Dashboard

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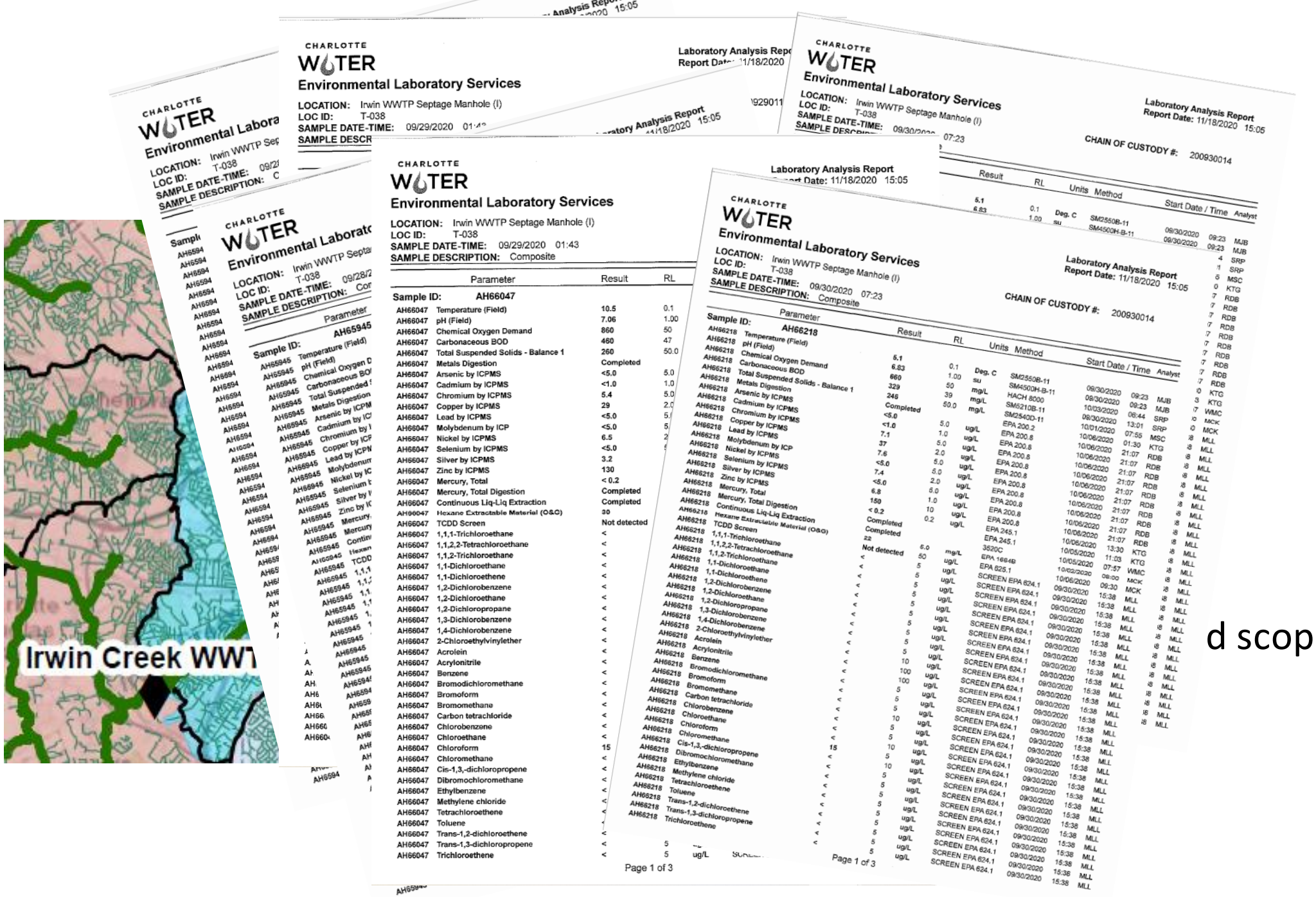
DashBORED


Irwin Creek WWT
CHARLOTTE WATER
Environmental Laboratory Services
LOCATION: Irwin WWTP Septage Manhole (I)
LOC ID: T-038
SAMPLE DATE-TIME: 09/29/2020 01:43
SAMPLE DESCRIPTION: Composite
Laboratory Analysis Report
Report Date: 11/18/2020 15:05
CHAIN OF CUSTODY #: 200930014
Sample ID: AH66047
Sample ID: AH66218
Page 1 of 3

d scope

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
COD

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: COD

Quick Trend

T-053	Site Info	
Avg	777.50	mg/L
Min	720.00	mg/L
Max	820.00	mg/L
Date	5/23/2023	

Unifirst

>>

Sugar		
Avg	743.3	mg/L
Min	690.0	mg/L
Max	780.0	mg/L
Date	5/22/2023	

<<

Quick Trend

T-021*	Site Info	
Avg	907.50	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info	
Avg	930.00	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/24/2023	

Quick Trend

T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Quick Trend

T-010*	Site Info	
Avg	845.00	mg/L
Min	770.00	mg/L
Max	980.00	mg/L
Date	5/25/2023	

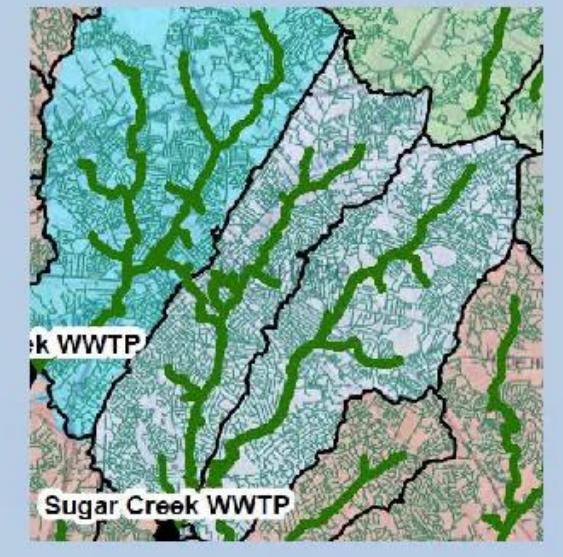
Quick Trend

T-024	Site Info	
Avg	688.00	mg/L
Min	580.00	mg/L
Max	900.00	mg/L
Date	5/25/2023	

Quick Trend

T-031	Site Info	
Avg	883.33	mg/L
Min	830.00	mg/L
Max	950.00	mg/L
Date	5/24/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

