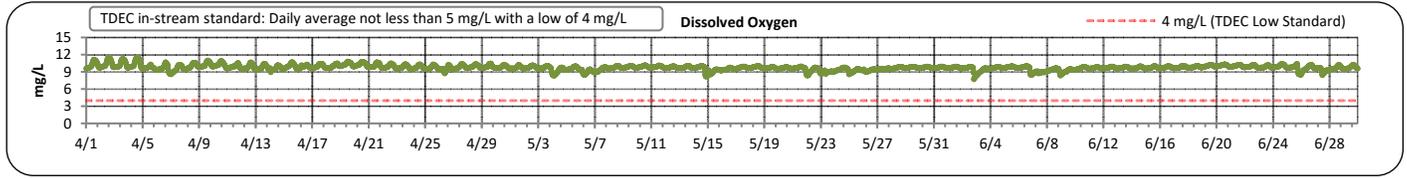
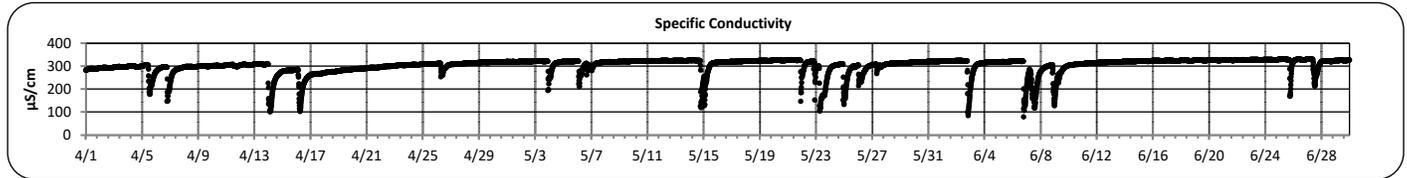
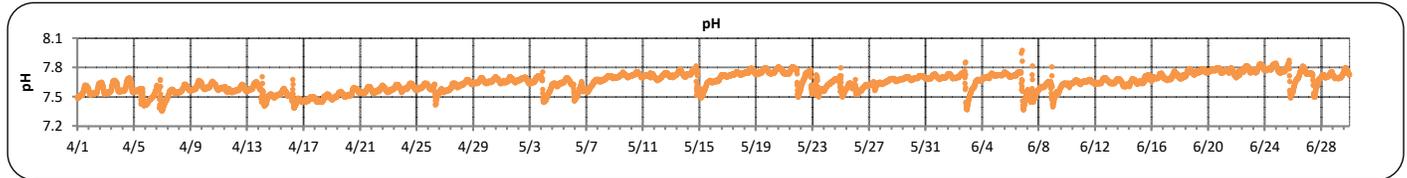
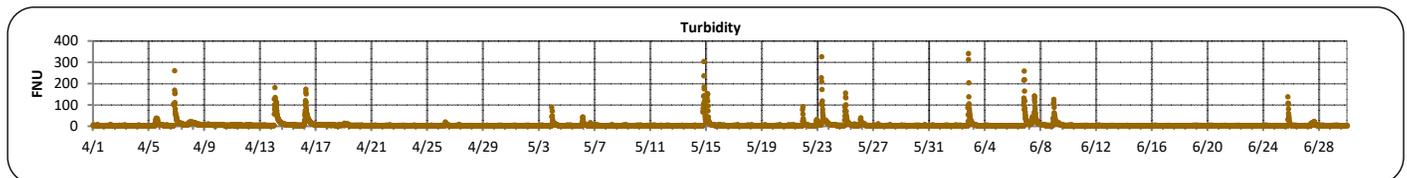
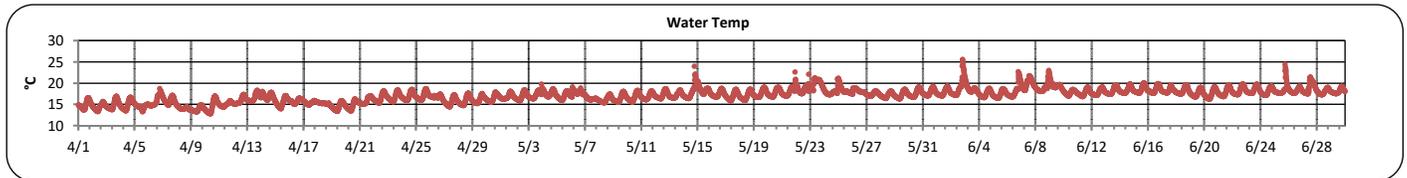
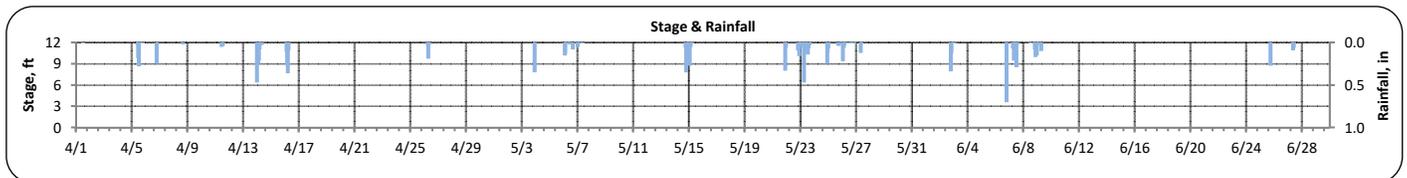




