



CITY OF RICHMOND

DEPARTMENT OF PUBLIC UTILITIES

March 31, 2023

Ms. Somsiri Youngpattana
Department of Environmental Quality
Piedmont Regional Office
4949-A Cox Rd.
Glen Allen, VA 23060

Re: Integrated Annual Report for the City of Richmond Municipal Separate Storm Sewer System (MS4) and the Combined Sewer System (CSS), Permit No. VA0063177

Dear Ms. Youngpattana,

As required by the Virginia Pollution Discharge Elimination System permit issued to the City of Richmond Department of Public Utilities in October 2018, the City submits its Integrated Annual Report for both the Combined Sewer System and the Municipal Separate Storm Sewer System for the permit period January 1, 2022 through December 31, 2022.

The city appreciates the opportunity to continue to report on our activities under the first ever integrated permit in the Commonwealth of Virginia.

Please contact me if any further information is required.

Thank you.

Sincerely,

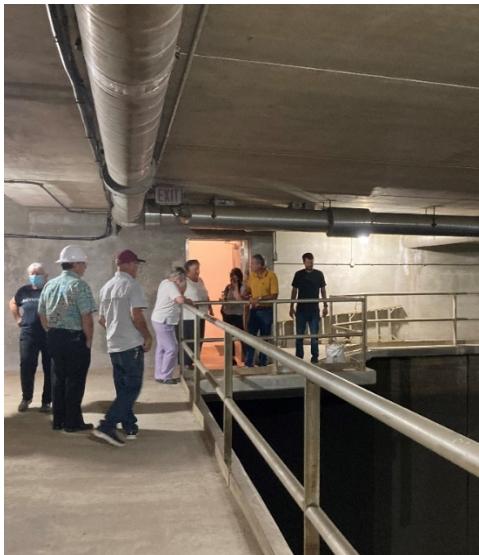
April N. Bingham

April N. Bingham, MPA
Director

Cc: Joy Abel - DEQ
Patrick Bishop - DEQ
Grace LeRose
Robert Stone

City of Richmond, Virginia
Department of Public Utilities
Integrated CSS and MS4
2022 Annual Report

March 31, 2023



Legend for Cover Photos:

1. Combined Sewer System Public Stakeholder Group Tour of Shockoe Retention Basin – September 2022
2. National Association of Clean Water Agencies National Environmental Achievement Award Ceremony – February 2023
3. Earth Day Volunteer Clean-Up with Virginia Water Environment Association at Ancarrow's Landing – April 2022



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List of Abbreviations

CSS	combined sewer system
DPU	Department of Public Utilities
DWF	dry weather flow
DWO	dry weather overflow
I/I	inflow and infiltration
MG	million gallons
MGD	million gallons per day
MS4	Municipal Separate Storm Sewer System
NMC	nine minimum controls
SCM	six minimum controls
WWTP	Richmond Wastewater Treatment Plant

Section 1

General Information

Permittee Name

City of Richmond

System Name

City of Richmond, Department of Public Utilities (DPU)

Richmond Wastewater Treatment Plant (WWTP), Richmond Combined Sewer System (CSS) and Richmond Municipal Separate Storm Sewer System (MS4)

VPDES Permit No.

VA0063177

Reporting Period

January 1, 2022 through December 31, 2022

Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

April N. Bingham

April Bingham, Director of Public Utilities

March 31, 2023

Date

Section 2

Combined Sewer System (CSS)

The metered results of the volume and number of overflows for each combined sewer overflow (CSO) outfall based on the measured storm event data for the 2022 reporting period is presented in Tables 2-1 and 2-2 below, respectively. A map of the CSS outfalls is presented in Appendix A.

Table 2-1. Metered Overflow Volume (MG)

CSO Outfall	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Total FY22
Hampton Street CSO Area													
19	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0
McCloy Street CSO Area													
20	0	0	0	0	0	0	0	0	0	0	0	0	0
Northside James River Park CSO Area													
7	0	0	0	0.05	0.07	0.22	0.02	0.17	0.12	0	0.02	0	0.7
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0.14	0	0.1	0.02	0.14	0.53	0.05	0.59	0.72	0.17	1.78	0.55	4.8
Southside James River Park CSO Area													
15	0	0	0	0	0	0	0	0	0	0	0.08	0.29	0.4
16	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17	0.02	0	0	0	0	0.07	0.24	0.27	0	0	0.02	0.03	0.7
18	0	0	0	0	0	0	0	0	0	0	0	0	0.0
40	6.37	0.13	2.31	2.15	2.86	2.88	2.23	5.97	1.5	1	2.8	7.34	37.5
Shockoe Creek CSO Area													
6	166.06	0.03	69.98	54.68	67.32	94.89	0.55	30.38	25.1	11.82	28.9	253.1	802.8
34	1.6	0	0.29	0.17	0.9	0.79	0.21	1.12	1.33	0.38	0.25	0.33	7.4
Wastewater Treatment Plant CSO Area													
14	0.98	0	0.03	0.15	0.2	0.71	0.14	1.23	0.28	0.09	0.16	0.45	4.4
21	16.78	2.48	1.96	2.31	1.85	3.86	0.07	1.38	0	0	0.98	12.78	44.5
Gillies Creek CSO Area													
4	1.1	0.02	0.73	0.34	0.92	1.04	0.12	0.65	1.01	0.34	0.9	1.54	8.7
5	0.76	0	0	0.42	0.24	0.85	0	0.24	0.01	0.02	1.1	4.7	8.3
24	0	0	0	0	0.02	0.1	0	0	0	0	0	0	0.1
25	0	0	0	0	0	0.04	0	0	0	0	0	0	0.0
26	0.01	0	0	0	0.01	0.4	0.42	0	0.1	0.03	0	0.07	1.0
31	0.88	0	0	0	2.46	3.93	0	1.29	2.63	0.51	0	1.29	13.0
35	0.17	0.02	0.2	0.19	0.29	0.25	0.06	0.16	0.16	0.05	0.12	0.29	2.0
39	2.3	0.04	1.12	0.49	1.46	2.49	0.27	0.66	0.58	0.29	0.59	2.88	13.2
Hilton Street CSO Area													
12	0.06	0	0	0	0.03	0.15	0.08	0	0.01	0.01	0	0.04	0.4

Table 2-2. Metered Number of Overflow Occurrences

CSO Outfall	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Total FY22
Hampton Street CSO Area													
19	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0
McCloy Street CSO Area													
20	0	0	0	0	0	0	0	0	0	0	0	0	0
Northside James River Park CSO Area													
7	0	0	0	1	1	3	0	1	2	0	1	0	9
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	1	1	1	3	1	2	2	1	3	2	18
Southside James River Park CSO Area													
15	0	0	0	0	0	0	0	0	0	0	2	3	5
16	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	1	2	2	0	0	1	1	8
18	0	0	0	0	0	0	0	0	0	0	0	0	0
40	3	2	3	2	4	8	7	2	3	3	5	3	45
Shockoe Creek CSO Area													
6	6	1	4	2	4	5	4	9	4	5	5	5	54
34	4	0	4	1	3	2	3	2	4	3	3	4	33
Wastewater Treatment Plant CSO Area													
14	2	0	1	1	1	3	1	2	2	1	2	2	18
21	6	3	4	1	5	3	1	2	0	0	3	2	30
Gillies Creek CSO Area													
4	3	1	4	3	5	4	5	2	4	4	4	5	44
5	2	0	0	1	2	2	0	1	0	1	2	2	13
24	0	0	0	0	1	1	0	0	0	0	0	0	2
25	0	0	0	0	0	1	0	0	0	0	0	0	1
26	0	0	0	0	0	2	1	0	1	1	0	1	6
31	1	0	0	0	2	4	0	1	2	1	0	1	12
35	2	0	4	3	5	4	3	2	3	1	3	3	33
39	3	1	4	3	5	4	4	2	4	3	4	4	41
Hilton Street CSO Area													
12	1	0	0	0	2	2	1	0	1	1	0	1	9

Section 3

CSS and MS4 Nine Minimum Controls (NMC) and Six Minimum Controls (MCM)

3.1 Operation and Maintenance of the CSS (NMC 1)

3.1.1 Inspection and Maintenance of CSS Control Structures and Pump Stations

The City follows a regular schedule for inspection and maintenance of regulators, CSO outfalls, and pump stations. The schedule of performance of the City's O&M program is summarized in Table 3-1 and 3-2 below. Equipment inspection, screen cleaning and debris removal are part of the regular activities.

Table 3-1. CSS Control Structure O&M Program

CSO Control Structures	Inspection Interval	Maintenance	
		Interval	Type
Dry Weather Regulators (29) Wet Weather Regulators (10)	Monthly	Monthly	Preventative Maintenance
CSO Outfalls (25)	Monthly	Monthly	Preventative Maintenance

Table 3-2. CSS Pump Station O&M Program

Pump Station	Capacity (MGD)		Estimated Dry Weather Peak (MGD)	Inspection/Maintenance Interval
	Firm	Installed		
Douglasdale	7.5	13.0	2.2	Daily
Hampton/McCloy	0.9	1.7	0.4	Daily
Upham Brook	8.6	13.0	0.3	Daily

If major repairs are deemed necessary at the inspection, a work order is initiated, and the repairs are scheduled. Rehabilitation efforts were performed for CSO Outfalls 15, 16, 17, 18, 19, and 20 by an annual contractor over the 2022 reporting period to restabilize the outfalls.



Figure 3-1: Restabilized CSO 17 Outfall

3.1.2 Sewer Flushing and Cleaning

The City follows a regular schedule for routine sewer line flushing and cleaning. Maintenance activities performed on the collection system during the 2022 reporting period are summarized in Table 3-3 below.

Table 3-3. Sewer System Maintenance Activities

Activity	Interval	Quantity
Sewer Cleaning	Annually (at a minimum)	24.7 miles
CCTV Inspection	Annually	24.9 miles

3.1.3 Catch Basin Cleaning

The City follows a regular schedule for routine catch basin cleaning. The City cleaned 2,896 catch basins throughout the CSS during the 2022 reporting period.

3.2 Use of Collection System for Storage (NMC 2)

3.2.1 Information regarding storage at Shockoe Retention Basin and Hampton/McCloy Tunnel

Storage is provided in the Shockoe and Hampton/McCloy CSO areas through existing retention facilities.

- The Shockoe facilities serve about 8,000 acres of the CSS and comprise a 35 million gallon (MG) retention basin with upstream in-line storage of approximately 15 MG in diversion structures and arch and box sewers.
- The Hampton/McCloy tunnel serves about 1,012 acres of the CSS and comprises a 7.2 MG retention tunnel.

3.2.2 Sewer Re-lining Activities to reduce Inflow and Infiltration (I/I)

The City implements a sewer lining program annually to reduce I/I. The City lined 30,620 feet of sewer during the 2022 reporting period.

3.2.3 Operation of WWTP influent pumping to fill intercepting system

During wet weather events the Main Pumping Station is operated at 140 MGD to maximize flow to the WWTP. A new Standard Operating Procedure (SOP) was developed in 2022 to maximize the use of the 140 MGD treatment capacity before the in-line storage in the interceptor system is utilized. The Main Pumping Station is operated ahead of anticipated wet weather events to the lower the hydraulic gradeline in the collection system to create additional storage capacity in the interceptor system. As the wet weather event begins, the Main Pumping Station's flowrate is increased to 140 MGD at a lower elevation to maximize flow through the WWTP, before the interceptor inline storage is utilized. As the wet weather event continues, combined sewage is stored in the interceptor system before overflows occur.

Portions of the intercepting sewers that convey flow to the WWTP are located at elevations below the lowest CSO outfall overflow elevation. The majority of these low-lying intercepting sewers are in the Shockoe CSO drainage area where the lowest overflow elevation is 1.00 feet. Table 3-4 below summarizes the intercepting sewers below the lowest CSO overflow elevation and the corresponding estimated storage capacity.

Table 3-4. Intercepting Sewers Below Lowest CSO Overflow Elevation			
Intercepting Sewer	Diameter (inches)	Length Below (El + 1.00 (feet))	Storage Capacity (MG)
Lower Goodes Creek	72	10,905	2.61
Twin River Crossings	66	1,100	0.39
Hull Street	60	2,700	0.40
Shockoe	96	2,700	1.02
Gillies Creek	60	2,500	0.37
Northside CSO Conveyance (1)	96, 84, 60	2,850	0.89
			Total 5.68
(1) Northside CSO Conveyance stores CSS to an elevation of 16.0 feet			

3.2.4 Tide Gate Inspections

The City routinely inspects and makes necessary repairs to tide gates to reduce tidal intrusion into the collection system. The City follows a regular schedule for inspection and maintenance of tide gates. The schedule of performance of the City's O&M program is summarized in Table 3-5 below. Equipment inspection, and debris removal are part of the regular activities.

Table 3-5. Tide Gate O&M Program

Gates	Inspection Interval	Maintenance	
		Interval	Type
CSO 04 (Bloody Run) Tide Gate	Monthly	Monthly	Preventative Maintenance
CSO 05 (Peach Street) Tide Gate	Monthly	Monthly	Preventative Maintenance
CSO 06 (Shockoe) Tide Gates (6)	Monthly	Monthly	Preventative Maintenance
CSO 14 (Stockton Street) Tide Gate	Monthly	Monthly	Preventative Maintenance
CSO 15 (Canoe Run) Tide Gate	Monthly	Monthly	Preventative/Corrective Maintenance
CSO 16 (Woodland Heights) Tide Gate	Monthly	Monthly	Preventative/Corrective Maintenance
CSO 17 (Reedy Creek) Tide Gate	Monthly	Monthly	Preventative/Corrective Maintenance
CSO 18 (42 nd Street) Tide Gate	Monthly	Monthly	Preventative/Corrective Maintenance
CSO 19 (Hampton) Flap Gate (2)	Monthly	Monthly	Preventative/Corrective Maintenance
CSO 20 (McCloy) Flap Gate (3)	Monthly	Monthly	Preventative/Corrective Maintenance
CSO 21 (Gordon Avenue) Tide Gate	Monthly	Monthly	Preventative Maintenance

3.2.5 Use of Public and Private Stormwater Facilities in the CSS Area

Local retention facilities provide additional stormwater storage in the CSS area. Examples of these types of facilities are shown in Table 3-6 below.

Table 3-6. Local Stormwater Retention Facilities in the CSS Area

Site	Location	Owner
Brander St. Pump Station Holding Pond	Brander St.	City
Gordon Ave. Pump Station Holding Pond	Gordon Ave.	City
DPU Operations Parking Lot	Commerce Rd.	City
Sonoco Products Company	Commerce Rd.	Private (1)
BP Products North America	Commerce Rd.	Private (1)
Citgo Petroleum Corporation	Maury St.	Private (1)
First Energy Corporation	Maury St.	Private (1)
Magellan Terminals Holdings, L.P. Richmond Terminal	East First St.	Private (1)
Transmontaigne Terminaling	Commerce Rd.	Private (1)
(1) Industry that retains stormwater on-site during wet weather events and control releases to permit limits at the WWTP		

3.2.6 Use of Real Time Decision Support System to manage flows during CSO Events

DPU utilizes 102 depth sensors, 62 flow meters, and 14 rain gauges (shown below in Figure 3-2) to monitor the collection system.

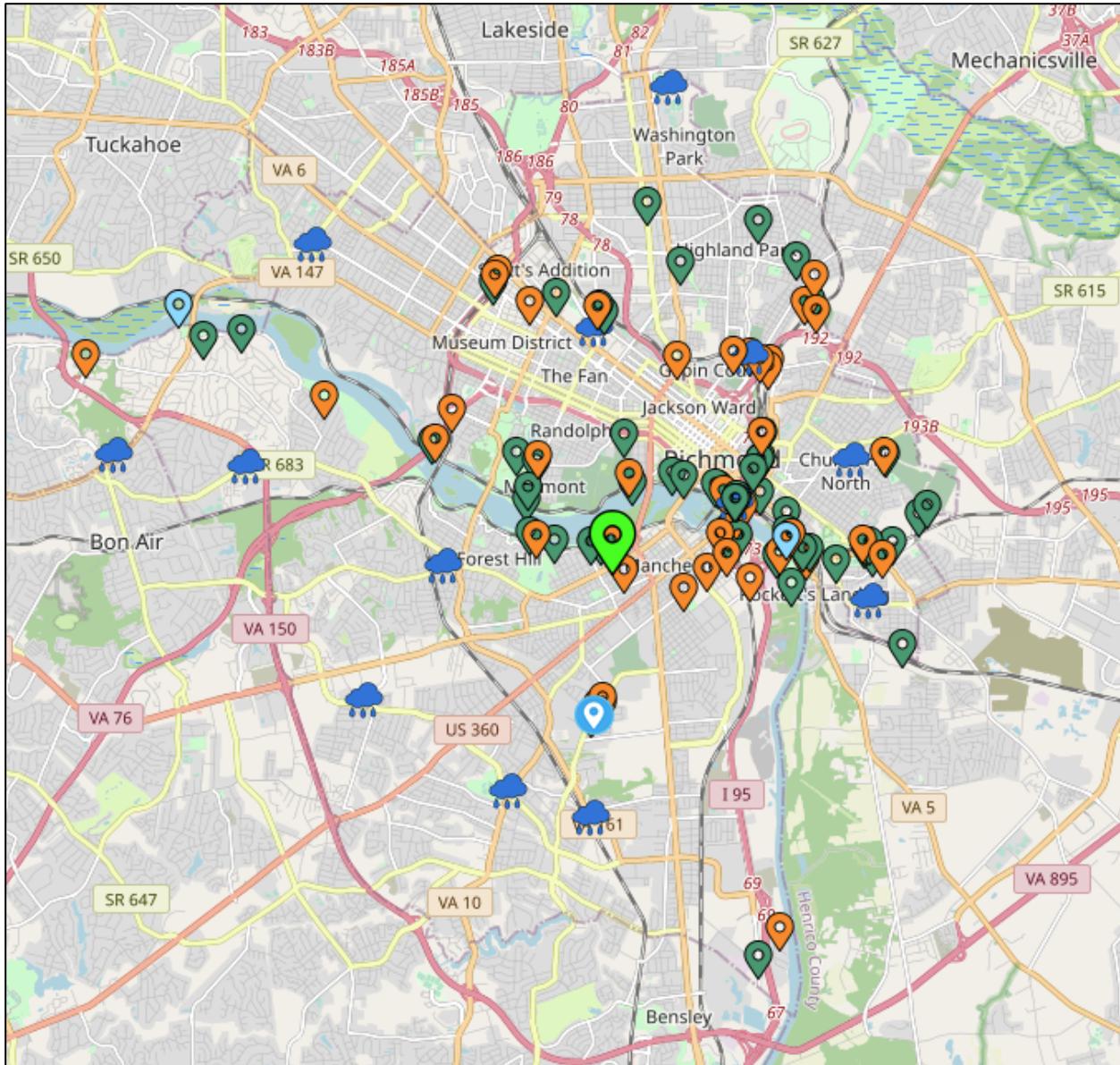


Figure 3-2: Collection System Monitoring System

The data can be displayed in real time, as shown below in Figure 3-3.

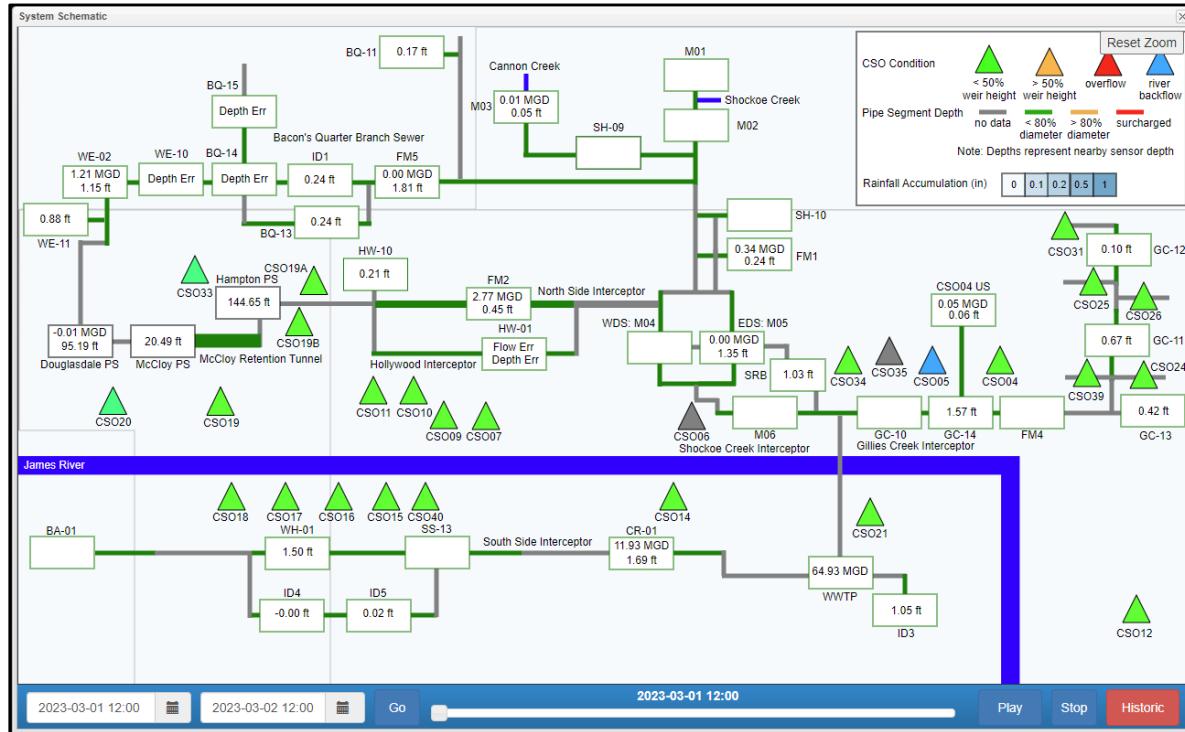


Figure 3-3: Real Time Collection System Data Display

The collected data is also utilized in the *Richmond CSO Map Notification*, which is available to the public, that displays outfalls that are currently overflowing or have overflowed in the past 48 hours.

<https://apps.emnet.net/richmond-pub-map-app/?city=47&config=5c0cacee-7e95-4eea-922d-c736c83eb4b9>

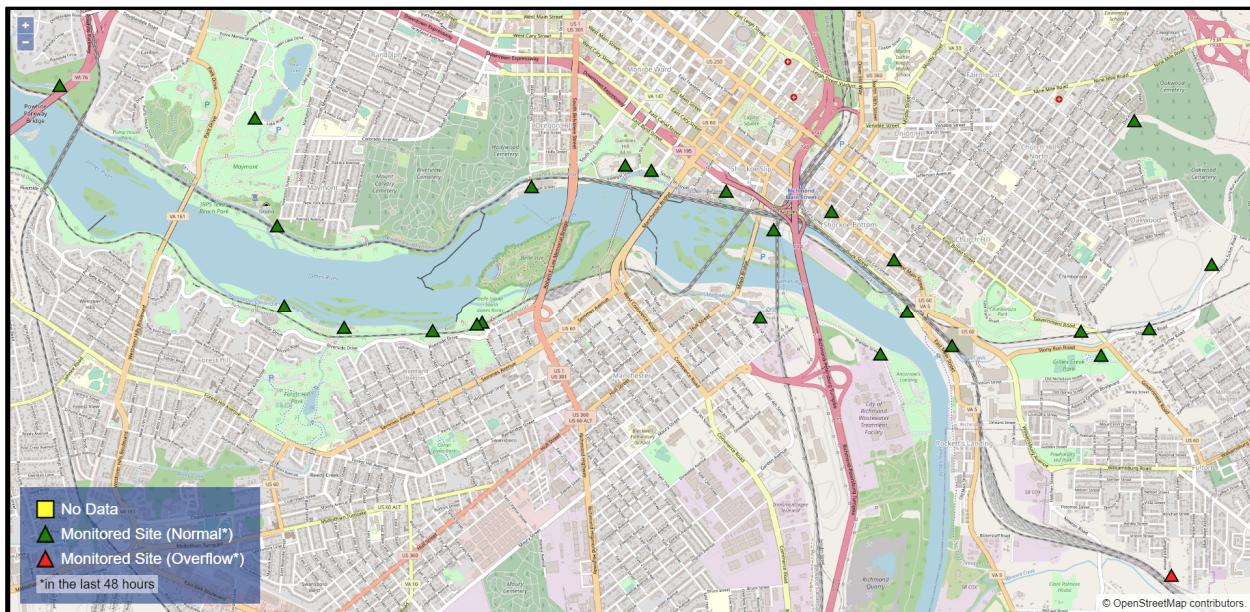


Figure 3-4: Richmond CSO Notification Map

3.3 Review of Pretreatment Program (NMC 3)

3.3.1 Changes or Use of Pretreatment Program Authority to minimize flows during CSO Events

The City administers an industrial pretreatment program as required by the VPDES permit. Industries discharging to the CSS retain stormwater on-site during wet weather events and control releases to permit limits at the WWTP. Information on individual industries which utilize retention facilities is summarized in Section 3.2.5 – Use of Public and Private Stormwater Facilities in the CSS Area. Each industry is issued an Industrial User Permit which includes a section on Discharge of Stormwater. The below statement was added to the Industrial User Permits:

E. Storm water runoff collected within the containment dike structure shall be released to the City's Treatment System in accordance with the following criteria:

1. There shall be no discharge of floating solids, visible foam or oily sheen in other than trace amounts; and
2. During storm events where the accumulation of rainfall is in excess of 2.2 inches; the permittee will use the installed precipitation gauge system to determine the volume of rainfall at the terminal; which would then trigger the terminal to call the City of Richmond's Department of Public Utilities Publicly Owned Treatment Works (POTW) at (804) 646-8721 to inform them of the level of rainwater retained in the diked area. It is at this time that the POTW will advise whether the plant is able to handle your facility's effluent. Nevertheless, neither your facility's nor the POTW's welfare will be jeopardized.
3. The Terminal Manager shall contact the City's Environmental Compliance Officer on 804.646.8661 and notify him/her of the intent to discharge, at least 24 hours prior to initiating any discharge other than in 2 above.

During this reporting period, there have been no additional changes to the program to minimize flow during a CSO event.

3.4 Maximize Flow to the WWTP for Treatment (NMC 4)

3.4.1 Operation of WWTP during Precipitation events to show Maximization of Treatment of Wet Weather Flows

The City maximizes flow to the WWTP during wet weather events by performing the following actions:

- Influent flow at the WWTP is increased to 140 MGD in wet weather conditions based on the newly developed SOP (see Figure 3-5).
- Flows up to 140 MGD are treated at the WWTP to permit limits.
 - 75 MGD receives full treatment and disinfection (Primary, Secondary, Tertiary and UV Disinfection)
 - 65 MGD receives primary treatment and UV disinfection (Primary and UV Disinfection)
- Combined sewage is stored in the Shockoe Retention Basin (see Figure 3-5), Hampton/McCloy Tunnel (see Figure 3-6) and the collection system prior to overflow.
- The Shockoe Retention Basin and Hampton/McCloy tunnel are drained as soon as possible once overflow conditions are concluded. During the draining process the WWTP continues to operate at 75 MGD.