May 2023

toring Data

Quick Trend

021*	Site Info
907.50	mg/L
750.00	mg/L
1,100.00	mg/L
5/23/2023	

HazMat

hern

<<

Quick Trend

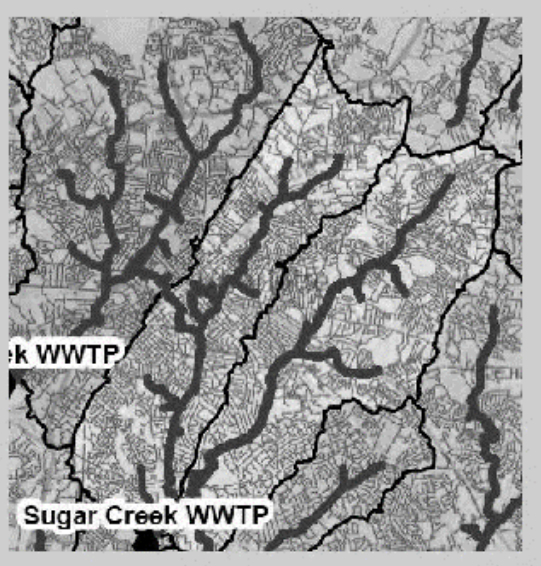
T-030	Site Info
Avg 930.00	mg/L
Min 750.00	mg/L
Max 1,100.00	mg/L
Date 5/24/2023	

^
^
^

Quick Trend

T-031	Site Info
Avg 883.33	mg/L
Min 830.00	mg/L
Max 950.00	mg/L
Date 5/24/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Quick Trend

T-053	Site Info	
Avg	777.50	mg/L
Min	720.00	mg/L
Max	820.00	mg/L
Date	5/23/2023	

Unifirst

>>

Sugar		
Avg	743.3	mg/L
Min	690.0	mg/L
Max	780.0	mg/L
Date	5/22/2023	

<<

Quick Trend

T-021*	Site Info	
Avg	907.50	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info	
Avg	930.00	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/24/2023	

^^^

Quick Trend

T-031	Site Info	
Avg	883.33	mg/L
Min	830.00	mg/L
Max	950.00	mg/L
Date	5/24/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy

^^^

Quick Trend

T-010*	Site Info	
Avg	845.00	mg/L
Min	770.00	mg/L
Max	980.00	mg/L
Date	5/25/2023	

^^

Quick Trend

T-024	Site Info	
Avg	688.00	mg/L
Min	580.00	mg/L
Max	900.00	mg/L
Date	5/25/2023	

T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent

< May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
COD

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: COD

Quick Trend

T-053	Site Info
Avg	777.50 mg/L
Min	720.00 mg/L
Max	820.00 mg/L
Date	5/23/2023

Unifirst

>>

Sugar	
Avg	743.3 mg/L
Min	690.0 mg/L
Max	780.0 mg/L
Date	5/22/2023

<<

Quick Trend

T-021*	Site Info
Avg	907.50 mg/L
Min	750.00 mg/L
Max	1,100.00 mg/L
Date	5/23/2023

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info
Avg	930.00 mg/L
Min	750.00 mg/L
Max	1,100.00 mg/L
Date	5/24/2023