The City of Chattanooga and Hamilton County Joint Water Quality Monitoring Quarterly Report (April 1, 2022 - June 30, 2022) Stringers Branch at Signal Mountain



PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Stringers Branch	STAGE (FT):	SEE NOTES				
LOCATION:	Signal Mountain Rd	TEMPERATURE (°C):	13	26	17	17	2
TMDL/IMPAIRMENT:	<i>E. coli</i> , Siltation, Habitat Alteration	TURBIDITY (FNU):	1	342	3	6	17
		pH:	7.4	8.0	7.7	7.6	0.1
APPROX. DRAINAGE AREA:	5.7 square miles	SPECIFIC CONDUCTIVITY (µS/cm):	79	331	316	304	33
TOTAL NO. STORMS OVER 0.1 INCH:	22						
MAX. DAILY RAINFALL:	1.4 inches	DISSOLVED OXYGEN (mg/L):	7.7	11.5	9.7	9.7	0.4
TOTAL RAINFALL (FOR PERIOD):	10.8 inches						



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



**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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (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

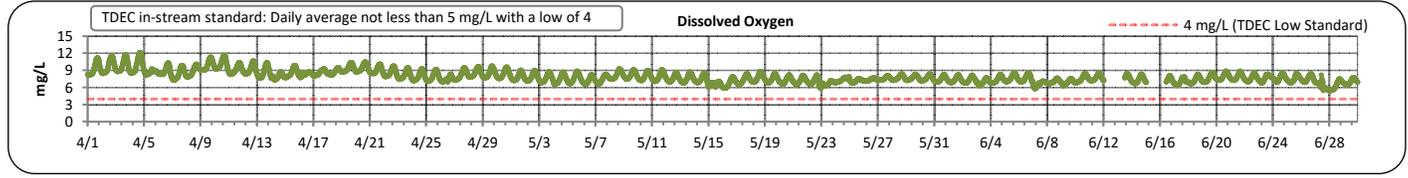
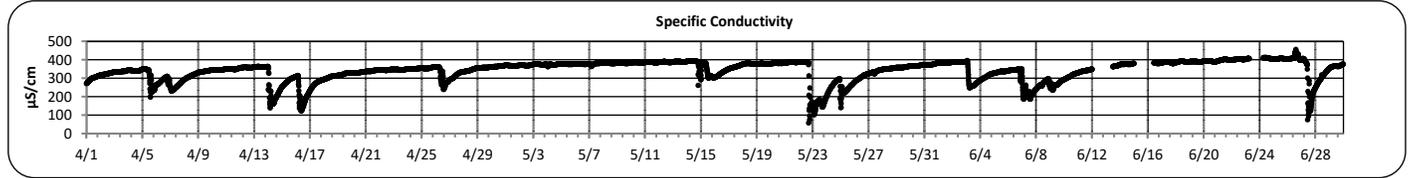
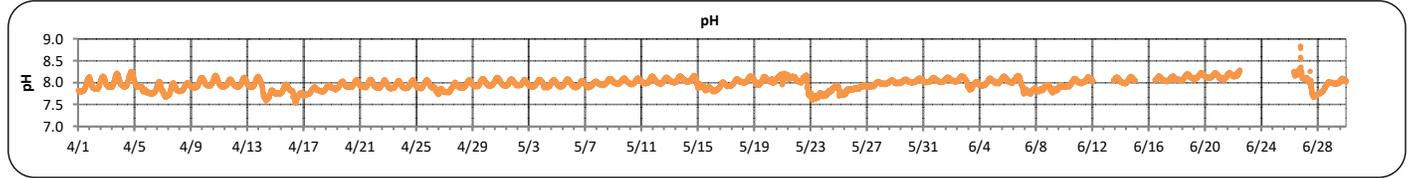
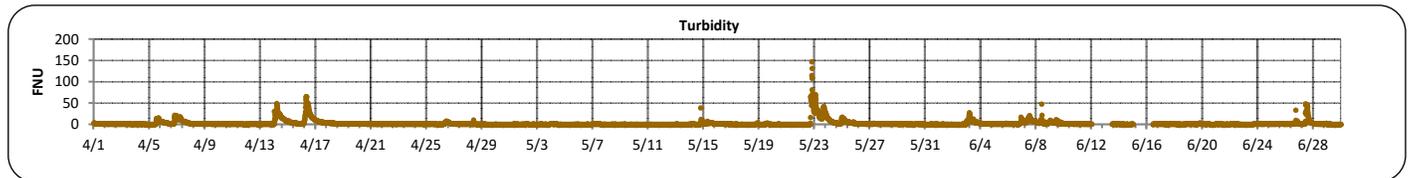
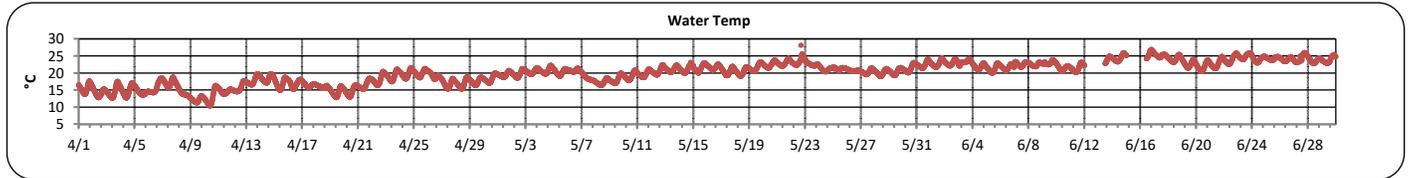
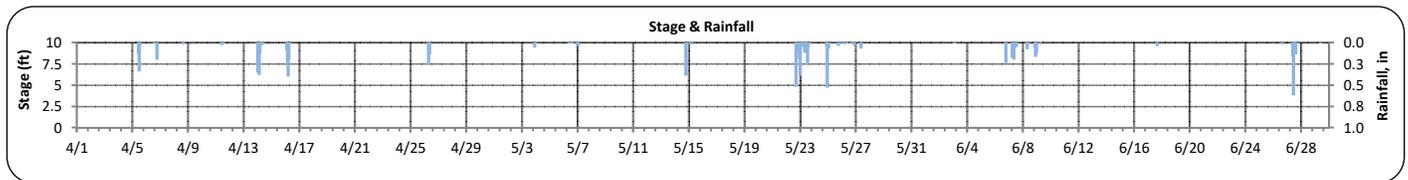
There were no data gaps at the Stringers Branch at Signal mountain location during this monitoring period.