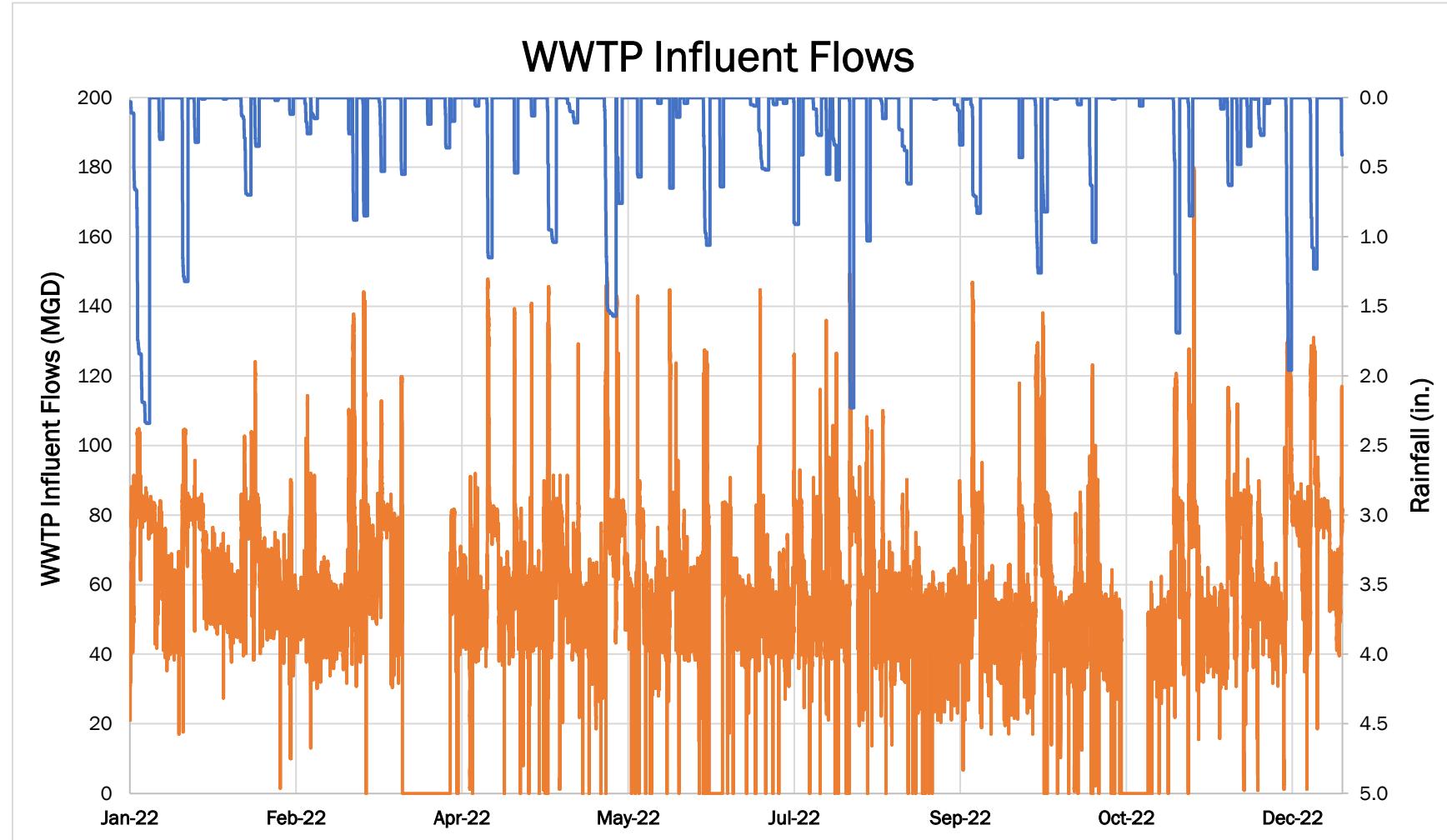


Figure 3-5: WWTP Influent Flows

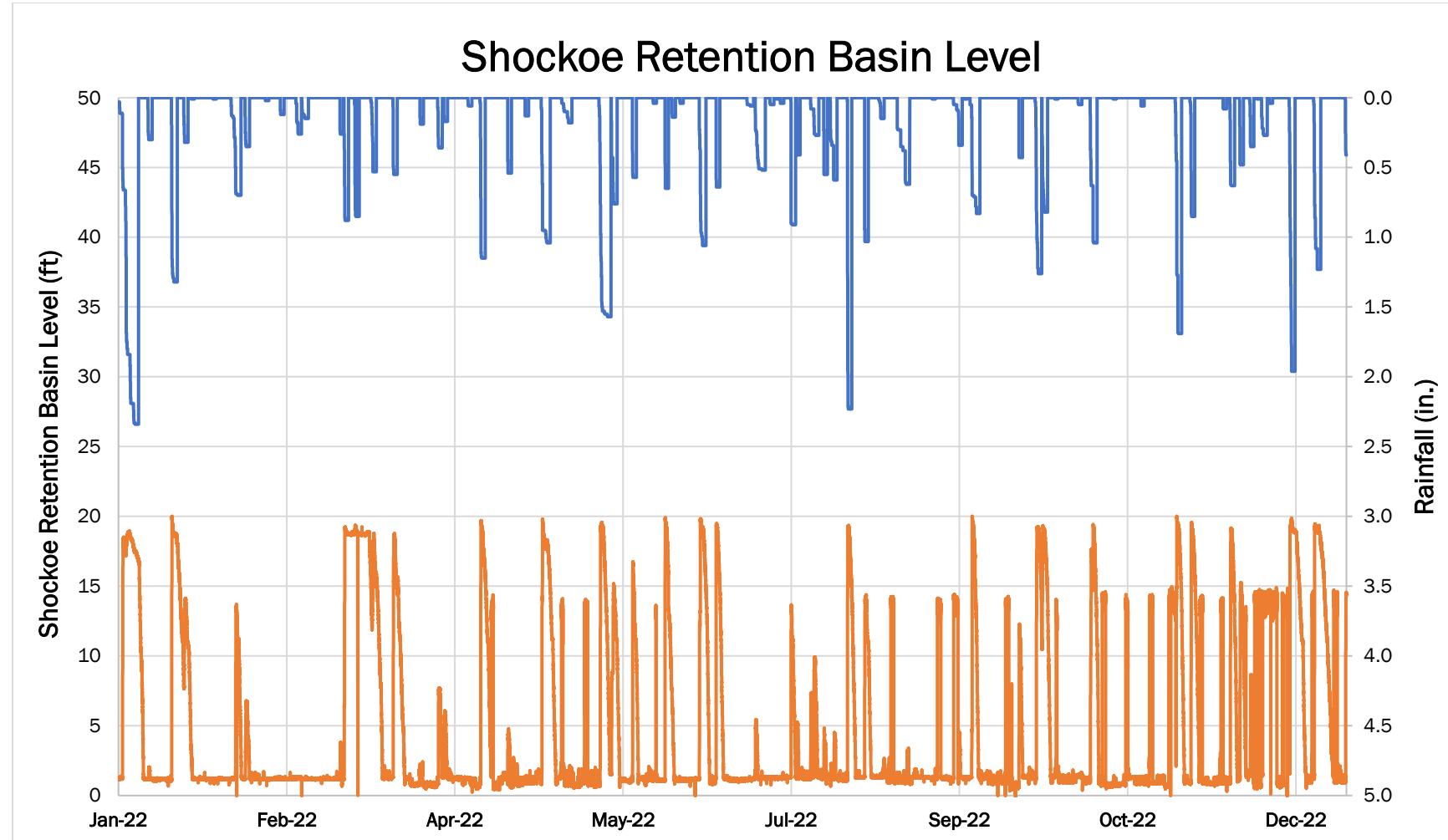


Figure 3-6: Shockoe Retention Basin Levels

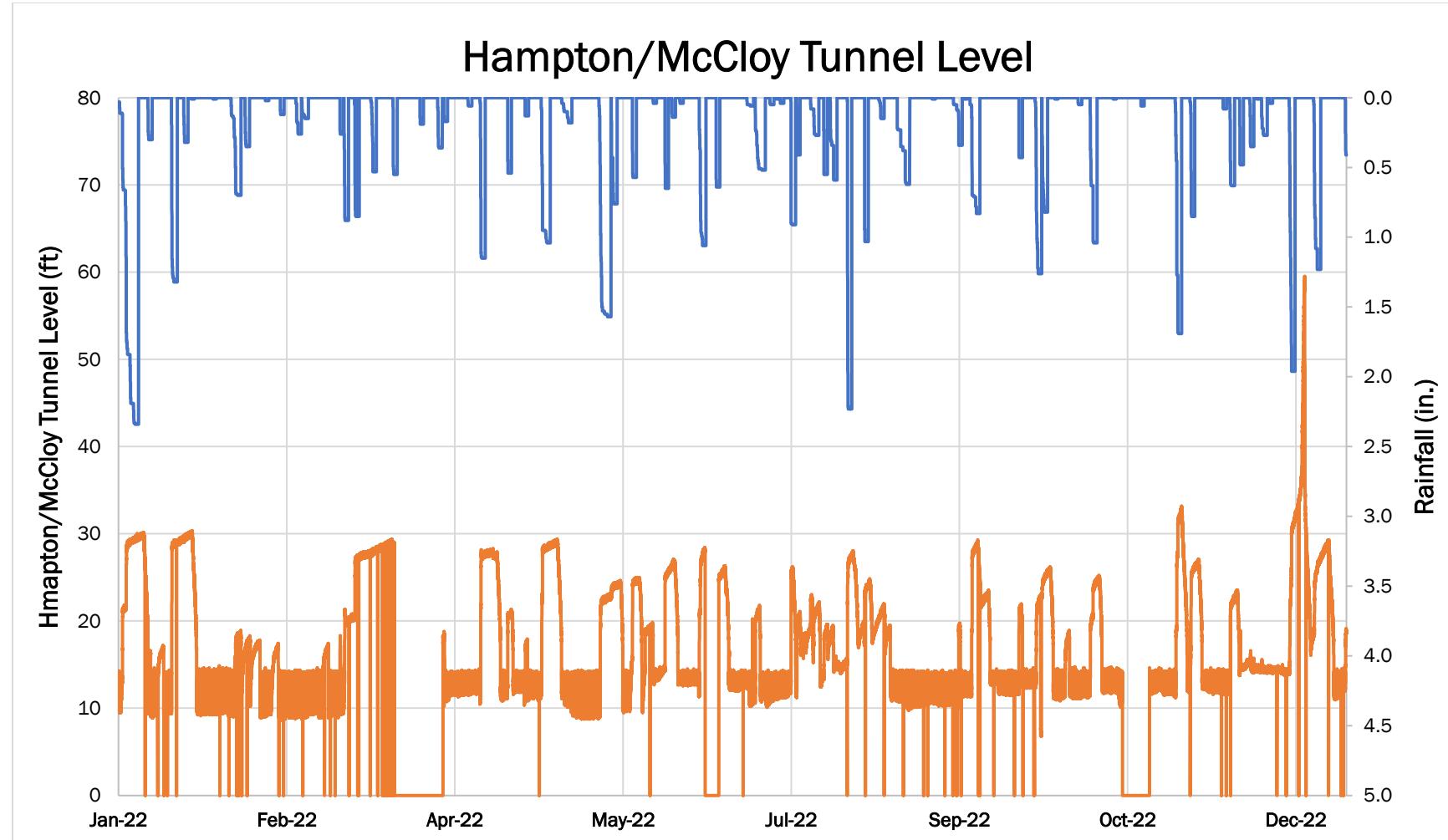


Figure 3-7: Hampton/McCloy Tunnel Levels

3.5 Eliminate Dry Weather Overflows (DWOs) (NMC 5)

3.5.1 Inspection and Maintenance of Diversion Facilities

The City regularly inspects and maintains CSS diversion facilities to prevent dry weather overflows, see Section 3.1.1. If a dry weather discharges occurs, the City maintains an “on call” team of maintenance personnel to respond to blockages or other occurrences that could result in dry weather discharges.

3.5.2 Monitoring of Pumping Stations for DWOs

The City inspects and maintains the pump stations on a daily basis to prevent dry weather overflows, see Section 3.1.1. If a dry weather discharges occurs, the City maintains an “on call” team of maintenance personnel to respond to blockages or other occurrences that could result in dry weather discharges.

3.5.3 Operation of the Shockoe Retention Basin

The Shockoe retention basin is continuously staffed. The basin is utilized to store combined sewage during wet weather conditions and is drained as soon as possible after overflow conditions have concluded. The 2022 operating levels of the Shockoe Retention Basin are shown in Section 3.4.1.

3.5.4 Reports of DWOs

All dry weather overflows are reported in accordance with the VPDES permit. Table 3-7 below summarizes each dry weather overflow event that occurred during the reporting period.

Table 3-7. Dry Weather Overflow Reports			
Date of Incident	Location of Incident	Volume Discharged (gallons)	Event Description
5/27/2022	1702 Pump House Drive	43,200	An existing 30" main was found to be leaking adjacent to pump house.
10/27/2022	Ford Ave and Raven St.	1,000	12" Line blocked by leaves & sticks

3.6 Control Solid and Floatable Materials in the CSS (NMC 6)

3.6.1 Cleaning and Maintenance related to Control of Solid and Floatable Materials

The City implements many programs and strategies to capture and remove solid and floatable material from CSS areas. Table 3-8 below summarizes the city-wide programs conducted during the reporting period.

Table 3-8. Solid and Floatable Material Capture Programs	
Program	Quantity
Loose-Leaf Collection	8,820 tons removed
Litter Basket Collection	287 tons removed

Catch Basin Cleaning	2,896 basins cleaned
Street Sweeping	3,139 tons removed

Additional strategies the City implements to control solid and floatable material in CSS areas include:

- The Shockoe retention facilities provide continuous mechanical screening for over two-thirds of the CSS. Screening operations at the facilities are increased during leaf season.
 - The Shockoe Diversion Structure Trash Rake Replacement project (construction starting in Summer 2023) will replace the screening system at the Shockoe West Diversion Structure to increase the volume of the screenings removed from the facility.
- The Hampton/McCloy tunnel provides continuous mechanical screening. All flow captured in the tunnel is screened prior to transfer to the WWTP, which consist of 1,012 acres of the CSS. The tunnel is equipped with solid and floatable capture chambers.
- The Northside, Southside James River Park, Gillies Creek, and Hilton Street CSO conveyance facilities have flotation or stilling chambers and/or static screens along with baffles to capture solid and floatable material. The material captured is transferred to the intercepting sewers for removal at the WWTP.

3.7 Public Education and Outreach (MCM 1, NMC 7 and NMC 8)

3.7.1 List of High-Priority Stormwater Issues and Strategies

The City identified three high-priority stormwater issues to be addressed in their public education and outreach program.

3.7.1.1 High Priority Issue #1: Pet Waste

- Rationale for Selection: Minimize the degree of pet waste runoff to reduce the bacteria loads entering local waterways
- Identification of Public Audience: Pet Owners
- Strategies
 - Traditional written materials: Fact Sheets; flyers; handouts
 - Alternative materials: Pet waste stations; pet waste baggies and holders
 - Signage: Yard Signs
 - Media materials: Radio ads; social media posts
 - Speaking engagements: Presentations to varied community groups

The specific events/media utilized to address public education on Pet Waste are summarized below in Table 3-9.

Table 3-9. Strategies to Communicate High Priority Issue #1 – Pet Waste		
Date	Event/Media	Audience Reached
2/23/22	Healthy Home, Healthy James: River Hero Homes Webinar with James River Association	Virtual

1/27/22 - 10/26/22	Distributed Pet Waste Bags at Parks	30,400
3/4/22 - 8/8/22	Distributed Pet Waste Bags to Private Citizens	1,811
3/4/22	Pet Waste Information Keychains to Private Citizens	3,304
3/4/22	Pet Waste Handouts to Private Citizens	17
03/10/22 - 08/31/22	Distributed 40 Pet Waste Yard Signs to Private Citizens and Parks	
11/12/22	The Hill Association of RVA Community Newsletter	

3.7.1.2 High Priority Issue #2: General Stormwater Awareness

- Rationale for Selection: Educate residents on stormwater and its impact on the environment to improve the quality and minimize the quantity of urban runoff from residential areas
- Identification of Public Audience: Richmond citizens and school-age students
- Strategies
 - Traditional written materials: Newsletters
 - Signage: Signage posted at Richmond Public Library branches

The specific events/media utilized to address public education on General Stormwater Awareness are summarized below in Table 3-10.

Table 3-10. Strategies to Communicate High Priority Issue #2 – General Stormwater Awareness		
Date	Event/Media	Audience Reached
1/20/22	VA AWWA Webinar	Virtual
2/23/22	Healthy Home, Healthy James: River Hero Homes Webinar with James River Association	Virtual
3/4/22 - 4/13/22	Distributed DPU Packable Tote Bags	23
3/4/22 - 8/1/22	Distributed Water Bottles	500
3/9/22	East End Green Infrastructure Collaborative Meeting	Virtual
3/23/22	NACWA Telleivate Your Story Lunch & Learn Webinar	Virtual
4/13/22 - 5/23/22	Distributed Backpacks	50
4/13/22 - 5/5/22	Distributed Ceramic Mugs	21
4/21/22	Virginia Water Environment Association's Annual Stormwater Seminar: Stormwater's Role in Environmental Justice "Looking at Combined Sewer Systems Through the Lens of Environmental Justice – How Do We Fix This?"	Virtual
4/23/22 - 5/23/22	Distributed Flashlight Pens	71
4/23/22 - 10/4/22	Distributed Brown Paper Bags	107
4/23/22 - 10/4/22	Distributed Stickers	878
5/23/22 - 10/4/22	Distributed Cleaner Water Faster Notebooks	136
6/21/22	Distributed Rain Barrels	31
8/1/22	Distributed RVAH2O Pouches	61
6/23/22	5 th District Council Meeting	
10/28/22	Life-Ready Expo	

Table 3-10. Strategies to Communicate High Priority Issue #2 – General Stormwater Awareness		
Date	Event/Media	Audience Reached
2022	Social Media: Twitter	526,569
2022	Social Media: Facebook	1,008
2022	Social Media: Instagram	1,841
2022	RVAH2O Website Views	8,523

3.7.1.3 High Priority Issue #3: Litter Awareness

- Rationale for Selection: Minimize the degree of litter entering the storm sewer system and local waterways to achieve higher water quality
- Identification of Public Audience: Pedestrians
- Strategies
 - Alternative materials: Stickers
 - Media materials: Radio ads; social media posts
 - Speaking engagements: Presentations to varied community groups

The specific events/media utilized to address public education on Litter Awareness are summarized below in Table 3-11.

Table 3-11. Strategies to Communicate High Priority Issue #3 – Litter Awareness		
Date	Event/Media	Audience Reached
2/23/22	Healthy Home, Healthy James: River Hero Homes Webinar with James River Association	Virtual
3/23/22	NACWA Tellecate Your Story Lunch & Learn Webinar	Virtual
4/23/22	Ancarrow's Landing Clean-Up with the Virginia Water Environment Association	22
4/24/22	Keep Virginia Cozy's Earth Day Clean-Up	125
5/10/22	Second Baptist Church Meeting	30

3.7.2 Proper Disposal of Substances - Public Education Programs and Facility Tours

The educational programs and tours conducted and/or hosted by the City during the reporting period to educated on the proper disposal of substances are summarized in Table 3-12 below.

Table 3-12. Public Education Programs and Facility Tours		
Date	Program/Tour	Audience Reached
2/23/22	Healthy Home, Healthy James: River Hero Homes Webinar with James River Association	Virtual
4/23/22	Ancarrow's Landing Clean-Up with the Virginia Water Environment Association	22
4/24/22	Keep Virginia Cozy's Earth Day Clean-Up	125
5/5/22	Combined Sewer System Public Stakeholder Group Meeting	



Table 3-12. Public Education Programs and Facility Tours		
Date	Program/Tour	Audience Reached
6/23/22	5 th District Council Meeting	
7/28/22	Combined Sewer System Public Stakeholder Group Meeting	
9/8/22	Combined Sewer System Stakeholder Group Tour of the Wastewater Treatment Plant and Shockoe Retention Basin	
9/28/22	VWEA Wastewater Treatment Plant Tour	
10/26/22	Wastewater Treatment Plant Tour with Reynolds Environmental Studies Class	

3.7.3 Pretreatment Awareness Programs

The pretreatment awareness programs that were implemented to encourage industrial waste reduction through recycling and improved housekeeping are summarized in Table 3-13 below.

Table 3-13. Awareness Programs to Encourage Waste Reduction		
Date	Event/Program	Audience Reached
1/8/22	Household Hazardous Waste Take-Back Event	
5/21/22	Household Hazardous Waste Take-Back Event	
8/29/22	Household Hazardous Waste Take-Back Event	

3.8 Public Involvement and Participation (MCM 2 and NMC 8)

3.8.1 Public Input on MS4 Program

Stormwater complaints received by the City, and complaints that were addressed and closed out through the duration of the reporting period are summarized in Table 3-14 below.

Table 3-14. Stormwater Complaints Summary (Cityworks)	
No. of New Complaints Received	1,598
No. of Complaints Closed	2,166

3.8.2 Published Information on a City-Controlled website pertaining to the CSO Control and MS4 Program

Published information on the CSO control and MS4 programs is located at the following City-controlled websites:

<https://www.rva.gov/index.php/public-utilities/wastewater-utility>

<https://www.rva.gov/index.php/public-utilities/pretreatment>

<https://www.rva.gov/public-utilities/stormwater-management>

<https://www.rva.gov/public-utilities/stormwater-utility>



<https://www.rva.gov/public-utilities>

3.8.3 Public Involvement Activities

The public involvement activities conducted and/or hosted by the City during the reporting period are summarized in Table 3-15 below.

Table 3-15. Public Involvement Activities		
Date	Event	Attendees
1/8/22	Household Hazardous Waste Take-Back Event	
2/23/22	Healthy Home, Healthy James: River Hero Homes Webinar with James River Association	26
3/23/22	NACWA Tellecate Your Story Lunch & Learn Webinar	125
4/21/22	VWEA's Annual Stormwater Seminar	
4/23/22	Ancarrow's Landing Clean-Up with the Virginia Water Environment Association	22
4/24/22	Keep Virginia Cozy's Earth Day Clean-Up	125
5/21/22	Household Hazardous Waste Take-Back Event	
8/29/22	Household Hazardous Waste Take-Back Event	
9/8/22	Combined Sewer System Stakeholder Group Tour of the Wastewater Treatment Plant and Shockoe Retention Basin	
9/28/22	VWEA Wastewater Treatment Plant Tour	
10/26/22	Wastewater Treatment Plant Tour with Reynolds Environmental Studies Class	

3.8.4 Public Involvement Metric Evaluation

The metrics used to evaluate the effectiveness of the implemented public involvement activities are summarized in Table 3-16 below.

Table 3-16. Public Involvement Activities			
Public Involvement Opportunity Outlined in Program Plan	Metric as Defined in Program Plan	Metric Measurements	Evaluation
Monitoring – Volunteer Monitoring	The number of participants per training event	No volunteer samples were conducted during the 2022 reporting year.	Volunteer sampling was suspended comply with COVID-19 protocols.
Restoration – Watershed Cleanup	The number of participants per event	4/23/22 Ancarrow's Landing Clean-Up with the VWEA – 22 volunteers 4/24/22 "Keep Virginia Cozy Earth Day Clean Up" - 125 volunteers	In 2022, the Department of Public Utilities partnered with the VWEA to clean up Ancarrow's Landing. The cleanup effort had the participation of 22 volunteers. 900 pounds of trash was collected.

Table 3-16. Public Involvement Activities			
Public Involvement Opportunity Outlined in Program Plan	Metric as Defined in Program Plan	Metric Measurements	Evaluation
Disposal or Collection Event – Household Hazardous Waste Collection Events	The number of barrels of hazardous waste collected per event	1/8/22 5/21/22 8/29/22	22 barrels of hazardous household material was collected over the three events. Keeping hazardous material from being improperly disposed of and out of the environment, our stormwater, our combined stormwater and sewer infrastructure, and out of waterways is beneficial to improving and protecting water quality.

3.8.5 Public Meetings Organized/Attended

During the reporting period, the City organized and participated in meetings with the community, regulatory agencies, stakeholders, and other MS4 permittees. These meetings are summarized in Table 3-17 below.

Table 3-17. Public Involvement Meetings	
Date	Meeting
1/20/22	VA AWWA Webinar
2/23/22	Healthy Home, Healthy James: River Hero Homes Webinar with James River Association
3/9/22	East End Green Infrastructure Collaborative Meeting
3/23/22	NACWA Teliivate Your Story Lunch & Learn Webinar
4/21/22	Virginia Water Environment Association's Annual Stormwater Seminar: Stormwater's Role in Environmental Justice "Looking at Combined Sewer Systems Through the Lens of Environmental Justice - How Do We Fix This?"
5/5/22	Combined Sewer System Public Stakeholder Group Meeting
6/23/22	5 th District Council Meeting
7/28/22	Combined Sewer System Public Stakeholder Group Meeting

3.8.6 CSO Warning Signs

Eighteen (18) of the twenty-five (25) CSO outfalls were predicted to discharge, more than once per summer on average. Each of these outfalls are required to have a CSO warning sign per the VPDES permit. These signs have been installed and have been maintained by DPU throughout the reporting year.

3.8.7 Local Press Coverage of CSO Program

Local press coverage of the CSS is ongoing. The articles/sessions released during the reporting period are summarized in Table 3-18 below.

Table 3-18. Local Press Coverage

Date	Source	Link
01.18.2022	ABC8	https://www.wric.com/news/politics/capitol-connection/when-will-richmond-stop-dumping-raw-sewage-into-the-james-river/?ipid=promo-link-block2
01.18.2022	Richmond Times-Dispatch	https://richmond.com/news/state-and-regional/govt-and-politics/senate-panel-votes-to-speed-deadline-for-richmond-to-fix-1-3-billion-sewer-problem/article_5b347821-16c0-5ae0-8b5a-c34f5e719ceb.html
01.28.2022	ABC8	https://www.wric.com/news/local-news/richmond-short-1-billion-in-fight-against-flooding/
02.03.2022	Richmond Free Press	https://richmondfreepress.com/news/2022/feb/03/without-federal-state-dollars-city-residents-may-p/
02.08.2022	Richmond Times-Dispatch	https://richmond.com/news/state-and-regional/govt-and-politics/senate-panel-speeds-deadline-on-richmond-sewer-project-but-with-off-ramp-based-on-funding/article_854ee14f-023c-5ea0-8695-ac9886db8957.html
02.14.2022	Virginia Mercury	https://www.virginiamercury.com/2022/02/14/senator-pushes-to-speed-up-richmond-combined-sewer-fix/
02.15.2022	The Legacy Newspaper	https://www.legacynewspaper.com/senator-pushes-to-speed-up-richmond-combined-sewer-fix/
03.02.2022	Virginia Mercury	https://www.virginiamercury.com/2022/03/02/push-to-accelerate-richmond-combined-sewer-fix-halted-in-house/
03.03.2022	Richmond Times-Dispatch	https://richmond.com/news/state-and-regional/govt-and-politics/as-budget-talks-begin-attempt-to-speed-richmond-deadline-on-sewer-project-flushed/article_ec2846bc-3171-5e71-a31c-41d8a64c3e07.html
03.03.2022	RVAHUB	https://rvahub.com/2022/03/03/push-to-accelerate-richmond-combined-sewer-fix-halted-in-house/
03.14.2022	E&E News	https://www.eenews.net/articles/how-andrew-wheelers-va-nomination-came-undone/
03.18.2022	ALXnow	https://www.alxnow.com/2022/03/18/senator-kaine-and-congressman-beyer-tour-riverrenew-tunnel-project-in-alexandria/
04.05.2022	NBC12	https://www.nbc12.com/2022/04/05/richmonds-push-deal-with-costly-storm-water-runoff-issues/
04.23.2022	The Republican Standard	https://therepublicanstandard.com/featured/youngkin-breaks-new-ground-planting-earth-day-trees/ericburk/2022/04/
05.18.2022	ABC8	https://www.wric.com/community/positively-richmond/tiny-kitten-saved-from-richmond-bridge-storm-drain/
06.10.2022	Axios	https://wwwaxios.com/local/richmond/2022/06/10/richmond-1-billion-sewer-overflow-problem
07.14.2022	VPM	https://vpm.org/news/articles/34016/local-libraries-lead-the-way-in-creating-green-infrastructure
08.08.2022	UVA Today	https://news.virginia.edu/content/swim-team-captains-summer-work-goes-down-drain
08.10.2022	Richmond Times-Dispatch	https://richmond.com/entertainment/richmond-hops-on-the-little-miss-trend/article_c2c51df3-2b82-5183-8052-2c42afa963b0.html
08.12.2022	ABC8	https://www.wric.com/news/local-news/richmond/how-richmond-tracks-sewage-and-bacteria-levels-in-the-james-river/
09.15.2022	Southern Maryland Chronicle	https://southernmarylandchronicle.com/2022/09/15/water-quality-throughout-the-chesapeake-bay-watershed-shows-mixed-results/
09.30.2022	VPM	https://www.vpm.org/news/2022-09-30/environmentalists-call-for-more-green-infrastructure-ahead-of-hurricane-ian

Table 3-18. Local Press Coverage

Date	Source	Link
10.03.2022	NBC12	https://www.nbc12.com/2022/10/03/richmond-city-council-takes-legislative-priorities-state-lawmakers-ahead-2023-general-assembly-session/
10.05.2022	Water Environment Federation	https://www.wef.org/resources/pressroom/press-releases2/wef-press-releases/thirteen-communities-recognized-for-excellence-in-stormwater-management/
10.15.2022	Richmond Times-Dispatch	https://richmond.com/news/state-and-regional/advocates-celebrate-50th-anniversary-of-clean-water-act-note-continued-improvements-needed-in-virginia/article_3185b3fd-0400-5146-9c1a-1d0304fc0eb5.html
10.17.2022	The News and Advance	https://newsadvance.com/news/state-and-regional/advocates-celebrate-50th-anniversary-of-clean-water-act-note-continued-improvements-needed-in-virginia/article_33bec150-69ff-5097-8154-7c8ee52412db.html
12.01.2022	CBS6	https://www.wtvr.com/news/local-news/congressman-donald-mceachin-obit-environmental-justice-champion
12.14.2022	The Straight Flush Podcast	https://www.buzzsprout.com/1817695/11853158-ep-21-virginia-s-cso-communities-series-history-of-regulations-in-virginia
12.15.2022	AP News	https://apnews.com/article/politics-business-richmond-virginia-state-government-bb247895307f23bfb5eaa00dd15fa267
12.19.2022	Shore Daily News	https://shoredailynews.com/headlines/youngkin-proposes-more-individual-and-corporate-tax-cuts/
12.28.2022	Richmond Times-Dispatch	https://richmond.com/news/local/richmond-on-track-with-combined-sewer-overflow-cleanup/article_907b7f78-714c-5a5e-ba20-218b7f2c46bc.html

3.8.8 Awards

The City received the following awards in 2022 for their work to improve water quality and their communication efforts:

- “2022 National Municipal Stormwater and Green Infrastructure Phase II MS4 Award from the Water Environment Federation, Innovation, RVAH2O’s Stormwater Utility”

3.9 Illicit Discharge Detection and Elimination (MCM 3)

3.9.1 MS4 Map and Information Confirmation Statement

The MS4 map and information table are up to date as of December 31st of the reporting period, and is presented in Appendix B.

3.9.2 Outfall Screening Summary

The total number of outfalls screened during the reporting period as part of the dry weather screening program is summarized in Table 3-19 below. The 2022 reporting period outfall inventory records are provided in Appendix C.

Table 3-19. Outfall Screening Summary

Creek	No. of Outfalls	IDDE Potential
Dancing Creek	24	24 Unlikely
Rock Falls Creek	40	39 Unlikely 1 Potential



Table 3-19. Outfall Screening Summary		
Creek	No. of Outfalls	IDDE Potential
Broad Rock Creek	17	17 Unlikely
Along Creek	45	45 Unlikely

3.9.3 MS4 Illicit Discharges

The City investigated 29 illicit discharges during the reporting period. A summary of the illicit discharges to the MS4 is included in Appendix D.

3.10 Construction Site Stormwater Runoff Control (MCM 4)

3.10.1 Summary of Inspections

The inspections conducted at construction sites during the reporting period are summarized in Table 3-20 below.

Table 3-20. Summary of Construction Site Stormwater Inspections		
Total Conducted	Enforcement Actions	
	Type	Total
2,119	Notice to Comply	72
	Stop Work Order	5
	Notice of Violation	0

3.11 Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands (MCM 5)

3.11.1 Summary of Inspections of Stormwater Management Facilities

The inspections conducted on privately owned and permittee owned stormwater facilities during the reporting period are summarized in Table 3-21 below.

Table 3-21. Summary of Stormwater Management Facility Inspections		
Stormwater Management Facility	Total Inspections Conducted	Enforcement Actions
Privately-Owned	51	No enforcement actions taken
Public/Permittee-Owned	118	No enforcement actions taken

3.11.2 Summary of Maintenance Activities

The City did not perform any significant maintenance activities on stormwater management facilities throughout the 2022 reporting year. The City performs regular inspections and maintenance

activities on City owned and operated stormwater management facilities that includes grass cutting, trash collection, and debris removal.

3.11.3 Submission Confirmation Statements

The Water Resources Division staff of DPU has submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database, and have reported BMPs through the DEQ Warehouse.

3.12 Pollution Prevention and Good Housekeeping for Facilities Owned and Operated by the Permittee within the MS4 Service Area (MCM 6 and NCM 7)

3.12.1 Summary of New or Modified Operational Procedures

In the 2022 reporting year the following operational procedures have been modified or implemented:

- Expansion of the Illicit Discharge Detection and Elimination Program with the standardization of forms, and increased numbers of inspections and follow-up inspections

3.12.2 Summary of New or Modified SWPPPs

No updates were made to the existing SWPPP's during the 2022 reporting year. Training is performed based on the operations outlined in the SWPPP's.

3.12.3 Summary of New Turf and Landscape Nutrient Management Plans

No new Turf and Landscape Plans have been implemented within the City.

3.12.4 Summary of Training Events

The City has conducted a training program for stormwater awareness for new city employees. The program provides education on spill prevention, vehicle maintenance, bulk material storage, road and parking lot maintenance and facility maintenance. A total of three training sessions were provided throughout the 2022 reporting period to three (3) new employees.

3.12.5 Operation and Maintenance of Septage Receiving Station

In the 2022 reporting year, the City received 1,900 hauled waste discharges for a total of 2.7 million gallons. The Septage Receiving Station is inspected daily and is maintained at regular intervals.

3.12.6 Enforcement of Ordinances that prohibit substances from entering the Collection System

In the 2022 reporting year, the City performed the following activities:

- Collected samples at 192 facilities through the Strong Waste Surcharge Program
 - Issued three (3) Notices of Violations to Significant Industrial Users
- Performed 35 inspections at Significant Industrial Users Facilities

Section 4

Chesapeake Bay TMDL Action Plan Status Report

4.1.1 Implemented BMPs

The BMPs that have been implemented by the City to achieve compliance with Chesapeake Bay TMDL Action Plan are summarized in Table 4-1. The City has not acquired any credits during the 2022 reporting year.

Table 4-1. Summary of Implemented BMPs				
BMPs	Completion Date	Pollutant Removal (lbs/year)		
		Total Nitrogen	Total Phosphorus	Total Suspended Solids
Maury Stream Restoration	2016	894.0	176.0	58,720.0
Green Alleys	2016	5.7	1.5	702.0
BMPs	2017	80.2	17.4	5,088.1
Cherokee Lake and Croatan Road	2018	872.4	198.2	16,679.8
Forest Hill	2018	1,354	298.8	25,154.9
Little Westham Creek	2019	3,180.0	1,224.0	422,000.0
Pocosham Creek	2019	4,696.0	1,061.0	354,013.0

4.1.2 Chesapeake Bay TMDL Action Plan Compliance Progress

The City's progress towards meeting the required pollutant load reductions are summarized in Table 4-2.

Table 4-2. City's Chesapeake Bay TMDL Action Plan Compliance Progress						
Goal	Pollutant (lbs/year)					
	Total Nitrogen	Total Phosphorus		Total Suspended Solids		
Removal to Date (End of 2022 Reporting Year)	11,082.2	2,976.8		882,357.8		
2018 Goal	633.7	1,749%	145.5	2,046%	64,646.4	1,365%
2023 Goal	4,852.7	228.4%	1,038.0	286.8%	456,385.5	193.3%
2028 Goal	12,085.0	91.7%	2,568.0	115.9%	1,134,901.2	77.7%

4.1.3 Future Planned BMPs

The BMPs that are scheduled to be constructed in the future are summarized in Table 4-3.

Table 4-3. Summary of Future Planned BMPs					
BMPs	Completion Date	Pollutant Removal (lbs/year)			
		Total Nitrogen	Total Phosphorus	Total Suspended Solids	
Pinecamp Stream Restoration	2023	8,091.0	3,778.0	4,620,047.0	

Section 5

Local TMDL Action Plan Status

The City has an approved James River Bacteria TMDL Action Plan dated 11/04/2010. The City has continued to implement the CSO program nine minimum control standards and the MS4 six minimum control standards to reduce the pollutants of concern.

In 2020, the Virginia General Assembly passed, and the Governor signed into law, the 2020 CSO Law, that requires the owner or operator of any CSS east of Charlottesville that discharges into the James River watershed to submit to DEQ an Interim and Final Plan to address the requirements of any consent special order issued by the Board.

The 2020 CSO Law identifies the following dates and tasks for the owner or operator:

	Purpose	Due Date	Initiate Construction and Related Activities	Complete Construction and Related Activities
Interim Plan	Identify improvements that can be initiated in the short-term	July 1, 2021	July 1, 2022	July 1, 2027
Final Plan	Re-evaluates the remaining Special Order projects and identifies system-wide improvements	July 1, 2024	July 1, 2025	July 1, 2035
TMDL Report	Identify improvements to meet the requirements of the “James River – Richmond Tributaries Bacteria TMDL”	July 1, 2030	NA	NA

The City completed the development of the Interim Plan in June 2021. The Interim Plan Projects are currently in various stages of design and procurement, as shown in Figure 5-1, and are estimated to reduce the annual combined sewage overflow volume by 182 MG.



Design
 Procurement
 Construction

Figure 5-1: Interim Plan Project Status

The development of the Final CSO Plan is still underway, and is on track to be complete by the July 1, 2024 deadline.

Section 6

James River and Tributary Monitoring Report

Virginia Commonwealth University (VCU) conducts water quality monitoring in the James River and its tributaries on behalf of the City. The data collected by VCU is provided in Appendix E.