^^^

Quick Trend

T-025	Site Info
Avg	0.00 mg/L
Min	0.00 mg/L
Max	0.00 mg/L
Date	

>>

Quick Trend

T-010*	Site Info
Avg	845.00 mg/L
Min	770.00 mg/L
Max	980.00 mg/L
Date	5/25/2023

^^

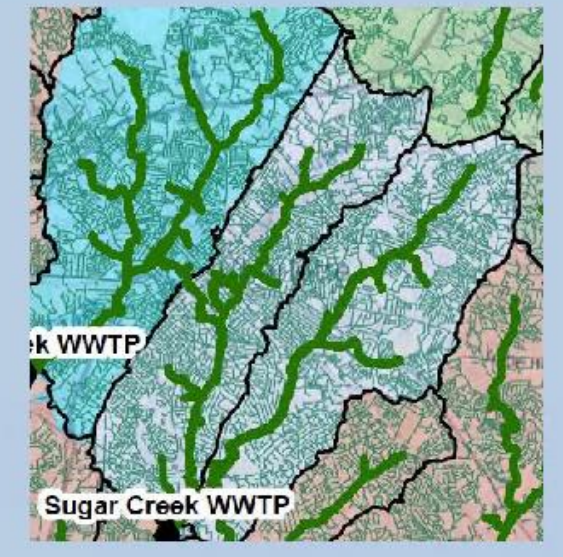
Quick Trend

T-024	Site Info
Avg	688.00 mg/L
Min	580.00 mg/L
Max	900.00 mg/L
Date	5/25/2023

Quick Trend

T-031	Site Info
Avg	883.33 mg/L
Min	830.00 mg/L
Max	950.00 mg/L
Date	5/24/2023

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
COD

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: COD

Quick Trend

T-053	Site Info	
Avg	777.50	mg/L
Min	720.00	mg/L
Max	820.00	mg/L
Date	5/23/2023	

Unifirst

>>

Sugar		
Avg	743.3	mg/L
Min	690.0	mg/L
Max	780.0	mg/L
Date	5/22/2023	

<<

Quick Trend

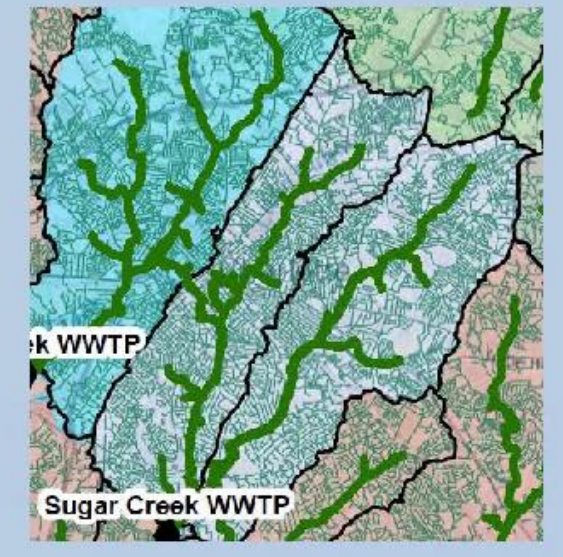
T-021*	Site Info	
Avg	907.50	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info	
Avg	930.00	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/24/2023	



T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Quick Trend

T-010*	Site Info	
Avg	845.00	mg/L
Min	770.00	mg/L
Max	980.00	mg/L
Date	5/25/2023	

Quick Trend

T-024	Site Info	
Avg	688.00	mg/L
Min	580.00	mg/L
Max	900.00	mg/L
Date	5/25/2023	

Quick Trend

T-031	Site Info	
Avg	883.33	mg/L
Min	830.00	mg/L
Max	950.00	mg/L
Date	5/24/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy

Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | May 2023

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
COD

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

Alkalinity
Ammonia
Ammonia Loading
Arsenic
Cadmium
CBOD

NAME LIKE '%T-053 COD'

Quick Trend

T-053	Site Info	
Avg	777.50	mg/L
Min	720.00	mg/L
Max	820.00	mg/L
Date	5/23/2023	

Unifirst

>>

Min	690.0	mg/L
Max	780.0	mg/L
Date	5/22/2023	

<<

Quick Trend

T-021*	Site Info	
Avg	907.50	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info	
Avg	930.00	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/24/2023	

Quick Trend

T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Quick Trend

T-010*	Site Info	
Avg	845.00	mg/L
Min	770.00	mg/L
Max	980.00	mg/L
Date	5/25/2023	

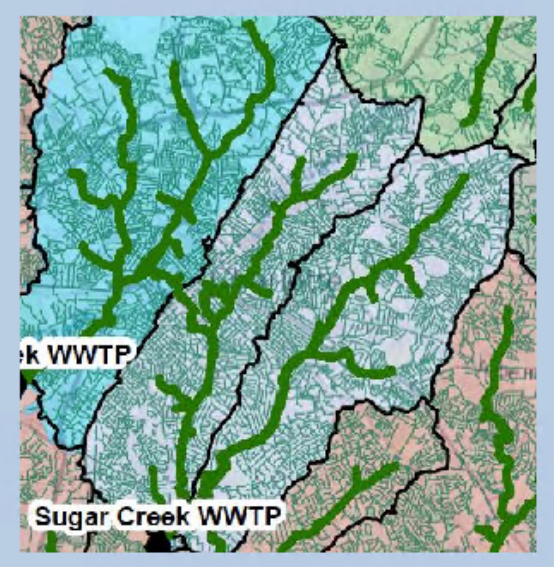
Quick Trend

T-024	Site Info	
Avg	688.00	mg/L
Min	580.00	mg/L
Max	900.00	mg/L
Date	5/25/2023	

Quick Trend

T-031	Site Info	
Avg	883.33	mg/L
Min	830.00	mg/L
Max	950.00	mg/L
Date	5/24/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
Ammonia

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

NAME LIKE '%T-053 Ammonia'

Quick Trend

T-053	Site Info
Avg 32.50 mg/L	
Min 31.00 mg/L	
Max 33.00 mg/L	
Date 5/22/2023	

Unifirst

>>

Sugar	
Avg 30.8 mg/L	
Min 22.0 mg/L	
Max 39.0 mg/L	
Date 5/26/2023	

<<

Quick Trend

T-021*	Site Info
Avg 45.50 mg/L	
Min 38.00 mg/L	
Max 49.00 mg/L	
Date 5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info
Avg 42.80 mg/L	
Min 33.00 mg/L	
Max 54.00 mg/L	
Date 5/26/2023	

^^^

Quick Trend

T-031	Site Info
Avg 60.67 mg/L	
Min 30.00 mg/L	
Max 84.00 mg/L	
Date 5/26/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy

^^^

Quick Trend

T-010*	Site Info
Avg 38.00 mg/L	
Min 38.00 mg/L	
Max 38.00 mg/L	
Date 5/23/2023	

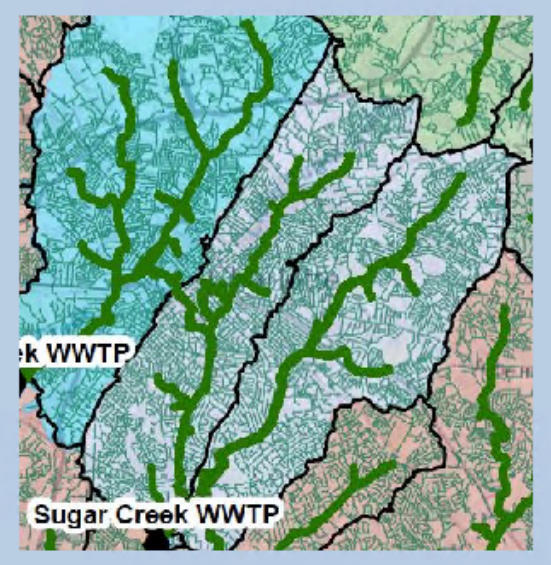
^^

Quick Trend

T-024	Site Info
Avg 34.20 mg/L	
Min 31.00 mg/L	
Max 38.00 mg/L	
Date 5/25/2023	

>>

T-025	Site Info
Avg 0.00 mg/L	
Min 0.00 mg/L	
Max 0.00 mg/L	
Date	



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Quick Trend

T-021*		Site Info
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco

Barnhardt

Cargil

Norfolk Southern

HazMat

Spread Report View - WQ - Sugar T-021

May 2023

K14 =VT(201060,6,1)

