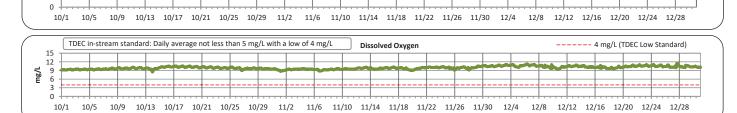


The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) Stringers Branch at Signal Mountain



		SUMMARY STATISTICS					
PARAMETER	DESCRIPTION WATER QUALITY PARAMETERS:		MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAF DEVIATIO
STREAM NAME:	Stringers Branch	STAGE (FT):	1.9	4.3	2.0	2.1	0.2
LOCATION:	Signal Mountain Rd	TEMPERATURE (°C):	10	19	15	15	2
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat	TURBIDITY (FNU):	2	236	4	5	7
	Alteration	pH:	8.0	8.5	8.2	8.2	0.1
APPROX. DRAINAGE AREA:	5.7 square miles	SPECIFIC CONDUCTIVITY	86	242	222	242	20
TOTAL NO. STORMS OVER 0.1 INCH:	20	(μS/cm):	86	343	322	313	28
MAX. DAILY RAINFALL:	0.03 inches	DISSOLVED	0.5	44.0	0.0	0.0	2.5
TOTAL RAINFALL (FOR PERIOD):	0.1 inches	OXYGEN (mg/L):	8.5	11.6	9.9	9.9	0.5
7		Stage & Rair	ıfall				0.00
8 tage, ft						' ' ' ' '	- 0.05
10/1 10/5 10/9 10/	'13 10/17 10/21 10/25 10/29 1	.1/2 11/6 11/10 11/14 11 Water Tei		11/30 12/4	12/8 12/12 12/10	6 12/20 12/24	12/28
20 15 15 15 15 15 15 15 15 15 15 15 15 15	A	~~~~~~~	44.				
10			45500	a desired		3	2
10/1 10/5 10/9 10/9	/13 10/17 10/21 10/25 10/29	11/2 11/6 11/10 11/14 1	1/18 11/22 11/2	26 11/30 12/4	12/8 12/12 12,	/16 12/20 12/24	12/28
		Turbidit	v				
300			,				
100							
10/1 10/5 10/9 1	10/13 10/17 10/21 10/25 10/29	11/2 11/6 11/10 11/14		²⁶ 11/30 12/4	12/8 12/12 12	/16 12/20 12/24	12/28
8.5		pH					
	A MARINA	han han hand	may my		The way	Mark Market	44
黃 8.2				1 1		•	
7.9	/13 10/17 10/21 10/25 10/29	11/2 11/6 11/10 11/14	11/18 11/22 11/2	26 11/30 12/4	12/8 12/12 12	/16 12/20 12/24	12/28
7.9	/13 10/17 10/21 10/25 10/29	11/2 11/6 11/10 11/14 Specific Cor		26 11/30 12/4	12/8 12/12 12	/16 12/20 12/24	12/28
7.9	/13 10/17 10/21 10/25 10/29			26 11/30 12/4	12/8 12/12 12	/16 12/20 12/24	12/28







The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 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.

	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:

Parameters reporting in EST (-5:00).

Data Gaps

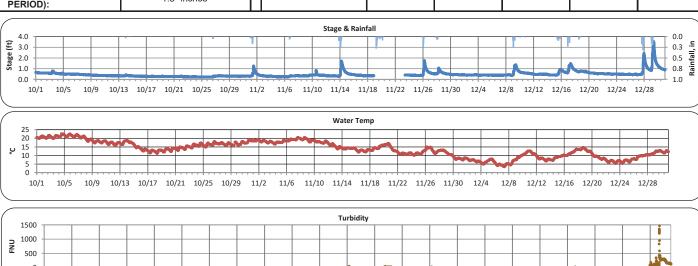
No data gaps present during this monitoring period.