Appendix A: Richmond CSS Map

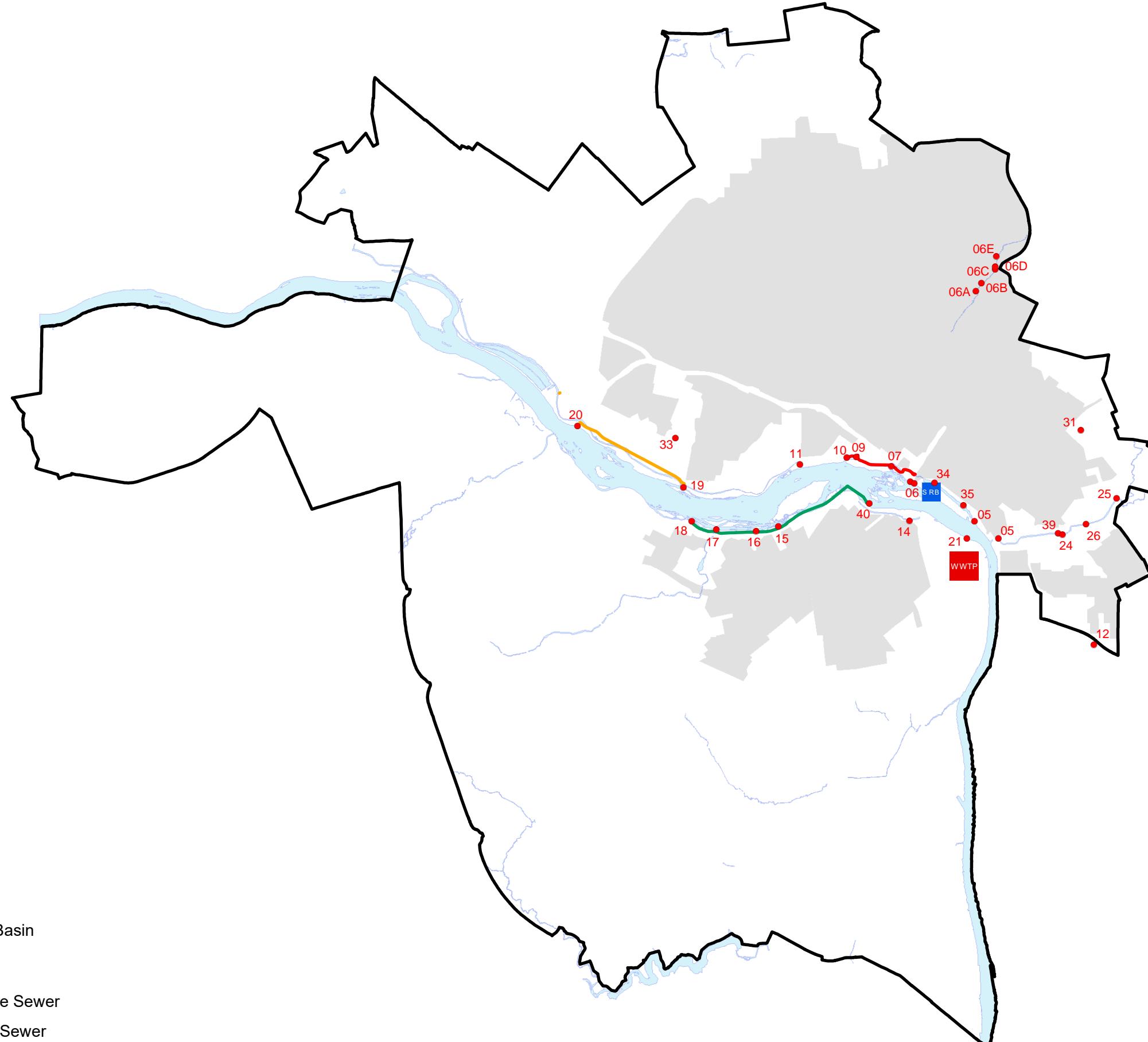
Appendix B: Richmond MS4 Map

Appendix C: Outfall Inventory Records

Appendix D: Illicit Discharge Records

Appendix E: James River and Tributary Monitoring Data

N
NE
E
SW
S
SW



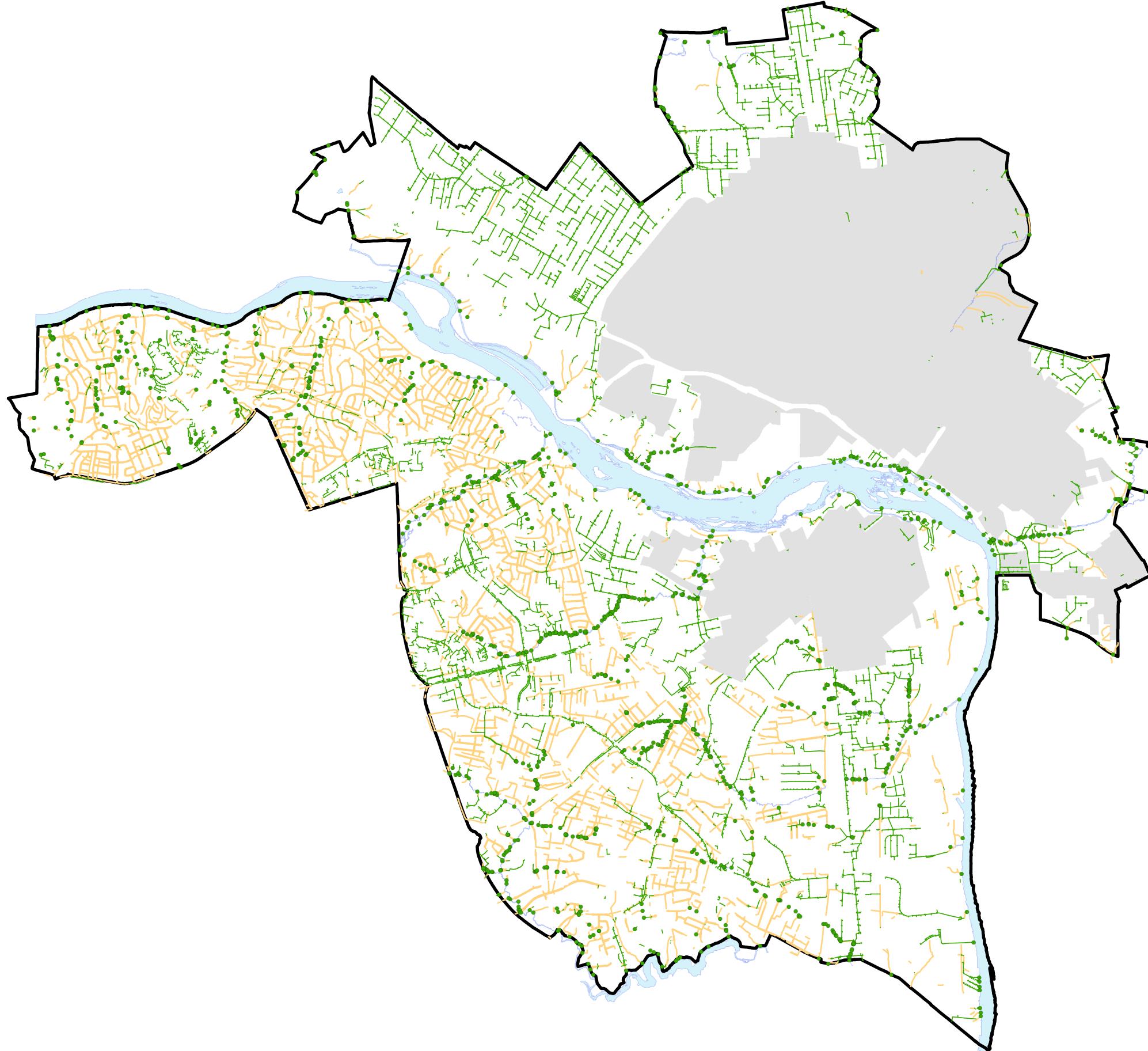
Legend

- CSO Outfalls
- SRB Shockoe Retention Basin
- WWTP Wastewater Treatment Plant
- CSO 1/2 Conveyance Sewer
- CSO 3 Conveyance Sewer
- Hampton/McCloy Tunnel
- CSS Drainage Area

Richmond CSS

0 3,000 6,000 12,000 18,000 24,000 Feet

N
↑
←



Legend

- Storm System Outfall
- Storm System Pipe
- Storm System Open Channel
- CSS Drainage Area

Richmond MS4

0 3,000 6,000 12,000 18,000 24,000 Feet

Outfall ID:	Date:	Creek:	Rain Event Past 48 hours?	Flow Present?	IDDE Potential	Sample Collected?	Additional Notes:
AL-001	3/4/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-001	3/4/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-001	3/4/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-001	3/5/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-001	3/5/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-001	3/10/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-001B	3/15/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-002	3/15/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-002B	3/16/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003	3/16/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003B	3/16/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003C	3/16/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003D	3/16/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003E	3/17/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003F	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-003G	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-004	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-004B	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-005	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-006	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-007	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-008	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-009	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-010	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-011	3/18/2021	Along Creek	No	No	Unlikely	No	Liter and Debris/ Appears to function
AL-012	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-013	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-013B	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-014	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-014B	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-015	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-016	3/18/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-017	3/24/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-018	3/24/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-019	3/24/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-020	3/24/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-021	3/24/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-022	3/31/2021	Along Creek	No	No	Unlikely	No	Some Erosion/ Appears to function
AL-7469	3/31/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-7469B	4/7/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-7644	4/7/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-7644B	4/7/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-MOUTH	4/27/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-MOUTH_B	4/27/2021	Along Creek	No	No	Unlikely	No	Appears to Function as Designed
AL-MOUTH_C	4/27/2021	Along Creek	No	No	Unlikely	No	Some Erosion/ Appears to function

Outfall ID:	Date:	Creek:	Rain Event Past 48 hours?	Flow Present?	IDDE Potential	Sample Collected?	Additional Notes:
BRC-020B	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-021	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-022	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Some Erosion/ Appears to function
BRC-023	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-023B	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-024	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-025	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Liter and Debris/ Appears to function
BRC-026	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-027	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-027B	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-028	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-028B	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Some Erosion/ Appears to function
BRC-028C	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Liter and Debris/ Appears to function
BRC-028D	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-028E	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-028F	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed
BRC-029	2/17/2021	Broad Rock Creek	No	No	Unlikely	No	Appears to Function as Designed

Outfall ID:	Date:	Creek:	Rain Event Past 48 hours?	Flow Present?	IDDE Potential	Sample Collected?	Additional Notes:
RFC-Mouth	2/9/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-001	2/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-002	2/10/2022	Rock Falls Creek	No	No	Unlikely	No	N/A
RFC-002A	2/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-002B	2/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-002C	2/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-002E	2/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-003	3/8/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-004	3/8/2022	Rock Falls Creek	No	No	Unlikely	No	N/A
RFC-005	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	N/A
RFC-006	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	N/A
RFC-007	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-008	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	N/A
RFC-009	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-010	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-011	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-012	3/10/2022	Rock Falls Creek	No	No	Unlikely	No	Appears to Function as Designed

Outfall ID:	Date:	Creek:	Rain Event Past 48 hours?	Flow Present?	IDDE Potential	Sample Collected?	Additional Notes:
RFC-013	3/10/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-014	3/10/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-015	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-016	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-017	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-018	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-019	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-020	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-021	3/14/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-022	3/17/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-023	3/17/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-024	3/17/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-025	3/17/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-026	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-027	4/7/2022	Rock Fall Creek	No	No	Potential	No	Appears to Function as Designed
RFC-028	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-029	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-030	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-031	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-032	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-033	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-034	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed
RFC-035	4/7/2022	Rock Fall Creek	No	No	Unlikely	No	Appears to Function as Designed

Outfall ID:	Date:	Creek:	Rain Event Past 48 hours?	Flow Present?	IDDE Potential	Sample Collected?	Additional Notes:
DNC-Mouth	4/7/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-001	4/7/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-002	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-003	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-004	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-005	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-006	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-007	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-008	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-009	4/21/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-010	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-011	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-012	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-013	4/26/2022	Dancing Creek	No	No	Unlikely	No	Some Erosion/ Appears to function
DNC-014	4/26/2022	Dancing Creek	No	No	Unlikely	No	Liter and Debris/ Appears to function
DNC-015	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-016	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-017	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-018	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-019	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-020	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-021	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-022	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed
DNC-023	4/26/2022	Dancing Creek	No	No	Unlikely	No	Appears to Function as Designed

Investigation Identifier	Incident Report Date	Incident Location	Incident Summary	Resolution Summary	Follow-Up Summary	Closure Date
Illicit Discharge	1/11/2022	1509 E. Main St	Property owner stated that raw sewage is coming into their building	Wesal Nawabi went to the property and met with the property owner to sample from sump Pump, but initial problem was not present	Went back to site 1/18/2022, and conditions still were not present, asked property owner call if problem happens again	2/2/2022
Illicit Discharge	1/18/2022	5300 Midlothian Turnpike	Site got complaint that they are crushing cars behing building and liquid from cars are being dumped in Reedy Creek	Pretreatment team went out there and the site confirmed that they stored their oil, and the creek had Iron Oxide bacteria, and no evidence of illegal dumping	Pretreatment team went Back with Mercer Cronemeyer of DEQ to ensure no Hazardous Material reached Reedy Creek	1/28/2022
Illicit Discharge	1/20/2022	4300 Commerce Rd	Called to check if cleanout installed would satify city codes	went to location and was satisfied with the cleanout		1/20/2022
Illicit Discharge	2/24/2022	2408 Lancelot Ave.	Neighbor is running a car shop at his house and looks like he has been dumping oil in the street	Pretreatment personnal went to address and did not find any issues on date of first inspection	On 3/3/2022 we went back to the address and didn't see any illicit discharges, but did send to other city depts for other possible violations	3/3/2022
Illicit Discharge	3/1/2022	Kanawah Canal	complaint call about a CSO	Pretreatment team went to site and found that the city was working on a damaged line near by		3/1/2022
Illicit Discharge	3/3/2022	Dock St.	DEQ informed us of a fish kill located at dock st. for a portential illicit discharge in to stream nearby	Pretreatment team went and looked, but found the city emptied the creek in order to assess the condition of sewer outfall 34 and this impacted the fish in the creek		3/4/2022
Illicit Discharge	3/3/2022	13N. 17th St.	Multiple FSE's share small alley that exists into walnut alley. When they dump their grease gets everywhere and pools and create horrible conditions	Pretreatment personnal talked to all FSE's that dump grease to rendering bin, and gave them time to clean location	Reinspected area to ensure the cleanup was completed on alley	5/31/2022

Investigation Identifier	Incident Report Date	Incident Location	Incident Summary	Resolution Summary	Follow-Up Summary	Closure Date
Illicit Discharge	3/15/2022	507 Southside Plaza	507 Southside plaza was dumping used cooking grease in back of their FSE. R. King found a pool of grease when he arrived on site.	Called property owner to have site cleaned. Gave a notice of violation to property owner	Pretreatment team went to the site on 3/21/2022 and found the site had been remediated	3/21/2022
Illicit Discharge	3/22/2022	1020 Hull St.	VHD informed us that during his inspection Croaker spot was washing greasy kitchen floor mat outside of the building	R. King went to site and gave a notice of violation and BMPs on effective ways to work with grease at FSEs		3/25/2022
Illicit Discharge	3/22/2022	4507 Wythe Ave.	Citizen complaint about a pipe that was coming from neighbor's yard	Pretreatment team went to site and property owner connected pipe to reduce puddles in the area close to his foundation catching rain water		3/22/2022
Illicit Discharge	4/12/2022	3445 Broad Rock	Complaint about auto shop at 3445 Broad rock throwing tires and oil filters over fence behind their building	went to site and could not gain access, got assistance from the fire dept and Chief Dyer. We had the location remove the tires and oil filters and gave N.O. V	Went back on 4/15/2022 to ensure the area was cleaned up	4/15/2022
Illicit Discharge	4/20/2022	North End of Maury Cemetery	Complaint came in about illicit discharge coming from a pipe at the north end of Maury Cemetery	R. King went and walked the creek and the sheen present was iron bacteria		4/20/2022
Illicit Discharge	4/26/2022	4727 Walmsley Blvd	Complaint on Mariscos El Barco (FSE) improperly disposing grease and waste out the back door of restaurant	Pretreatment team went to the site and could tell which FSE was responsible Lucky china or Mariscos El Barco so we gave them both 3 day to clean up the oil behind their FSEs	Went back on 4/29/2022 and was fine with the results	4/29/2022
Illicit Discharge	4/27/2022	4700 Deepwater Terminal Rd.	Complainant the company was taking left over paint barrels and dumping excess paint into the dumpster and allowing it to drain out the dumpster into the James river	Pretreatment went to the site and didn't see any evidence of wet paint draining on the ground. We took pictures and walked the site		4/27/2022

Investigation Identifier	Incident Report Date	Incident Location	Incident Summary	Resolution Summary	Follow-Up Summary	Closure Date
Illicit Discharge	5/18/2022	7500 Prairie Rd	It was reported that neighbor was dumping leave, soil, and branches that was blocking the headwaters of rockfall creek	R. King went to location, and saw that indeed someone had blocked rockfall creek with yard debris	Water crew chief N. Sumpter and W. Mayo cleared the blockage	6/10/2022
Illicit Discharge	5/27/2022	2412 North Ave.	Got a call about dumping oil in drain at this location from neighbor	Pretreatment personnel went to location and complaint didn't seem valid		6/1/2022
Illicit Discharge	5/31/2022	1811 Accomac St	GRTC bus was smoking and a lot of oil poured out of the back of the bus.	Pretreatment personnel went to location, and could not find any evidence to support the complaint		7/14/2022
Illicit Discharge	6/22/2022	Goode Creek at Bellmeade Park	complaint of a white cloudy substance that was causing the water to look milky in Goode Creek	C. Gunter and J.R. Bell walked the creek from the community center up to the elementary school every has washed away		6/22/2022
Illicit Discharge	6/24/2022	2019 Grove Ave.	complaint of a white cloudy substance that was causing the water to look milky.	R. King went to 2019 Grove and found the source of the milky substance someone discarded a trashbag full of white paint and it was going in the drain	Pretreatment remove the bag and since nobody was claiming it. We cleaned up best we could and closed out complaint	6/24/2022
Illicit Discharge	6/24/2022	Between 20th and 21th St. Phaup St.	Got a call about two 55 gallon oil drums and one 30 gallon oil drum left on the street.	Pretreatment personnel went and picked up the drums off the street and called safety keen to dispose of them		6/24/2022
Illicit Discharge	6/26/2022	3516 Forest Hill Ave	FSE cooking grease bin knocked over by car and leaking grease over weekend	E. Whitehurst and R. King went to location and instructed business owner on his steps for cleanup	L Lockett serviced the basins to ensure all discharged oil was removed	7/14/2022
Illicit Discharge	6/30/2022	2002 Princess Anne Ave	Toxic foul smelling Liquid approx. 30 gallons discharged from carpet cleaning truck. Driver Stated he had to dump somewhere	Pretreatment Personnel was able to verify the discharge and contacted the company and instructed them on how to properly discharge wastewater	Company was in area but didn't admit to being at fault so we issued a verbal warning	7/14/2022

Investigation Identifier	Incident Report Date	Incident Location	Incident Summary	Resolution Summary	Follow-Up Summary	Closure Date
Illicit Discharge	7/12/2022	2820 W. Broad St.	Call about conveying groundwater/rainwater encountered during redevelopment activities into the city's combined sewer system	the minimum volume that will be discharged we authorize the discharge into the combined sewer		7/12/2022
Illicit Discharge	7/19/2022	4600 Old Warwick Rd.	Stormwater personnel informed us about heavy grease deposits in the sanitary sewer main	W. Nawabi went and could not locate heavy grease deposits. He sampled and the results came back within city limits		8/2/2022
Illicit Discharge	8/5/2022	PumpHouse Park Upstream from Nickel Bridge	Email informing Pretreatment about a recurrent suspicious smell in pumphouse park suspected sewer leak	When pretreatment went to pumphouse park we could not smell the suspicious smell, and walked the park in hopes of finding something	when back to the park on 8/9/2022 and we didn't smell anything so we closed this complaint	8/9/2022
Illicit Discharge	8/21/2022	6548 Vischer Rd	Developer has equipment going back and forth creating muddy area, land disturbance taking place with no E&S controls in place	C. Grovesnor and T. Mahanes addressed the citizen about the ongoing development and measures being taken to control erosion and runoff		8/24/2022
Illicit Discharge	9/20/2022	Huguenot Bridge and Pony Pasture Park	Got complaint of high levels of bacteria within the James River near Huguenot Bridge	Pretreatment went to the area and walked the area from the bridge to pony pasture park taking samples to see where the bacteria is located	Samples so far have not produce high levels of bacteria. Sampling ongoing	
Illicit Discharge	9/22/2022	223 E. Grace St.	VDH called about a strong smell coming from the FSE located at 223 E. Grace st.	The FSE Valentine's Italian Pizzeria basement pungent odor was cause by sewer gas. It seemed to be a lot of organic material in the floor drain		
Illicit Discharge	10/14/2022	Mayo Island	Email informing Pretreatment of Norfolk Southern had dumped debris into the river	Pretreatment went to look at the area and Norfolk southern sent a crew to cleanup th debris		10/14/2022

Sample ID	Date	Time	Analyte	Result	Analyst
B157	1/11/2022	11:09	AMM	0.086	VCU
B157	1/25/2022	11:25	AMM	0.039	VCU
B157	2/10/2022	12:37	AMM	0.021	VCU
B157	2/23/2022	10:22	AMM	0.031	VCU
B157	3/8/2022	12:15	AMM	0.215	VCU
B157	3/24/2022	12:41	AMM	0.055	VCU
B157	4/5/2022	12:26	AMM	0.066	VCU
B157	4/19/2022	12:46	AMM	0.151	VCU
B157	5/3/2022	12:57	AMM	0.083	VCU
B157	5/17/2022	12:09	AMM	0.071	VCU
B157	5/31/2022	13:45	AMM	0.048	VCU
B157	6/14/2022	13:01	AMM	0.098	VCU
B157	6/28/2022	11:57	AMM	0.075	VCU
B157	7/12/2022	11:05	AMM	0.033	VCU
B157	7/26/2022	11:23	AMM	0.054	VCU
B157	8/9/2022	11:19	AMM	0.045	VCU
B157	8/23/2022	11:05	AMM	0.027	VCU
B157	9/6/2022	11:05	AMM	0.187	VCU
B157	9/20/2022	11:12	AMM	0.036	VCU
B157	10/4/2022	10:46	AMM	0.197	VCU
B157	10/18/2022	12:39	AMM	0.054	VCU
B157	11/1/2022	11:07	AMM	0.104	VCU
B157	11/15/2022	11:50	AMM	0.031	VCU
B157	11/29/2022	10:50	AMM	0.092	VCU
B157	12/20/2022	12:33	AMM	0.043	VCU
B157	12/13/2023	10:51	AMM	0.030	VCU
B157	1/11/2022	11:09	COND	224.2	VCU
B157	1/25/2022	11:25	COND	179.4	VCU
B157	2/10/2022	12:37	COND	114.0	VCU
B157	2/23/2022	10:22	COND	173.3	VCU
B157	3/8/2022	12:15	COND	166.5	VCU
B157	3/24/2022	12:41	COND	142.9	VCU
B157	4/5/2022	12:26	COND	150.3	VCU
B157	4/19/2022	12:46	COND	141.2	VCU
B157	5/3/2022	12:57	COND	164.5	VCU
B157	5/17/2022	12:09	COND	117.9	VCU
B157	5/31/2022	13:45	COND	123.9	VCU
B157	6/14/2022	13:01	COND	151.7	VCU
B157	6/28/2022	11:57	COND	178.8	VCU
B157	7/12/2022	11:05	COND	221.1	VCU
B157	7/26/2022	11:23	COND	264.3	VCU
B157	8/9/2022	11:19	COND	269.3	VCU
B157	8/23/2022	11:05	COND	282.0	VCU
B157	9/6/2022	11:05	COND	320.0	VCU
B157	9/20/2022	11:12	COND	264.7	VCU
B157	10/4/2022	10:46	COND	270.0	VCU

B157	10/18/2022	12:39	COND	339.3	VCU
B157	11/1/2022	11:07	COND	283.6	VCU
B157	11/15/2022	11:50	COND	255.5	VCU
B157	11/29/2022	10:50	COND	163.6	VCU
B157	12/20/2022	12:33	COND	160.2	VCU
B157	12/13/2023	10:51	COND	230.2	VCU
B157	1/11/2022	11:09	DO	12.90	VCU
B157	1/25/2022	11:25	DO	14.03	VCU
B157	2/10/2022	12:37	DO	13.05	VCU
B157	2/23/2022	10:22	DO	11.66	VCU
B157	3/8/2022	12:15	DO	10.46	VCU
B157	3/24/2022	12:41	DO	10.05	VCU
B157	4/5/2022	12:26	DO	10.32	VCU
B157	4/19/2022	12:46	DO	9.32	VCU
B157	5/3/2022	12:57	DO	8.02	VCU
B157	5/17/2022	12:09	DO	8.08	VCU
B157	5/31/2022	13:45	DO	8.65	VCU
B157	6/14/2022	13:01	DO	7.45	VCU
B157	6/28/2022	11:57	DO	7.12	VCU
B157	7/12/2022	11:05	DO	7.36	VCU
B157	7/26/2022	11:23	DO	6.96	VCU
B157	8/9/2022	11:19	DO	7.17	VCU
B157	8/23/2022	11:05	DO	7.54	VCU
B157	9/6/2022	11:05	DO	6.93	VCU
B157	9/20/2022	11:12	DO	7.83	VCU
B157	10/4/2022	10:46	DO	7.82	VCU
B157	10/18/2022	12:39	DO	8.63	VCU
B157	11/1/2022	11:07	DO	8.79	VCU
B157	11/15/2022	11:50	DO	10.27	VCU
B157	11/29/2022	10:50	DO	11.24	VCU
B157	12/20/2022	12:33	DO	12.97	VCU
B157	12/13/2023	10:51	DO	11.85	VCU
B157	1/11/2022	11:09	DO_%	100.3	VCU
B157	1/25/2022	11:25	DO_%	101.2	VCU
B157	2/10/2022	12:37	DO_%	102.4	VCU
B157	2/23/2022	10:22	DO_%	102.0	VCU
B157	3/8/2022	12:15	DO_%	100.0	VCU
B157	3/24/2022	12:41	DO_%	98.8	VCU
B157	4/5/2022	12:26	DO_%	101.0	VCU
B157	4/19/2022	12:46	DO_%	92.7	VCU
B157	5/3/2022	12:57	DO_%	88.0	VCU
B157	5/17/2022	12:09	DO_%	93.6	VCU
B157	5/31/2022	13:45	DO_%	100.8	VCU
B157	6/14/2022	13:01	DO_%	94.9	VCU
B157	6/28/2022	11:57	DO_%	90.1	VCU
B157	7/12/2022	11:05	DO_%	93.3	VCU
B157	7/26/2022	11:23	DO_%	94.0	VCU

B157	8/9/2022	11:19	DO_%	94.2	VCU
B157	8/23/2022	11:05	DO_%	95.3	VCU
B157	9/6/2022	11:05	DO_%	89.3	VCU
B157	9/20/2022	11:12	DO_%	96.8	VCU
B157	10/4/2022	10:46	DO_%	82.5	VCU
B157	10/18/2022	12:39	DO_%	92.5	VCU
B157	11/1/2022	11:07	DO_%	90.7	VCU
B157	11/15/2022	11:50	DO_%	97.9	VCU
B157	11/29/2022	10:50	DO_%	96.9	VCU
B157	12/20/2022	12:33	DO_%	101.7	VCU
B157	12/13/2023	10:51	DO_%	100.0	VCU
B157	1/11/2022	11:09	ECOLI-MF	163	VCU
B157	1/25/2022	11:25	ECOLI-MF	60	VCU
B157	2/10/2022	12:37	ECOLI-MF	61	VCU
B157	2/23/2022	10:22	ECOLI-MF	60	VCU
B157	3/8/2022	12:15	ECOLI-MF	32	VCU
B157	3/24/2022	12:41	ECOLI-MF	76	VCU
B157	4/5/2022	12:26	ECOLI-MF	30	VCU
B157	4/19/2022	12:46	ECOLI-MF	1255	VCU
B157	5/3/2022	12:57	ECOLI-MF	255	VCU
B157	5/17/2022	12:09	ECOLI-MF	104	VCU
B157	5/31/2022	13:45	ECOLI-MF	74	VCU
B157	6/14/2022	13:01	ECOLI-MF	163	VCU
B157	6/28/2022	11:57	ECOLI-MF	251	VCU
B157	7/12/2022	11:05	ECOLI-MF	83	VCU
B157	7/26/2022	11:23	ECOLI-MF	ND	VCU
B157	8/9/2022	11:19	ECOLI-MF	36	VCU
B157	8/23/2022	11:05	ECOLI-MF	41	VCU
B157	9/6/2022	11:05	ECOLI-MF	14	VCU
B157	9/20/2022	11:12	ECOLI-MF	15	VCU
B157	10/4/2022	10:46	ECOLI-MF	83	VCU
B157	10/18/2022	12:39	ECOLI-MF	29	VCU
B157	11/1/2022	11:07	ECOLI-MF	10	VCU
B157	11/15/2022	11:50	ECOLI-MF	107	VCU
B157	11/29/2022	10:50	ECOLI-MF	136	VCU
B157	12/20/2022	12:33	ECOLI-MF	145	VCU
B157	12/13/2023	10:51	ECOLI-MF	66	VCU
B157	1/11/2022	11:09	PH_F	7.74	VCU
B157	1/25/2022	11:25	PH_F	7.62	VCU
B157	2/10/2022	12:37	PH_F	7.60	VCU
B157	2/23/2022	10:22	PH_F	7.77	VCU
B157	3/8/2022	12:15	PH_F	7.76	VCU
B157	3/24/2022	12:41	PH_F	7.30	VCU
B157	4/5/2022	12:26	PH_F	7.69	VCU
B157	4/19/2022	12:46	PH_F	7.56	VCU
B157	5/3/2022	12:57	PH_F	7.83	VCU
B157	5/17/2022	12:09	PH_F	7.69	VCU

B157	5/31/2022	13:45	PH_F	7.66	VCU
B157	6/14/2022	13:01	PH_F	7.62	VCU
B157	6/28/2022	11:57	PH_F	8.14	VCU
B157	7/12/2022	11:05	PH_F	7.97	VCU
B157	7/26/2022	11:23	PH_F	8.07	VCU
B157	8/9/2022	11:19	PH_F	7.93	VCU
B157	8/23/2022	11:05	PH_F	8.18	VCU
B157	9/6/2022	11:05	PH_F	7.94	VCU
B157	9/20/2022	11:12	PH_F	8.22	VCU
B157	10/4/2022	10:46	PH_F	7.90	VCU
B157	10/18/2022	12:39	PH_F	8.24	VCU
B157	11/1/2022	11:07	PH_F	7.99	VCU
B157	11/15/2022	11:50	PH_F	7.72	VCU
B157	11/29/2022	10:50	PH_F	7.72	VCU
B157	12/20/2022	12:33	PH_F	7.58	VCU
B157	12/13/2023	10:51	PH_F	7.94	VCU
B157	1/11/2022	11:09	PHOS_TOTAL	0.023	VCU
B157	1/25/2022	11:25	PHOS_TOTAL	0.021	VCU
B157	2/10/2022	12:37	PHOS_TOTAL	0.059	VCU
B157	2/23/2022	10:22	PHOS_TOTAL	0.015	VCU
B157	3/8/2022	12:15	PHOS_TOTAL	0.032	VCU
B157	3/24/2022	12:41	PHOS_TOTAL	0.031	VCU
B157	4/5/2022	12:26	PHOS_TOTAL	0.036	VCU
B157	4/19/2022	12:46	PHOS_TOTAL	0.051	VCU
B157	5/3/2022	12:57	PHOS_TOTAL	0.061	VCU
B157	5/17/2022	12:09	PHOS_TOTAL	0.035	VCU
B157	5/31/2022	13:45	PHOS_TOTAL	0.030	VCU
B157	6/14/2022	13:01	PHOS_TOTAL	0.031	VCU
B157	6/28/2022	11:57	PHOS_TOTAL	0.033	VCU
B157	7/12/2022	11:05	PHOS_TOTAL	0.030	VCU
B157	7/26/2022	11:23	PHOS_TOTAL	0.076	VCU
B157	8/9/2022	11:19	PHOS_TOTAL	0.082	VCU
B157	8/23/2022	11:05	PHOS_TOTAL	0.034	VCU
B157	9/6/2022	11:05	PHOS_TOTAL	0.039	VCU
B157	9/20/2022	11:12	PHOS_TOTAL	0.025	VCU
B157	10/4/2022	10:46	PHOS_TOTAL	0.039	VCU
B157	10/18/2022	12:39	PHOS_TOTAL	0.034	VCU
B157	11/1/2022	11:07	PHOS_TOTAL	0.011	VCU
B157	11/15/2022	11:50	PHOS_TOTAL	0.030	VCU
B157	11/29/2022	10:50	PHOS_TOTAL	0.033	VCU
B157	12/20/2022	12:33	PHOS_TOTAL	0.033	VCU
B157	12/13/2023	10:51	PHOS_TOTAL	0.011	VCU
B157	1/11/2022	11:09	T_NITROGEN	0.778	VCU
B157	1/25/2022	11:25	T_NITROGEN	1.515	VCU
B157	2/10/2022	12:37	T_NITROGEN	0.990	VCU
B157	2/23/2022	10:22	T_NITROGEN	0.492	VCU
B157	3/8/2022	12:15	T_NITROGEN	0.324	VCU