Date	201000 T-021 Alkalinity mg/L	201005 T-021 Ammonia mg/L	201020 T-021 CBOD mg/L	201030 T-021 COD mg/L	201035 T-021 Copper µg/L	201040 T-021 Cyanide µg/L	201050 T-021 HEM mg/L	201055 T-021 Lead µg/L	201060 T-021 Mercury µg/L	201065 T-021 Molybdenum µg/L	201070 T-021 Nickel µg/L	201075 T-021 Nitrate/Nitrite mg/L	201080 T-021 pH SU
5/1/2023													
5/2/2023													
5/3/2023													
5/4/2023													
5/5/2023													
5/6/2023													
5/7/2023													
5/8/2023													
5/9/2023													
5/10/2023													
5/11/2023													
5/12/2023													
5/13/2023													
5/14/2023													
5/15/2023													
5/16/2023													
5/17/2023													
5/18/2023													
5/19/2023													
5/20/2023													
5/21/2023													
5/22/2023	271	38.00	448.0	920	50.0	<10	21.0	<5.0	<0.2	<5.0	9.2	0.08	7.83
5/23/2023	339	49.00	492.0	1,100	240.0		16.0	5.9		5.4	28.0	0.25	8.39
5/24/2023													8.08
5/25/2023	299	46.00	357.0	750	36.0	<10	24.0	5.0	0.7	<5.0	5.9	<0.05	7.75
5/26/2023	321	49.00	385.0	860	35.0	<10	26.0	5.0	<0.2	<5.0	8.4	<0.05	7.61
5/27/2023													
5/28/2023													
5/29/2023													
5/30/2023													
5/31/2023													
Minimum	271	38.00	357.0	750	35.0	<10	16.0	<5.0	<0.2	<5.0	5.9	<0.05	7.61
Maximum	339	49.00	492.0	1,100	240.0	<10	26.0	5.9	0.7	5.4	28.0	0.25	8.39
Average	308	45.50	420.5	908	90.3	<0	21.8	<4.0	<0.2	<1.4	12.9	<0.08	7.93

Date	201085 T-021 Selenium µg/L	201090 T-021 Silver µg/L	201095 T-021 Temperature Deg C	201100 T-021 TKN mg/L	201105 T-021 Total Phosphorus mg/L	201110 T-021 TSS mg/L	201115 T-021 Volatile Acids mg/L	201120 T-021 Zinc µg/L
5/1/2023								
5/2/2023								
5/3/2023								
5/4/2023								
5/5/2023								
5/6/2023								
5/7/2023								
5/8/2023								
5/9/2023								
5/10/2023								
5/11/2023								
5/12/2023								
5/13/2023								
5/14/2023								
5/15/2023								
5/16/2023								
5/17/2023								
5/18/2023								
5/19/2023								
5/20/2023								
5/21/2023								
5/22/2023	<5.0	<1.0	22.6	63.00	38.00	372.0		130.0
5/23/2023	<5.0	<1.0	21.8	74.00	49.00	416.0	169	190.0
5/24/2023			21.9					
5/25/2023	<5.0	2.8	22.5	64.00	46.00	278.0		120.0
5/26/2023	<5.0	2.0	19.8	54.00	49.00	186.0		120.0
5/27/2023								
5/28/2023								
5/29/2023								
5/30/2023								
5/31/2023								
Minimum	<5.0	<1.0	19.8	54.00	38.00	186.0	169	120.0
Maximum	<5.0	2.8	22.6	74.00	49.00	416.0	169	190.0
Average	<0.0	<1.2	21.7	63.75	45.50	313.0	169	140.0

Quick Trend

T-021*		Site Info
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco HazMat

Barnhardt

Cargil

Norfolk Southern

Trunkline Site:	T-021
Address:	Tyvola Rd-across from Sugar WWTP
MH#, Diameter, Depth:	2189,54in,17.8ft
IUs Upstream:	Alsco Barnhardt Cargil Norfolk Southern HazMat

Basin: Sugar

Quick Trend

T-021*		Site Info
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco HazMat

Barnhardt

Cargil

Norfolk Southern

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
Ammonia

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

NAME LIKE '%T-053 Ammonia'

Quick Trend

T-053	Site Info
Avg 32.50 mg/L	
Min 31.00 mg/L	
Max 33.00 mg/L	
Date 5/22/2023	

Unifirst

>>

Sugar	
Avg 30.8 mg/L	
Min 22.0 mg/L	
Max 39.0 mg/L	
Date 5/26/2023	

<<

Quick Trend

T-021*	Site Info
Avg 45.50 mg/L	
Min 38.00 mg/L	
Max 49.00 mg/L	
Date 5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info
Avg 42.80 mg/L	
Min [illegible] mg/L	
Max [illegible] mg/L	
Date 5/26/[illegible]	