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



PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Friar Branch	STAGE (FT):	SEE NOTES				
LOCATION:	Polymer Drive Bridge	TEMPERATURE (°C):	10	28	21	20	3
TMDL/IMPAIRMENT:	<i>E. coli</i> , Siltation, Habitat Alteration	TURBIDITY (FNU):	1	147	0	2	7
		pH:	7.5	8.8	8.0	8.0	0.1
APPROX. DRAINAGE AREA:	20.7 square miles	SPECIFIC CONDUCTIVITY (µS/cm):	59	457	356	342	55
TOTAL NO. STORMS OVER 0.1 INCH:	15	DISSOLVED OXYGEN (mg/L):	5.5	12.2	7.8	7.9	1.0
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	9.6 inches						



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



**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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (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.

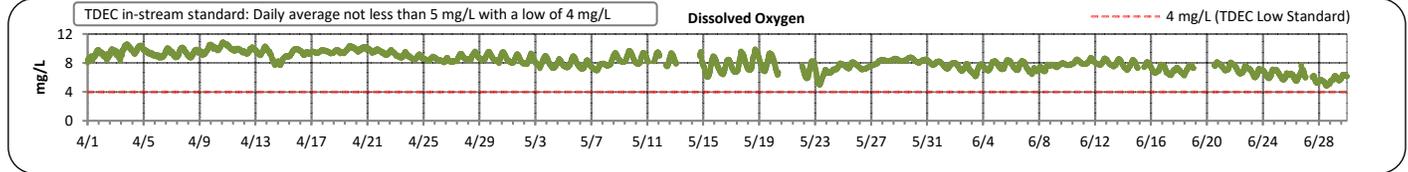
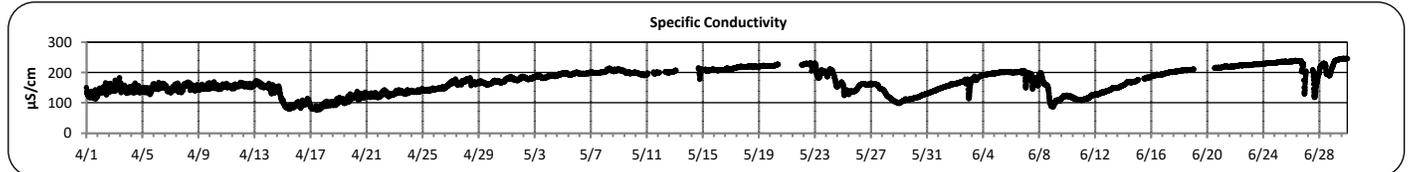
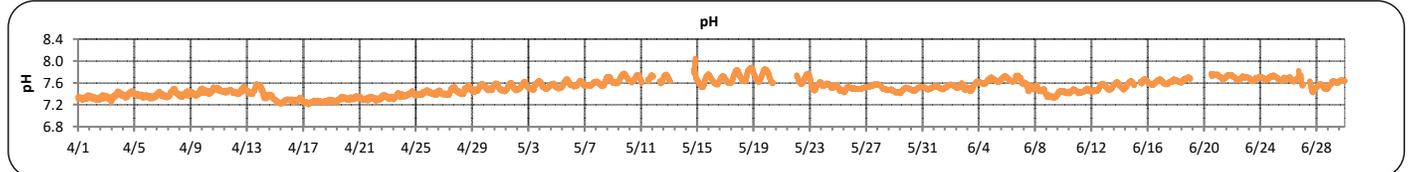
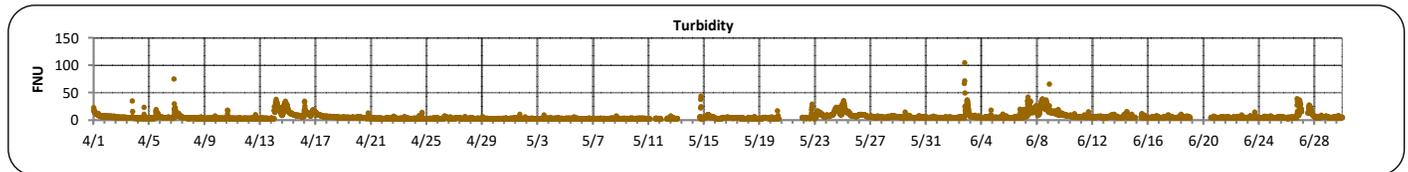
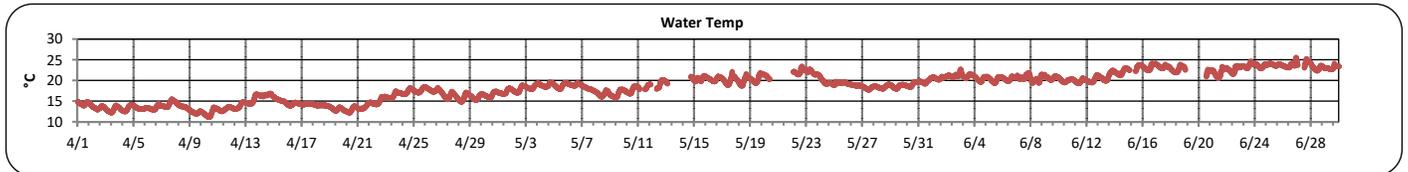
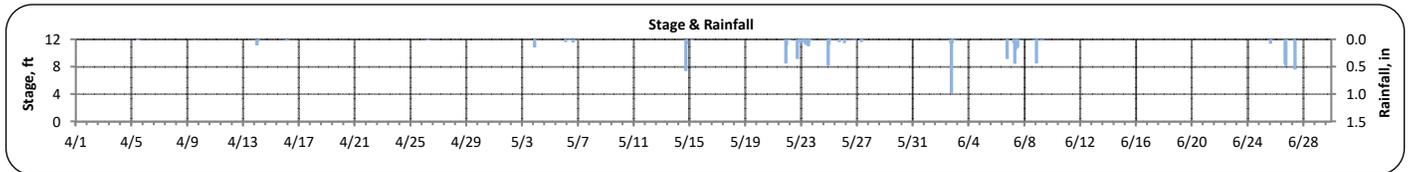
pH data were removed between 6/22-6/26 due to apparent fouling or partial unsubmergence.