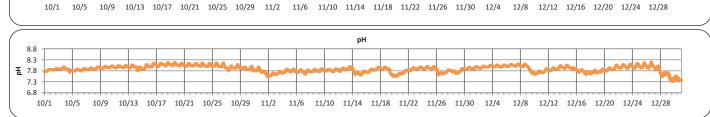


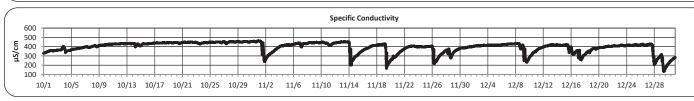
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) Friar Branch at Polymer Drive

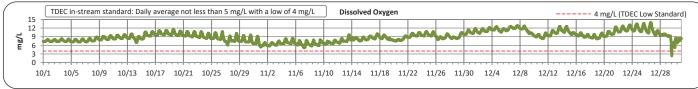


						water	Quality Progra	
		CONTINUOUS WATER	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Friar Branch	STAGE (FT):	0.2	3.5	0.4	0.5	0.3	
LOCATION:	Polymer Drive Bridge	TEMPERATURE (°C):	4	23	14	14	5	
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat Alteration	TURBIDITY (FNU):	1	1473	3	10	44	
INDEMIFARMENT.		pH:	7.3	8.2	7.9	7.9	0.1	
APPROX. DRAINAGE AREA:	20.7 square miles	SPECIFIC	40.4	464		394		
TOTAL NO. STORMS OVER 0.1 INCH:	22	CONDUCTIVITY (μS/cm):	134		414		58	
MAX. DAILY RAINFALL:	0.7 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	1.8 inches	OXYGEN (mg/L):	2.3	14.0	9.0	9.1	1.7	













The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 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)	11/5,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:15	130						
Total Suspended Solids (mg/L)	11:15	1.8						
Total Phosphorus (mg/L)	11:15	N/A						
Total Nitrogen (mg/L)	11:15	N/A						

Notes:

Parameters reporting in EST (-5:00).

Data Gaps

Data gap presnt in stage readings from 11/18-11/23 due to sensor malfunction. Data gaps present in turbidity data on 10/1-10/4 and 10/27-10/29 due to sensor malfunction.



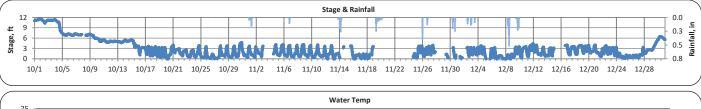


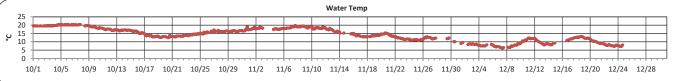
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024)

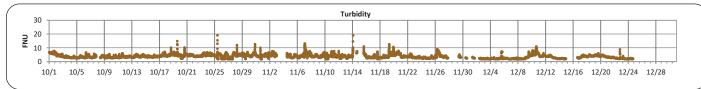
Hamilton County

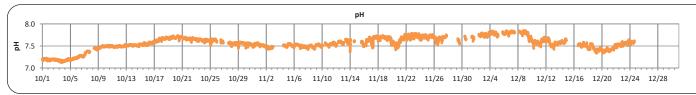
N. Chick Creek at Greenway Farms

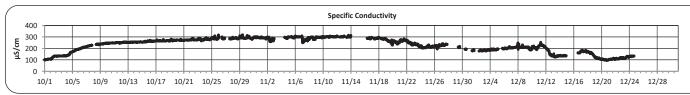
		_				Water	Quality Progra	
		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	N. Chick	STAGE (FT):	0.0	11.6	2.2	2.9	2.5	
LOCATION:	Greenway Farms Boat Launch	TEMPERATURE (°C):	6	20	16	15	3	
TMDL/IMPAIRMENT:	pH, Siltation, Habitat Alteration	TURBIDITY (FNU):	2	19	4	4	1	
TWO DINN AINMENT.		pH:	7.1	7.9	7.6	7.5	0.2	
APPROX. DRAINAGE AREA:	117.4 square miles	SPECIFIC				0.45		
TOTAL NO. STORMS OVER 0.1 INCH:	19	CONDUCTIVITY (μS/cm):	94	320	263	245	55	
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	5.5 inches	OXYGEN (mg/L):	3.7	11.7	6.4	7.0	1.9	