Quick Trend

T-025	Site Info
Avg 0.00 mg/L	
Min 0.00 mg/L	
Max 0.00 mg/L	
Date	

>>

Quick Trend

T-010*	Site Info
Avg 38.00 mg/L	
Min 38.00 mg/L	
Max 38.00 mg/L	
Date 5/23/2023	

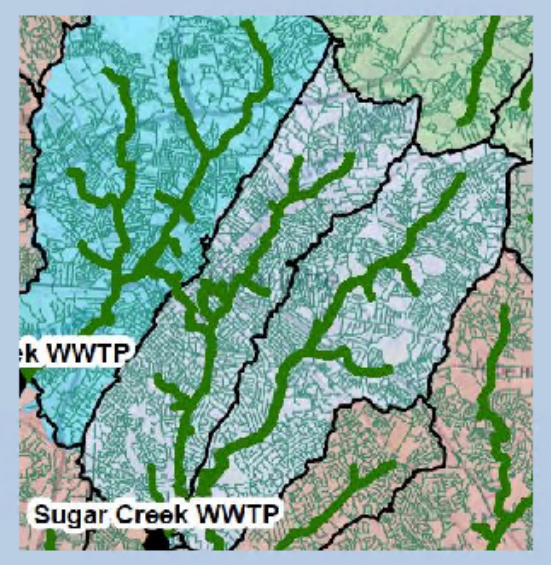
Quick Trend

T-024	Site Info
Avg 34.20 mg/L	
Min 31.00 mg/L	
Max 38.00 mg/L	
Date 5/25/2023	

Quick Trend

T-031	Site Info
Avg 60.67 mg/L	
Min 30.00 mg/L	
Max 84.00 mg/L	
Date 5/26/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
Ammonia

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

NAME LIKE '%T-053 Ammonia'

Quick Trend

T-053	Site Info	
Avg	32.50	mg/L
Min	31.00	mg/L
Max	33.00	mg/L
Date	5/22/2023	

Unifirst

>>

Sugar		
Avg	30.8	mg/L
Min	22.0	mg/L
Max	39.0	mg/L
Date	5/26/2023	

<<

Quick Trend

T-021*	Site Info	
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

Quick Trend

T-030	Site Info	
Avg	42.80	mg/L
Min	33.00	mg/L
Max	54.00	mg/L
	5/26/2023	

Quick Trend

T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Quick Trend

T-010*	Site Info	
Avg	38.00	mg/L
Min	38.00	mg/L
Max	38.00	mg/L
Date	5/23/2023	

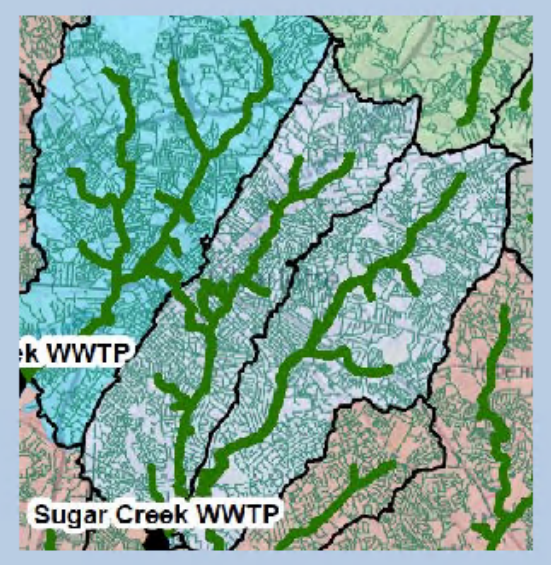
Quick Trend

T-024	Site Info	
Avg	34.20	mg/L
Min	31.00	mg/L
Max	38.00	mg/L
Date	5/25/2023	

Quick Trend

T-031	Site	
Avg	60.67	mg/L
Min	30.00	mg/L
Max	84.00	mg/L
Date	5/26/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Sugar Basin 624 Hits

Date Range: 5/1/2023 - 5/31/2023

Date	Location	Parameter	Result	
5/22/2023	T-021	$624 Chloroform	4.2	µg/L
5/23/2023	T-010	$624 Chloroform	3.1	µg/L
5/23/2023	T-010	$624 Toluene	2.9	µg/L
5/23/2023	T-021	$624 Chloroform	3.4	µg/L
5/24/2023	T-010	$624 Chloroform	2.5	µg/L
5/24/2023	T-010	$624 Toluene	3.4	µg/L
5/25/2023	T-010	$624 Chloroform	2.3	µg/L
5/25/2023	T-010	$624 Methylene chloride	6.7	µg/L
5/25/2023	T-010	$624 Toluene	3.4	µg/L
5/25/2023	T-021	$624 Chloroform	3.5	µg/L
5/26/2023	T-010	$624 Chloroform	2.3	µg/L
5/26/2023	T-010	$624 Methylene chloride	2	µg/L
5/26/2023	T-010	$624 Toluene	3.8	µg/L
5/26/2023	T-021	$624 Chloroform	3.5	µg/L

Sugar Basin 625 Hits

Date Range: 5/1/2023 - 5/31/2023

Date	Location	Parameter	Result	
5/22/2023	T-021	$625 Di-n-octylphthalate	7.8	µg/L
5/22/2023	T-021	$625 Phenol	5.4	µg/L
5/23/2023	T-010	$625 Di-n-octylphthalate	13	µg/L
5/23/2023	T-010	$625 Phenol	11	µg/L
5/23/2023	T-021	$625 Phenol	12	µg/L
5/24/2023	T-010	$625 Di-n-octylphthalate	11	µg/L
5/24/2023	T-010	$625 Phenol	11	µg/L
5/25/2023	T-010	$625 Di-n-octylphthalate	15	µg/L
5/25/2023	T-021	$625 Di-n-octylphthalate	19	µg/L
5/26/2023	T-010	$625 Phenol	12	µg/L
5/26/2023	T-021	$625 Phenol	8.5	µg/L

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
Ammonia

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

NAME LIKE '%T-053 Ammonia'