B157	3/24/2022	12:41	T_NITROGEN	0.401	VCU
B157	4/5/2022	12:26	T_NITROGEN	0.367	VCU
B157	4/19/2022	12:46	T_NITROGEN	0.459	VCU
B157	5/3/2022	12:57	T_NITROGEN	0.231	VCU
B157	5/17/2022	12:09	T_NITROGEN	0.492	VCU
B157	5/31/2022	13:45	T_NITROGEN	0.462	VCU
B157	6/14/2022	13:01	T_NITROGEN	0.694	VCU
B157	6/28/2022	11:57	T_NITROGEN	0.523	VCU
B157	7/12/2022	11:05	T_NITROGEN	0.219	VCU
B157	7/26/2022	11:23	T_NITROGEN	1.198	VCU
B157	8/9/2022	11:19	T_NITROGEN	0.813	VCU
B157	8/23/2022	11:05	T_NITROGEN	0.856	VCU
B157	9/6/2022	11:05	T_NITROGEN	0.546	VCU
B157	9/20/2022	11:12	T_NITROGEN	0.463	VCU
B157	10/4/2022	10:46	T_NITROGEN	0.595	VCU
B157	10/18/2022	12:39	T_NITROGEN	0.312	VCU
B157	11/1/2022	11:07	T_NITROGEN	0.603	VCU
B157	11/15/2022	11:50	T_NITROGEN	0.486	VCU
B157	11/29/2022	10:50	T_NITROGEN	0.855	VCU
B157	12/20/2022	12:33	T_NITROGEN	0.594	VCU
B157	12/13/2023	10:51	T_NITROGEN	0.395	VCU
B157	1/11/2022	11:09	TEMP_FIELD	4.7	VCU
B157	1/25/2022	11:25	TEMP_FIELD	1.8	VCU
B157	2/10/2022	12:37	TEMP_FIELD	5.1	VCU
B157	2/23/2022	10:22	TEMP_FIELD	9.5	VCU
B157	3/8/2022	12:15	TEMP_FIELD	13.2	VCU
B157	3/24/2022	12:41	TEMP_FIELD	14.6	VCU
B157	4/5/2022	12:26	TEMP_FIELD	14.3	VCU
B157	4/19/2022	12:46	TEMP_FIELD	15.1	VCU
B157	5/3/2022	12:57	TEMP_FIELD	19.9	VCU
B157	5/17/2022	12:09	TEMP_FIELD	22.6	VCU
B157	5/31/2022	13:45	TEMP_FIELD	22.9	VCU
B157	6/14/2022	13:01	TEMP_FIELD	27.8	VCU
B157	6/28/2022	11:57	TEMP_FIELD	27.3	VCU
B157	7/12/2022	11:05	TEMP_FIELD	27.6	VCU
B157	7/26/2022	11:23	TEMP_FIELD	31.1	VCU
B157	8/9/2022	11:19	TEMP_FIELD	29.5	VCU
B157	8/23/2022	11:05	TEMP_FIELD	27.3	VCU
B157	9/6/2022	11:05	TEMP_FIELD	28.4	VCU
B157	9/20/2022	11:12	TEMP_FIELD	26.1	VCU
B157	10/4/2022	10:46	TEMP_FIELD	17.9	VCU
B157	10/18/2022	12:39	TEMP_FIELD	18.6	VCU
B157	11/1/2022	11:07	TEMP_FIELD	16.8	VCU
B157	11/15/2022	11:50	TEMP_FIELD	13.2	VCU
B157	11/29/2022	10:50	TEMP_FIELD	8.7	VCU
B157	12/20/2022	12:33	TEMP_FIELD	5.0	VCU
B157	12/13/2023	10:51	TEMP_FIELD	8.0	VCU

B157	1/11/2022	11:09	TSS	5.26	VCU
B157	1/25/2022	11:25	TSS	6.91	VCU
B157	2/10/2022	12:37	TSS	16.62	VCU
B157	2/23/2022	10:22	TSS	2.63	VCU
B157	3/8/2022	12:15	TSS	3.38	VCU
B157	3/24/2022	12:41	TSS	5.71	VCU
B157	4/5/2022	12:26	TSS	5.22	VCU
B157	4/19/2022	12:46	TSS	6.57	VCU
B157	5/3/2022	12:57	TSS	5.78	VCU
B157	5/17/2022	12:09	TSS	5.48	VCU
B157	5/31/2022	13:45	TSS	6.73	VCU
B157	6/14/2022	13:01	TSS	7.71	VCU
B157	6/28/2022	11:57	TSS	7.29	VCU
B157	7/12/2022	11:05	TSS	4.58	VCU
B157	7/26/2022	11:23	TSS	4.34	VCU
B157	8/9/2022	11:19	TSS	4.14	VCU
B157	8/23/2022	11:05	TSS	3.78	VCU
B157	9/6/2022	11:05	TSS	8.04	VCU
B157	9/20/2022	11:12	TSS	2.11	VCU
B157	10/4/2022	10:46	TSS	2.79	VCU
B157	10/18/2022	12:39	TSS	3.50	VCU
B157	11/1/2022	11:07	TSS	3.26	VCU
B157	11/15/2022	11:50	TSS	16.42	VCU
B157	11/29/2022	10:50	TSS	3.62	VCU
B157	12/20/2022	12:33	TSS	8.76	VCU
B157	12/13/2023	10:51	TSS	3.61	VCU
B157	1/11/2022	11:09	TURB	2.64	VCU
B157	1/25/2022	11:25	TURB	4.48	VCU
B157	2/10/2022	12:37	TURB	13.20	VCU
B157	2/23/2022	10:22	TURB	1.76	VCU
B157	3/8/2022	12:15	TURB	3.29	VCU
B157	3/24/2022	12:41	TURB	3.33	VCU
B157	4/5/2022	12:26	TURB	5.10	VCU
B157	4/19/2022	12:46	TURB	10.20	VCU
B157	5/3/2022	12:57	TURB	1.67	VCU
B157	5/17/2022	12:09	TURB	4.38	VCU
B157	5/31/2022	13:45	TURB	4.57	VCU
B157	6/14/2022	13:01	TURB	5.37	VCU
B157	6/28/2022	11:57	TURB	4.17	VCU
B157	7/12/2022	11:05	TURB	1.95	VCU
B157	7/26/2022	11:23	TURB	2.33	VCU
B157	8/9/2022	11:19	TURB	3.27	VCU
B157	8/23/2022	11:05	TURB	3.28	VCU
B157	9/6/2022	11:05	TURB	7.42	VCU
B157	9/20/2022	11:12	TURB	3.23	VCU
B157	10/4/2022	10:46	TURB	2.42	VCU
B157	10/18/2022	12:39	TURB	1.57	VCU

B157	11/1/2022	11:07	TURB	1.49	VCU
B157	11/15/2022	11:50	TURB	12.10	VCU
B157	11/29/2022	10:50	TURB	3.64	VCU
B157	12/20/2022	12:33	TURB	8.24	VCU
B157	12/13/2023	10:51	TURB	1.55	VCU
B166	1/11/2022	11:27	AMM	0.035	VCU
B166	1/25/2022	11:43	AMM	0.075	VCU
B166	2/10/2022	12:54	AMM	0.016	VCU
B166	2/23/2022	10:40	AMM	0.029	VCU
B166	3/8/2022	12:33	AMM	0.244	VCU
B166	3/24/2022	13:00	AMM	0.039	VCU
B166	4/5/2022	12:46	AMM	0.053	VCU
B166	4/19/2022	13:07	AMM	0.055	VCU
B166	5/3/2022	13:12	AMM	0.053	VCU
B166	5/17/2022	12:27	AMM	0.059	VCU
B166	5/31/2022	14:02	AMM	0.085	VCU
B166	6/14/2022	13:21	AMM	0.064	VCU
B166	6/28/2022	12:14	AMM	0.152	VCU
B166	7/12/2022	11:23	AMM	0.006	VCU
B166	7/26/2022	11:40	AMM	0.055	VCU
B166	8/9/2022	11:40	AMM	0.030	VCU
B166	8/23/2022	11:23	AMM	0.010	VCU
B166	9/6/2022	11:27	AMM	0.058	VCU
B166	9/20/2022	11:34	AMM	0.280	VCU
B166	10/4/2022	11:05	AMM	0.105	VCU
B166	10/18/2022	13:03	AMM	0.031	VCU
B166	11/1/2022	11:29	AMM	0.064	VCU
B166	11/15/2022	12:09	AMM	0.037	VCU
B166	11/29/2022	11:12	AMM	0.115	VCU
B166	12/20/2022	12:59	AMM	0.032	VCU
B166	12/13/2023	11:13	AMM	0.033	VCU
B166	1/11/2022	11:27	COND	163.4	VCU
B166	1/25/2022	11:43	COND	152.8	VCU
B166	2/10/2022	12:54	COND	100.7	VCU
B166	2/23/2022	10:40	COND	159.2	VCU
B166	3/8/2022	12:33	COND	148.6	VCU
B166	3/24/2022	13:00	COND	129.4	VCU
B166	4/5/2022	12:46	COND	136.9	VCU
B166	4/19/2022	13:07	COND	129.0	VCU
B166	5/3/2022	13:12	COND	140.7	VCU
B166	5/17/2022	12:27	COND	108.3	VCU
B166	5/31/2022	14:02	COND	119.0	VCU
B166	6/14/2022	13:21	COND	111.3	VCU
B166	6/28/2022	12:14	COND	140.2	VCU
B166	7/12/2022	11:23	COND	207.3	VCU
B166	7/26/2022	11:40	COND	204.2	VCU
B166	8/9/2022	11:40	COND	182.1	VCU

B166	8/23/2022	11:23	COND	249.9	VCU
B166	9/6/2022	11:27	COND	272.1	VCU
B166	9/20/2022	11:34	COND	241.9	VCU
B166	10/4/2022	11:05	COND	233.2	VCU
B166	10/18/2022	13:03	COND	242.7	VCU
B166	11/1/2022	11:29	COND	254.5	VCU
B166	11/15/2022	12:09	COND	191.2	VCU
B166	11/29/2022	11:12	COND	152.6	VCU
B166	12/20/2022	12:59	COND	162.9	VCU
B166	12/13/2023	11:13	COND	210.8	VCU
B166	1/11/2022	11:27	DO	13.24	VCU
B166	1/25/2022	11:43	DO	14.03	VCU
B166	2/10/2022	12:54	DO	13.19	VCU
B166	2/23/2022	10:40	DO	11.62	VCU
B166	3/8/2022	12:33	DO	9.98	VCU
B166	3/24/2022	13:00	DO	10.05	VCU
B166	4/5/2022	12:46	DO	10.02	VCU
B166	4/19/2022	13:07	DO	9.81	VCU
B166	5/3/2022	13:12	DO	8.16	VCU
B166	5/17/2022	12:27	DO	8.53	VCU
B166	5/31/2022	14:02	DO	8.69	VCU
B166	6/14/2022	13:21	DO	7.57	VCU
B166	6/28/2022	12:14	DO	6.92	VCU
B166	7/12/2022	11:23	DO	8.16	VCU
B166	7/26/2022	11:40	DO	6.94	VCU
B166	8/9/2022	11:40	DO	7.44	VCU
B166	8/23/2022	11:23	DO	7.57	VCU
B166	9/6/2022	11:27	DO	7.68	VCU
B166	9/20/2022	11:34	DO	7.87	VCU
B166	10/4/2022	11:05	DO	8.74	VCU
B166	10/18/2022	13:03	DO	8.90	VCU
B166	11/1/2022	11:29	DO	9.43	VCU
B166	11/15/2022	12:09	DO	10.66	VCU
B166	11/29/2022	11:12	DO	11.48	VCU
B166	12/20/2022	12:59	DO	13.27	VCU
B166	12/13/2023	11:13	DO	12.14	VCU
B166	1/11/2022	11:27	DO_%	101.1	VCU
B166	1/25/2022	11:43	DO_%	101.1	VCU
B166	2/10/2022	12:54	DO_%	102.5	VCU
B166	2/23/2022	10:40	DO_%	102.6	VCU
B166	3/8/2022	12:33	DO_%	98.1	VCU
B166	3/24/2022	13:00	DO_%	99.6	VCU
B166	4/5/2022	12:46	DO_%	99.1	VCU
B166	4/19/2022	13:07	DO_%	96.6	VCU
B166	5/3/2022	13:12	DO_%	92.4	VCU
B166	5/17/2022	12:27	DO_%	96.4	VCU
B166	5/31/2022	14:02	DO_%	100.3	VCU

B166	6/14/2022	13:21	DO_%	95.4	VCU
B166	6/28/2022	12:14	DO_%	87.0	VCU
B166	7/12/2022	11:23	DO_%	104.7	VCU
B166	7/26/2022	11:40	DO_%	93.2	VCU
B166	8/9/2022	11:40	DO_%	98.3	VCU
B166	8/23/2022	11:23	DO_%	96.0	VCU
B166	9/6/2022	11:27	DO_%	98.3	VCU
B166	9/20/2022	11:34	DO_%	96.7	VCU
B166	10/4/2022	11:05	DO_%	91.3	VCU
B166	10/18/2022	13:03	DO_%	95.2	VCU
B166	11/1/2022	11:29	DO_%	96.1	VCU
B166	11/15/2022	12:09	DO_%	100.3	VCU
B166	11/29/2022	11:12	DO_%	100.3	VCU
B166	12/20/2022	12:59	DO_%	103.2	VCU
B166	12/13/2023	11:13	DO_%	101.1	VCU
B166	1/11/2022	11:27	ECOLI-MF	142	VCU
B166	1/25/2022	11:43	ECOLI-MF	59	VCU
B166	2/10/2022	12:54	ECOLI-MF	73	VCU
B166	2/23/2022	10:40	ECOLI-MF	27	VCU
B166	3/8/2022	12:33	ECOLI-MF	344	VCU
B166	3/24/2022	13:00	ECOLI-MF	58	VCU
B166	4/5/2022	12:46	ECOLI-MF	26	VCU
B166	4/19/2022	13:07	ECOLI-MF	280	VCU
B166	5/3/2022	13:12	ECOLI-MF	66	VCU
B166	5/17/2022	12:27	ECOLI-MF	148	VCU
B166	5/31/2022	14:02	ECOLI-MF	91	VCU
B166	6/14/2022	13:21	ECOLI-MF	372	VCU
B166	6/28/2022	12:14	ECOLI-MF	1500	VCU
B166	7/12/2022	11:23	ECOLI-MF	85	VCU
B166	7/26/2022	11:40	ECOLI-MF	ND	VCU
B166	8/9/2022	11:40	ECOLI-MF	37	VCU
B166	8/23/2022	11:23	ECOLI-MF	640	VCU
B166	9/6/2022	11:27	ECOLI-MF	20	VCU
B166	9/20/2022	11:34	ECOLI-MF	23	VCU
B166	10/4/2022	11:05	ECOLI-MF	699	VCU
B166	10/18/2022	13:03	ECOLI-MF	820	VCU
B166	11/1/2022	11:29	ECOLI-MF	34	VCU
B166	11/15/2022	12:09	ECOLI-MF	147	VCU
B166	11/29/2022	11:12	ECOLI-MF	303	VCU
B166	12/20/2022	12:59	ECOLI-MF	146	VCU
B166	12/13/2023	11:13	ECOLI-MF	54	VCU
B166	1/11/2022	11:27	PH_F	7.72	VCU
B166	1/25/2022	11:43	PH_F	7.61	VCU
B166	2/10/2022	12:54	PH_F	7.58	VCU
B166	2/23/2022	10:40	PH_F	7.83	VCU
B166	3/8/2022	12:33	PH_F	7.75	VCU
B166	3/24/2022	13:00	PH_F	7.56	VCU

B166	4/5/2022	12:46	PH_F	7.72	VCU
B166	4/19/2022	13:07	PH_F	7.63	VCU
B166	5/3/2022	13:12	PH_F	8.75	VCU
B166	5/17/2022	12:27	PH_F	7.62	VCU
B166	5/31/2022	14:02	PH_F	7.63	VCU
B166	6/14/2022	13:21	PH_F	7.50	VCU
B166	6/28/2022	12:14	PH_F	7.81	VCU
B166	7/12/2022	11:23	PH_F	8.45	VCU
B166	7/26/2022	11:40	PH_F	8.08	VCU
B166	8/9/2022	11:40	PH_F	7.73	VCU
B166	8/23/2022	11:23	PH_F	8.09	VCU
B166	9/6/2022	11:27	PH_F	8.26	VCU
B166	9/20/2022	11:34	PH_F	8.28	VCU
B166	10/4/2022	11:05	PH_F	8.12	VCU
B166	10/18/2022	13:03	PH_F	8.09	VCU
B166	11/1/2022	11:29	PH_F	7.96	VCU
B166	11/15/2022	12:09	PH_F	7.81	VCU
B166	11/29/2022	11:12	PH_F	7.78	VCU
B166	12/20/2022	12:59	PH_F	7.88	VCU
B166	12/13/2023	11:13	PH_F	8.14	VCU
B166	1/11/2022	11:27	PHOS_TOTAL	0.021	VCU
B166	1/25/2022	11:43	PHOS_TOTAL	0.018	VCU
B166	2/10/2022	12:54	PHOS_TOTAL	0.048	VCU
B166	2/23/2022	10:40	PHOS_TOTAL	0.016	VCU
B166	3/8/2022	12:33	PHOS_TOTAL	0.033	VCU
B166	3/24/2022	13:00	PHOS_TOTAL	0.041	VCU
B166	4/5/2022	12:46	PHOS_TOTAL	0.020	VCU
B166	4/19/2022	13:07	PHOS_TOTAL	0.022	VCU
B166	5/3/2022	13:12	PHOS_TOTAL	0.014	VCU
B166	5/17/2022	12:27	PHOS_TOTAL	0.045	VCU
B166	5/31/2022	14:02	PHOS_TOTAL	0.033	VCU
B166	6/14/2022	13:21	PHOS_TOTAL	0.049	VCU
B166	6/28/2022	12:14	PHOS_TOTAL	0.046	VCU
B166	7/12/2022	11:23	PHOS_TOTAL	0.022	VCU
B166	7/26/2022	11:40	PHOS_TOTAL	0.030	VCU
B166	8/9/2022	11:40	PHOS_TOTAL	0.046	VCU
B166	8/23/2022	11:23	PHOS_TOTAL	0.008	VCU
B166	9/6/2022	11:27	PHOS_TOTAL	0.023	VCU
B166	9/20/2022	11:34	PHOS_TOTAL	0.025	VCU
B166	10/4/2022	11:05	PHOS_TOTAL	0.031	VCU
B166	10/18/2022	13:03	PHOS_TOTAL	0.025	VCU
B166	11/1/2022	11:29	PHOS_TOTAL	0.008	VCU
B166	11/15/2022	12:09	PHOS_TOTAL	0.036	VCU
B166	11/29/2022	11:12	PHOS_TOTAL	0.023	VCU
B166	12/20/2022	12:59	PHOS_TOTAL	0.035	VCU
B166	12/13/2023	11:13	PHOS_TOTAL	0.017	VCU
B166	1/11/2022	11:27	T_NITROGEN	0.507	VCU

B166	1/25/2022	11:43	T_NITROGEN	0.515	VCU
B166	2/10/2022	12:54	T_NITROGEN	0.723	VCU
B166	2/23/2022	10:40	T_NITROGEN	0.461	VCU
B166	3/8/2022	12:33	T_NITROGEN	0.414	VCU
B166	3/24/2022	13:00	T_NITROGEN	0.377	VCU
B166	4/5/2022	12:46	T_NITROGEN	0.376	VCU
B166	4/19/2022	13:07	T_NITROGEN	0.333	VCU
B166	5/3/2022	13:12	T_NITROGEN	0.200	VCU
B166	5/17/2022	12:27	T_NITROGEN	0.490	VCU
B166	5/31/2022	14:02	T_NITROGEN	0.453	VCU
B166	6/14/2022	13:21	T_NITROGEN	0.639	VCU
B166	6/28/2022	12:14	T_NITROGEN	0.665	VCU
B166	7/12/2022	11:23	T_NITROGEN	0.187	VCU
B166	7/26/2022	11:40	T_NITROGEN	0.231	VCU
B166	8/9/2022	11:40	T_NITROGEN	1.410	VCU
B166	8/23/2022	11:23	T_NITROGEN	1.037	VCU
B166	9/6/2022	11:27	T_NITROGEN	0.806	VCU
B166	9/20/2022	11:34	T_NITROGEN	0.461	VCU
B166	10/4/2022	11:05	T_NITROGEN	0.406	VCU
B166	10/18/2022	13:03	T_NITROGEN	0.299	VCU
B166	11/1/2022	11:29	T_NITROGEN	0.513	VCU
B166	11/15/2022	12:09	T_NITROGEN	0.609	VCU
B166	11/29/2022	11:12	T_NITROGEN	0.906	VCU
B166	12/20/2022	12:59	T_NITROGEN	0.594	VCU
B166	12/13/2023	11:13	T_NITROGEN	0.380	VCU
B166	1/11/2022	11:27	TEMP_FIELD	4.0	VCU
B166	1/25/2022	11:43	TEMP_FIELD	2.1	VCU
B166	2/10/2022	12:54	TEMP_FIELD	4.7	VCU
B166	2/23/2022	10:40	TEMP_FIELD	9.8	VCU
B166	3/8/2022	12:33	TEMP_FIELD	14.6	VCU
B166	3/24/2022	13:00	TEMP_FIELD	14.9	VCU
B166	4/5/2022	12:46	TEMP_FIELD	14.8	VCU
B166	4/19/2022	13:07	TEMP_FIELD	14.7	VCU
B166	5/3/2022	13:12	TEMP_FIELD	21.5	VCU
B166	5/17/2022	12:27	TEMP_FIELD	21.4	VCU
B166	5/31/2022	14:02	TEMP_FIELD	22.5	VCU
B166	6/14/2022	13:21	TEMP_FIELD	27.2	VCU
B166	6/28/2022	12:14	TEMP_FIELD	27.1	VCU
B166	7/12/2022	11:23	TEMP_FIELD	28.2	VCU
B166	7/26/2022	11:40	TEMP_FIELD	30.9	VCU
B166	8/9/2022	11:40	TEMP_FIELD	29.9	VCU
B166	8/23/2022	11:23	TEMP_FIELD	27.6	VCU
B166	9/6/2022	11:27	TEMP_FIELD	28.1	VCU
B166	9/20/2022	11:34	TEMP_FIELD	25.8	VCU
B166	10/4/2022	11:05	TEMP_FIELD	17.4	VCU
B166	10/18/2022	13:03	TEMP_FIELD	18.6	VCU
B166	11/1/2022	11:29	TEMP_FIELD	16.3	VCU

B166	11/15/2022	12:09	TEMP_FIELD	12.6	VCU
B166	11/29/2022	11:12	TEMP_FIELD	9.3	VCU
B166	12/20/2022	12:59	TEMP_FIELD	4.7	VCU
B166	12/13/2023	11:13	TEMP_FIELD	7.4	VCU
B166	1/11/2022	11:27	TSS	5.65	VCU
B166	1/25/2022	11:43	TSS	5.85	VCU
B166	2/10/2022	12:54	TSS	17.09	VCU
B166	2/23/2022	10:40	TSS	1.37	VCU
B166	3/8/2022	12:33	TSS	2.33	VCU
B166	3/24/2022	13:00	TSS	5.16	VCU
B166	4/5/2022	12:46	TSS	3.48	VCU
B166	4/19/2022	13:07	TSS	3.43	VCU
B166	5/3/2022	13:12	TSS	2.73	VCU
B166	5/17/2022	12:27	TSS	7.25	VCU
B166	5/31/2022	14:02	TSS	6.11	VCU
B166	6/14/2022	13:21	TSS	7.10	VCU
B166	6/28/2022	12:14	TSS	12.51	VCU
B166	7/12/2022	11:23	TSS	1.89	VCU
B166	7/26/2022	11:40	TSS	4.57	VCU
B166	8/9/2022	11:40	TSS	4.34	VCU
B166	8/23/2022	11:23	TSS	3.57	VCU
B166	9/6/2022	11:27	TSS	6.56	VCU
B166	9/20/2022	11:34	TSS	2.58	VCU
B166	10/4/2022	11:05	TSS	3.97	VCU
B166	10/18/2022	13:03	TSS	2.33	VCU
B166	11/1/2022	11:29	TSS	2.04	VCU
B166	11/15/2022	12:09	TSS	3.26	VCU
B166	11/29/2022	11:12	TSS	2.93	VCU
B166	12/20/2022	12:59	TSS	7.37	VCU
B166	12/13/2023	11:13	TSS	4.59	VCU
B166	1/11/2022	11:27	TURB	4.99	VCU
B166	1/25/2022	11:43	TURB	6.41	VCU
B166	2/10/2022	12:54	TURB	4.17	VCU
B166	2/23/2022	10:40	TURB	1.92	VCU
B166	3/8/2022	12:33	TURB	2.32	VCU
B166	3/24/2022	13:00	TURB	3.83	VCU
B166	4/5/2022	12:46	TURB	2.36	VCU
B166	4/19/2022	13:07	TURB	3.59	VCU
B166	5/3/2022	13:12	TURB	1.01	VCU
B166	5/17/2022	12:27	TURB	6.05	VCU
B166	5/31/2022	14:02	TURB	5.89	VCU
B166	6/14/2022	13:21	TURB	3.27	VCU
B166	6/28/2022	12:14	TURB	6.48	VCU
B166	7/12/2022	11:23	TURB	1.43	VCU
B166	7/26/2022	11:40	TURB	3.15	VCU
B166	8/9/2022	11:40	TURB	2.01	VCU
B166	8/23/2022	11:23	TURB	2.26	VCU

B166	9/6/2022	11:27	TURB	3.18	VCU
B166	9/20/2022	11:34	TURB	3.46	VCU
B166	10/4/2022	11:05	TURB	2.22	VCU
B166	10/18/2022	13:03	TURB	1.28	VCU
B166	11/1/2022	11:29	TURB	2.61	VCU
B166	11/15/2022	12:09	TURB	11.10	VCU
B166	11/29/2022	11:12	TURB	3.05	VCU
B166	12/20/2022	12:59	TURB	5.95	VCU
B166	12/13/2023	11:13	TURB	2.23	VCU
B166 (Shore)	11/9/2022	9:48	AMM	0.059	VCU
B166 (Shore)	11/15/2022	12:14	AMM	0.032	VCU
B166 (Shore)	11/22/2022	12:56	AMM	0.056	VCU
B166 (Shore)	11/29/2022	11:10	AMM	0.122	VCU
B166 (Shore)	12/6/2022	11:03	AMM	0.038	VCU
B166 (Shore)	12/20/2022	12:57	AMM	0.032	VCU
B166 (Shore)	12/13/2023	11:16	AMM	0.044	VCU
B166 (Shore)	11/9/2022	9:48	COND	243.4	VCU
B166 (Shore)	11/15/2022	12:14	COND	189.9	VCU
B166 (Shore)	11/22/2022	12:56	COND	160.5	VCU
B166 (Shore)	11/29/2022	11:10	COND	153.2	VCU
B166 (Shore)	12/6/2022	11:03	COND	172.7	VCU
B166 (Shore)	12/20/2022	12:57	COND	163.8	VCU
B166 (Shore)	12/13/2023	11:16	COND	211.1	VCU
B166 (Shore)	11/9/2022	9:48	DO	8.61	VCU
B166 (Shore)	11/15/2022	12:14	DO	10.67	VCU
B166 (Shore)	11/22/2022	12:56	DO	12.62	VCU
B166 (Shore)	11/29/2022	11:10	DO	11.46	VCU
B166 (Shore)	12/6/2022	11:03	DO	12.09	VCU
B166 (Shore)	12/20/2022	12:57	DO	13.24	VCU
B166 (Shore)	12/13/2023	11:16	DO	12.16	VCU
B166 (Shore)	11/9/2022	9:48	DO_%	90.6	VCU
B166 (Shore)	11/15/2022	12:14	DO_%	100.5	VCU
B166 (Shore)	11/22/2022	12:56	DO_%	102.5	VCU
B166 (Shore)	11/29/2022	11:10	DO_%	100.1	VCU
B166 (Shore)	12/6/2022	11:03	DO_%	101.2	VCU
B166 (Shore)	12/20/2022	12:57	DO_%	103.1	VCU
B166 (Shore)	12/13/2023	11:16	DO_%	101.0	VCU
B166 (Shore)	11/9/2022	9:48	ECOLI-MF	ND	VCU
B166 (Shore)	11/15/2022	12:14	ECOLI-MF	128	VCU
B166 (Shore)	11/22/2022	12:56	ECOLI-MF	156	VCU
B166 (Shore)	11/29/2022	11:10	ECOLI-MF	126	VCU
B166 (Shore)	12/6/2022	11:03	ECOLI-MF	67	VCU
B166 (Shore)	12/20/2022	12:57	ECOLI-MF	167	VCU
B166 (Shore)	12/13/2023	11:16	ECOLI-MF	49	VCU
B166 (Shore)	11/9/2022	9:48	PH_F	8.05	VCU
B166 (Shore)	11/15/2022	12:14	PH_F	7.78	VCU
B166 (Shore)	11/22/2022	12:56	PH_F	7.87	VCU

B166 (Shore)	11/29/2022	11:10	PH_F	7.82	VCU
B166 (Shore)	12/6/2022	11:03	PH_F	7.90	VCU
B166 (Shore)	12/20/2022	12:57	PH_F	7.90	VCU
B166 (Shore)	12/13/2023	11:16	PH_F	8.11	VCU
B166 (Shore)	11/9/2022	9:48	PHOS_TOTAL	0.016	VCU
B166 (Shore)	11/15/2022	12:14	PHOS_TOTAL	0.039	VCU
B166 (Shore)	11/22/2022	12:56	PHOS_TOTAL	0.020	VCU
B166 (Shore)	11/29/2022	11:10	PHOS_TOTAL	0.023	VCU
B166 (Shore)	12/6/2022	11:03	PHOS_TOTAL	0.018	VCU
B166 (Shore)	12/20/2022	12:57	PHOS_TOTAL	0.029	VCU
B166 (Shore)	12/13/2023	11:16	PHOS_TOTAL	0.005	VCU
B166 (Shore)	11/9/2022	9:48	T_NITROGEN	0.359	VCU
B166 (Shore)	11/15/2022	12:14	T_NITROGEN	0.543	VCU
B166 (Shore)	11/22/2022	12:56	T_NITROGEN	0.758	VCU
B166 (Shore)	11/29/2022	11:10	T_NITROGEN	0.818	VCU
B166 (Shore)	12/6/2022	11:03	T_NITROGEN	0.572	VCU
B166 (Shore)	12/20/2022	12:57	T_NITROGEN	0.594	VCU
B166 (Shore)	12/13/2023	11:16	T_NITROGEN	0.401	VCU
B166 (Shore)	11/9/2022	9:48	TEMP_FIELD	17.8	VCU
B166 (Shore)	11/15/2022	12:14	TEMP_FIELD	12.6	VCU
B166 (Shore)	11/22/2022	12:56	TEMP_FIELD	6.4	VCU
B166 (Shore)	11/29/2022	11:10	TEMP_FIELD	9.2	VCU
B166 (Shore)	12/6/2022	11:03	TEMP_FIELD	7.6	VCU
B166 (Shore)	12/20/2022	12:57	TEMP_FIELD	4.7	VCU
B166 (Shore)	12/13/2023	11:16	TEMP_FIELD	7.4	VCU
B166 (Shore)	11/9/2022	9:48	TSS	2.14	VCU
B166 (Shore)	11/15/2022	12:14	TSS	2.04	VCU
B166 (Shore)	11/22/2022	12:56	TSS	3.94	VCU
B166 (Shore)	11/29/2022	11:10	TSS	1.86	VCU
B166 (Shore)	12/6/2022	11:03	TSS	1.76	VCU
B166 (Shore)	12/20/2022	12:57	TSS	7.46	VCU
B166 (Shore)	12/13/2023	11:16	TSS	5.98	VCU
B166 (Shore)	11/9/2022	9:48	TURB	1.07	VCU
B166 (Shore)	11/15/2022	12:14	TURB	11.30	VCU
B166 (Shore)	11/22/2022	12:56	TURB	3.26	VCU
B166 (Shore)	11/29/2022	11:10	TURB	4.39	VCU
B166 (Shore)	12/6/2022	11:03	TURB	1.31	VCU
B166 (Shore)	12/20/2022	12:57	TURB	6.36	VCU
B166 (Shore)	12/13/2023	11:16	TURB	1.94	VCU
B168	1/11/2022	11:36	AMM	0.023	VCU
B168	1/25/2022	11:53	AMM	0.009	VCU
B168	2/10/2022	13:04	AMM	0.014	VCU
B168	2/23/2022	10:48	AMM	0.014	VCU
B168	3/8/2022	12:42	AMM	0.263	VCU
B168	1/11/2022	11:36	COND	155.1	VCU
B168	1/25/2022	11:53	COND	149.2	VCU
B168	2/10/2022	13:04	COND	99.8	VCU

