
TMDL/IMPAIRMENT:	E. coli, Siltation, Habitat		TURBIDITY (FNU):	2	381	9	
	Alteration		pH:	6.8	8.4	7.2	
APPROX. DRAINAGE AREA:	6.2 square miles		SPECIFIC				
TOTAL NO. STORMS OVER 0.1 INCH:	18		CONDUCTIVITY (μS/cm):	62	505	413	
MAX. DAILY RAINFALL:	1.1 inches	1	DISSOLVED				
TOTAL RAINFALL (FOR PERIOD):	3.4 inches		OXYGEN (mg/L):	0.3	7.9	0.5	

















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) 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:

One dry grab sample was collected at the Dobbs Branch at Park City Park location during this monitoring period.

	Sample 1		Sam	Sample 2		Sample 3		ple 4
Analyte (units)	8/20,	8/20/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:55	40,000						
Total Suspended Solids (mg/L)	9:55	53.7						
Total Phosphorus (mg/L)	9:55	0.587						
Total Nitrogen (mg/L)	9:55	2.03						

Notes:

Parameters reporting in EST (-5:00).

Data Gaps

Data gap present for turbidity between 7/9-8/13 due to sensor malfunction.





7/1

7/5

7/9

The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) North Chick at Ivy Academy



		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATIOI	
STREAM NAME:	North Chick Creek	STAGE (FT):	0.001	4.462	0.005	0.098	0.464	
LOCATION:	Ivy Academy	TEMPERATURE (°C):	19	29	24	23	3	
TMDL/IMPAIRMENT:	Siltation, Habitat Alteration	TURBIDITY (FNU):	175	202	184	185	7	
THIDE/INIT AIRMENT.	Silitation, Habitat Alteration	pH:	5.7	7.4	6.6	6.6	0.3	
APPROX. DRAINAGE AREA:	17 square miles	SPECIFIC CONDUCTIVITY		47	22	24	44	
TOTAL NO. STORMS OVER 0.1 INCH:	17	(μS/cm):	6	47	23	24	11	
MAX. DAILY RAINFALL:	0.2 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	0.7 inches	OXYGEN (mg/L):	0.3	8.8	0.4	1.7	2.3	
		Stage & Rai	nfall					
# 6							0.0	
8 4							0.0 0.1 0.2 0.3	
7/1 7/5 7/9 7/3	13 7/17 7/21 7/25 7/29 8	/2 8/6 8/10 8/14 8	3/18 8/22 8/26	8/30 9/3	9/7 9/11 9/15	9/19 9/23	9/27	
		Water Te	mp					
30	4.4							
پ ²⁵	head la							
15		<u> </u>						
7/1 7/5 7/9 7/	13 7/17 7/21 7/25 7/29	8/2 8/6 8/10 8/14	8/18 8/22 8/26	6 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
300		Turbidi	ty					
200								
0 	7/13 7/17 7/21 7/25 7/29	8/2 8/6 8/10 8/14	8/18 8/22 8/2	26 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
8.0		рН						
7.0	24.1 1	pH						
E 6.0	w v	pH						
7.0 6.0 5.0		pH	8/18 8/22 8/2	6 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
Ŧ. 6.0 5.0		8/2 8/6 8/10 8/14		6 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
7.0 6.0 5.0 7/1 7/5 7/9 7/				6 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
7.0 6.0 5.0 7/1 7/5 7/9 7/		8/2 8/6 8/10 8/14		6 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
To 6.0 5.0 7/1 7/5 7/9 7/		8/2 8/6 8/10 8/14		6 8/30 9/3	9/7 9/11 9/	15 9/19 9/23	9/27	
5.0 7/1 7/5 7/9 7/ 5.0 7/1 7/5 7/9 7/		8/2 8/6 8/10 8/14				15 9/19 9/23 15 9/19 9/23	9/27	
F 7.0 6.0 5.0 7/1 7/5 7/9 7/	13 7/17 7/21 7/25 7/29	Specific Co 8/2 8/6 8/10 8/14	nductivity		9/7 9/11 9/		9/27	
# 7.0 6.0 5.0 7/1 7/5 7/9 7/ # 30 7/1 7/5 7/9 7/ TDEC in-stream stands	713 7/17 7/21 7/25 7/29	Specific Co 8/2 8/6 8/10 8/14	8/18 8/22 8/2		9/7 9/11 9/	15 9/19 9/23	9/27	
TDEC in-stream stands	713 7/17 7/21 7/25 7/29	Specific Co 8/2 8/6 8/10 8/14	8/18 8/22 8/2		9/7 9/11 9/	15 9/19 9/23	9/27	



9/27

8/2

8/6

7/13 7/17 7/21 7/25 7/29

8/10 8/14 8/18

8/22 8/26 8/30

9/3

9/7

9/11 9/15 9/19 9/23



The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) North Chick at Ivy Academy



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 grab samples were collected at the North Chick at Ivy Academy location during this $% \left(1\right) =\left(1\right) +\left(1$

monitoring period.