Quick Trend

T-053	Site Info
Avg 32.50 mg/L	
Min 31.00 mg/L	
Max 33.00 mg/L	
Date 5/22/2023	

Unifirst

>>

Sugar	
Avg 30.8 mg/L	
Min 22.0 mg/L	
Max 39.0 mg/L	
Date 5/26/2023	

<<

Quick Trend

T-021*	Site Info
Avg 45.50 mg/L	
Min 38.00 mg/L	
Max 49.00 mg/L	
Date 5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info
Avg 42.80 mg/L	
Min 33.00 mg/L	
Max 54.00 mg/L	
Date 5/26/2023	

^^^

T-025	Site Info
Avg 0.00 mg/L	
Min 0.00 mg/L	
Max 0.00 mg/L	
Date	

>>

Quick Trend

T-010*	Site Info
Avg 38.00 mg/L	
Min 38.00 mg/L	
Max 38.00 mg/L	
Date 5/23/2023	

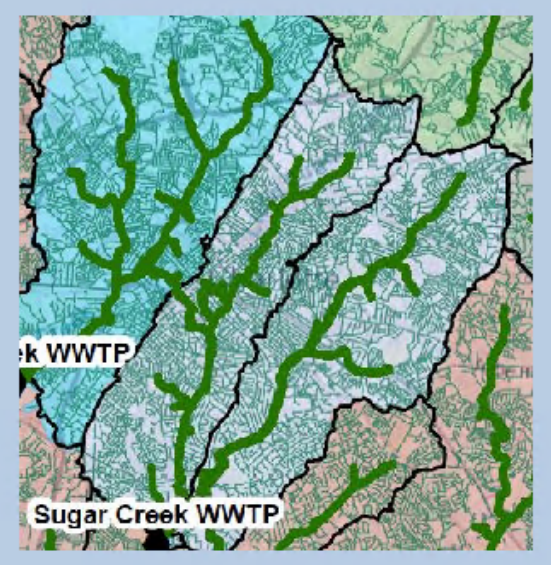
^^

Quick Trend

T-024	Site Info
Avg 34.20 mg/L	
Min 31.00 mg/L	
Max 38.00 mg/L	
Date 5/25/2023	

T-03	Info
Avg 60.67	
Min 30.00	
Max 84.00 mg/L	
Date 5/26/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Multi Parameter, Single Site

Spread Report View - WQ - Sugar T-021

K14 =VT(201060,6,1)

	201000 T-021 Alkalinity	201005 T-021 Ammonia	201020 T-021 CBOD	201030 T-021 COD	201035 T-021 Copper	201040 T-021 Cyanide
Date	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
5/1/2023						
5/2/2023						
5/3/2023						
5/4/2023						
5/5/2023						
5/6/2023						
5/7/2023						
5/8/2023						
5/9/2023						
5/10/2023						
5/11/2023						
5/12/2023						
5/13/2023						
5/14/2023						
5/15/2023						
5/16/2023						
5/17/2023						
5/18/2023						
5/19/2023						
5/20/2023						
5/21/2023						
5/22/2023	271	38.00	448.0	920	50.0	<10
5/23/2023	339	49.00	492.0	1,100	240.0	
5/24/2023						
5/25/2023	299	46.00	357.0	750	36.0	<10
5/26/2023	321	49.00	385.0	860	35.0	<10
5/27/2023						
5/28/2023						
5/29/2023						
5/30/2023						
5/31/2023						
Minimum	271	38.00	357.0	750	35.0	<10
Maximum	339	49.00	492.0	1,100	240.0	<10
Average	308	45.50	420.5	908	90.3	<0

lonitoring Data T-021

Select Site to View: T-021

OD	COD		Copper		Cyanide		HEM	
367.3	Avg	898.2	Avg	55.0	Avg	3.9	Avg	24.8
258	Min	510	Min	15	Min	0	Min	10
507	Max	1,500	Max	370	Max	16	Max	39
17	Count	17	Count	22	Count	17	Count	17

Result	Date	Result	Date	Result	Date	Result	Date	Result
266	11/18/2019	560	11/18/2019	17	11/18/2019	<10	11/18/2019	37
398	11/19/2019	1,100	11/19/2019	48	11/19/2019	<10	11/19/2019	23
320	11/20/2019	740	11/20/2019	21	11/20/2019	<10	11/20/2019	29
366	11/21/2019	600	11/21/2019	23	11/21/2019	<10	11/21/2019	27
345	11/22/2019	780	11/22/2019	21	11/22/2019	<10	11/22/2019	25
258	6/21/2021	510	3/22/2021	46	6/21/2021	<10	6/21/2021	38
380	6/22/2021	900	3/23/2021	34	6/22/2021	<10	6/22/2021	26
384	6/23/2021	1,400	3/24/2021	31	6/23/2021	16	6/23/2021	11
429	6/24/2021	1,300	3/25/2021	25	6/24/2021	<10	6/24/2021	12
507	6/25/2021	1,500	3/26/2021	20	6/25/2021	<10	6/25/2021	18
360	11/1/2022	620	6/21/2021	18	11/1/2022	<10	11/1/2022	39
349	11/2/2022	860	6/22/2021	34	11/2/2022	<10	11/2/2022	32
362	11/3/2022	820	6/23/2021	120	11/3/2022	<10	11/3/2022	32
442	11/4/2022	930	6/24/2021	92	11/4/2022	<10	11/4/2022	36
350	5/24/2023	950	6/25/2021	110	5/24/2023	<10	5/24/2023	9.9
406	5/25/2023	870	11/1/2022	15	5/25/2023	<10	5/25/2023	14
322	5/26/2023	830	11/2/2022	26	5/26/2023	<10	5/26/2023	13

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
Ammonia

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

NAME LIKE '%T-053 Ammonia'

Quick Trend

T-053	Site Info	
Avg	32.50	mg/L
Min	31.00	mg/L
Max	33.00	mg/L
Date	5/22/2023	

Unifirst

>>

Sugar		
Avg	30.8	mg/L
Min	22.0	mg/L
Max	39.0	mg/L
Date	5/26/2023	

<<

Quick Trend

T-021*	Site Info	
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info	
Avg	42.80	mg/L
Min	33.00	mg/L
Max	54.00	mg/L
Date	5/26/2023	