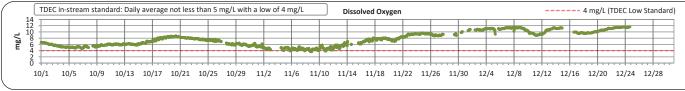
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) N. Chick Creek at Greenway Farms



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)	11/5,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:50	62						
Total Suspended Solids (mg/L)	10:50	10.0						
Total Phosphorus (mg/L)	10:50	N/A						
Total Nitrogen (mg/L)	10:50	N/A						

Notes:

Parameters reporting in EST (-5:00).

Data Gaps

Data gaps present for all water quality parameters throughout the entire monitoring period due to partial unsubmergence and sensor malfunction.



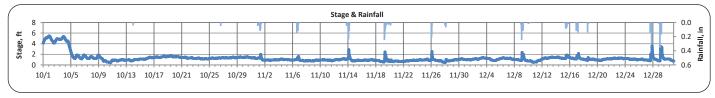


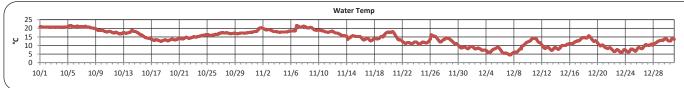
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) **Dobbs Branch at Park City Park**

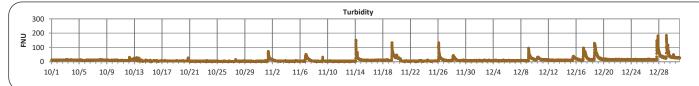


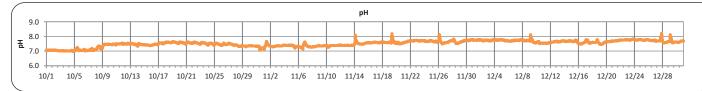
		CONTINUOUS		SUMMAR			
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	N OB		
STREAM NAME:	Dobbs Branch	STAGE (FT):	0.4	5.5			
LOCATION:	Park City Park	TEMPERATURE (°C):	12	22			
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat	TURBIDITY (FNU):	2	185			
INDEANI AIRMENT.	Alteration	pH:	7.0	8.2			
APPROX. DRAINAGE AREA:	6.2 square miles	SPECIFIC	76				
TOTAL NO. STORMS OVER 0.1 INCH:	18	CONDUCTIVITY (μS/cm):		470			
MAX. DAILY RAINFALL:	0.7 inches	DISSOLVED					
TOTAL RAINFALL (FOR PERIOD):	1.7 inches	OXYGEN (mg/L):	0.4	10.6			

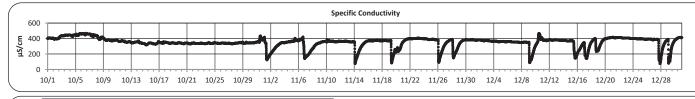
				Water	Quality Progra			
CONTINUOUS	SUMMARY STATISTICS							
WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION			
STAGE (FT):	0.4	5.5	1.1	1.3	0.8			
TEMPERATURE (°C):	12	22	14	14	4			
TURBIDITY (FNU):	2	185	9	12	14			
pH:	7.0	8.2	7.6	7.5	0.2			
SPECIFIC CONDUCTIVITY (µS/cm):	76	470	364	354	65			
DISSOLVED OXYGEN (mg/L):	0.4	10.6	5.2	4.8	3.0			

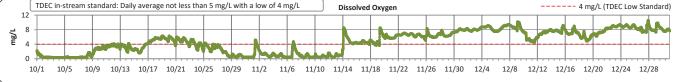
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) Dobbs Branch at Park City Park



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	ple 2	Sam	ple 3	Sample 4	
Analyte (units)	11/5,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:40	260						
Total Suspended Solids (mg/L)	10:40	2.6						
Total Phosphorus (mg/L)	10:40	N/A						
Total Nitrogen (mg/L)	10:40	N/A						

Notes:

Parameters reporting in EST (-5:00).