	Sam	ple 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:

All paramaters reporting in EST (-5:00).

Data Gaps

Multiple data gaps present in all water quality parameters, excluding stage and rainfall, due to unsubmergence.

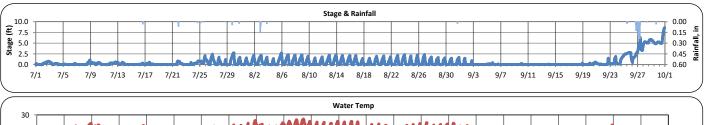


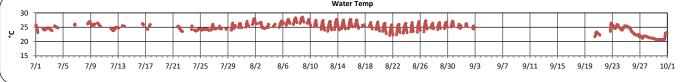


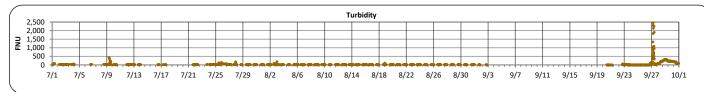
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Citico Creek

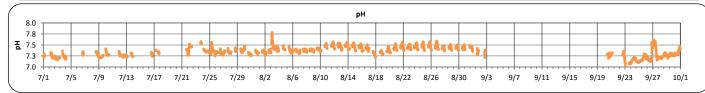


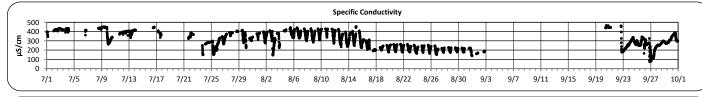
3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,						Water	Quality Progra	
		CONTINUOUS WATER	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Citico Creek	STAGE (FT):	0.001	8.623	0.034	0.468	1.016	
LOCATION:	Waterwalk Pl Rd	TEMPERATURE (°C):	21	29	25	25	2	
TMDL/IMPAIRMENT:	pH, E. coli, Siltation, Habitat	TURBIDITY (FNU):	2	2463	18	43	122	
INDE/IMPAIRMENT.	Alteration	pH:	7.1	7.8	7.4	7.3	0.1	
APPROX. DRAINAGE AREA:	6 square miles	SPECIFIC CONDUCTIVITY (μS/cm):		468	305	310		
TOTAL NO. STORMS OVER 0.1 INCH:	18		74.8				85	
MAX. DAILY RAINFALL:	0.4 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	0.9 inches	OXYGEN (mg/L):	0.5	8.5	2.9	3.0	2.0	
Stage & Rainfall								

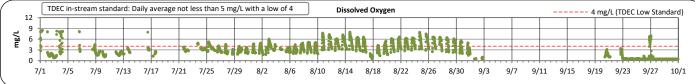
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Citico Creek



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:

One grab sample was obtained during dry conditions at the Citico Creek location during this monitoring period.

	Sample 1		Sam	Sample 2		Sample 3		ple 4
Analyte (units)	8/20,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	12:30	580						
Total Suspended Solids (mg/L)	12:30	3.43						
Total Phosphorus (mg/L)	12:30	<0.500						
Total Nitrogen (mg/L)	12:30	*0.128						

^{*}Value represents Nitrate/Nitrite concentrations only. TKN was below the detection limit of 0.5 mg/L.

Notes:

All paramaters reporting in EST (-5:00).

Data Gaps

Periodic data gaps are present throughout monitoring period for all water quality parameters, excluding rainfall, due to downstream influences from the Tennessee River and partial unsubmergence.



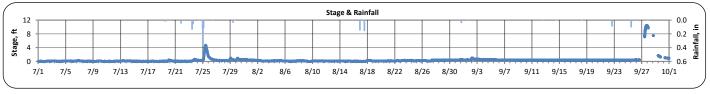


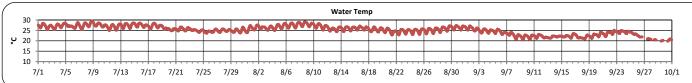
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024)

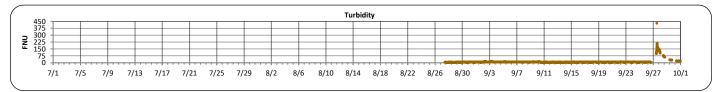
S. Chick Creek at West Chick Creek

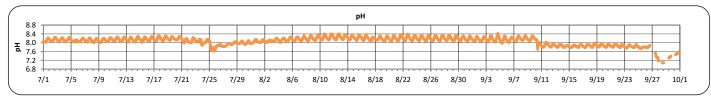


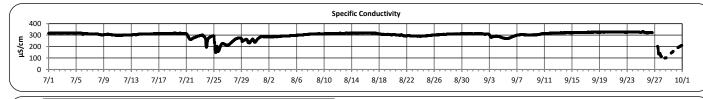
		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	S. Chick Creek	STAGE (FT):	0.001	10.461	0.397	0.552	1.179	
LOCATION:	S. Chick at West Chick Creek	TEMPERATURE (°C):	20	29	25	25	2	
TMDL/IMPAIRMENT:	E. <i>coli</i> , Siltation, Habitat	TURBIDITY (FNU):	5	430	7	11	21	
IMDL/IMPAIRMENT:	Alteration	pH:	7.1	8.4	8.1	8.1	0.2	
APPROX. DRAINAGE AREA:	23 square miles	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	0	CONDUCTIVITY (μS/cm):	100	331	310	300	32	
MAX. DAILY RAINFALL:	0.6 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	2.0 inches	OXYGEN (mg/L):	6.2	9.7	7.4	7.5	0.8	