Quick Trend

T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Quick Trend

T-010*	Site Info	
Avg	38.00	mg/L
Min	38.00	mg/L
Max	38.00	mg/L
Date	5/23/2023	

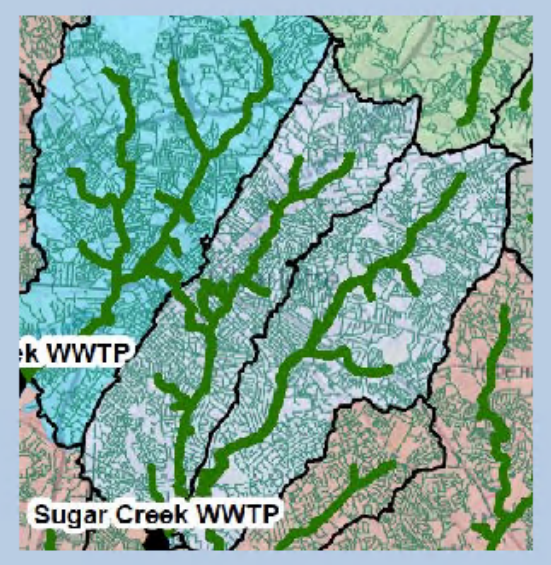
Quick Trend

T-024	Site Info	
Avg	34.20	mg/L
Min	31.00	mg/L
Max	38.00	mg/L
Date	5/25/2023	

Quick Trend

T-031	Site Info	
	60.67	mg/L
		mg/L
Max		mg/L
Date	5/26	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

Single Parameter, Multi-Site

Select Parameter: Total Phosphorus

T-031			T-053			T-010			T-024			T-025		
Date	VarNum	Result	Date	VarNum	Result	Date	VarNum	Result	Date	VarNum	Result	Date	VarNum	Result
11/18/2019	205105	6	11/19/2019	206105	6	11/19/2019	200105	7	11/18/2019	202105	5	11/18/2019	203105	6
11/19/2019	205105	17	11/21/2019	206105	6	11/21/2019	200105	7	11/19/2019	202105	5	11/19/2019	203105	6
11/20/2019	205105	7	11/22/2019	206105	6	11/22/2019	200105	6	11/20/2019	202105	6	11/20/2019	203105	5
11/21/2019	205105	7	6/20/2021	206105	5	6/21/2021	200105	5	11/21/2019	202105	4	11/21/2019	203105	6
11/22/2019	205105	7	6/22/2021	206105	6	6/22/2021	200105	6	11/22/2019	202105	6	11/22/2019	203105	6
6/21/2021	205105	5	6/23/2021	206105	6	6/23/2021	200105	5	6/20/2021	202105	5	6/21/2021	203105	5
6/22/2021	205105	8	6/24/2021	206105	6	6/24/2021	200105	6	6/22/2021	202105	5	6/22/2021	203105	6
6/23/2021	205105	27	6/25/2021	206105	6	6/25/2021	200105	6	6/23/2021	202105	5	6/23/2021	203105	6
6/24/2021	205105	20	10/31/2022	206105	7	10/31/2022	200105	7	6/24/2021	202105	5	6/24/2021	203105	6
6/25/2021	205105	26	11/1/2022	206105	7	11/1/2022	200105	6	6/25/2021	202105	5	6/25/2021	203105	6
11/1/2022	205105	8	11/2/2022	206105	7	11/2/2022	200105	6	10/31/2022	202105	5	10/31/2022	203105	7
11/2/2022	205105	8	11/3/2022	206105	7	11/3/2022	200105	7	11/1/2022	202105	5	11/1/2022	203105	6
11/3/2022	205105	8	11/4/2022	206105	7	11/4/2022	200105	7	11/2/2022	202105	5	11/2/2022	203105	7
11/4/2022	205105	11	5/22/2023	206105	6	5/23/2023	200105	6	11/3/2022	202105	5	11/3/2022	203105	7
5/24/2023	205105	20	5/23/2023	206105	6	5/24/2023	200105	7	11/4/2022	202105	6	11/4/2022	203105	7
5/25/2023	205105	14	5/25/2023	206105	6	5/25/2023	200105	6	5/22/2023	202105	5	5/25/2023	203105	7

Dashboard Options: Open | Home | Back | Refresh | Print | Edit | Show | Recent | < May 2023 >

Water Quality Dashboard

Sugar Creek Trunkline Monitoring Data
Ammonia

Sampling Event Dates	
5/22/2023	5/26/2023
10/31/2022	11/4/2022
6/21/2021	6/25/2021
3/22/2021	3/26/2021
11/18/2019	11/22/2019
6/4/2018	6/8/2018
1/22/2018	1/26/2018
8/21/2017	8/25/2017
11/14/2016	11/18/2016

Select Parameter: Ammonia

NAME LIKE '%T-053 Ammonia'

Quick Trend

T-053	Site Info	
Avg	32.50	mg/L
Min	31.00	mg/L
Max	33.00	mg/L
Date	5/22/2023	

Unifirst

>>

Sugar		
Avg	30.8	mg/L
Min	22.0	mg/L
Max	39.0	mg/L
Date	5/26/2023	

<<

Quick Trend

T-021*	Site Info	
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco
Barnhardt
Cargil
Norfolk Southern
HazMat