B168	2/23/2022	10:48	COND	166.5	VCU
B168	3/8/2022	12:42	COND	145.4	VCU
B168	1/11/2022	11:36	DO	13.60	VCU
B168	1/25/2022	11:53	DO	14.17	VCU
B168	2/10/2022	13:04	DO	13.20	VCU
B168	2/23/2022	10:48	DO	11.65	VCU
B168	3/8/2022	12:42	DO	10.58	VCU
B168	1/11/2022	11:36	DO_%	102.6	VCU
B168	1/25/2022	11:53	DO_%	102.0	VCU
B168	2/10/2022	13:04	DO_%	103.5	VCU
B168	2/23/2022	10:48	DO_%	101.8	VCU
B168	3/8/2022	12:42	DO_%	101.3	VCU
B168	1/11/2022	11:36	ECOLI-MF	198	VCU
B168	1/25/2022	11:53	ECOLI-MF	43	VCU
B168	2/10/2022	13:04	ECOLI-MF	59	VCU
B168	2/23/2022	10:48	ECOLI-MF	20	VCU
B168	3/8/2022	12:42	ECOLI-MF	NA	VCU
B168	1/11/2022	11:36	PH_F	7.72	VCU
B168	1/25/2022	11:53	PH_F	7.67	VCU
B168	2/10/2022	13:04	PH_F	7.51	VCU
B168	2/23/2022	10:48	PH_F	7.83	VCU
B168	3/8/2022	12:42	PH_F	7.75	VCU
B168	1/11/2022	11:36	PHOS_TOTAL	0.017	VCU
B168	1/25/2022	11:53	PHOS_TOTAL	0.015	VCU
B168	2/10/2022	13:04	PHOS_TOTAL	0.059	VCU
B168	2/23/2022	10:48	PHOS_TOTAL	0.015	VCU
B168	3/8/2022	12:42	PHOS_TOTAL	0.038	VCU
B168	1/11/2022	11:36	T_NITROGEN	0.431	VCU
B168	1/25/2022	11:53	T_NITROGEN	0.503	VCU
B168	2/10/2022	13:04	T_NITROGEN	0.871	VCU
B168	2/23/2022	10:48	T_NITROGEN	0.381	VCU
B168	3/8/2022	12:42	T_NITROGEN	0.312	VCU
B168	1/11/2022	11:36	TEMP_FIELD	3.5	VCU
B168	1/25/2022	11:53	TEMP_FIELD	1.8	VCU
B168	2/10/2022	13:04	TEMP_FIELD	5.1	VCU
B168	2/23/2022	10:48	TEMP_FIELD	9.4	VCU
B168	3/8/2022	12:42	TEMP_FIELD	13.4	VCU
B168	1/11/2022	11:36	TSS	7.81	VCU
B168	1/25/2022	11:53	TSS	5.44	VCU
B168	2/10/2022	13:04	TSS	20.70	VCU
B168	2/23/2022	10:48	TSS	2.95	VCU
B168	3/8/2022	12:42	TSS	2.29	VCU
B168	1/11/2022	11:36	TURB	4.56	VCU
B168	1/25/2022	11:53	TURB	5.73	VCU
B168	2/10/2022	13:04	TURB	8.83	VCU
B168	2/23/2022	10:48	TURB	1.68	VCU
B168	3/8/2022	12:42	TURB	3.25	VCU

Broad Rock	1/6/2022	14:15	AMM	0.126	VCU
Broad Rock	1/20/2022	10:14	AMM	0.255	VCU
Broad Rock	2/3/2022	13:16	AMM	0.358	VCU
Broad Rock	2/17/2022	11:28	AMM	0.026	VCU
Broad Rock	3/3/2022	12:47	AMM	0.026	VCU
Broad Rock	3/17/2022	10:05	AMM	0.097	VCU
Broad Rock	3/31/2022	10:03	AMM	0.020	VCU
Broad Rock	4/14/2022	13:21	AMM	0.032	VCU
Broad Rock	4/28/2022	12:34	AMM	0.025	VCU
Broad Rock	5/12/2022	10:49	AMM	0.027	VCU
Broad Rock	5/26/2022	10:10	AMM	0.032	VCU
Broad Rock	6/9/2022	10:45	AMM	0.030	VCU
Broad Rock	6/23/2022	9:57	AMM	0.361	VCU
Broad Rock	7/7/2022	12:26	AMM	0.013	VCU
Broad Rock	7/21/2022	10:32	AMM	0.075	VCU
Broad Rock	8/4/2022	11:10	AMM	0.015	VCU
Broad Rock	8/18/2022	9:59	AMM	0.002	VCU
Broad Rock	9/1/2022	13:13	AMM	0.069	VCU
Broad Rock	9/15/2022	10:27	AMM	0.022	VCU
Broad Rock	9/29/2022	10:02	AMM	0.128	VCU
Broad Rock	10/13/2022	9:58	AMM	0.078	VCU
Broad Rock	10/27/2022	10:27	AMM	0.039	VCU
Broad Rock	11/3/2022	11:00	AMM	0.078	VCU
Broad Rock	11/17/2022	11:00	AMM	0.027	VCU
Broad Rock	12/1/2022	10:30	AMM	0.040	VCU
Broad Rock	12/14/2022	11:42	AMM	0.027	VCU
Broad Rock	1/6/2022	14:15	COND	155.1	VCU
Broad Rock	1/20/2022	10:14	COND	187.0	VCU
Broad Rock	2/3/2022	13:16	COND	62.5	VCU
Broad Rock	2/17/2022	11:28	COND	163.9	VCU
Broad Rock	3/3/2022	12:47	COND	155.4	VCU
Broad Rock	3/17/2022	10:05	COND	106.0	VCU
Broad Rock	3/31/2022	10:03	COND	143.7	VCU
Broad Rock	4/14/2022	13:21	COND	142.4	VCU
Broad Rock	4/28/2022	12:34	COND	121.4	VCU
Broad Rock	5/12/2022	10:49	COND	134.0	VCU
Broad Rock	5/26/2022	10:10	COND	115.6	VCU
Broad Rock	6/9/2022	10:45	COND	137.1	VCU
Broad Rock	6/23/2022	9:57	COND	44.9	VCU
Broad Rock	7/7/2022	12:26	COND	137.7	VCU
Broad Rock	7/21/2022	10:32	COND	99.0	VCU
Broad Rock	8/4/2022	11:10	COND	117.1	VCU
Broad Rock	8/18/2022	9:59	COND	141.6	VCU
Broad Rock	9/1/2022	13:13	COND	119.6	VCU
Broad Rock	9/15/2022	10:27	COND	116.4	VCU
Broad Rock	9/29/2022	10:02	COND	131.1	VCU
Broad Rock	10/13/2022	9:58	COND	126.0	VCU

Broad Rock	10/27/2022	10:27	COND	143.3	VCU
Broad Rock	11/3/2022	11:00	COND	146.5	VCU
Broad Rock	11/17/2022	11:00	COND	115.3	VCU
Broad Rock	12/1/2022	10:30	COND	98.1	VCU
Broad Rock	12/14/2022	11:42	COND	142.1	VCU
Broad Rock	1/6/2022	14:15	DISCHARGE	0.045	VCU
Broad Rock	1/20/2022	10:14	DISCHARGE	0.174	VCU
Broad Rock	2/3/2022	13:16	DISCHARGE	0.109	VCU
Broad Rock	2/17/2022	11:28	DISCHARGE	0.031	VCU
Broad Rock	3/3/2022	12:47	DISCHARGE	0.021	VCU
Broad Rock	3/17/2022	10:05	DISCHARGE	0.110	VCU
Broad Rock	3/31/2022	10:03	DISCHARGE	0.025	VCU
Broad Rock	4/14/2022	13:21	DISCHARGE	0.021	VCU
Broad Rock	4/28/2022	12:34	DISCHARGE	0.025	VCU
Broad Rock	5/12/2022	10:49	DISCHARGE	0.081	VCU
Broad Rock	5/26/2022	10:10	DISCHARGE	0.035	VCU
Broad Rock	6/9/2022	10:45	DISCHARGE	0.018	VCU
Broad Rock	6/23/2022	9:57	DISCHARGE	0.238	VCU
Broad Rock	7/7/2022	12:26	DISCHARGE	0.0115	VCU
Broad Rock	7/21/2022	10:32	DISCHARGE	0.016	VCU
Broad Rock	8/4/2022	11:10	DISCHARGE	0.011	VCU
Broad Rock	8/18/2022	9:59	DISCHARGE	0.012	VCU
Broad Rock	9/1/2022	13:13	DISCHARGE	0.006	VCU
Broad Rock	9/15/2022	10:27	DISCHARGE	0.008	VCU
Broad Rock	9/29/2022	10:02	DISCHARGE	0.006	VCU
Broad Rock	10/13/2022	9:58	DISCHARGE	0.009	VCU
Broad Rock	10/27/2022	10:27	DISCHARGE	0.012	VCU
Broad Rock	11/3/2022	11:00	DISCHARGE	0.008	VCU
Broad Rock	11/17/2022	11:00	DISCHARGE	0.027	VCU
Broad Rock	12/1/2022	10:30	DISCHARGE	0.038	VCU
Broad Rock	12/14/2022	11:42	DISCHARGE	0.015	VCU
Broad Rock	1/6/2022	14:15	DO	11.19	VCU
Broad Rock	1/20/2022	10:14	DO	11.90	VCU
Broad Rock	2/3/2022	13:16	DO	11.18	VCU
Broad Rock	2/17/2022	11:28	DO	12.27	VCU
Broad Rock	3/3/2022	12:47	DO	12.30	VCU
Broad Rock	3/17/2022	10:05	DO	10.57	VCU
Broad Rock	3/31/2022	10:03	DO	11.17	VCU
Broad Rock	4/14/2022	13:21	DO	10.81	VCU
Broad Rock	4/28/2022	12:34	DO	10.70	VCU
Broad Rock	5/12/2022	10:49	DO	9.96	VCU
Broad Rock	5/26/2022	10:10	DO	9.51	VCU
Broad Rock	6/9/2022	10:45	DO	8.33	VCU
Broad Rock	6/23/2022	9:57	DO	8.32	VCU
Broad Rock	7/7/2022	12:26	DO	8.32	VCU
Broad Rock	7/21/2022	10:32	DO	7.58	VCU
Broad Rock	8/4/2022	11:10	DO	7.48	VCU

Broad Rock	8/18/2022	9:59	DO	8.76	VCU
Broad Rock	9/1/2022	13:13	DO	8.46	VCU
Broad Rock	9/15/2022	10:27	DO	8.84	VCU
Broad Rock	9/29/2022	10:02	DO	9.60	VCU
Broad Rock	10/13/2022	9:58	DO	9.23	VCU
Broad Rock	10/27/2022	10:27	DO	10.08	VCU
Broad Rock	11/3/2022	11:00	DO	9.55	VCU
Broad Rock	11/17/2022	11:00	DO	11.51	VCU
Broad Rock	12/1/2022	10:30	DO	11.87	VCU
Broad Rock	12/14/2022	11:42	DO	12.98	VCU
Broad Rock	1/6/2022	14:15	DO %	98.8	VCU
Broad Rock	1/20/2022	10:14	DO %	98.3	VCU
Broad Rock	2/3/2022	13:16	DO %	97.5	VCU
Broad Rock	2/17/2022	11:28	DO %	110.5	VCU
Broad Rock	3/3/2022	12:47	DO %	116.9	VCU
Broad Rock	3/17/2022	10:05	DO %	99.2	VCU
Broad Rock	3/31/2022	10:03	DO %	105.5	VCU
Broad Rock	4/14/2022	13:21	DO %	117.2	VCU
Broad Rock	4/28/2022	12:34	DO %	101.2	VCU
Broad Rock	5/12/2022	10:49	DO %	98.9	VCU
Broad Rock	5/26/2022	10:10	DO %	98.1	VCU
Broad Rock	6/9/2022	10:45	DO %	95.0	VCU
Broad Rock	6/23/2022	9:57	DO %	95.8	VCU
Broad Rock	7/7/2022	12:26	DO %	98.6	VCU
Broad Rock	7/21/2022	10:32	DO %	91.0	VCU
Broad Rock	8/4/2022	11:10	DO %	90.0	VCU
Broad Rock	8/18/2022	9:59	DO %	97.0	VCU
Broad Rock	9/1/2022	13:13	DO %	97.7	VCU
Broad Rock	9/15/2022	10:27	DO %	97.1	VCU
Broad Rock	9/29/2022	10:02	DO %	95.7	VCU
Broad Rock	10/13/2022	9:58	DO %	93.6	VCU
Broad Rock	10/27/2022	10:27	DO %	98.3	VCU
Broad Rock	11/3/2022	11:00	DO %	95.3	VCU
Broad Rock	11/17/2022	11:00	DO %	100.3	VCU
Broad Rock	12/1/2022	10:30	DO %	101.9	VCU
Broad Rock	12/14/2022	11:42	DO %	105.6	VCU
Broad Rock	1/6/2022	14:15	ECOLI-MF	174	VCU
Broad Rock	1/20/2022	10:14	ECOLI-MF	820	VCU
Broad Rock	2/3/2022	13:16	ECOLI-MF	1180	VCU
Broad Rock	2/17/2022	11:28	ECOLI-MF	98	VCU
Broad Rock	3/3/2022	12:47	ECOLI-MF	26	VCU
Broad Rock	3/17/2022	10:05	ECOLI-MF	284	VCU
Broad Rock	3/31/2022	10:03	ECOLI-MF	110	VCU
Broad Rock	4/14/2022	13:21	ECOLI-MF	207	VCU
Broad Rock	4/28/2022	12:34	ECOLI-MF	197	VCU
Broad Rock	5/12/2022	10:49	ECOLI-MF	155	VCU
Broad Rock	5/26/2022	10:10	ECOLI-MF	470	VCU

Broad Rock	6/9/2022	10:45	ECOLI-MF	875	VCU
Broad Rock	6/23/2022	9:57	ECOLI-MF	1895	VCU
Broad Rock	7/7/2022	12:26	ECOLI-MF	580	VCU
Broad Rock	7/21/2022	10:32	ECOLI-MF	1045	VCU
Broad Rock	8/4/2022	11:10	ECOLI-MF	293	VCU
Broad Rock	8/18/2022	9:59	ECOLI-MF	147	VCU
Broad Rock	9/1/2022	13:13	ECOLI-MF	840	VCU
Broad Rock	9/15/2022	10:27	ECOLI-MF	108	VCU
Broad Rock	9/29/2022	10:02	ECOLI-MF	TNTC	VCU
Broad Rock	10/13/2022	9:58	ECOLI-MF	376	VCU
Broad Rock	10/27/2022	10:27	ECOLI-MF	226	VCU
Broad Rock	11/3/2022	11:00	ECOLI-MF	189	VCU
Broad Rock	11/17/2022	11:00	ECOLI-MF	318	VCU
Broad Rock	12/1/2022	10:30	ECOLI-MF	277	VCU
Broad Rock	12/14/2022	11:42	ECOLI-MF	76	VCU
Broad Rock	1/6/2022	14:15	PH_F	7.61	VCU
Broad Rock	1/20/2022	10:14	PH_F	7.12	VCU
Broad Rock	2/3/2022	13:16	PH_F	7.10	VCU
Broad Rock	2/17/2022	11:28	PH_F	7.62	VCU
Broad Rock	3/3/2022	12:47	PH_F	8.41	VCU
Broad Rock	3/17/2022	10:05	PH_F	7.06	VCU
Broad Rock	3/31/2022	10:03	PH_F	7.44	VCU
Broad Rock	4/14/2022	13:21	PH_F	8.63	VCU
Broad Rock	4/28/2022	12:34	PH_F	7.46	VCU
Broad Rock	5/12/2022	10:49	PH_F	7.40	VCU
Broad Rock	5/26/2022	10:10	PH_F	7.04	VCU
Broad Rock	6/9/2022	10:45	PH_F	7.44	VCU
Broad Rock	6/23/2022	9:57	PH_F	6.75	VCU
Broad Rock	7/7/2022	12:26	PH_F	7.53	VCU
Broad Rock	7/21/2022	10:32	PH_F	7.27	VCU
Broad Rock	8/4/2022	11:10	PH_F	7.30	VCU
Broad Rock	8/18/2022	9:59	PH_F	7.14	VCU
Broad Rock	9/1/2022	13:13	PH_F	7.49	VCU
Broad Rock	9/15/2022	10:27	PH_F	7.40	VCU
Broad Rock	9/29/2022	10:02	PH_F	7.53	VCU
Broad Rock	10/13/2022	9:58	PH_F	7.46	VCU
Broad Rock	10/27/2022	10:27	PH_F	7.57	VCU
Broad Rock	11/3/2022	11:00	PH_F	7.39	VCU
Broad Rock	11/17/2022	11:00	PH_F	7.45	VCU
Broad Rock	12/1/2022	10:30	PH_F	7.49	VCU
Broad Rock	12/14/2022	11:42	PH_F	7.67	VCU
Broad Rock	1/6/2022	14:15	PHOS_TOTAL	0.038	VCU
Broad Rock	1/20/2022	10:14	PHOS_TOTAL	0.039	VCU
Broad Rock	2/3/2022	13:16	PHOS_TOTAL	0.072	VCU
Broad Rock	2/17/2022	11:28	PHOS_TOTAL	0.030	VCU
Broad Rock	3/3/2022	12:47	PHOS_TOTAL	0.034	VCU
Broad Rock	3/17/2022	10:05	PHOS_TOTAL	0.027	VCU

Broad Rock	3/31/2022	10:03	PHOS_TOTAL	0.029	VCU
Broad Rock	4/14/2022	13:21	PHOS_TOTAL	0.016	VCU
Broad Rock	4/28/2022	12:34	PHOS_TOTAL	0.020	VCU
Broad Rock	5/12/2022	10:49	PHOS_TOTAL	0.036	VCU
Broad Rock	5/26/2022	10:10	PHOS_TOTAL	0.038	VCU
Broad Rock	6/9/2022	10:45	PHOS_TOTAL	0.031	VCU
Broad Rock	6/23/2022	9:57	PHOS_TOTAL	0.028	VCU
Broad Rock	7/7/2022	12:26	PHOS_TOTAL	0.043	VCU
Broad Rock	7/21/2022	10:32	PHOS_TOTAL	0.068	VCU
Broad Rock	8/4/2022	11:10	PHOS_TOTAL	0.093	VCU
Broad Rock	8/18/2022	9:59	PHOS_TOTAL	0.049	VCU
Broad Rock	9/1/2022	13:13	PHOS_TOTAL	0.049	VCU
Broad Rock	9/15/2022	10:27	PHOS_TOTAL	0.045	VCU
Broad Rock	9/29/2022	10:02	PHOS_TOTAL	0.051	VCU
Broad Rock	10/13/2022	9:58	PHOS_TOTAL	0.040	VCU
Broad Rock	10/27/2022	10:27	PHOS_TOTAL	0.027	VCU
Broad Rock	11/3/2022	11:00	PHOS_TOTAL	0.016	VCU
Broad Rock	11/17/2022	11:00	PHOS_TOTAL	0.016	VCU
Broad Rock	12/1/2022	10:30	PHOS_TOTAL	0.010	VCU
Broad Rock	12/14/2022	11:42	PHOS_TOTAL	0.019	VCU
Broad Rock	1/6/2022	14:15	T_NITROGEN	0.891	VCU
Broad Rock	1/20/2022	10:14	T_NITROGEN	1.495	VCU
Broad Rock	2/3/2022	13:16	T_NITROGEN	1.507	VCU
Broad Rock	2/17/2022	11:28	T_NITROGEN	1.093	VCU
Broad Rock	3/3/2022	12:47	T_NITROGEN	0.833	VCU
Broad Rock	3/17/2022	10:05	T_NITROGEN	0.831	VCU
Broad Rock	3/31/2022	10:03	T_NITROGEN	0.906	VCU
Broad Rock	4/14/2022	13:21	T_NITROGEN	0.585	VCU
Broad Rock	4/28/2022	12:34	T_NITROGEN	0.561	VCU
Broad Rock	5/12/2022	10:49	T_NITROGEN	0.939	VCU
Broad Rock	5/26/2022	10:10	T_NITROGEN	0.815	VCU
Broad Rock	6/9/2022	10:45	T_NITROGEN	1.104	VCU
Broad Rock	6/23/2022	9:57	T_NITROGEN	0.749	VCU
Broad Rock	7/7/2022	12:26	T_NITROGEN	0.911	VCU
Broad Rock	7/21/2022	10:32	T_NITROGEN	1.052	VCU
Broad Rock	8/4/2022	11:10	T_NITROGEN	1.031	VCU
Broad Rock	8/18/2022	9:59	T_NITROGEN	1.527	VCU
Broad Rock	9/1/2022	13:13	T_NITROGEN	0.967	VCU
Broad Rock	9/15/2022	10:27	T_NITROGEN	1.617	VCU
Broad Rock	9/29/2022	10:02	T_NITROGEN	0.676	VCU
Broad Rock	10/13/2022	9:58	T_NITROGEN	0.993	VCU
Broad Rock	10/27/2022	10:27	T_NITROGEN	0.518	VCU
Broad Rock	11/3/2022	11:00	T_NITROGEN	0.447	VCU
Broad Rock	11/17/2022	11:00	T_NITROGEN	0.693	VCU
Broad Rock	12/1/2022	10:30	T_NITROGEN	0.433	VCU
Broad Rock	12/14/2022	11:42	T_NITROGEN	0.882	VCU
Broad Rock	1/6/2022	14:15	TEMP_FIELD	9.8	VCU

Broad Rock	1/20/2022	10:14	TEMP_FIELD	7.1	VCU
Broad Rock	2/3/2022	13:16	TEMP_FIELD	9.3	VCU
Broad Rock	2/17/2022	11:28	TEMP_FIELD	10.7	VCU
Broad Rock	3/3/2022	12:47	TEMP_FIELD	12.6	VCU
Broad Rock	3/17/2022	10:05	TEMP_FIELD	12.5	VCU
Broad Rock	3/31/2022	10:03	TEMP_FIELD	12.8	VCU
Broad Rock	4/14/2022	13:21	TEMP_FIELD	19.3	VCU
Broad Rock	4/28/2022	12:34	TEMP_FIELD	12.8	VCU
Broad Rock	5/12/2022	10:49	TEMP_FIELD	15.0	VCU
Broad Rock	5/26/2022	10:10	TEMP_FIELD	16.9	VCU
Broad Rock	6/9/2022	10:45	TEMP_FIELD	21.8	VCU
Broad Rock	6/23/2022	9:57	TEMP_FIELD	22.3	VCU
Broad Rock	7/7/2022	12:26	TEMP_FIELD	23.9	VCU
Broad Rock	7/21/2022	10:32	TEMP_FIELD	24.8	VCU
Broad Rock	8/4/2022	11:10	TEMP_FIELD	24.7	VCU
Broad Rock	8/18/2022	9:59	TEMP_FIELD	20.4	VCU
Broad Rock	9/1/2022	13:13	TEMP_FIELD	22.5	VCU
Broad Rock	9/15/2022	10:27	TEMP_FIELD	19.9	VCU
Broad Rock	9/29/2022	10:02	TEMP_FIELD	15.2	VCU
Broad Rock	10/13/2022	9:58	TEMP_FIELD	16.0	VCU
Broad Rock	10/27/2022	10:27	TEMP_FIELD	14.2	VCU
Broad Rock	11/3/2022	11:00	TEMP_FIELD	15.3	VCU
Broad Rock	11/17/2022	11:00	TEMP_FIELD	9.3	VCU
Broad Rock	12/1/2022	10:30	TEMP_FIELD	8.7	VCU
Broad Rock	12/14/2022	11:42	TEMP_FIELD	6.5	VCU
Broad Rock	1/6/2022	14:15	TSS	1.70	VCU
Broad Rock	1/20/2022	10:14	TSS	20.74	VCU
Broad Rock	2/3/2022	13:16	TSS	34.98	VCU
Broad Rock	2/17/2022	11:28	TSS	0.77	VCU
Broad Rock	3/3/2022	12:47	TSS	3.93	VCU
Broad Rock	3/17/2022	10:05	TSS	7.14	VCU
Broad Rock	3/31/2022	10:03	TSS	1.08	VCU
Broad Rock	4/14/2022	13:21	TSS	1.27	VCU
Broad Rock	4/28/2022	12:34	TSS	1.26	VCU
Broad Rock	5/12/2022	10:49	TSS	0.60	VCU
Broad Rock	5/26/2022	10:10	TSS	0.99	VCU
Broad Rock	6/9/2022	10:45	TSS	0.89	VCU
Broad Rock	6/23/2022	9:57	TSS	6.28	VCU
Broad Rock	7/7/2022	12:26	TSS	0.45	VCU
Broad Rock	7/21/2022	10:32	TSS	2.04	VCU
Broad Rock	8/4/2022	11:10	TSS	0.53	VCU
Broad Rock	8/18/2022	9:59	TSS	0.27	VCU
Broad Rock	9/1/2022	13:13	TSS	0.44	VCU
Broad Rock	9/15/2022	10:27	TSS	0.50	VCU
Broad Rock	9/29/2022	10:02	TSS	0.77	VCU
Broad Rock	10/13/2022	9:58	TSS	1.17	VCU
Broad Rock	10/27/2022	10:27	TSS	0.09	VCU

Broad Rock	11/3/2022	11:00	TSS	0.29	VCU
Broad Rock	11/17/2022	11:00	TSS	7.40	VCU
Broad Rock	12/1/2022	10:30	TSS	5.41	VCU
Broad Rock	12/14/2022	11:42	TSS	0.08	VCU
Broad Rock	1/6/2022	14:15	TURB	5.35	VCU
Broad Rock	1/20/2022	10:14	TURB	22.50	VCU
Broad Rock	2/3/2022	13:16	TURB	37.90	VCU
Broad Rock	2/17/2022	11:28	TURB	0.74	VCU
Broad Rock	3/3/2022	12:47	TURB	1.45	VCU
Broad Rock	3/17/2022	10:05	TURB	3.68	VCU
Broad Rock	3/31/2022	10:03	TURB	2.12	VCU
Broad Rock	4/14/2022	13:21	TURB	1.39	VCU
Broad Rock	4/28/2022	12:34	TURB	3.22	VCU
Broad Rock	5/12/2022	10:49	TURB	0.60	VCU
Broad Rock	5/26/2022	10:10	TURB	2.98	VCU
Broad Rock	6/9/2022	10:45	TURB	1.55	VCU
Broad Rock	6/23/2022	9:57	TURB	3.29	VCU
Broad Rock	7/7/2022	12:26	TURB	1.53	VCU
Broad Rock	7/21/2022	10:32	TURB	3.56	VCU
Broad Rock	8/4/2022	11:10	TURB	1.24	VCU
Broad Rock	8/18/2022	9:59	TURB	1.67	VCU
Broad Rock	9/1/2022	13:13	TURB	2.67	VCU
Broad Rock	9/15/2022	10:27	TURB	4.63	VCU
Broad Rock	9/29/2022	10:02	TURB	2.52	VCU
Broad Rock	10/13/2022	9:58	TURB	0.95	VCU
Broad Rock	10/27/2022	10:27	TURB	0.72	VCU
Broad Rock	11/3/2022	11:00	TURB	0.84	VCU
Broad Rock	11/17/2022	11:00	TURB	5.41	VCU
Broad Rock	12/1/2022	10:30	TURB	4.93	VCU
Broad Rock	12/14/2022	11:42	TURB	0.43	VCU
CSO#04	1/11/2022	12:41	AMM	0.022	VCU
CSO#04	1/18/2022	12:31	AMM	0.022	VCU
CSO#04	1/25/2022	12:57	AMM	0.024	VCU
CSO#04	2/1/2022	13:59	AMM	0.000	VCU
CSO#04	2/10/2022	14:10	AMM	0.009	VCU
CSO#04	2/15/2022	13:34	AMM	0.003	VCU
CSO#04	2/23/2022	11:56	AMM	0.000	VCU
CSO#04	3/1/2022	12:24	AMM	0.031	VCU
CSO#04	3/8/2022	13:45	AMM	0.137	VCU
CSO#04	3/15/2022	12:54	AMM	0.030	VCU
CSO#04	3/24/2022	13:59	AMM	0.027	VCU
CSO#04	3/29/2022	11:25	AMM	0.051	VCU
CSO#04	4/5/2022	13:48	AMM	0.068	VCU
CSO#04	4/12/2022	12:33	AMM	0.060	VCU
CSO#04	4/19/2022	14:09	AMM	0.027	VCU
CSO#04	4/26/2022	11:57	AMM	0.033	VCU
CSO#04	5/3/2022	14:13	AMM	0.042	VCU

CSO#04	5/10/2022	9:00	AMM	0.031	VCU
CSO#04	5/17/2022	13:31	AMM	0.049	VCU
CSO#04	5/25/2022	13:07	AMM	0.036	VCU
CSO#04	5/31/2022	13:02	AMM	0.037	VCU
CSO#04	6/7/2022	11:59	AMM	0.016	VCU
CSO#04	6/14/2022	15:00	AMM	0.041	VCU
CSO#04	6/21/2022	14:11	AMM	0.070	VCU
CSO#04	6/28/2022	13:24	AMM	0.022	VCU
CSO#04	7/5/2022	13:31	AMM	0.065	VCU
CSO#04	7/12/2022	12:41	AMM	0.038	VCU
CSO#04	7/19/2022	13:18	AMM	0.006	VCU
CSO#04	7/26/2022	12:48	AMM	0.074	VCU
CSO#04	8/2/2022	10:46	AMM	0.020	VCU
CSO#04	8/9/2022	12:52	AMM	0.001	VCU
CSO#04	8/16/2022	13:05	AMM	0.002	VCU
CSO#04	8/23/2022	12:41	AMM	0.002	VCU
CSO#04	8/30/2022	9:47	AMM	0.006	VCU
CSO#04	9/6/2022	12:31	AMM	0.024	VCU
CSO#04	9/13/2022	9:52	AMM	0.014	VCU
CSO#04	9/20/2022	12:35	AMM	0.119	VCU
CSO#04	9/27/2022	9:53	AMM	0.011	VCU
CSO#04	10/4/2022	12:23	AMM	0.040	VCU
CSO#04	10/11/2022	9:28	AMM	0.022	VCU
CSO#04	10/18/2022	15:11	AMM	0.026	VCU
CSO#04	10/25/2022	9:51	AMM	0.033	VCU
CSO#04	11/1/2022	12:42	AMM	0.059	VCU
CSO#04	11/9/2022	9:25	AMM	0.044	VCU
CSO#04	11/15/2022	13:15	AMM	0.041	VCU
CSO#04	11/22/2022	12:32	AMM	0.027	VCU
CSO#04	11/29/2022	12:17	AMM	0.018	VCU
CSO#04	12/6/2022	10:40	AMM	0.026	VCU
CSO#04	12/20/2022	14:00	AMM	0.028	VCU
CSO#04	12/13/2023	12:19	AMM	0.026	VCU
CSO#04	1/11/2022	12:41	COND	155.6	VCU
CSO#04	1/18/2022	12:31	COND	196.9	VCU
CSO#04	1/25/2022	12:57	COND	152.7	VCU
CSO#04	2/1/2022	13:59	COND	191.6	VCU
CSO#04	2/10/2022	14:10	COND	103.0	VCU
CSO#04	2/15/2022	13:34	COND	130.3	VCU
CSO#04	2/23/2022	11:56	COND	165.4	VCU
CSO#04	3/1/2022	12:24	COND	174.4	VCU
CSO#04	3/8/2022	13:45	COND	140.9	VCU
CSO#04	3/15/2022	12:54	COND	157.4	VCU
CSO#04	3/24/2022	13:59	COND	129.7	VCU
CSO#04	3/29/2022	11:25	COND	109.6	VCU
CSO#04	4/5/2022	13:48	COND	136.5	VCU
CSO#04	4/12/2022	12:33	COND	111.2	VCU