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



PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD 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
		pH:	7.2	8.1	7.5	7.5	0.1
APPROX. DRAINAGE AREA:	117.4 square miles	SPECIFIC CONDUCTIVITY (µS/cm):	76	251	166	170	40
TOTAL NO. STORMS OVER 0.1 INCH:	17	DISSOLVED OXYGEN (mg/L):	4.9	10.9	8.2	8.2	1.2
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	11.8 inches						



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



**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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (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

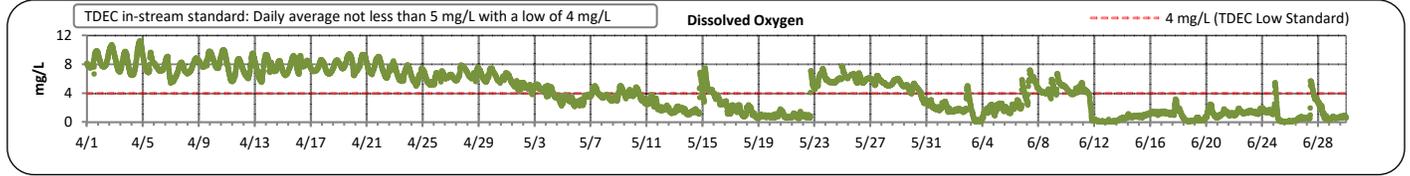
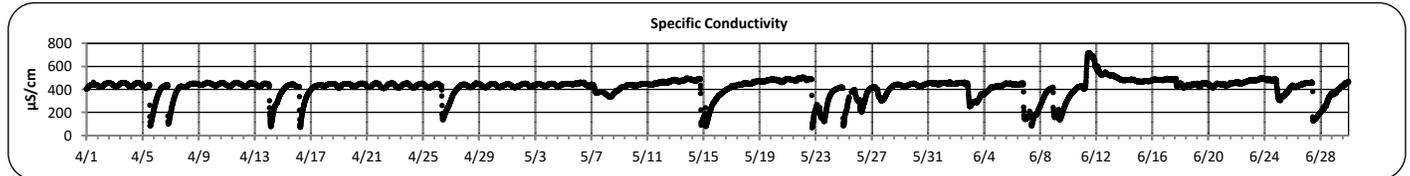
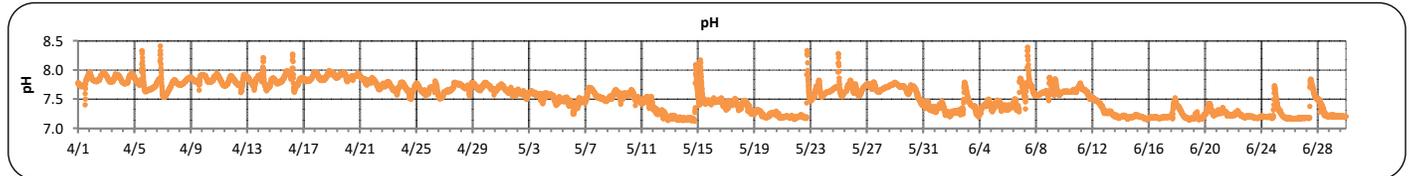
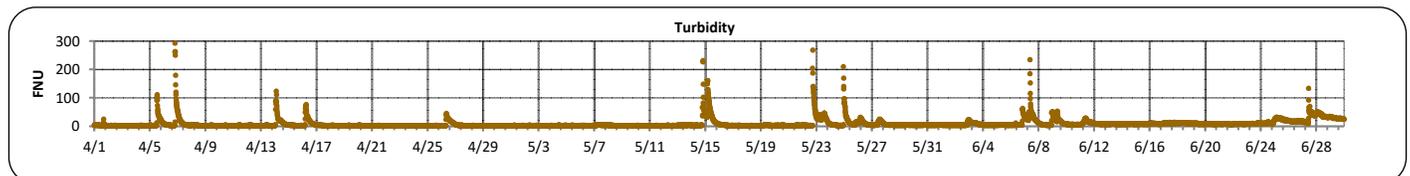
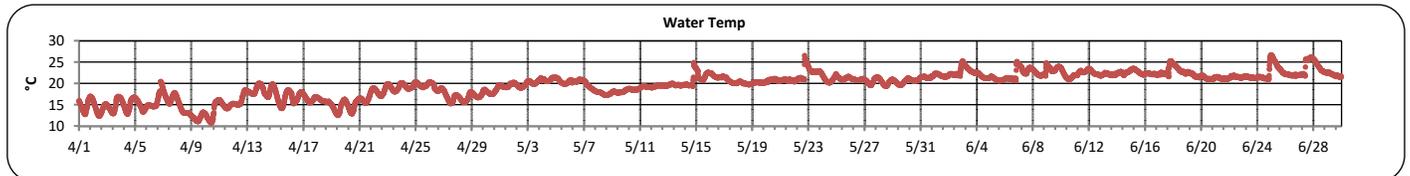
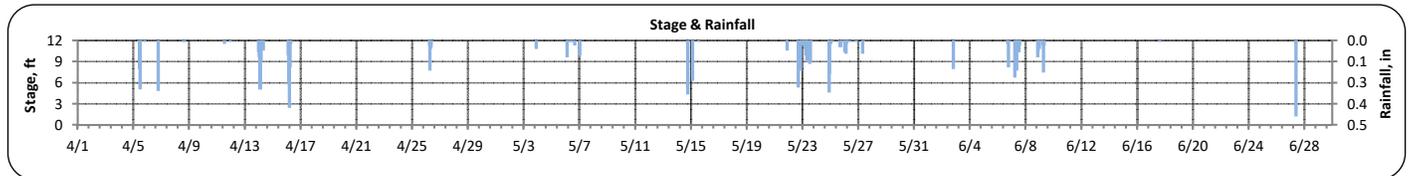
Data gaps due to the sonde being unsubmerged occurred on 5/13 - 5/14, 5/20 - 5/22, 6/15, 6/19 - 6/21, and 6/27.