Data Gaps

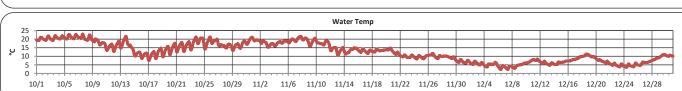
No data gaps present during this monitoring period.

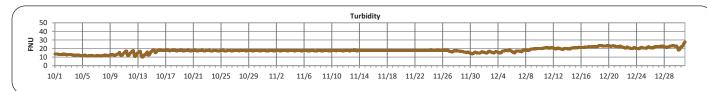


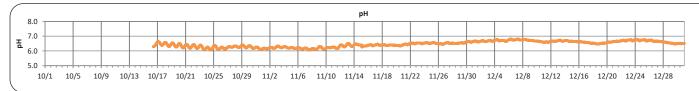
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) North Chick at Ivy Academy

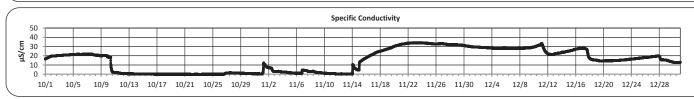


Progra _n	North Chick at Ivy Academy Hamilton Co Water Quality F						milton County Quality Prog	
		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	North Chick Creek	STAGE (FT):	0.00	3.46	1.49	1.44	0.78	
LOCATION:	Ivy Academy	TEMPERATURE (°C):	2	23	12	13	5	
TMDL/IMPAIRMENT:	Siltation, Habitat Alteration	TURBIDITY (FNU):	10	33	18	18	3	
IMDL/IMPAIRMENT:	Siliation, Habitat Alteration	pH:	6.1	6.8	6.5	6.5	0.2	
APPROX. DRAINAGE AREA:	17 square miles	SPECIFIC CONDUCTIVITY		24	47	45	40	
TOTAL NO. STORMS OVER 0.1 INCH:	17	(μS/cm):	0	34	17	15	12	
MAX. DAILY RAINFALL:	1.1 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	2.8 inches	OXYGEN (mg/L):	5.0	13.9	9.4	9.2	1.8	
		Stage & Rain	ıfall					
## 8 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7							0.0 0.2 0.3 0.5 0.6	
10/1 10/5 10/9 10/	13 10/17 10/21 10/25 10/29 11	./2 11/6 11/10 11/14 11	/18 11/22 11/26	11/30 12/4 1	12/8 12/12 12/1	6 12/20 12/24	12/28	
25	·	Water Ter	mp					















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 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.

	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:

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

Data Gaps

Multiple data gaps present in stage, pH and dissolved oxygen data due to partial unsubmergence and sensor malfunctions.

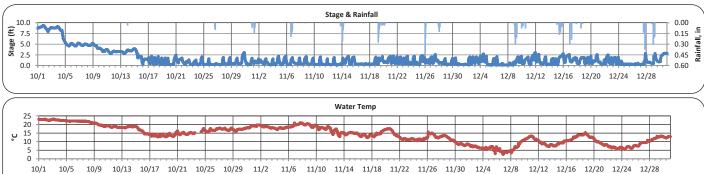


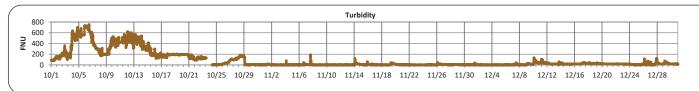


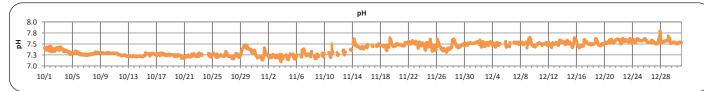
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) Citico Creek