CSO#04	4/19/2022	14:09	COND	129.8	VCU
CSO#04	4/26/2022	11:57	COND	159.5	VCU
CSO#04	5/3/2022	14:13	COND	138.5	VCU
CSO#04	5/10/2022	9:00	COND	136.7	VCU
CSO#04	5/17/2022	13:31	COND	105.8	VCU
CSO#04	5/25/2022	13:07	COND	135.8	VCU
CSO#04	5/31/2022	13:02	COND	120.0	VCU
CSO#04	6/7/2022	11:59	COND	123.7	VCU
CSO#04	6/14/2022	15:00	COND	118.6	VCU
CSO#04	6/21/2022	14:11	COND	172.8	VCU
CSO#04	6/28/2022	13:24	COND	153.7	VCU
CSO#04	7/5/2022	13:31	COND	180.0	VCU
CSO#04	7/12/2022	12:41	COND	181.5	VCU
CSO#04	7/19/2022	13:18	COND	205.3	VCU
CSO#04	7/26/2022	12:48	COND	206.4	VCU
CSO#04	8/2/2022	10:46	COND	190.6	VCU
CSO#04	8/9/2022	12:52	COND	144.5	VCU
CSO#04	8/16/2022	13:05	COND	195.5	VCU
CSO#04	8/23/2022	12:41	COND	231.7	VCU
CSO#04	8/30/2022	9:47	COND	210.3	VCU
CSO#04	9/6/2022	12:31	COND	208.2	VCU
CSO#04	9/13/2022	9:52	COND	181.7	VCU
CSO#04	9/20/2022	12:35	COND	228.1	VCU
CSO#04	9/27/2022	9:53	COND	239.5	VCU
CSO#04	10/4/2022	12:23	COND	245.3	VCU
CSO#04	10/11/2022	9:28	COND	313.2	VCU
CSO#04	10/18/2022	15:11	COND	250.2	VCU
CSO#04	10/25/2022	9:51	COND	222.2	VCU
CSO#04	11/1/2022	12:42	COND	224.8	VCU
CSO#04	11/9/2022	9:25	COND	242.7	VCU
CSO#04	11/15/2022	13:15	COND	166.2	VCU
CSO#04	11/22/2022	12:32	COND	149.1	VCU
CSO#04	11/29/2022	12:17	COND	147.9	VCU
CSO#04	12/6/2022	10:40	COND	167.8	VCU
CSO#04	12/20/2022	14:00	COND	152.7	VCU
CSO#04	12/13/2023	12:19	COND	205.7	VCU
CSO#04	1/11/2022	12:41	DO	13.72	VCU
CSO#04	1/18/2022	12:31	DO	14.40	VCU
CSO#04	1/25/2022	12:57	DO	14.21	VCU
CSO#04	2/1/2022	13:59	DO	14.50	VCU
CSO#04	2/10/2022	14:10	DO	12.79	VCU
CSO#04	2/15/2022	13:34	DO	13.18	VCU
CSO#04	2/23/2022	11:56	DO	11.90	VCU
CSO#04	3/1/2022	12:24	DO	11.94	VCU
CSO#04	3/8/2022	13:45	DO	10.86	VCU
CSO#04	3/15/2022	12:54	DO	11.69	VCU
CSO#04	3/24/2022	13:59	DO	10.40	VCU

CSO#04	3/29/2022	11:25	DO	11.66	VCU
CSO#04	4/5/2022	13:48	DO	10.49	VCU
CSO#04	4/12/2022	12:33	DO	10.37	VCU
CSO#04	4/19/2022	14:09	DO	10.43	VCU
CSO#04	4/26/2022	11:57	DO	9.15	VCU
CSO#04	5/3/2022	14:13	DO	9.23	VCU
CSO#04	5/10/2022	9:00	DO	9.93	VCU
CSO#04	5/17/2022	13:31	DO	8.64	VCU
CSO#04	5/25/2022	13:07	DO	8.83	VCU
CSO#04	5/31/2022	13:02	DO	8.59	VCU
CSO#04	6/7/2022	11:59	DO	8.57	VCU
CSO#04	6/14/2022	15:00	DO	8.20	VCU
CSO#04	6/21/2022	14:11	DO	8.88	VCU
CSO#04	6/28/2022	13:24	DO	8.45	VCU
CSO#04	7/5/2022	13:31	DO	8.13	VCU
CSO#04	7/12/2022	12:41	DO	8.11	VCU
CSO#04	7/19/2022	13:18	DO	7.86	VCU
CSO#04	7/26/2022	12:48	DO	7.89	VCU
CSO#04	8/2/2022	10:46	DO	7.98	VCU
CSO#04	8/9/2022	12:52	DO	8.00	VCU
CSO#04	8/16/2022	13:05	DO	8.51	VCU
CSO#04	8/23/2022	12:41	DO	7.96	VCU
CSO#04	8/30/2022	9:47	DO	7.52	VCU
CSO#04	9/6/2022	12:31	DO	8.22	VCU
CSO#04	9/13/2022	9:52	DO	7.94	VCU
CSO#04	9/20/2022	12:35	DO	8.68	VCU
CSO#04	9/27/2022	9:53	DO	8.66	VCU
CSO#04	10/4/2022	12:23	DO	10.20	VCU
CSO#04	10/11/2022	9:28	DO	9.75	VCU
CSO#04	10/18/2022	15:11	DO	10.04	VCU
CSO#04	10/25/2022	9:51	DO	9.89	VCU
CSO#04	11/1/2022	12:42	DO	10.10	VCU
CSO#04	11/9/2022	9:25	DO	9.92	VCU
CSO#04	11/15/2022	13:15	DO	10.85	VCU
CSO#04	11/22/2022	12:32	DO	12.77	VCU
CSO#04	11/29/2022	12:17	DO	12.20	VCU
CSO#04	12/6/2022	10:40	DO	12.50	VCU
CSO#04	12/20/2022	14:00	DO	13.24	VCU
CSO#04	12/13/2023	12:19	DO	12.42	VCU
CSO#04	1/11/2022	12:41	DO_%	104.9	VCU
CSO#04	1/18/2022	12:31	DO_%	104.8	VCU
CSO#04	1/25/2022	12:57	DO_%	103.6	VCU
CSO#04	2/1/2022	13:59	DO_%	107.5	VCU
CSO#04	2/10/2022	14:10	DO_%	103.6	VCU
CSO#04	2/15/2022	13:34	DO_%	106.4	VCU
CSO#04	2/23/2022	11:56	DO_%	105.5	VCU
CSO#04	3/1/2022	12:24	DO_%	104.8	VCU

CSO#04	3/8/2022	13:45	DO_%	107.6	VCU
CSO#04	3/15/2022	12:54	DO_%	105.3	VCU
CSO#04	3/24/2022	13:59	DO_%	103.0	VCU
CSO#04	3/29/2022	11:25	DO_%	104.0	VCU
CSO#04	4/5/2022	13:48	DO_%	105.6	VCU
CSO#04	4/12/2022	12:33	DO_%	103.3	VCU
CSO#04	4/19/2022	14:09	DO_%	102.9	VCU
CSO#04	4/26/2022	11:57	DO_%	104.2	VCU
CSO#04	5/3/2022	14:13	DO_%	101.7	VCU
CSO#04	5/10/2022	9:00	DO_%	100.8	VCU
CSO#04	5/17/2022	13:31	DO_%	99.9	VCU
CSO#04	5/25/2022	13:07	DO_%	102.0	VCU
CSO#04	5/31/2022	13:02	DO_%	100.4	VCU
CSO#04	6/7/2022	11:59	DO_%	103.9	VCU
CSO#04	6/14/2022	15:00	DO_%	105.0	VCU
CSO#04	6/21/2022	14:11	DO_%	109.6	VCU
CSO#04	6/28/2022	13:24	DO_%	106.2	VCU
CSO#04	7/5/2022	13:31	DO_%	107.1	VCU
CSO#04	7/12/2022	12:41	DO_%	102.9	VCU
CSO#04	7/19/2022	13:18	DO_%	102.4	VCU
CSO#04	7/26/2022	12:48	DO_%	104.2	VCU
CSO#04	8/2/2022	10:46	DO_%	100.8	VCU
CSO#04	8/9/2022	12:52	DO_%	105.9	VCU
CSO#04	8/16/2022	13:05	DO_%	104.0	VCU
CSO#04	8/23/2022	12:41	DO_%	100.3	VCU
CSO#04	8/30/2022	9:47	DO_%	96.9	VCU
CSO#04	9/6/2022	12:31	DO_%	104.3	VCU
CSO#04	9/13/2022	9:52	DO_%	96.8	VCU
CSO#04	9/20/2022	12:35	DO_%	106.1	VCU
CSO#04	9/27/2022	9:53	DO_%	96.9	VCU
CSO#04	10/4/2022	12:23	DO_%	102.4	VCU
CSO#04	10/11/2022	9:28	DO_%	99.5	VCU
CSO#04	10/18/2022	15:11	DO_%	105.0	VCU
CSO#04	10/25/2022	9:51	DO_%	98.8	VCU
CSO#04	11/1/2022	12:42	DO_%	103.9	VCU
CSO#04	11/9/2022	9:25	DO_%	99.4	VCU
CSO#04	11/15/2022	13:15	DO_%	101.6	VCU
CSO#04	11/22/2022	12:32	DO_%	105.0	VCU
CSO#04	11/29/2022	12:17	DO_%	104.7	VCU
CSO#04	12/6/2022	10:40	DO_%	102.7	VCU
CSO#04	12/20/2022	14:00	DO_%	104.5	VCU
CSO#04	12/13/2023	12:19	DO_%	104.1	VCU
CSO#04	1/11/2022	12:41	ECOLI-MF	156	VCU
CSO#04	1/18/2022	12:31	ECOLI-MF	255	VCU
CSO#04	1/25/2022	12:57	ECOLI-MF	30	VCU
CSO#04	2/1/2022	13:59	ECOLI-MF	9	VCU
CSO#04	2/10/2022	14:10	ECOLI-MF	48	VCU

CSO#04	2/15/2022	13:34	ECOLI-MF	13	VCU
CSO#04	2/23/2022	11:56	ECOLI-MF	69	VCU
CSO#04	3/1/2022	12:24	ECOLI-MF	18	VCU
CSO#04	3/8/2022	13:45	ECOLI-MF	48	VCU
CSO#04	3/15/2022	12:54	ECOLI-MF	152	VCU
CSO#04	3/24/2022	13:59	ECOLI-MF	79	VCU
CSO#04	3/29/2022	11:25	ECOLI-MF	47	VCU
CSO#04	4/5/2022	13:48	ECOLI-MF	24	VCU
CSO#04	4/12/2022	12:33	ECOLI-MF	37	VCU
CSO#04	4/19/2022	14:09	ECOLI-MF	260	VCU
CSO#04	4/26/2022	11:57	ECOLI-MF	84	VCU
CSO#04	5/3/2022	14:13	ECOLI-MF	199	VCU
CSO#04	5/10/2022	9:00	ECOLI-MF	293	VCU
CSO#04	5/17/2022	13:31	ECOLI-MF	134	VCU
CSO#04	5/25/2022	13:07	ECOLI-MF	760	VCU
CSO#04	5/31/2022	13:02	ECOLI-MF	284	VCU
CSO#04	6/7/2022	11:59	ECOLI-MF	77	VCU
CSO#04	6/14/2022	15:00	ECOLI-MF	347	VCU
CSO#04	6/21/2022	14:11	ECOLI-MF	117	VCU
CSO#04	6/28/2022	13:24	ECOLI-MF	275	VCU
CSO#04	7/5/2022	13:31	ECOLI-MF	540	VCU
CSO#04	7/12/2022	12:41	ECOLI-MF	122	VCU
CSO#04	7/19/2022	13:18	ECOLI-MF	417	VCU
CSO#04	7/26/2022	12:48	ECOLI-MF	409	VCU
CSO#04	8/2/2022	10:46	ECOLI-MF	198	VCU
CSO#04	8/9/2022	12:52	ECOLI-MF	99	VCU
CSO#04	8/16/2022	13:05	ECOLI-MF	85	VCU
CSO#04	8/23/2022	12:41	ECOLI-MF	491	VCU
CSO#04	8/30/2022	9:47	ECOLI-MF	88	VCU
CSO#04	9/6/2022	12:31	ECOLI-MF	350	VCU
CSO#04	9/13/2022	9:52	ECOLI-MF	387	VCU
CSO#04	9/20/2022	12:35	ECOLI-MF	104	VCU
CSO#04	9/27/2022	9:53	ECOLI-MF	212	VCU
CSO#04	10/4/2022	12:23	ECOLI-MF	275	VCU
CSO#04	10/11/2022	9:28	ECOLI-MF	74	VCU
CSO#04	10/18/2022	15:11	ECOLI-MF	495	VCU
CSO#04	10/25/2022	9:51	ECOLI-MF	68	VCU
CSO#04	11/1/2022	12:42	ECOLI-MF	100	VCU
CSO#04	11/9/2022	9:25	ECOLI-MF	256	VCU
CSO#04	11/15/2022	13:15	ECOLI-MF	215	VCU
CSO#04	11/22/2022	12:32	ECOLI-MF	94	VCU
CSO#04	11/29/2022	12:17	ECOLI-MF	134	VCU
CSO#04	12/6/2022	10:40	ECOLI-MF	40	VCU
CSO#04	12/20/2022	14:00	ECOLI-MF	156	VCU
CSO#04	12/13/2023	12:19	ECOLI-MF	39	VCU
CSO#04	1/11/2022	12:41	PH_F	7.89	VCU
CSO#04	1/18/2022	12:31	PH_F	7.78	VCU

CSO#04	1/25/2022	12:57	PH_F	7.82	VCU
CSO#04	2/1/2022	13:59	PH_F	7.88	VCU
CSO#04	2/10/2022	14:10	PH_F	7.64	VCU
CSO#04	2/15/2022	13:34	PH_F	7.82	VCU
CSO#04	2/23/2022	11:56	PH_F	8.05	VCU
CSO#04	3/1/2022	12:24	PH_F	8.09	VCU
CSO#04	3/8/2022	13:45	PH_F	8.29	VCU
CSO#04	3/15/2022	12:54	PH_F	7.85	VCU
CSO#04	3/24/2022	13:59	PH_F	7.83	VCU
CSO#04	3/29/2022	11:25	PH_F	7.43	VCU
CSO#04	4/5/2022	13:48	PH_F	8.11	VCU
CSO#04	4/12/2022	12:33	PH_F	7.68	VCU
CSO#04	4/19/2022	14:09	PH_F	8.04	VCU
CSO#04	4/26/2022	11:57	PH_F	8.23	VCU
CSO#04	5/3/2022	14:13	PH_F	8.17	VCU
CSO#04	5/10/2022	9:00	PH_F	7.51	VCU
CSO#04	5/17/2022	13:31	PH_F	7.81	VCU
CSO#04	5/25/2022	13:07	PH_F	7.99	VCU
CSO#04	5/31/2022	13:02	PH_F	7.72	VCU
CSO#04	6/7/2022	11:59	PH_F	8.26	VCU
CSO#04	6/14/2022	15:00	PH_F	8.24	VCU
CSO#04	6/21/2022	14:11	PH_F	8.76	VCU
CSO#04	6/28/2022	13:24	PH_F	8.60	VCU
CSO#04	7/5/2022	13:31	PH_F	8.43	VCU
CSO#04	7/12/2022	12:41	PH_F	6.71	VCU
CSO#04	7/19/2022	13:18	PH_F	8.45	VCU
CSO#04	7/26/2022	12:48	PH_F	8.27	VCU
CSO#04	8/2/2022	10:46	PH_F	8.08	VCU
CSO#04	8/9/2022	12:52	PH_F	8.03	VCU
CSO#04	8/16/2022	13:05	PH_F	8.23	VCU
CSO#04	8/23/2022	12:41	PH_F	8.17	VCU
CSO#04	8/30/2022	9:47	PH_F	8.00	VCU
CSO#04	9/6/2022	12:31	PH_F	8.33	VCU
CSO#04	9/13/2022	9:52	PH_F	7.89	VCU
CSO#04	9/20/2022	12:35	PH_F	8.42	VCU
CSO#04	9/27/2022	9:53	PH_F	8.03	VCU
CSO#04	10/4/2022	12:23	PH_F	8.29	VCU
CSO#04	10/11/2022	9:28	PH_F	8.11	VCU
CSO#04	10/18/2022	15:11	PH_F	8.48	VCU
CSO#04	10/25/2022	9:51	PH_F	8.02	VCU
CSO#04	11/1/2022	12:42	PH_F	8.24	VCU
CSO#04	11/9/2022	9:25	PH_F	8.07	VCU
CSO#04	11/15/2022	13:15	PH_F	7.92	VCU
CSO#04	11/22/2022	12:32	PH_F	7.86	VCU
CSO#04	11/29/2022	12:17	PH_F	7.82	VCU
CSO#04	12/6/2022	10:40	PH_F	7.96	VCU
CSO#04	12/20/2022	14:00	PH_F	7.94	VCU

CSO#04	12/13/2023	12:19	PH_F	8.13	VCU
CSO#04	1/11/2022	12:41	PHOS_TOTAL	0.022	VCU
CSO#04	1/18/2022	12:31	PHOS_TOTAL	0.025	VCU
CSO#04	1/25/2022	12:57	PHOS_TOTAL	0.015	VCU
CSO#04	2/1/2022	13:59	PHOS_TOTAL	0.031	VCU
CSO#04	2/10/2022	14:10	PHOS_TOTAL	0.050	VCU
CSO#04	2/15/2022	13:34	PHOS_TOTAL	0.038	VCU
CSO#04	2/23/2022	11:56	PHOS_TOTAL	0.016	VCU
CSO#04	3/1/2022	12:24	PHOS_TOTAL	0.037	VCU
CSO#04	3/8/2022	13:45	PHOS_TOTAL	0.036	VCU
CSO#04	3/15/2022	12:54	PHOS_TOTAL	0.034	VCU
CSO#04	3/24/2022	13:59	PHOS_TOTAL	0.023	VCU
CSO#04	3/29/2022	11:25	PHOS_TOTAL	0.045	VCU
CSO#04	4/5/2022	13:48	PHOS_TOTAL	0.029	VCU
CSO#04	4/12/2022	12:33	PHOS_TOTAL	0.040	VCU
CSO#04	4/19/2022	14:09	PHOS_TOTAL	0.025	VCU
CSO#04	4/26/2022	11:57	PHOS_TOTAL	0.023	VCU
CSO#04	5/3/2022	14:13	PHOS_TOTAL	0.018	VCU
CSO#04	5/10/2022	9:00	PHOS_TOTAL	0.037	VCU
CSO#04	5/17/2022	13:31	PHOS_TOTAL	0.046	VCU
CSO#04	5/25/2022	13:07	PHOS_TOTAL	0.033	VCU
CSO#04	5/31/2022	13:02	PHOS_TOTAL	0.026	VCU
CSO#04	6/7/2022	11:59	PHOS_TOTAL	0.049	VCU
CSO#04	6/14/2022	15:00	PHOS_TOTAL	0.044	VCU
CSO#04	6/21/2022	14:11	PHOS_TOTAL	0.028	VCU
CSO#04	6/28/2022	13:24	PHOS_TOTAL	0.032	VCU
CSO#04	7/5/2022	13:31	PHOS_TOTAL	0.085	VCU
CSO#04	7/12/2022	12:41	PHOS_TOTAL	0.036	VCU
CSO#04	7/19/2022	13:18	PHOS_TOTAL	0.023	VCU
CSO#04	7/26/2022	12:48	PHOS_TOTAL	0.025	VCU
CSO#04	8/2/2022	10:46	PHOS_TOTAL	0.078	VCU
CSO#04	8/9/2022	12:52	PHOS_TOTAL	0.074	VCU
CSO#04	8/16/2022	13:05	PHOS_TOTAL	0.069	VCU
CSO#04	8/23/2022	12:41	PHOS_TOTAL	0.041	VCU
CSO#04	8/30/2022	9:47	PHOS_TOTAL	0.008	VCU
CSO#04	9/6/2022	12:31	PHOS_TOTAL	0.022	VCU
CSO#04	9/13/2022	9:52	PHOS_TOTAL	0.083	VCU
CSO#04	9/20/2022	12:35	PHOS_TOTAL	0.020	VCU
CSO#04	9/27/2022	9:53	PHOS_TOTAL	0.003	VCU
CSO#04	10/4/2022	12:23	PHOS_TOTAL	0.031	VCU
CSO#04	10/11/2022	9:28	PHOS_TOTAL	0.030	VCU
CSO#04	10/18/2022	15:11	PHOS_TOTAL	0.032	VCU
CSO#04	10/25/2022	9:51	PHOS_TOTAL	0.013	VCU
CSO#04	11/1/2022	12:42	PHOS_TOTAL	0.006	VCU
CSO#04	11/9/2022	9:25	PHOS_TOTAL	0.015	VCU
CSO#04	11/15/2022	13:15	PHOS_TOTAL	0.038	VCU
CSO#04	11/22/2022	12:32	PHOS_TOTAL	0.029	VCU

CSO#04	11/29/2022	12:17	PHOS_TOTAL	0.022	VCU
CSO#04	12/6/2022	10:40	PHOS_TOTAL	0.020	VCU
CSO#04	12/20/2022	14:00	PHOS_TOTAL	0.044	VCU
CSO#04	12/13/2023	12:19	PHOS_TOTAL	0.017	VCU
CSO#04	1/11/2022	12:41	T_NITROGEN	0.544	VCU
CSO#04	1/18/2022	12:31	T_NITROGEN	0.795	VCU
CSO#04	1/25/2022	12:57	T_NITROGEN	0.430	VCU
CSO#04	2/1/2022	13:59	T_NITROGEN	0.635	VCU
CSO#04	2/10/2022	14:10	T_NITROGEN	0.910	VCU
CSO#04	2/15/2022	13:34	T_NITROGEN	0.717	VCU
CSO#04	2/23/2022	11:56	T_NITROGEN	0.523	VCU
CSO#04	3/1/2022	12:24	T_NITROGEN	0.454	VCU
CSO#04	3/8/2022	13:45	T_NITROGEN	0.251	VCU
CSO#04	3/15/2022	12:54	T_NITROGEN	0.387	VCU
CSO#04	3/24/2022	13:59	T_NITROGEN	0.322	VCU
CSO#04	3/29/2022	11:25	T_NITROGEN	0.442	VCU
CSO#04	4/5/2022	13:48	T_NITROGEN	0.336	VCU
CSO#04	4/12/2022	12:33	T_NITROGEN	0.354	VCU
CSO#04	4/19/2022	14:09	T_NITROGEN	0.251	VCU
CSO#04	4/26/2022	11:57	T_NITROGEN	0.185	VCU
CSO#04	5/3/2022	14:13	T_NITROGEN	0.143	VCU
CSO#04	5/10/2022	9:00	T_NITROGEN	0.260	VCU
CSO#04	5/17/2022	13:31	T_NITROGEN	0.407	VCU
CSO#04	5/25/2022	13:07	T_NITROGEN	0.294	VCU
CSO#04	5/31/2022	13:02	T_NITROGEN	0.425	VCU
CSO#04	6/7/2022	11:59	T_NITROGEN	0.454	VCU
CSO#04	6/14/2022	15:00	T_NITROGEN	0.622	VCU
CSO#04	6/21/2022	14:11	T_NITROGEN	0.227	VCU
CSO#04	6/28/2022	13:24	T_NITROGEN	0.303	VCU
CSO#04	7/5/2022	13:31	T_NITROGEN	0.661	VCU
CSO#04	7/12/2022	12:41	T_NITROGEN	0.428	VCU
CSO#04	7/19/2022	13:18	T_NITROGEN	0.402	VCU
CSO#04	7/26/2022	12:48	T_NITROGEN	0.354	VCU
CSO#04	8/2/2022	10:46	T_NITROGEN	1.195	VCU
CSO#04	8/9/2022	12:52	T_NITROGEN	0.948	VCU
CSO#04	8/16/2022	13:05	T_NITROGEN	0.599	VCU
CSO#04	8/23/2022	12:41	T_NITROGEN	0.657	VCU
CSO#04	8/30/2022	9:47	T_NITROGEN	0.758	VCU
CSO#04	9/6/2022	12:31	T_NITROGEN	0.353	VCU
CSO#04	9/13/2022	9:52	T_NITROGEN	0.965	VCU
CSO#04	9/20/2022	12:35	T_NITROGEN	0.219	VCU
CSO#04	9/27/2022	9:53	T_NITROGEN	0.192	VCU
CSO#04	10/4/2022	12:23	T_NITROGEN	0.119	VCU
CSO#04	10/11/2022	9:28	T_NITROGEN	0.112	VCU
CSO#04	10/18/2022	15:11	T_NITROGEN	0.091	VCU
CSO#04	10/25/2022	9:51	T_NITROGEN	0.087	VCU
CSO#04	11/1/2022	12:42	T_NITROGEN	0.186	VCU

CSO#04	11/9/2022	9:25	T_NITROGEN	0.151	VCU
CSO#04	11/15/2022	13:15	T_NITROGEN	0.542	VCU
CSO#04	11/22/2022	12:32	T_NITROGEN	1.044	VCU
CSO#04	11/29/2022	12:17	T_NITROGEN	0.581	VCU
CSO#04	12/6/2022	10:40	T_NITROGEN	0.448	VCU
CSO#04	12/20/2022	14:00	T_NITROGEN	0.580	VCU
CSO#04	12/13/2023	12:19	T_NITROGEN	0.320	VCU
CSO#04	1/11/2022	12:41	TEMP_FIELD	4.1	VCU
CSO#04	1/18/2022	12:31	TEMP_FIELD	2.2	VCU
CSO#04	1/25/2022	12:57	TEMP_FIELD	2.3	VCU
CSO#04	2/1/2022	13:59	TEMP_FIELD	2.9	VCU
CSO#04	2/10/2022	14:10	TEMP_FIELD	6.3	VCU
CSO#04	2/15/2022	13:34	TEMP_FIELD	6.2	VCU
CSO#04	2/23/2022	11:56	TEMP_FIELD	9.9	VCU
CSO#04	3/1/2022	12:24	TEMP_FIELD	9.6	VCU
CSO#04	3/8/2022	13:45	TEMP_FIELD	17.9	VCU
CSO#04	3/15/2022	12:54	TEMP_FIELD	10.7	VCU
CSO#04	3/24/2022	13:59	TEMP_FIELD	14.9	VCU
CSO#04	3/29/2022	11:25	TEMP_FIELD	10.3	VCU
CSO#04	4/5/2022	13:48	TEMP_FIELD	15.7	VCU
CSO#04	4/12/2022	12:33	TEMP_FIELD	15.2	VCU
CSO#04	4/19/2022	14:09	TEMP_FIELD	14.7	VCU
CSO#04	4/26/2022	11:57	TEMP_FIELD	21.8	VCU
CSO#04	5/3/2022	14:13	TEMP_FIELD	20.1	VCU
CSO#04	5/10/2022	9:00	TEMP_FIELD	16.1	VCU
CSO#04	5/17/2022	13:31	TEMP_FIELD	22.6	VCU
CSO#04	5/25/2022	13:07	TEMP_FIELD	22.5	VCU
CSO#04	5/31/2022	13:02	TEMP_FIELD	23.1	VCU
CSO#04	6/7/2022	11:59	TEMP_FIELD	25.1	VCU
CSO#04	6/14/2022	15:00	TEMP_FIELD	28.1	VCU
CSO#04	6/21/2022	14:11	TEMP_FIELD	26.0	VCU
CSO#04	6/28/2022	13:24	TEMP_FIELD	27.0	VCU
CSO#04	7/5/2022	13:31	TEMP_FIELD	29.7	VCU
CSO#04	7/12/2022	12:41	TEMP_FIELD	27.6	VCU
CSO#04	7/19/2022	13:18	TEMP_FIELD	29.1	VCU
CSO#04	7/26/2022	12:48	TEMP_FIELD	29.8	VCU
CSO#04	8/2/2022	10:46	TEMP_FIELD	27.4	VCU
CSO#04	8/9/2022	12:52	TEMP_FIELD	30.0	VCU
CSO#04	8/16/2022	13:05	TEMP_FIELD	25.5	VCU
CSO#04	8/23/2022	12:41	TEMP_FIELD	27.2	VCU
CSO#04	8/30/2022	9:47	TEMP_FIELD	28.4	VCU
CSO#04	9/6/2022	12:31	TEMP_FIELD	27.6	VCU
CSO#04	9/13/2022	9:52	TEMP_FIELD	25.3	VCU
CSO#04	9/20/2022	12:35	TEMP_FIELD	25.5	VCU
CSO#04	9/27/2022	9:53	TEMP_FIELD	20.8	VCU
CSO#04	10/4/2022	12:23	TEMP_FIELD	15.6	VCU
CSO#04	10/11/2022	9:28	TEMP_FIELD	16.3	VCU

CSO#04	10/18/2022	15:11	TEMP_FIELD	17.5	VCU
CSO#04	10/25/2022	9:51	TEMP_FIELD	15.3	VCU
CSO#04	11/1/2022	12:42	TEMP_FIELD	16.7	VCU
CSO#04	11/9/2022	9:25	TEMP_FIELD	15.5	VCU
CSO#04	11/15/2022	13:15	TEMP_FIELD	12.4	VCU
CSO#04	11/22/2022	12:32	TEMP_FIELD	6.9	VCU
CSO#04	11/29/2022	12:17	TEMP_FIELD	8.6	VCU
CSO#04	12/6/2022	10:40	TEMP_FIELD	6.9	VCU
CSO#04	12/20/2022	14:00	TEMP_FIELD	5.3	VCU
CSO#04	12/13/2023	12:19	TEMP_FIELD	7.7	VCU
CSO#04	1/11/2022	12:41	TSS	7.67	VCU
CSO#04	1/18/2022	12:31	TSS	8.56	VCU
CSO#04	1/25/2022	12:57	TSS	4.94	VCU
CSO#04	2/1/2022	13:59	TSS	2.77	VCU
CSO#04	2/10/2022	14:10	TSS	18.47	VCU
CSO#04	2/15/2022	13:34	TSS	4.16	VCU
CSO#04	2/23/2022	11:56	TSS	2.58	VCU
CSO#04	3/1/2022	12:24	TSS	5.10	VCU
CSO#04	3/8/2022	13:45	TSS	2.22	VCU
CSO#04	3/15/2022	12:54	TSS	6.85	VCU
CSO#04	3/24/2022	13:59	TSS	5.85	VCU
CSO#04	3/29/2022	11:25	TSS	8.53	VCU
CSO#04	4/5/2022	13:48	TSS	4.66	VCU
CSO#04	4/12/2022	12:33	TSS	15.82	VCU
CSO#04	4/19/2022	14:09	TSS	4.96	VCU
CSO#04	4/26/2022	11:57	TSS	4.47	VCU
CSO#04	5/3/2022	14:13	TSS	2.57	VCU
CSO#04	5/10/2022	9:00	TSS	7.18	VCU
CSO#04	5/17/2022	13:31	TSS	8.63	VCU
CSO#04	5/25/2022	13:07	TSS	3.93	VCU
CSO#04	5/31/2022	13:02	TSS	10.65	VCU
CSO#04	6/7/2022	11:59	TSS	5.35	VCU
CSO#04	6/14/2022	15:00	TSS	7.14	VCU
CSO#04	6/21/2022	14:11	TSS	2.44	VCU
CSO#04	6/28/2022	13:24	TSS	4.22	VCU
CSO#04	7/5/2022	13:31	TSS	2.71	VCU
CSO#04	7/12/2022	12:41	TSS	4.16	VCU
CSO#04	7/19/2022	13:18	TSS	4.76	VCU
CSO#04	7/26/2022	12:48	TSS	4.36	VCU
CSO#04	8/2/2022	10:46	TSS	5.91	VCU
CSO#04	8/9/2022	12:52	TSS	5.03	VCU
CSO#04	8/16/2022	13:05	TSS	4.48	VCU
CSO#04	8/23/2022	12:41	TSS	8.35	VCU
CSO#04	8/30/2022	9:47	TSS	3.68	VCU
CSO#04	9/6/2022	12:31	TSS	3.08	VCU
CSO#04	9/13/2022	9:52	TSS	5.09	VCU
CSO#04	9/20/2022	12:35	TSS	2.19	VCU