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



PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Dobbs Branch	STAGE (FT):	SEE NOTES				
LOCATION:	Park City Park	TEMPERATURE (°C):	11	27	20	20	3
TMDL/IMPAIRMENT:	<i>E. coli</i> , Siltation, Habitat Alteration	TURBIDITY (FNU):	2	294	4	9	16
		pH:	7.1	8.4	7.6	7.5	0.2
APPROX. DRAINAGE AREA:	6.2 square miles	SPECIFIC CONDUCTIVITY (µS/cm):	68	719	441	416	86
TOTAL NO. STORMS OVER 0.1 INCH:	17						
MAX. DAILY RAINFALL:	1.0 inches	DISSOLVED OXYGEN (mg/L):	0.1	11.3	4.3	4.3	2.9
TOTAL RAINFALL (FOR PERIOD):	8.6 inches						



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



**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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (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

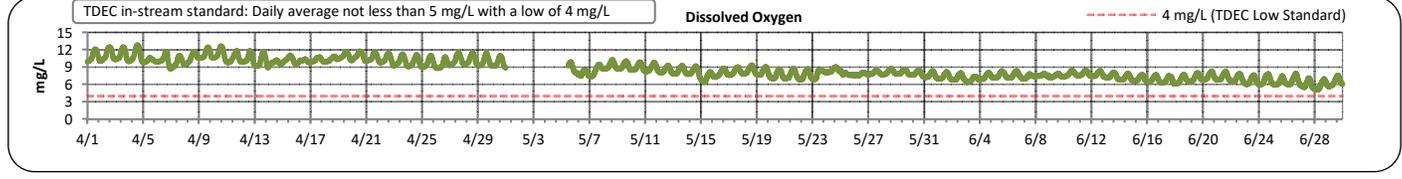
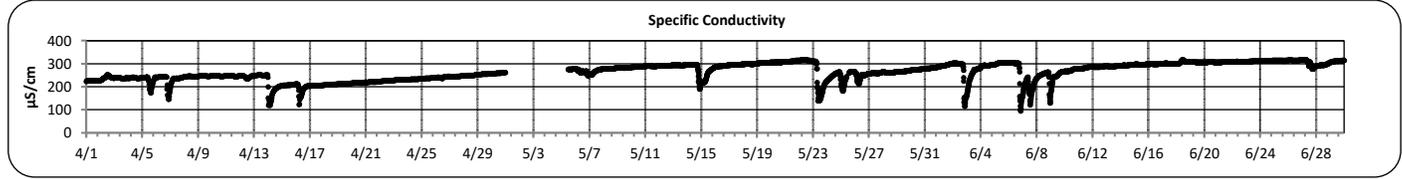
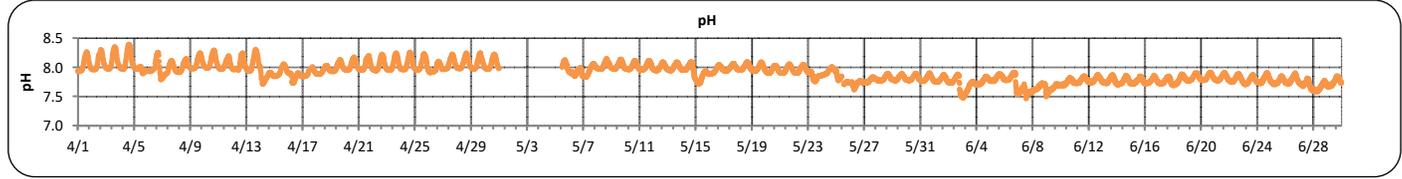