<<

Quick Trend

T-030	Site Info	
Avg	42.80	mg/L
Min	33.00	mg/L
Max	54.00	mg/L
Date	5/26/2023	

^^^

Quick Trend

T-025	Site Info	
Avg	0.00	mg/L
Min	0.00	mg/L
Max	0.00	mg/L
Date		

>>

Quick Trend

T-010*	Site Info	
Avg	38.00	mg/L
Min	38.00	mg/L
Max	38.00	mg/L
Date	5/23/2023	

^^

Quick Trend

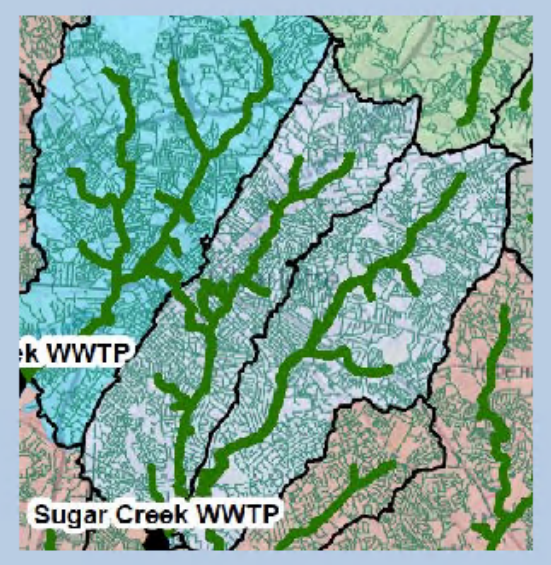
T-024	Site Info	
Avg	34.20	mg/L
Min	31.00	mg/L
Max	38.00	mg/L
Date	5/25/2023	

^^^

Quick Trend

T-031	Site Info	
Avg	60.67	mg/L
Min	30.00	mg/L
Max	84.00	mg/L
Date	5/26/2023	

Allied Metal
AO Smith
Charlston Spar
Hardcoatings
Orbit Energy



Flow/Rainfall Data

*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

Sugar Facility Dashboard

IRWIN BYPASS

Quick Trend

T-040 | Site Info

Avg	5.8	mg/L
Min	4.6	mg/L
Max	7.7	mg/L
Date	3/30/2022	

Quick Trend

T-052 | Site Info

Avg		mg/L
Min		mg/L
Max		mg/L
Date		

RETIRED

Quick Trend

T-047 | Site Info

Avg	6.0	mg/L
Min	4.7	mg/L
Max	7.0	mg/L
Date	3/29/2022	

SUGAR CREEK

Quick Trend

T-055 | Site Info

Avg	9.5	mg/L
Min	5.8	mg/L
Max	13.0	mg/L
Date	9/20/2021	

Quick Trend

T-028 | Site Info

Avg	7.2	mg/L
Min	6.0	mg/L
Max	9.2	mg/L
Date	3/2/2017	

Quick Trend

T-009 | Site Info

Avg	6.5	mg/L
Min	5.9	mg/L
Max	7.0	mg/L
Date	8/29/2018	

Duff Norton

Waste Connections of NC

Quick Trend

T-048 | Site Info

Avg		
Min		
Max		
Date		

Charlotte Plating

Snyder's Lance

Quick Trend

T-008* | Site Info

Avg	6.0	mg/L
Min	4.1	mg/L
Max	7.0	mg/L
Date	8/31/2018	

Quick Trend

T-007* | Site Info

Avg	5.9	mg/L
Min	3.5	mg/L
Max	7.8	mg/L
Date	9/21/2021	

McAlpine

Avg	6.3	mg/L
Min	3.3	mg/L
Max	10.0	mg/L
Date	6/17/2019	

STEELE CREEK

Quick Trend

T-037 | Site Info

Avg	6.1	mg/L
Min	4.1	mg/L
Max	7.7	mg/L
Date	11/3/2017	

Aplix

Siemens

Quick Trend

Steele Crk Lift Stn

Avg	0.0	
Min	0.0	
Max	0.0	
Date		

RETIRED

Quick Trend

T-014 | Site Info

Avg	8.9	mg/L
Min	6.3	mg/L
Max	13.0	mg/L
Date	8/30/2018	

Arjobex, Bakkavor

Brenntag, Cintas 99k

Frito Lay

IGM Resins

Inolex

Safe Fleet

What’s It Good For

- More efficient data review process
- Visual of special relationships between sampling sites
- Investigations/narrow down source of a problem

FOR REFERENCE

Laying the Groundwork: Variable Name

E7 ...

= CONCAT(“Name like ‘%T-022 ”,**H5**,“’”)

	A	B	C	D	E	F	G	H	I	J
1										
2		Water Quality Dashboard								
3										
4										
5					Select Parameter:			Total Phosphorus		
6		Sampling Event Dates								
7		1/23/2023	1/27/2023		Name like '%T-022 Total Phosphorus'					
8		10/31/2022	11/4/2022		Quick Trend					
9		3/28/2022	4/1/2022		T-022					
10		9/20/2021	9/24/2021		Avg	5.6	mg/L			
11		6/21/2021	6/25/2021		Min	2.7	mg/L			
12		9/28/2020	10/2/2020		Max	8.9	mg/L			
13		11/18/2019	11/22/2019		Date	2/17/2019				

Laying the Groundwork: Variable Number

G13

= VINFO(E7,"VarNum")

Water Quality Dashboard

Sampling Event Dates	
1/23/2023	1/27/2023
10/31/2022	11/4/2022
3/28/2022	4/1/2022
9/20/2021	9/24/2021
6/21/2021	6/25/2021
9/28/2020	10/2/2020
11/18/2019	11/22/2019

Select Parameter: Total Phosphorus

Name like '%T-022 Total Phosphorus'

Quick Trend

T-022		
Avg	5.6	mg/L
Min	2.7	mg/L
Max	8.9	mg/L
Date	2/17/2019	113105

Populating Data:

=MVSTAT(“Avg”,1,“R”,**G13**)

=MVSTAT(“Min”,1,“R”,**G13**)

=MVSTAT(“Max”,1,“R”,**G13**)

=DSORT(**G13**,1,"D","Short Date","R",1)