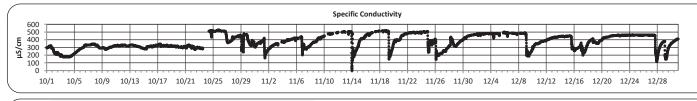


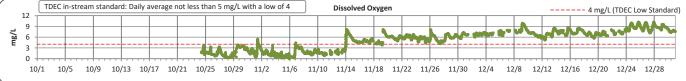
() B						Water	Quality Prog
		CONTINUOUS WATER		SUN			
PARAMETER	DESCRIPTION	QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Citico Creek	STAGE (FT):	0.13	9.36	0.91	1.62	1.91
LOCATION:	Waterwalk Pl Rd	TEMPERATURE (°C):	3	23	14	14	5
TMDL/IMPAIRMENT:	pH, E. coli , Siltation, Habitat	TURBIDITY (FNU):	1	755	15	87	152
	Alteration	pH:	7.1	7.8	7.4	7.4	0.1
APPROX. DRAINAGE AREA:	6 square miles	SPECIFIC	4.0		.==	075	
TOTAL NO. STORMS OVER 0.1 INCH:	18	CONDUCTIVITY (μS/cm):	1.6	527	377	375	89
MAX. DAILY RAINFALL:	0.4 inches	DISSOLVED					
TOTAL RAINFALL (FOR PERIOD):	0.9 inches	OXYGEN (mg/L):	0.0	10.2	6.1	5.3	2.6
Stage & Rainfall 0.00 0.15 5.5							















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 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		Sample 2		Sample 3		Sample 4	
Analyte (units)	11/5,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:45	220						
Total Suspended Solids (mg/L)	9:45	2.67						
Total Phosphorus (mg/L)	N/A	N/A						
Total Nitrogen (mg/L)	N/A	N/A						

^{*}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

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



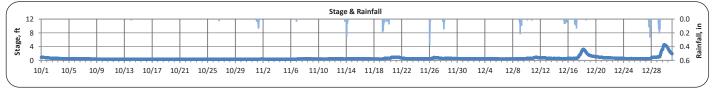


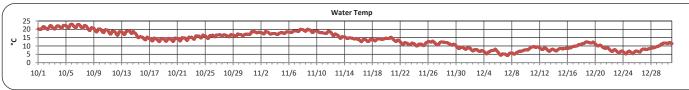
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024)

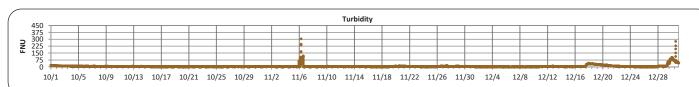
Hamilton County Water Quality Program

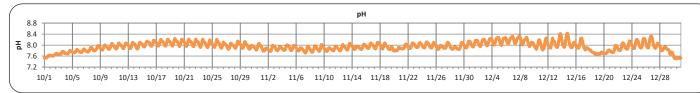
S. Chick Creek at West Chick Creek

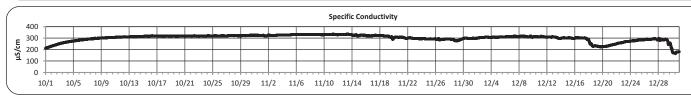
		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	S. Chick Creek	STAGE (FT):	0.28	4.61	0.47	0.61	0.50	
LOCATION:	S. Chick at West Chick Creek	TEMPERATURE (°C):	4	23	14	14	5	
TMDL/IMPAIRMENT:	E. <i>coli</i> , Siltation, Habitat	TURBIDITY (FNU):	2	305	5	8	12	
TMDE/IMIT AIR MERT.	Alteration	pH:	7.5	8.4	8.0	8.0	0.2	
APPROX. DRAINAGE AREA:	23 square miles	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	0	CONDUCTIVITY (μS/cm):	164	335	310	301	31	
MAX. DAILY RAINFALL:	0.6 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	1.2 inches	OXYGEN (mg/L):	7.2	14.2	10.0	10.1	1.6	