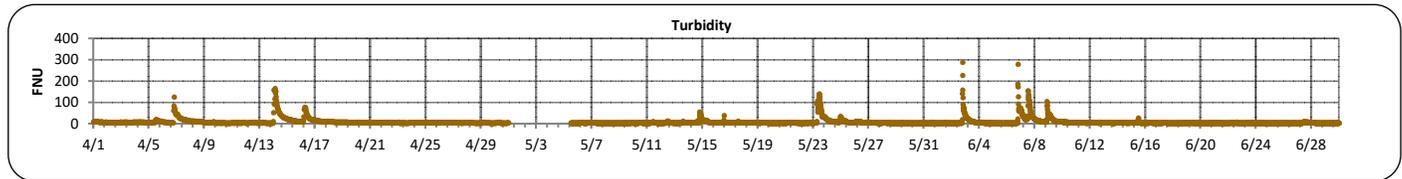
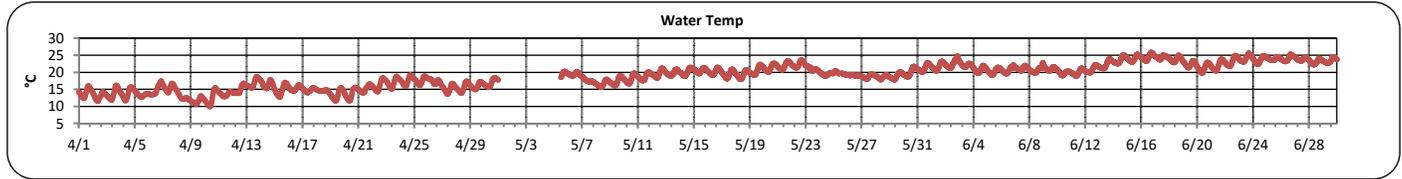
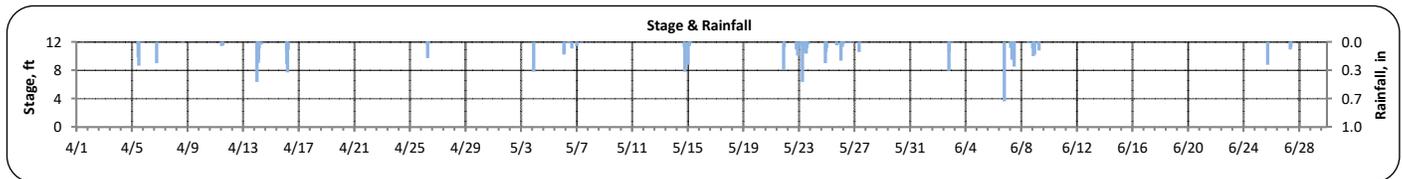
There were no data gaps at the Dobbs Branch at Park City Park location during this monitoring period.



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



PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			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
		pH:	7.5	8.4	7.9	7.9	0.1
APPROX. DRAINAGE AREA:	5.5 square 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 OXYGEN (mg/L):	5.1	12.8	7.9	8.2	1.4
TOTAL RAINFALL (FOR PERIOD):	10.8 inches						



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

REPORT GENERATED ON 9/26/2022





**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.
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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (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.