CSO#04	9/27/2022	9:53	TSS	1.74	VCU
CSO#04	10/4/2022	12:23	TSS	4.28	VCU
CSO#04	10/11/2022	9:28	TSS	1.38	VCU
CSO#04	10/18/2022	15:11	TSS	2.01	VCU
CSO#04	10/25/2022	9:51	TSS	1.48	VCU
CSO#04	11/1/2022	12:42	TSS	1.21	VCU
CSO#04	11/9/2022	9:25	TSS	1.94	VCU
CSO#04	11/15/2022	13:15	TSS	1.21	VCU
CSO#04	11/22/2022	12:32	TSS	3.30	VCU
CSO#04	11/29/2022	12:17	TSS	3.57	VCU
CSO#04	12/6/2022	10:40	TSS	2.93	VCU
CSO#04	12/20/2022	14:00	TSS	9.92	VCU
CSO#04	12/13/2023	12:19	TSS	6.43	VCU
CSO#04	1/11/2022	12:41	TURB	4.48	VCU
CSO#04	1/18/2022	12:31	TURB	2.87	VCU
CSO#04	1/25/2022	12:57	TURB	5.23	VCU
CSO#04	2/1/2022	13:59	TURB	0.78	VCU
CSO#04	2/10/2022	14:10	TURB	9.52	VCU
CSO#04	2/15/2022	13:34	TURB	6.57	VCU
CSO#04	2/23/2022	11:56	TURB	2.53	VCU
CSO#04	3/1/2022	12:24	TURB	3.42	VCU
CSO#04	3/8/2022	13:45	TURB	1.22	VCU
CSO#04	3/15/2022	12:54	TURB	114.30	VCU
CSO#04	3/24/2022	13:59	TURB	3.58	VCU
CSO#04	3/29/2022	11:25	TURB	14.40	VCU
CSO#04	4/5/2022	13:48	TURB	2.80	VCU
CSO#04	4/12/2022	12:33	TURB	13.30	VCU
CSO#04	4/19/2022	14:09	TURB	3.80	VCU
CSO#04	4/26/2022	11:57	TURB	4.35	VCU
CSO#04	5/3/2022	14:13	TURB	2.46	VCU
CSO#04	5/10/2022	9:00	TURB	8.06	VCU
CSO#04	5/17/2022	13:31	TURB	13.80	VCU
CSO#04	5/25/2022	13:07	TURB	4.42	VCU
CSO#04	5/31/2022	13:02	TURB	14.70	VCU
CSO#04	6/7/2022	11:59	TURB	1.52	VCU
CSO#04	6/14/2022	15:00	TURB	14.20	VCU
CSO#04	6/21/2022	14:11	TURB	1.66	VCU
CSO#04	6/28/2022	13:24	TURB	3.72	VCU
CSO#04	7/5/2022	13:31	TURB	1.1.06	VCU
CSO#04	7/12/2022	12:41	TURB	2.27	VCU
CSO#04	7/19/2022	13:18	TURB	3.37	VCU
CSO#04	7/26/2022	12:48	TURB	2.25	VCU
CSO#04	8/2/2022	10:46	TURB	5.72	VCU
CSO#04	8/9/2022	12:52	TURB	4.26	VCU
CSO#04	8/16/2022	13:05	TURB	2.49	VCU
CSO#04	8/23/2022	12:41	TURB	17.70	VCU
CSO#04	8/30/2022	9:47	TURB	4.65	VCU

CSO#04	9/6/2022	12:31	TURB	1.64	VCU
CSO#04	9/13/2022	9:52	TURB	4.84	VCU
CSO#04	9/20/2022	12:35	TURB	1.60	VCU
CSO#04	9/27/2022	9:53	TURB	2.95	VCU
CSO#04	10/4/2022	12:23	TURB	2.23	VCU
CSO#04	10/11/2022	9:28	TURB	1.11	VCU
CSO#04	10/18/2022	15:11	TURB	1.03	VCU
CSO#04	10/25/2022	9:51	TURB	0.85	VCU
CSO#04	11/1/2022	12:42	TURB	1.62	VCU
CSO#04	11/9/2022	9:25	TURB	0.82	VCU
CSO#04	11/15/2022	13:15	TURB	22.10	VCU
CSO#04	11/22/2022	12:32	TURB	2.54	VCU
CSO#04	11/29/2022	12:17	TURB	4.35	VCU
CSO#04	12/6/2022	10:40	TURB	1.45	VCU
CSO#04	12/20/2022	14:00	TURB	12.20	VCU
CSO#04	12/13/2023	12:19	TURB	2.24	VCU
Gillies	1/6/2022	15:00	AMM	0.068	VCU
Gillies	1/20/2022	11:02	AMM	0.080	VCU
Gillies	2/3/2022	14:00	AMM	0.207	VCU
Gillies	2/17/2022	12:05	AMM	0.099	VCU
Gillies	3/3/2022	12:11	AMM	0.016	VCU
Gillies	3/17/2022	10:48	AMM	0.034	VCU
Gillies	3/31/2022	11:01	AMM	0.018	VCU
Gillies	4/14/2022	12:38	AMM	0.027	VCU
Gillies	4/28/2022	11:33	AMM	0.025	VCU
Gillies	5/12/2022	11:37	AMM	0.033	VCU
Gillies	5/26/2022	11:03	AMM	0.038	VCU
Gillies	6/9/2022	11:26	AMM	0.031	VCU
Gillies	6/23/2022	10:46	AMM	0.018	VCU
Gillies	7/7/2022	11:44	AMM	0.000	VCU
Gillies	7/21/2022	11:18	AMM	0.024	VCU
Gillies	8/4/2022	11:59	AMM	0.023	VCU
Gillies	8/18/2022	10:40	AMM	0.001	VCU
Gillies	9/1/2022	12:35	AMM	0.034	VCU
Gillies	9/15/2022	11:10	AMM	0.025	VCU
Gillies	9/29/2022	10:43	AMM	0.030	VCU
Gillies	10/13/2022	10:42	AMM	0.041	VCU
Gillies	10/27/2022	11:21	AMM	0.028	VCU
Gillies	11/3/2022	11:46	AMM	0.049	VCU
Gillies	11/17/2022	11:43	AMM	0.037	VCU
Gillies	12/1/2022	11:10	AMM	0.116	VCU
Gillies	12/14/2022	12:29	AMM	0.030	VCU
Gillies	1/6/2022	15:00	COND	224.1	VCU
Gillies	1/20/2022	11:02	COND	228.9	VCU
Gillies	2/3/2022	14:00	COND	233.6	VCU
Gillies	2/17/2022	12:05	COND	213.5	VCU
Gillies	3/3/2022	12:11	COND	201.0	VCU

Gillies	3/17/2022	10:48	COND	187.8	VCU
Gillies	3/31/2022	11:01	COND	185.3	VCU
Gillies	4/14/2022	12:38	COND	177.7	VCU
Gillies	4/28/2022	11:33	COND	159.1	VCU
Gillies	5/12/2022	11:37	COND	165.5	VCU
Gillies	5/26/2022	11:03	COND	134.9	VCU
Gillies	6/9/2022	11:26	COND	161.0	VCU
Gillies	6/23/2022	10:46	COND	87.4	VCU
Gillies	7/7/2022	11:44	COND	155.5	VCU
Gillies	7/21/2022	11:18	COND	162.6	VCU
Gillies	8/4/2022	11:59	COND	137.8	VCU
Gillies	8/18/2022	10:40	COND	142.6	VCU
Gillies	9/1/2022	12:35	COND	206.7	VCU
Gillies	9/15/2022	11:10	COND	181.0	VCU
Gillies	9/29/2022	10:43	COND	183.2	VCU
Gillies	10/13/2022	10:42	COND	187.4	VCU
Gillies	10/27/2022	11:21	COND	187.2	VCU
Gillies	11/3/2022	11:46	COND	192.7	VCU
Gillies	11/17/2022	11:43	COND	123.7	VCU
Gillies	12/1/2022	11:10	COND	116.4	VCU
Gillies	12/14/2022	12:29	COND	174.9	VCU
Gillies	1/6/2022	15:00	DISCHARGE	0.176	VCU
Gillies	1/20/2022	11:02	DISCHARGE	0.272	VCU
Gillies	2/3/2022	14:00	DISCHARGE	0.140	VCU
Gillies	2/17/2022	12:05	DISCHARGE	0.111	VCU
Gillies	3/3/2022	12:11	DISCHARGE	0.105	VCU
Gillies	3/17/2022	10:48	DISCHARGE	0.237	VCU
Gillies	3/31/2022	11:01	DISCHARGE	0.105	VCU
Gillies	4/14/2022	12:38	DISCHARGE	0.081	VCU
Gillies	4/28/2022	11:33	DISCHARGE	0.097	VCU
Gillies	5/12/2022	11:37	DISCHARGE	0.021	VCU
Gillies	5/26/2022	11:03	DISCHARGE	0.131	VCU
Gillies	6/9/2022	11:26	DISCHARGE	0.064	VCU
Gillies	6/23/2022	10:46	DISCHARGE	1.170	VCU
Gillies	7/7/2022	11:44	DISCHARGE	0.0621	VCU
Gillies	7/21/2022	11:18	DISCHARGE	0.045	VCU
Gillies	8/4/2022	11:59	DISCHARGE	0.031	VCU
Gillies	8/18/2022	10:40	DISCHARGE	0.044	VCU
Gillies	9/1/2022	12:35	DISCHARGE	0.062	VCU
Gillies	9/15/2022	11:10	DISCHARGE	0.027	VCU
Gillies	9/29/2022	10:43	DISCHARGE	0.050	VCU
Gillies	10/13/2022	10:42	DISCHARGE	0.035	VCU
Gillies	10/27/2022	11:21	DISCHARGE	0.028	VCU
Gillies	11/3/2022	11:46	DISCHARGE	0.051	VCU
Gillies	11/17/2022	11:43	DISCHARGE	0.160	VCU
Gillies	12/1/2022	11:10	DISCHARGE	0.220	VCU
Gillies	12/14/2022	12:29	DISCHARGE	0.080	VCU

Gillies	1/6/2022	15:00	DO	11.43	VCU
Gillies	1/20/2022	11:02	DO	12.15	VCU
Gillies	2/3/2022	14:00	DO	12.02	VCU
Gillies	2/17/2022	12:05	DO	12.05	VCU
Gillies	3/3/2022	12:11	DO	12.65	VCU
Gillies	3/17/2022	10:48	DO	10.35	VCU
Gillies	3/31/2022	11:01	DO	11.16	VCU
Gillies	4/14/2022	12:38	DO	9.44	VCU
Gillies	4/28/2022	11:33	DO	9.72	VCU
Gillies	5/12/2022	11:37	DO	9.16	VCU
Gillies	5/26/2022	11:03	DO	8.80	VCU
Gillies	6/9/2022	11:26	DO	7.68	VCU
Gillies	6/23/2022	10:46	DO	7.93	VCU
Gillies	7/7/2022	11:44	DO	7.65	VCU
Gillies	7/21/2022	11:18	DO	7.07	VCU
Gillies	8/4/2022	11:59	DO	7.06	VCU
Gillies	8/18/2022	10:40	DO	8.08	VCU
Gillies	9/1/2022	12:35	DO	8.08	VCU
Gillies	9/15/2022	11:10	DO	7.63	VCU
Gillies	9/29/2022	10:43	DO	8.74	VCU
Gillies	10/13/2022	10:42	DO	8.58	VCU
Gillies	10/27/2022	11:21	DO	9.07	VCU
Gillies	11/3/2022	11:46	DO	9.13	VCU
Gillies	11/17/2022	11:43	DO	10.92	VCU
Gillies	12/1/2022	11:10	DO	11.54	VCU
Gillies	12/14/2022	12:29	DO	13.38	VCU
Gillies	1/6/2022	15:00	DO_%	97.0	VCU
Gillies	1/20/2022	11:02	DO_%	96.9	VCU
Gillies	2/3/2022	14:00	DO_%	98.6	VCU
Gillies	2/17/2022	12:05	DO_%	105.0	VCU
Gillies	3/3/2022	12:11	DO_%	113.6	VCU
Gillies	3/17/2022	10:48	DO_%	97.1	VCU
Gillies	3/31/2022	11:01	DO_%	105.1	VCU
Gillies	4/14/2022	12:38	DO_%	102.9	VCU
Gillies	4/28/2022	11:33	DO_%	93.8	VCU
Gillies	5/12/2022	11:37	DO_%	91.3	VCU
Gillies	5/26/2022	11:03	DO_%	92.0	VCU
Gillies	6/9/2022	11:26	DO_%	89.0	VCU
Gillies	6/23/2022	10:46	DO_%	91.7	VCU
Gillies	7/7/2022	11:44	DO_%	91.7	VCU
Gillies	7/21/2022	11:18	DO_%	86.3	VCU
Gillies	8/4/2022	11:59	DO_%	85.9	VCU
Gillies	8/18/2022	10:40	DO_%	90.2	VCU
Gillies	9/1/2022	12:35	DO_%	93.6	VCU
Gillies	9/15/2022	11:10	DO_%	84.5	VCU
Gillies	9/29/2022	10:43	DO_%	88.0	VCU
Gillies	10/13/2022	10:42	DO_%	85.8	VCU

Gillies	10/27/2022	11:21	DO_%	88.1	VCU
Gillies	11/3/2022	11:46	DO_%	90.0	VCU
Gillies	11/17/2022	11:43	DO_%	95.6	VCU
Gillies	12/1/2022	11:10	DO_%	97.9	VCU
Gillies	12/14/2022	12:29	DO_%	106.4	VCU
Gillies	1/6/2022	15:00	ECOLI-MF	141	VCU
Gillies	1/20/2022	11:02	ECOLI-MF	32	VCU
Gillies	2/3/2022	14:00	ECOLI-MF	31	VCU
Gillies	2/17/2022	12:05	ECOLI-MF	11	VCU
Gillies	3/3/2022	12:11	ECOLI-MF	15	VCU
Gillies	3/17/2022	10:48	ECOLI-MF	36	VCU
Gillies	3/31/2022	11:01	ECOLI-MF	57	VCU
Gillies	4/14/2022	12:38	ECOLI-MF	53	VCU
Gillies	4/28/2022	11:33	ECOLI-MF	117	VCU
Gillies	5/12/2022	11:37	ECOLI-MF	68	VCU
Gillies	5/26/2022	11:03	ECOLI-MF	349	VCU
Gillies	6/9/2022	11:26	ECOLI-MF	163	VCU
Gillies	6/23/2022	10:46	ECOLI-MF	1460	VCU
Gillies	7/7/2022	11:44	ECOLI-MF	79	VCU
Gillies	7/21/2022	11:18	ECOLI-MF	115	VCU
Gillies	8/4/2022	11:59	ECOLI-MF	135	VCU
Gillies	8/18/2022	10:40	ECOLI-MF	112	VCU
Gillies	9/1/2022	12:35	ECOLI-MF	106	VCU
Gillies	9/15/2022	11:10	ECOLI-MF	97	VCU
Gillies	9/29/2022	10:43	ECOLI-MF	60	VCU
Gillies	10/13/2022	10:42	ECOLI-MF	65	VCU
Gillies	10/27/2022	11:21	ECOLI-MF	212	VCU
Gillies	11/3/2022	11:46	ECOLI-MF	27	VCU
Gillies	11/17/2022	11:43	ECOLI-MF	196	VCU
Gillies	12/1/2022	11:10	ECOLI-MF	2440	VCU
Gillies	12/14/2022	12:29	ECOLI-MF	42	VCU
Gillies	1/6/2022	15:00	PH_F	7.22	VCU
Gillies	1/20/2022	11:02	PH_F	7.11	VCU
Gillies	2/3/2022	14:00	PH_F	7.17	VCU
Gillies	2/17/2022	12:05	PH_F	7.35	VCU
Gillies	3/3/2022	12:11	PH_F	7.33	VCU
Gillies	3/17/2022	10:48	PH_F	6.82	VCU
Gillies	3/31/2022	11:01	PH_F	7.22	VCU
Gillies	4/14/2022	12:38	PH_F	7.31	VCU
Gillies	4/28/2022	11:33	PH_F	7.16	VCU
Gillies	5/12/2022	11:37	PH_F	7.07	VCU
Gillies	5/26/2022	11:03	PH_F	7.11	VCU
Gillies	6/9/2022	11:26	PH_F	7.11	VCU
Gillies	6/23/2022	10:46	PH_F	7.01	VCU
Gillies	7/7/2022	11:44	PH_F	7.09	VCU
Gillies	7/21/2022	11:18	PH_F	7.02	VCU
Gillies	8/4/2022	11:59	PH_F	6.98	VCU

Gillies	8/18/2022	10:40	PH_F	6.90	VCU
Gillies	9/1/2022	12:35	PH_F	7.21	VCU
Gillies	9/15/2022	11:10	PH_F	7.06	VCU
Gillies	9/29/2022	10:43	PH_F	7.17	VCU
Gillies	10/13/2022	10:42	PH_F	7.19	VCU
Gillies	10/27/2022	11:21	PH_F	7.21	VCU
Gillies	11/3/2022	11:46	PH_F	7.22	VCU
Gillies	11/17/2022	11:43	PH_F	7.38	VCU
Gillies	12/1/2022	11:10	PH_F	7.48	VCU
Gillies	12/14/2022	12:29	PH_F	7.50	VCU
Gillies	1/6/2022	15:00	PHOS_TOTAL	0.028	VCU
Gillies	1/20/2022	11:02	PHOS_TOTAL	0.024	VCU
Gillies	2/3/2022	14:00	PHOS_TOTAL	0.037	VCU
Gillies	2/17/2022	12:05	PHOS_TOTAL	0.026	VCU
Gillies	3/3/2022	12:11	PHOS_TOTAL	0.022	VCU
Gillies	3/17/2022	10:48	PHOS_TOTAL	0.027	VCU
Gillies	3/31/2022	11:01	PHOS_TOTAL	0.027	VCU
Gillies	4/14/2022	12:38	PHOS_TOTAL	0.034	VCU
Gillies	4/28/2022	11:33	PHOS_TOTAL	0.020	VCU
Gillies	5/12/2022	11:37	PHOS_TOTAL	0.022	VCU
Gillies	5/26/2022	11:03	PHOS_TOTAL	0.035	VCU
Gillies	6/9/2022	11:26	PHOS_TOTAL	0.017	VCU
Gillies	6/23/2022	10:46	PHOS_TOTAL	0.055	VCU
Gillies	7/7/2022	11:44	PHOS_TOTAL	0.046	VCU
Gillies	7/21/2022	11:18	PHOS_TOTAL	0.024	VCU
Gillies	8/4/2022	11:59	PHOS_TOTAL	0.043	VCU
Gillies	8/18/2022	10:40	PHOS_TOTAL	0.043	VCU
Gillies	9/1/2022	12:35	PHOS_TOTAL	0.045	VCU
Gillies	9/15/2022	11:10	PHOS_TOTAL	0.043	VCU
Gillies	9/29/2022	10:43	PHOS_TOTAL	0.050	VCU
Gillies	10/13/2022	10:42	PHOS_TOTAL	0.031	VCU
Gillies	10/27/2022	11:21	PHOS_TOTAL	0.045	VCU
Gillies	11/3/2022	11:46	PHOS_TOTAL	0.020	VCU
Gillies	11/17/2022	11:43	PHOS_TOTAL	0.027	VCU
Gillies	12/1/2022	11:10	PHOS_TOTAL	0.020	VCU
Gillies	12/14/2022	12:29	PHOS_TOTAL	0.034	VCU
Gillies	1/6/2022	15:00	T_NITROGEN	1.157	VCU
Gillies	1/20/2022	11:02	T_NITROGEN	1.134	VCU
Gillies	2/3/2022	14:00	T_NITROGEN	1.477	VCU
Gillies	2/17/2022	12:05	T_NITROGEN	1.184	VCU
Gillies	3/3/2022	12:11	T_NITROGEN	0.993	VCU
Gillies	3/17/2022	10:48	T_NITROGEN	0.859	VCU
Gillies	3/31/2022	11:01	T_NITROGEN	0.920	VCU
Gillies	4/14/2022	12:38	T_NITROGEN	0.713	VCU
Gillies	4/28/2022	11:33	T_NITROGEN	0.629	VCU
Gillies	5/12/2022	11:37	T_NITROGEN	0.898	VCU
Gillies	5/26/2022	11:03	T_NITROGEN	0.679	VCU

Gillies	6/9/2022	11:26	T_NITROGEN	0.951	VCU
Gillies	6/23/2022	10:46	T_NITROGEN	0.718	VCU
Gillies	7/7/2022	11:44	T_NITROGEN	0.952	VCU
Gillies	7/21/2022	11:18	T_NITROGEN	1.396	VCU
Gillies	8/4/2022	11:59	T_NITROGEN	1.454	VCU
Gillies	8/18/2022	10:40	T_NITROGEN	1.246	VCU
Gillies	9/1/2022	12:35	T_NITROGEN	1.034	VCU
Gillies	9/15/2022	11:10	T_NITROGEN	0.892	VCU
Gillies	9/29/2022	10:43	T_NITROGEN	0.858	VCU
Gillies	10/13/2022	10:42	T_NITROGEN	0.787	VCU
Gillies	10/27/2022	11:21	T_NITROGEN	0.625	VCU
Gillies	11/3/2022	11:46	T_NITROGEN	0.812	VCU
Gillies	11/17/2022	11:43	T_NITROGEN	0.702	VCU
Gillies	12/1/2022	11:10	T_NITROGEN	0.555	VCU
Gillies	12/14/2022	12:29	T_NITROGEN	1.124	VCU
Gillies	1/6/2022	15:00	TEMP_FIELD	8.2	VCU
Gillies	1/20/2022	11:02	TEMP_FIELD	5.7	VCU
Gillies	2/3/2022	14:00	TEMP_FIELD	6.8	VCU
Gillies	2/17/2022	12:05	TEMP_FIELD	9.3	VCU
Gillies	3/3/2022	12:11	TEMP_FIELD	10.6	VCU
Gillies	3/17/2022	10:48	TEMP_FIELD	12.5	VCU
Gillies	3/31/2022	11:01	TEMP_FIELD	12.6	VCU
Gillies	4/14/2022	12:38	TEMP_FIELD	19.6	VCU
Gillies	4/28/2022	11:33	TEMP_FIELD	13.7	VCU
Gillies	5/12/2022	11:37	TEMP_FIELD	15.2	VCU
Gillies	5/26/2022	11:03	TEMP_FIELD	17.5	VCU
Gillies	6/9/2022	11:26	TEMP_FIELD	22.6	VCU
Gillies	6/23/2022	10:46	TEMP_FIELD	22.7	VCU
Gillies	7/7/2022	11:44	TEMP_FIELD	24.3	VCU
Gillies	7/21/2022	11:18	TEMP_FIELD	25.4	VCU
Gillies	8/4/2022	11:59	TEMP_FIELD	25.3	VCU
Gillies	8/18/2022	10:40	TEMP_FIELD	20.7	VCU
Gillies	9/1/2022	12:35	TEMP_FIELD	22.6	VCU
Gillies	9/15/2022	11:10	TEMP_FIELD	20.3	VCU
Gillies	9/29/2022	10:43	TEMP_FIELD	15.7	VCU
Gillies	10/13/2022	10:42	TEMP_FIELD	15.4	VCU
Gillies	10/27/2022	11:21	TEMP_FIELD	14.0	VCU
Gillies	11/3/2022	11:46	TEMP_FIELD	14.7	VCU
Gillies	11/17/2022	11:43	TEMP_FIELD	9.5	VCU
Gillies	12/1/2022	11:10	TEMP_FIELD	8.2	VCU
Gillies	12/14/2022	12:29	TEMP_FIELD	5.4	VCU
Gillies	1/6/2022	15:00	TSS	3.98	VCU
Gillies	1/20/2022	11:02	TSS	3.18	VCU
Gillies	2/3/2022	14:00	TSS	4.72	VCU
Gillies	2/17/2022	12:05	TSS	1.28	VCU
Gillies	3/3/2022	12:11	TSS	1.34	VCU
Gillies	3/17/2022	10:48	TSS	2.75	VCU

Gillies	3/31/2022	11:01	TSS	1.62	VCU
Gillies	4/14/2022	12:38	TSS	1.29	VCU
Gillies	4/28/2022	11:33	TSS	1.57	VCU
Gillies	5/12/2022	11:37	TSS	1.27	VCU
Gillies	5/26/2022	11:03	TSS	3.11	VCU
Gillies	6/9/2022	11:26	TSS	1.41	VCU
Gillies	6/23/2022	10:46	TSS	19.35	VCU
Gillies	7/7/2022	11:44	TSS	0.33	VCU
Gillies	7/21/2022	11:18	TSS	1.52	VCU
Gillies	8/4/2022	11:59	TSS	1.37	VCU
Gillies	8/18/2022	10:40	TSS	0.26	VCU
Gillies	9/1/2022	12:35	TSS	0.82	VCU
Gillies	9/15/2022	11:10	TSS	3.65	VCU
Gillies	9/29/2022	10:43	TSS	1.04	VCU
Gillies	10/13/2022	10:42	TSS	0.72	VCU
Gillies	10/27/2022	11:21	TSS	0.35	VCU
Gillies	11/3/2022	11:46	TSS	0.42	VCU
Gillies	11/17/2022	11:43	TSS	5.83	VCU
Gillies	12/1/2022	11:10	TSS	3.98	VCU
Gillies	12/14/2022	12:29	TSS	0.96	VCU
Gillies	1/6/2022	15:00	TURB	5.67	VCU
Gillies	1/20/2022	11:02	TURB	4.77	VCU
Gillies	2/3/2022	14:00	TURB	2.72	VCU
Gillies	2/17/2022	12:05	TURB	1.59	VCU
Gillies	3/3/2022	12:11	TURB	5.43	VCU
Gillies	3/17/2022	10:48	TURB	3.56	VCU
Gillies	3/31/2022	11:01	TURB	4.34	VCU
Gillies	4/14/2022	12:38	TURB	1.76	VCU
Gillies	4/28/2022	11:33	TURB	3.64	VCU
Gillies	5/12/2022	11:37	TURB	2.42	VCU
Gillies	5/26/2022	11:03	TURB	3.49	VCU
Gillies	6/9/2022	11:26	TURB	3.16	VCU
Gillies	6/23/2022	10:46	TURB	18.90	VCU
Gillies	7/7/2022	11:44	TURB	1.42	VCU
Gillies	7/21/2022	11:18	TURB	2.29	VCU
Gillies	8/4/2022	11:59	TURB	0.63	VCU
Gillies	8/18/2022	10:40	TURB	1.31	VCU
Gillies	9/1/2022	12:35	TURB	2.48	VCU
Gillies	9/15/2022	11:10	TURB	10.40	VCU
Gillies	9/29/2022	10:43	TURB	2.09	VCU
Gillies	10/13/2022	10:42	TURB	2.85	VCU
Gillies	10/27/2022	11:21	TURB	1.09	VCU
Gillies	11/3/2022	11:46	TURB	0.78	VCU
Gillies	11/17/2022	11:43	TURB	4.06	VCU
Gillies	12/1/2022	11:10	TURB	5.76	VCU
Gillies	12/14/2022	12:29	TURB	1.89	VCU
Huguenot	1/11/2022	13:15	AMM	0.028	VCU

Huguenot	1/18/2022	11:25	AMM	0.011	VCU
Huguenot	1/25/2022	13:59	AMM	0.012	VCU
Huguenot	2/1/2022	13:04	AMM	0.087	VCU
Huguenot	2/10/2022	14:57	AMM	0.005	VCU
Huguenot	2/15/2022	12:37	AMM	0.019	VCU
Huguenot	2/23/2022	12:36	AMM	0.008	VCU
Huguenot	3/1/2022	11:27	AMM	0.096	VCU
Huguenot	3/8/2022	14:39	AMM	0.030	VCU
Huguenot	3/15/2022	12:03	AMM	0.020	VCU
Huguenot	3/24/2022	14:34	AMM	0.041	VCU
Huguenot	3/29/2022	10:39	AMM	0.046	VCU
Huguenot	4/5/2022	14:24	AMM	0.041	VCU
Huguenot	4/12/2022	11:32	AMM	0.026	VCU
Huguenot	4/19/2022	12:51	AMM	0.044	VCU
Huguenot	4/26/2022	10:57	AMM	0.028	VCU
Huguenot	5/3/2022	14:59	AMM	0.057	VCU
Huguenot	5/10/2022	9:30	AMM	0.024	VCU
Huguenot	5/17/2022	13:07	AMM	0.046	VCU
Huguenot	5/25/2022	13:46	AMM	0.044	VCU
Huguenot	5/31/2022	15:49	AMM	0.051	VCU
Huguenot	6/7/2022	12:40	AMM	0.025	VCU
Huguenot	6/14/2022	15:30	AMM	0.047	VCU
Huguenot	6/21/2022	13:13	AMM	0.010	VCU
Huguenot	6/28/2022	13:58	AMM	0.040	VCU
Huguenot	7/5/2022	12:26	AMM	0.009	VCU
Huguenot	7/12/2022	14:03	AMM	0.075	VCU
Huguenot	7/19/2022	13:51	AMM	0.012	VCU
Huguenot	7/26/2022	13:30	AMM	0.018	VCU
Huguenot	8/2/2022	9:59	AMM	0.020	VCU
Huguenot	8/9/2022	13:48	AMM	0.011	VCU
Huguenot	8/16/2022	13:33	AMM	0.013	VCU
Huguenot	8/23/2022	14:03	AMM	0.003	VCU
Huguenot	8/30/2022	9:05	AMM	0.000	VCU
Huguenot	9/6/2022	13:03	AMM	0.017	VCU
Huguenot	9/13/2022	9:07	AMM	0.012	VCU
Huguenot	9/20/2022	13:11	AMM	0.101	VCU
Huguenot	9/27/2022	10:22	AMM	0.016	VCU
Huguenot	10/4/2022	13:04	AMM	0.043	VCU
Huguenot	10/11/2022	9:57	AMM	0.019	VCU
Huguenot	10/18/2022	16:43	AMM	0.038	VCU
Huguenot	10/25/2022	9:09	AMM	0.033	VCU
Huguenot	11/1/2022	13:15	AMM	0.069	VCU
Huguenot	11/9/2022	10:16	AMM	0.058	VCU
Huguenot	11/15/2022	13:52	AMM	0.034	VCU
Huguenot	11/22/2022	13:23	AMM	0.026	VCU
Huguenot	11/29/2022	13:03	AMM	0.015	VCU
Huguenot	12/6/2022	11:36	AMM	0.003	VCU

Huguenot	12/20/2022	14:39	AMM	0.029	VCU
Huguenot	12/13/2023	13:04	AMM	0.022	VCU
Huguenot	1/11/2022	13:15	COND	142.6	VCU
Huguenot	1/18/2022	11:25	COND	162.9	VCU
Huguenot	1/25/2022	13:59	COND	153.2	VCU
Huguenot	2/1/2022	13:04	COND	186.8	VCU
Huguenot	2/10/2022	14:57	COND	100.4	VCU
Huguenot	2/15/2022	12:37	COND	131.5	VCU
Huguenot	2/23/2022	12:36	COND	171.2	VCU
Huguenot	3/1/2022	11:27	COND	177.7	VCU
Huguenot	3/8/2022	14:39	COND	143.0	VCU
Huguenot	3/15/2022	12:03	COND	161.6	VCU
Huguenot	3/24/2022	14:34	COND	127.3	VCU
Huguenot	3/29/2022	10:39	COND	110.4	VCU
Huguenot	4/5/2022	14:24	COND	141.1	VCU
Huguenot	4/12/2022	11:32	COND	109.0	VCU
Huguenot	4/19/2022	12:51	COND	126.5	VCU
Huguenot	4/26/2022	10:57	COND	162.0	VCU
Huguenot	5/3/2022	14:59	COND	141.8	VCU
Huguenot	5/10/2022	9:30	COND	158.4	VCU
Huguenot	5/17/2022	13:07	COND	114.8	VCU
Huguenot	5/25/2022	13:46	COND	136.6	VCU
Huguenot	5/31/2022	15:49	COND	116.7	VCU
Huguenot	6/7/2022	12:40	COND	128.9	VCU
Huguenot	6/14/2022	15:30	COND	130.2	VCU
Huguenot	6/21/2022	13:13	COND	184.5	VCU
Huguenot	6/28/2022	13:58	COND	164.7	VCU
Huguenot	7/5/2022	12:26	COND	186.6	VCU
Huguenot	7/12/2022	14:03	COND	165.0	VCU
Huguenot	7/19/2022	13:51	COND	203.3	VCU
Huguenot	7/26/2022	13:30	COND	216.5	VCU
Huguenot	8/2/2022	9:59	COND	203.0	VCU
Huguenot	8/9/2022	13:48	COND	168.8	VCU
Huguenot	8/16/2022	13:33	COND	200.6	VCU
Huguenot	8/23/2022	14:03	COND	220.8	VCU
Huguenot	8/30/2022	9:05	COND	229.2	VCU
Huguenot	9/6/2022	13:03	COND	207.4	VCU
Huguenot	9/13/2022	9:07	COND	202.6	VCU
Huguenot	9/20/2022	13:11	COND	208.6	VCU
Huguenot	9/27/2022	10:22	COND	234.0	VCU
Huguenot	10/4/2022	13:04	COND	248.8	VCU
Huguenot	10/11/2022	9:57	COND	289.7	VCU
Huguenot	10/18/2022	16:43	COND	246.2	VCU
Huguenot	10/25/2022	9:09	COND	221.9	VCU
Huguenot	11/1/2022	13:15	COND	231.5	VCU
Huguenot	11/9/2022	10:16	COND	247.6	VCU
Huguenot	11/15/2022	13:52	COND	164.8	VCU