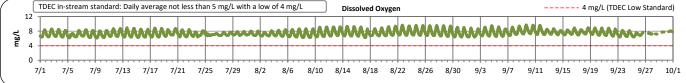
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) S. Chick Creek at West Chick



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:

One grab sample was obtained during dry conditions at the S. Chick Creek at West Chick location during this monitoring period.

	Sample 1		Sam	Sample 2		Sample 3		ple 4
Analyte (units)	8/20,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:50	610						
Total Suspended Solids (mg/L)	10:50	9.4						
Total Phosphorus (mg/L)	10:50	<0.5						
Total Nitrogen (mg/L)	10:50	*0.351						

^{*}Value represents Nitrate/Nitrite concentrations only. TKN was below the detection limit of 0.5 mg/L.

Notes:

All paramaters reporting in EST (-5:00).

Data Gaps

Data gap present for turbidity during 7/1-8/27 due to equipment failure.





15 ↓ 7/1

7/13

7/17

7/21

7/25

7/29

8/2

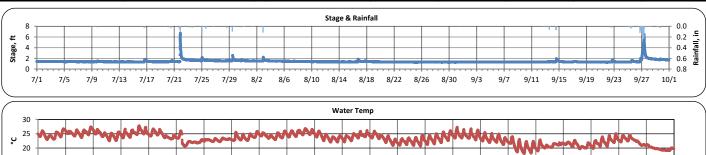
8/6

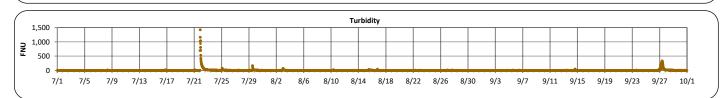
8/10

The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) Mountain Creek at Elementary School



SUMMARY STATISTICS CONTINUOUS PARAMETER DESCRIPTION **WATER QUALITY** MINIMUM MAXIMUM MEDIAN MEAN **STANDARD** PARAMETERS: **OBSERVED OBSERVED OBSERVED OBSERVED** DEVIATION STREAM NAME: Mountain Creek STAGE (FT): 1.3 6.8 1.4 1.4 0.3 **TEMPERATURE** LOCATION: Red Bank Elementary School 18 28 23 23 2 (°C): TURBIDITY (FNU): 1 1,424 3 8 42 E. coli, Siltation, Habitat TMDL/IMPAIRMENT: Alteration pH: 7.3 8.0 7.8 7.8 0.1 APPROX. DRAINAGE 5.5 square miles **SPECIFIC** AREA: CONDUCTIVITY 57 358 329 319 37 **TOTAL NO. STORMS** (μS/cm): 21 **OVER 0.1 INCH:** MAX. DAILY RAINFALL: 1.3 inches DISSOLVED 3.8 7.8 6.1 6.1 0.9 **TOTAL RAINFALL (FOR** OXYGEN (mg/L): 3.5 inches PERIOD):





8/14

8/18

8/22

8/26

8/30

9/3

9/7

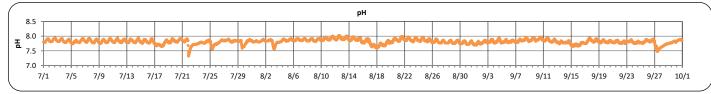
9/11

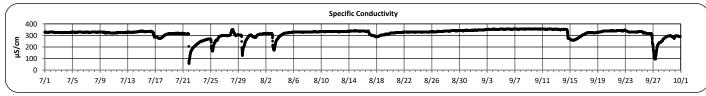
9/15

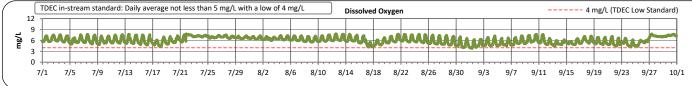
9/19

9/23

9/27











The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (July 1, 2024 - September 30, 2024) 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.
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:

One grab sample was obtained during dry conditions at the Mountain Creek at Elementary School location during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	8/20/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:45	220						
Total Suspended Solids (mg/L)	10:45	1.4						
Total Phosphorus (mg/L)	10:45	<0.5						
Total Nitrogen (mg/L)	10:45	*0.201						

^{*}Value represents Nitrate/Nitrite concentrations only. TKN was below the detection limit of 0.5 mg/L.

Notes:

All paramaters reporting in EST (-5:00).

Data Gaps

There were no data gaps at the Mountain Creek at Elementary School location during this monitoring period.