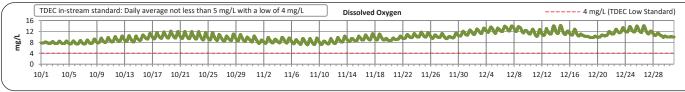
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) S. Chick Creek at West Chick



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		Sample 2		Sample 3		Sample 4	
Analyte (units)	11/5,	/2024						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:30	20						
Total Suspended Solids (mg/L)	10:30	5.0						
Total Phosphorus (mg/L)	N/A	N/A						
Total Nitrogen (mg/L)	N/A	N/A						

^{*}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

No data gaps are present during this monitoring period.

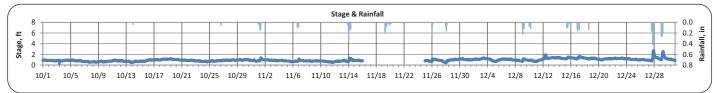


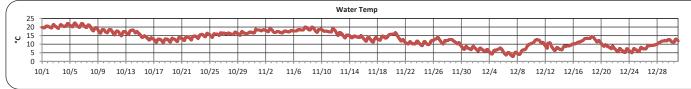


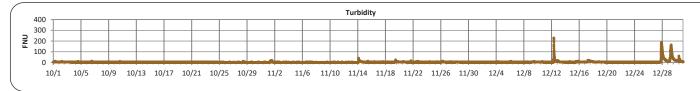
The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) Mountain Creek at Elementary School

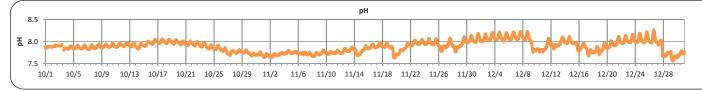


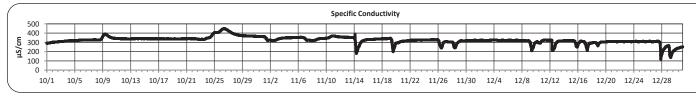
		CONTINUOUS		SIIIS	MARY STATIS		Quality Progra	
PARAMETER	DESCRIPTION	DESCRIPTION WATER QUALITY		MINIMUM MAXIMUM MEDIAN MEAN				
		PARAMETERS:	OBSERVED	OBSERVED	OBSERVED	OBSERVED	DEVIATION	
STREAM NAME:	Mountain Creek	STAGE (FT):	0.28	2.71	0.92	0.96	0.24	
LOCATION:	Red Bank Elementary School	TEMPERATURE (°C):	3	22	13	13	4	
TMDL/IMPAIRMENT:	E. coli , Siltation, Habitat Alteration	TURBIDITY (FNU):	1	322	2	4	11	
	Alteration	pH:	7.6	8.3	7.9	7.9	0.1	
APPROX. DRAINAGE AREA:	5.5 square miles	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	21	CONDUCTIVITY (μS/cm):	119	449	325	324	38	
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED	4.8	13.8	8.8	8.8	1.9	
TOTAL RAINFALL (FOR PERIOD):	2.7 inches	OXYGEN (mg/L):	4.0	13.6	0.0	0.0	1.9	

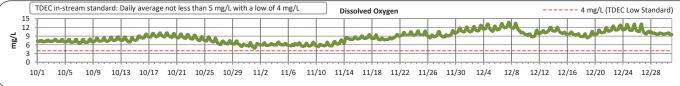
















The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (October 1, 2024 - December 31, 2024) Mountain Creek at Elementary School



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	
	11/5/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:50	130						
Total Suspended Solids (mg/L)	9:50	<1.4						
Total Phosphorus (mg/L)	N/A	N/A						
Total Nitrogen (mg/L)	N/a	N/A					_	

^{*}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 in stage data from 11/15-11/25 due to partial unsubmergence.