Huguenot	11/22/2022	13:23	COND	148.0	VCU
Huguenot	11/29/2022	13:03	COND	150.6	VCU
Huguenot	12/6/2022	11:36	COND	175.7	VCU
Huguenot	12/20/2022	14:39	COND	142.9	VCU
Huguenot	12/13/2023	13:04	COND	205.7	VCU
Huguenot	1/11/2022	13:15	DO	14.09	VCU
Huguenot	1/18/2022	11:25	DO	14.42	VCU
Huguenot	1/25/2022	13:59	DO	14.61	VCU
Huguenot	2/1/2022	13:04	DO	14.85	VCU
Huguenot	2/10/2022	14:57	DO	13.74	VCU
Huguenot	2/15/2022	12:37	DO	13.57	VCU
Huguenot	2/23/2022	12:36	DO	12.40	VCU
Huguenot	3/1/2022	11:27	DO	12.49	VCU
Huguenot	3/8/2022	14:39	DO	10.85	VCU
Huguenot	3/15/2022	12:03	DO	12.28	VCU
Huguenot	3/24/2022	14:34	DO	10.53	VCU
Huguenot	3/29/2022	10:39	DO	11.82	VCU
Huguenot	4/5/2022	14:24	DO	10.70	VCU
Huguenot	4/12/2022	11:32	DO	11.15	VCU
Huguenot	4/19/2022	12:51	DO	10.64	VCU
Huguenot	4/26/2022	10:57	DO	9.43	VCU
Huguenot	5/3/2022	14:59	DO	9.74	VCU
Huguenot	5/10/2022	9:30	DO	10.25	VCU
Huguenot	5/17/2022	13:07	DO	8.96	VCU
Huguenot	5/25/2022	13:46	DO	8.91	VCU
Huguenot	5/31/2022	15:49	DO	8.98	VCU
Huguenot	6/7/2022	12:40	DO	8.76	VCU
Huguenot	6/14/2022	15:30	DO	8.26	VCU
Huguenot	6/21/2022	13:13	DO	9.19	VCU
Huguenot	6/28/2022	13:58	DO	8.68	VCU
Huguenot	7/5/2022	12:26	DO	8.17	VCU
Huguenot	7/12/2022	14:03	DO	8.25	VCU
Huguenot	7/19/2022	13:51	DO	8.06	VCU
Huguenot	7/26/2022	13:30	DO	7.77	VCU
Huguenot	8/2/2022	9:59	DO	7.79	VCU
Huguenot	8/9/2022	13:48	DO	8.18	VCU
Huguenot	8/16/2022	13:33	DO	8.82	VCU
Huguenot	8/23/2022	14:03	DO	8.12	VCU
Huguenot	8/30/2022	9:05	DO	7.10	VCU
Huguenot	9/6/2022	13:03	DO	8.40	VCU
Huguenot	9/13/2022	9:07	DO	7.67	VCU
Huguenot	9/20/2022	13:11	DO	8.91	VCU
Huguenot	9/27/2022	10:22	DO	8.31	VCU
Huguenot	10/4/2022	13:04	DO	10.35	VCU
Huguenot	10/11/2022	9:57	DO	9.57	VCU
Huguenot	10/18/2022	16:43	DO	9.90	VCU
Huguenot	10/25/2022	9:09	DO	9.91	VCU

Huguenot	11/1/2022	13:15	DO	10.26	VCU
Huguenot	11/9/2022	10:16	DO	9.35	VCU
Huguenot	11/15/2022	13:52	DO	11.21	VCU
Huguenot	11/22/2022	13:23	DO	13.06	VCU
Huguenot	11/29/2022	13:03	DO	12.13	VCU
Huguenot	12/6/2022	11:36	DO	12.73	VCU
Huguenot	12/20/2022	14:39	DO	13.83	VCU
Huguenot	12/13/2023	13:04	DO	12.62	VCU
Huguenot	1/11/2022	13:15	DO_%	106.1	VCU
Huguenot	1/18/2022	11:25	DO_%	103.7	VCU
Huguenot	1/25/2022	13:59	DO_%	106.2	VCU
Huguenot	2/1/2022	13:04	DO_%	107.4	VCU
Huguenot	2/10/2022	14:57	DO_%	108.0	VCU
Huguenot	2/15/2022	12:37	DO_%	107.0	VCU
Huguenot	2/23/2022	12:36	DO_%	108.9	VCU
Huguenot	3/1/2022	11:27	DO_%	107.7	VCU
Huguenot	3/8/2022	14:39	DO_%	106.9	VCU
Huguenot	3/15/2022	12:03	DO_%	108.2	VCU
Huguenot	3/24/2022	14:34	DO_%	103.8	VCU
Huguenot	3/29/2022	10:39	DO_%	104.7	VCU
Huguenot	4/5/2022	14:24	DO_%	106.3	VCU
Huguenot	4/12/2022	11:32	DO_%	108.0	VCU
Huguenot	4/19/2022	12:51	DO_%	103.7	VCU
Huguenot	4/26/2022	10:57	DO_%	106.3	VCU
Huguenot	5/3/2022	14:59	DO_%	108.2	VCU
Huguenot	5/10/2022	9:30	DO_%	103.6	VCU
Huguenot	5/17/2022	13:07	DO_%	102.5	VCU
Huguenot	5/25/2022	13:46	DO_%	101.7	VCU
Huguenot	5/31/2022	15:49	DO_%	104.1	VCU
Huguenot	6/7/2022	12:40	DO_%	107.3	VCU
Huguenot	6/14/2022	15:30	DO_%	103.4	VCU
Huguenot	6/21/2022	13:13	DO_%	112.9	VCU
Huguenot	6/28/2022	13:58	DO_%	110.8	VCU
Huguenot	7/5/2022	12:26	DO_%	108.4	VCU
Huguenot	7/12/2022	14:03	DO_%	105.8	VCU
Huguenot	7/19/2022	13:51	DO_%	107.2	VCU
Huguenot	7/26/2022	13:30	DO_%	105.1	VCU
Huguenot	8/2/2022	9:59	DO_%	98.6	VCU
Huguenot	8/9/2022	13:48	DO_%	109.8	VCU
Huguenot	8/16/2022	13:33	DO_%	108.8	VCU
Huguenot	8/23/2022	14:03	DO_%	101.3	VCU
Huguenot	8/30/2022	9:05	DO_%	92.0	VCU
Huguenot	9/6/2022	13:03	DO_%	108.2	VCU
Huguenot	9/13/2022	9:07	DO_%	93.8	VCU
Huguenot	9/20/2022	13:11	DO_%	109.3	VCU
Huguenot	9/27/2022	10:22	DO_%	93.1	VCU
Huguenot	10/4/2022	13:04	DO_%	104.1	VCU

Huguenot	10/11/2022	9:57	DO_%	97.9	VCU
Huguenot	10/18/2022	16:43	DO_%	104.2	VCU
Huguenot	10/25/2022	9:09	DO_%	97.6	VCU
Huguenot	11/1/2022	13:15	DO_%	103.8	VCU
Huguenot	11/9/2022	10:16	DO_%	96.6	VCU
Huguenot	11/15/2022	13:52	DO_%	103.8	VCU
Huguenot	11/22/2022	13:23	DO_%	105.4	VCU
Huguenot	11/29/2022	13:03	DO_%	103.8	VCU
Huguenot	12/6/2022	11:36	DO_%	104.0	VCU
Huguenot	12/20/2022	14:39	DO_%	107.2	VCU
Huguenot	12/13/2023	13:04	DO_%	105.5	VCU
Huguenot	1/11/2022	13:15	ECOLI-MF	185	VCU
Huguenot	1/18/2022	11:25	ECOLI-MF	150	VCU
Huguenot	1/25/2022	13:59	ECOLI-MF	22	VCU
Huguenot	2/1/2022	13:04	ECOLI-MF	19	VCU
Huguenot	2/10/2022	14:57	ECOLI-MF	54	VCU
Huguenot	2/15/2022	12:37	ECOLI-MF	29	VCU
Huguenot	2/23/2022	12:36	ECOLI-MF	17	VCU
Huguenot	3/1/2022	11:27	ECOLI-MF	11	VCU
Huguenot	3/8/2022	14:39	ECOLI-MF	7	VCU
Huguenot	3/15/2022	12:03	ECOLI-MF	117	VCU
Huguenot	3/24/2022	14:34	ECOLI-MF	188	VCU
Huguenot	3/29/2022	10:39	ECOLI-MF	48	VCU
Huguenot	4/5/2022	14:24	ECOLI-MF	11	VCU
Huguenot	4/12/2022	11:32	ECOLI-MF	41	VCU
Huguenot	4/19/2022	12:51	ECOLI-MF	205	VCU
Huguenot	4/26/2022	10:57	ECOLI-MF	9	VCU
Huguenot	5/3/2022	14:59	ECOLI-MF	18	VCU
Huguenot	5/10/2022	9:30	ECOLI-MF	138	VCU
Huguenot	5/17/2022	13:07	ECOLI-MF	72	VCU
Huguenot	5/25/2022	13:46	ECOLI-MF	94	VCU
Huguenot	5/31/2022	15:49	ECOLI-MF	110	VCU
Huguenot	6/7/2022	12:40	ECOLI-MF	13	VCU
Huguenot	6/14/2022	15:30	ECOLI-MF	90	VCU
Huguenot	6/21/2022	13:13	ECOLI-MF	15	VCU
Huguenot	6/28/2022	13:58	ECOLI-MF	43	VCU
Huguenot	7/5/2022	12:26	ECOLI-MF	49	VCU
Huguenot	7/12/2022	14:03	ECOLI-MF	25	VCU
Huguenot	7/19/2022	13:51	ECOLI-MF	49	VCU
Huguenot	7/26/2022	13:30	ECOLI-MF	112	VCU
Huguenot	8/2/2022	9:59	ECOLI-MF	59	VCU
Huguenot	8/9/2022	13:48	ECOLI-MF	19	VCU
Huguenot	8/16/2022	13:33	ECOLI-MF	277	VCU
Huguenot	8/23/2022	14:03	ECOLI-MF	103	VCU
Huguenot	8/30/2022	9:05	ECOLI-MF	30	VCU
Huguenot	9/6/2022	13:03	ECOLI-MF	23	VCU
Huguenot	9/13/2022	9:07	ECOLI-MF	89	VCU

Huguenot	9/20/2022	13:11	ECOLI-MF	24	VCU
Huguenot	9/27/2022	10:22	ECOLI-MF	31	VCU
Huguenot	10/4/2022	13:04	ECOLI-MF	45	VCU
Huguenot	10/11/2022	9:57	ECOLI-MF	14	VCU
Huguenot	10/18/2022	16:43	ECOLI-MF	86	VCU
Huguenot	10/25/2022	9:09	ECOLI-MF	27	VCU
Huguenot	11/1/2022	13:15	ECOLI-MF	29	VCU
Huguenot	11/9/2022	10:16	ECOLI-MF	87	VCU
Huguenot	11/15/2022	13:52	ECOLI-MF	156	VCU
Huguenot	11/22/2022	13:23	ECOLI-MF	95	VCU
Huguenot	11/29/2022	13:03	ECOLI-MF	76	VCU
Huguenot	12/6/2022	11:36	ECOLI-MF	31	VCU
Huguenot	12/20/2022	14:39	ECOLI-MF	136	VCU
Huguenot	12/13/2023	13:04	ECOLI-MF	31	VCU
Huguenot	1/11/2022	13:15	PH_F	7.75	VCU
Huguenot	1/18/2022	11:25	PH_F	7.58	VCU
Huguenot	1/25/2022	13:59	PH_F	7.77	VCU
Huguenot	2/1/2022	13:04	PH_F	7.82	VCU
Huguenot	2/10/2022	14:57	PH_F	7.57	VCU
Huguenot	2/15/2022	12:37	PH_F	7.44	VCU
Huguenot	2/23/2022	12:36	PH_F	7.94	VCU
Huguenot	3/1/2022	11:27	PH_F	7.89	VCU
Huguenot	3/8/2022	14:39	PH_F	7.89	VCU
Huguenot	3/15/2022	12:03	PH_F	7.63	VCU
Huguenot	3/24/2022	14:34	PH_F	7.49	VCU
Huguenot	3/29/2022	10:39	PH_F	7.23	VCU
Huguenot	4/5/2022	14:24	PH_F	7.81	VCU
Huguenot	4/12/2022	11:32	PH_F	7.44	VCU
Huguenot	4/19/2022	12:51	PH_F	7.69	VCU
Huguenot	4/26/2022	10:57	PH_F	7.85	VCU
Huguenot	5/3/2022	14:59	PH_F	8.22	VCU
Huguenot	5/10/2022	9:30	PH_F	7.61	VCU
Huguenot	5/17/2022	13:07	PH_F	7.55	VCU
Huguenot	5/25/2022	13:46	PH_F	7.68	VCU
Huguenot	5/31/2022	15:49	PH_F	7.43	VCU
Huguenot	6/7/2022	12:40	PH_F	8.08	VCU
Huguenot	6/14/2022	15:30	PH_F	7.63	VCU
Huguenot	6/21/2022	13:13	PH_F	8.73	VCU
Huguenot	6/28/2022	13:58	PH_F	8.23	VCU
Huguenot	7/5/2022	12:26	PH_F	8.40	VCU
Huguenot	7/12/2022	14:03	PH_F	8.07	VCU
Huguenot	7/19/2022	13:51	PH_F	8.21	VCU
Huguenot	7/26/2022	13:30	PH_F	8.40	VCU
Huguenot	8/2/2022	9:59	PH_F	7.89	VCU
Huguenot	8/9/2022	13:48	PH_F	7.87	VCU
Huguenot	8/16/2022	13:33	PH_F	8.17	VCU
Huguenot	8/23/2022	14:03	PH_F	7.84	VCU

Huguenot	8/30/2022	9:05	PH_F	8.23	VCU
Huguenot	9/6/2022	13:03	PH_F	8.62	VCU
Huguenot	9/13/2022	9:07	PH_F	7.83	VCU
Huguenot	9/20/2022	13:11	PH_F	8.71	VCU
Huguenot	9/27/2022	10:22	PH_F	8.06	VCU
Huguenot	10/4/2022	13:04	PH_F	8.25	VCU
Huguenot	10/11/2022	9:57	PH_F	8.32	VCU
Huguenot	10/18/2022	16:43	PH_F	8.22	VCU
Huguenot	10/25/2022	9:09	PH_F	7.96	VCU
Huguenot	11/1/2022	13:15	PH_F	8.17	VCU
Huguenot	11/9/2022	10:16	PH_F	7.98	VCU
Huguenot	11/15/2022	13:52	PH_F	7.69	VCU
Huguenot	11/22/2022	13:23	PH_F	7.86	VCU
Huguenot	11/29/2022	13:03	PH_F	7.85	VCU
Huguenot	12/6/2022	11:36	PH_F	7.90	VCU
Huguenot	12/20/2022	14:39	PH_F	7.79	VCU
Huguenot	12/13/2023	13:04	PH_F	7.98	VCU
Huguenot	1/11/2022	13:15	PHOS_TOTAL	0.018	VCU
Huguenot	1/18/2022	11:25	PHOS_TOTAL	0.025	VCU
Huguenot	1/25/2022	13:59	PHOS_TOTAL	0.019	VCU
Huguenot	2/1/2022	13:04	PHOS_TOTAL	0.035	VCU
Huguenot	2/10/2022	14:57	PHOS_TOTAL	0.042	VCU
Huguenot	2/15/2022	12:37	PHOS_TOTAL	0.031	VCU
Huguenot	2/23/2022	12:36	PHOS_TOTAL	0.033	VCU
Huguenot	3/1/2022	11:27	PHOS_TOTAL	0.029	VCU
Huguenot	3/8/2022	14:39	PHOS_TOTAL	0.022	VCU
Huguenot	3/15/2022	12:03	PHOS_TOTAL	0.033	VCU
Huguenot	3/24/2022	14:34	PHOS_TOTAL	0.028	VCU
Huguenot	3/29/2022	10:39	PHOS_TOTAL	0.051	VCU
Huguenot	4/5/2022	14:24	PHOS_TOTAL	0.034	VCU
Huguenot	4/12/2022	11:32	PHOS_TOTAL	0.023	VCU
Huguenot	4/19/2022	12:51	PHOS_TOTAL	0.022	VCU
Huguenot	4/26/2022	10:57	PHOS_TOTAL	0.019	VCU
Huguenot	5/3/2022	14:59	PHOS_TOTAL	0.057	VCU
Huguenot	5/10/2022	9:30	PHOS_TOTAL	0.039	VCU
Huguenot	5/17/2022	13:07	PHOS_TOTAL	0.032	VCU
Huguenot	5/25/2022	13:46	PHOS_TOTAL	0.034	VCU
Huguenot	5/31/2022	15:49	PHOS_TOTAL	0.041	VCU
Huguenot	6/7/2022	12:40	PHOS_TOTAL	0.027	VCU
Huguenot	6/14/2022	15:30	PHOS_TOTAL	0.048	VCU
Huguenot	6/21/2022	13:13	PHOS_TOTAL	0.024	VCU
Huguenot	6/28/2022	13:58	PHOS_TOTAL	0.025	VCU
Huguenot	7/5/2022	12:26	PHOS_TOTAL	0.064	VCU
Huguenot	7/12/2022	14:03	PHOS_TOTAL	0.042	VCU
Huguenot	7/19/2022	13:51	PHOS_TOTAL	0.024	VCU
Huguenot	7/26/2022	13:30	PHOS_TOTAL	0.031	VCU
Huguenot	8/2/2022	9:59	PHOS_TOTAL	0.160	VCU

Huguenot	8/9/2022	13:48	PHOS_TOTAL	0.087	VCU
Huguenot	8/16/2022	13:33	PHOS_TOTAL	0.036	VCU
Huguenot	8/23/2022	14:03	PHOS_TOTAL	0.034	VCU
Huguenot	8/30/2022	9:05	PHOS_TOTAL	0.024	VCU
Huguenot	9/6/2022	13:03	PHOS_TOTAL	0.042	VCU
Huguenot	9/13/2022	9:07	PHOS_TOTAL	0.016	VCU
Huguenot	9/20/2022	13:11	PHOS_TOTAL	0.010	VCU
Huguenot	9/27/2022	10:22	PHOS_TOTAL	0.007	VCU
Huguenot	10/4/2022	13:04	PHOS_TOTAL	0.020	VCU
Huguenot	10/11/2022	9:57	PHOS_TOTAL	0.026	VCU
Huguenot	10/18/2022	16:43	PHOS_TOTAL	0.033	VCU
Huguenot	10/25/2022	9:09	PHOS_TOTAL	0.019	VCU
Huguenot	11/1/2022	13:15	PHOS_TOTAL	0.008	VCU
Huguenot	11/9/2022	10:16	PHOS_TOTAL	0.016	VCU
Huguenot	11/15/2022	13:52	PHOS_TOTAL	0.029	VCU
Huguenot	11/22/2022	13:23	PHOS_TOTAL	0.027	VCU
Huguenot	11/29/2022	13:03	PHOS_TOTAL	0.021	VCU
Huguenot	12/6/2022	11:36	PHOS_TOTAL	0.018	VCU
Huguenot	12/20/2022	14:39	PHOS_TOTAL	0.038	VCU
Huguenot	12/13/2023	13:04	PHOS_TOTAL	0.020	VCU
Huguenot	1/11/2022	13:15	T_NITROGEN	0.484	VCU
Huguenot	1/18/2022	11:25	T_NITROGEN	0.889	VCU
Huguenot	1/25/2022	13:59	T_NITROGEN	0.702	VCU
Huguenot	2/1/2022	13:04	T_NITROGEN	0.290	VCU
Huguenot	2/10/2022	14:57	T_NITROGEN	0.680	VCU
Huguenot	2/15/2022	12:37	T_NITROGEN	0.482	VCU
Huguenot	2/23/2022	12:36	T_NITROGEN	0.563	VCU
Huguenot	3/1/2022	11:27	T_NITROGEN	0.442	VCU
Huguenot	3/8/2022	14:39	T_NITROGEN	0.271	VCU
Huguenot	3/15/2022	12:03	T_NITROGEN	0.371	VCU
Huguenot	3/24/2022	14:34	T_NITROGEN	0.342	VCU
Huguenot	3/29/2022	10:39	T_NITROGEN	0.443	VCU
Huguenot	4/5/2022	14:24	T_NITROGEN	0.372	VCU
Huguenot	4/12/2022	11:32	T_NITROGEN	0.363	VCU
Huguenot	4/19/2022	12:51	T_NITROGEN	0.259	VCU
Huguenot	4/26/2022	10:57	T_NITROGEN	0.215	VCU
Huguenot	5/3/2022	14:59	T_NITROGEN	0.154	VCU
Huguenot	5/10/2022	9:30	T_NITROGEN	0.259	VCU
Huguenot	5/17/2022	13:07	T_NITROGEN	0.370	VCU
Huguenot	5/25/2022	13:46	T_NITROGEN	0.321	VCU
Huguenot	5/31/2022	15:49	T_NITROGEN	0.427	VCU
Huguenot	6/7/2022	12:40	T_NITROGEN	0.429	VCU
Huguenot	6/14/2022	15:30	T_NITROGEN	1.047	VCU
Huguenot	6/21/2022	13:13	T_NITROGEN	0.239	VCU
Huguenot	6/28/2022	13:58	T_NITROGEN	0.327	VCU
Huguenot	7/5/2022	12:26	T_NITROGEN	0.219	VCU
Huguenot	7/12/2022	14:03	T_NITROGEN	0.891	VCU

Huguenot	7/19/2022	13:51	T_NITROGEN	0.200	VCU
Huguenot	7/26/2022	13:30	T_NITROGEN	0.348	VCU
Huguenot	8/2/2022	9:59	T_NITROGEN	2.115	VCU
Huguenot	8/9/2022	13:48	T_NITROGEN	0.766	VCU
Huguenot	8/16/2022	13:33	T_NITROGEN	0.853	VCU
Huguenot	8/23/2022	14:03	T_NITROGEN	0.641	VCU
Huguenot	8/30/2022	9:05	T_NITROGEN	0.419	VCU
Huguenot	9/6/2022	13:03	T_NITROGEN	0.260	VCU
Huguenot	9/13/2022	9:07	T_NITROGEN	0.438	VCU
Huguenot	9/20/2022	13:11	T_NITROGEN	0.248	VCU
Huguenot	9/27/2022	10:22	T_NITROGEN	0.298	VCU
Huguenot	10/4/2022	13:04	T_NITROGEN	0.101	VCU
Huguenot	10/11/2022	9:57	T_NITROGEN	0.119	VCU
Huguenot	10/18/2022	16:43	T_NITROGEN	0.114	VCU
Huguenot	10/25/2022	9:09	T_NITROGEN	0.104	VCU
Huguenot	11/1/2022	13:15	T_NITROGEN	0.176	VCU
Huguenot	11/9/2022	10:16	T_NITROGEN	0.162	VCU
Huguenot	11/15/2022	13:52	T_NITROGEN	0.554	VCU
Huguenot	11/22/2022	13:23	T_NITROGEN	0.605	VCU
Huguenot	11/29/2022	13:03	T_NITROGEN	0.533	VCU
Huguenot	12/6/2022	11:36	T_NITROGEN	0.433	VCU
Huguenot	12/20/2022	14:39	T_NITROGEN	0.544	VCU
Huguenot	12/13/2023	13:04	T_NITROGEN	0.329	VCU
Huguenot	1/11/2022	13:15	TEMP_FIELD	3.5	VCU
Huguenot	1/18/2022	11:25	TEMP_FIELD	1.7	VCU
Huguenot	1/25/2022	13:59	TEMP_FIELD	2.2	VCU
Huguenot	2/1/2022	13:04	TEMP_FIELD	1.9	VCU
Huguenot	2/10/2022	14:57	TEMP_FIELD	5.1	VCU
Huguenot	2/15/2022	12:37	TEMP_FIELD	5.3	VCU
Huguenot	2/23/2022	12:36	TEMP_FIELD	9.5	VCU
Huguenot	3/1/2022	11:27	TEMP_FIELD	8.9	VCU
Huguenot	3/8/2022	14:39	TEMP_FIELD	14.7	VCU
Huguenot	3/15/2022	12:03	TEMP_FIELD	9.7	VCU
Huguenot	3/24/2022	14:34	TEMP_FIELD	14.7	VCU
Huguenot	3/29/2022	10:39	TEMP_FIELD	10.0	VCU
Huguenot	4/5/2022	14:24	TEMP_FIELD	15.1	VCU
Huguenot	4/12/2022	11:32	TEMP_FIELD	13.9	VCU
Huguenot	4/19/2022	12:51	TEMP_FIELD	14.2	VCU
Huguenot	4/26/2022	10:57	TEMP_FIELD	21.2	VCU
Huguenot	5/3/2022	14:59	TEMP_FIELD	20.5	VCU
Huguenot	5/10/2022	9:30	TEMP_FIELD	15.9	VCU
Huguenot	5/17/2022	13:07	TEMP_FIELD	22.0	VCU
Huguenot	5/25/2022	13:46	TEMP_FIELD	21.9	VCU
Huguenot	5/31/2022	15:49	TEMP_FIELD	22.7	VCU
Huguenot	6/7/2022	12:40	TEMP_FIELD	25.7	VCU
Huguenot	6/14/2022	15:30	TEMP_FIELD	26.8	VCU
Huguenot	6/21/2022	13:13	TEMP_FIELD	25.8	VCU

Huguenot	6/28/2022	13:58	TEMP_FIELD	28.0	VCU
Huguenot	7/5/2022	12:26	TEMP_FIELD	30.2	VCU
Huguenot	7/12/2022	14:03	TEMP_FIELD	28.2	VCU
Huguenot	7/19/2022	13:51	TEMP_FIELD	30.2	VCU
Huguenot	7/26/2022	13:30	TEMP_FIELD	31.3	VCU
Huguenot	8/2/2022	9:59	TEMP_FIELD	27.5	VCU
Huguenot	8/9/2022	13:48	TEMP_FIELD	30.8	VCU
Huguenot	8/16/2022	13:33	TEMP_FIELD	26.0	VCU
Huguenot	8/23/2022	14:03	TEMP_FIELD	26.7	VCU
Huguenot	8/30/2022	9:05	TEMP_FIELD	28.7	VCU
Huguenot	9/6/2022	13:03	TEMP_FIELD	28.4	VCU
Huguenot	9/13/2022	9:07	TEMP_FIELD	25.6	VCU
Huguenot	9/20/2022	13:11	TEMP_FIELD	25.7	VCU
Huguenot	9/27/2022	10:22	TEMP_FIELD	20.9	VCU
Huguenot	10/4/2022	13:04	TEMP_FIELD	15.7	VCU
Huguenot	10/11/2022	9:57	TEMP_FIELD	16.4	VCU
Huguenot	10/18/2022	16:43	TEMP_FIELD	17.8	VCU
Huguenot	10/25/2022	9:09	TEMP_FIELD	14.7	VCU
Huguenot	11/1/2022	13:15	TEMP_FIELD	15.9	VCU
Huguenot	11/9/2022	10:16	TEMP_FIELD	16.9	VCU
Huguenot	11/15/2022	13:52	TEMP_FIELD	11.9	VCU
Huguenot	11/22/2022	13:23	TEMP_FIELD	6.1	VCU
Huguenot	11/29/2022	13:03	TEMP_FIELD	8.5	VCU
Huguenot	12/6/2022	11:36	TEMP_FIELD	6.6	VCU
Huguenot	12/20/2022	14:39	TEMP_FIELD	4.6	VCU
Huguenot	12/13/2023	13:04	TEMP_FIELD	7.6	VCU
Huguenot	1/11/2022	13:15	TSS	7.62	VCU
Huguenot	1/18/2022	11:25	TSS	5.39	VCU
Huguenot	1/25/2022	13:59	TSS	8.32	VCU
Huguenot	2/1/2022	13:04	TSS	3.06	VCU
Huguenot	2/10/2022	14:57	TSS	17.63	VCU
Huguenot	2/15/2022	12:37	TSS	4.06	VCU
Huguenot	2/23/2022	12:36	TSS	4.06	VCU
Huguenot	3/1/2022	11:27	TSS	6.51	VCU
Huguenot	3/8/2022	14:39	TSS	1.92	VCU
Huguenot	3/15/2022	12:03	TSS	5.97	VCU
Huguenot	3/24/2022	14:34	TSS	11.80	VCU
Huguenot	3/29/2022	10:39	TSS	6.22	VCU
Huguenot	4/5/2022	14:24	TSS	9.44	VCU
Huguenot	4/12/2022	11:32	TSS	9.75	VCU
Huguenot	4/19/2022	12:51	TSS	5.87	VCU
Huguenot	4/26/2022	10:57	TSS	3.24	VCU
Huguenot	5/3/2022	14:59	TSS	1.29	VCU
Huguenot	5/10/2022	9:30	TSS	11.25	VCU
Huguenot	5/17/2022	13:07	TSS	9.02	VCU
Huguenot	5/25/2022	13:46	TSS	6.03	VCU
Huguenot	5/31/2022	15:49	TSS	23.70	VCU

Huguenot	6/7/2022	12:40	TSS	4.26	VCU
Huguenot	6/14/2022	15:30	TSS	8.01	VCU
Huguenot	6/21/2022	13:13	TSS	2.08	VCU
Huguenot	6/28/2022	13:58	TSS	3.26	VCU
Huguenot	7/5/2022	12:26	TSS	1.58	VCU
Huguenot	7/12/2022	14:03	TSS	3.38	VCU
Huguenot	7/19/2022	13:51	TSS	4.83	VCU
Huguenot	7/26/2022	13:30	TSS	4.73	VCU
Huguenot	8/2/2022	9:59	TSS	8.04	VCU
Huguenot	8/9/2022	13:48	TSS	6.21	VCU
Huguenot	8/16/2022	13:33	TSS	5.06	VCU
Huguenot	8/23/2022	14:03	TSS	10.31	VCU
Huguenot	8/30/2022	9:05	TSS	3.43	VCU
Huguenot	9/6/2022	13:03	TSS	3.46	VCU
Huguenot	9/13/2022	9:07	TSS	5.79	VCU
Huguenot	9/20/2022	13:11	TSS	2.93	VCU
Huguenot	9/27/2022	10:22	TSS	4.40	VCU
Huguenot	10/4/2022	13:04	TSS	2.69	VCU
Huguenot	10/11/2022	9:57	TSS	2.13	VCU
Huguenot	10/18/2022	16:43	TSS	1.39	VCU
Huguenot	10/25/2022	9:09	TSS	1.89	VCU
Huguenot	11/1/2022	13:15	TSS	1.39	VCU
Huguenot	11/9/2022	10:16	TSS	1.99	VCU
Huguenot	11/15/2022	13:52	TSS	1.39	VCU
Huguenot	11/22/2022	13:23	TSS	4.30	VCU
Huguenot	11/29/2022	13:03	TSS	1.85	VCU
Huguenot	12/6/2022	11:36	TSS	1.75	VCU
Huguenot	12/20/2022	14:39	TSS	13.66	VCU
Huguenot	12/13/2023	13:04	TSS	5.69	VCU
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Huguenot	1/18/2022	11:25	TURB	1.49	VCU
Huguenot	1/25/2022	13:59	TURB	10.90	VCU
Huguenot	2/1/2022	13:04	TURB	1.51	VCU
Huguenot	2/10/2022	14:57	TURB	12.10	VCU
Huguenot	2/15/2022	12:37	TURB	2.62	VCU
Huguenot	2/23/2022	12:36	TURB	3.07	VCU
Huguenot	3/1/2022	11:27	TURB	4.17	VCU
Huguenot	3/8/2022	14:39	TURB	1.53	VCU
Huguenot	3/15/2022	12:03	TURB	6.36	VCU
Huguenot	3/24/2022	14:34	TURB	9.78	VCU
Huguenot	3/29/2022	10:39	TURB	9.12	VCU
Huguenot	4/5/2022	14:24	TURB	5.02	VCU
Huguenot	4/12/2022	11:32	TURB	22.10	VCU
Huguenot	4/19/2022	12:51	TURB	4.16	VCU
Huguenot	4/26/2022	10:57	TURB	2.82	VCU
Huguenot	5/3/2022	14:59	TURB	3.52	VCU
Huguenot	5/10/2022	9:30	TURB	6.70	VCU

Huguenot	5/17/2022	13:07	TURB	0.89	VCU
Huguenot	5/25/2022	13:46	TURB	2.65	VCU
Huguenot	5/31/2022	15:49	TURB	45.80	VCU
Huguenot	6/7/2022	12:40	TURB	2.45	VCU
Huguenot	6/14/2022	15:30	TURB	6.55	VCU
Huguenot	6/21/2022	13:13	TURB	1.88	VCU
Huguenot	6/28/2022	13:58	TURB	2.32	VCU
Huguenot	7/5/2022	12:26	TURB	1.23	VCU
Huguenot	7/12/2022	14:03	TURB	3.11	VCU
Huguenot	7/19/2022	13:51	TURB	3.19	VCU
Huguenot	7/26/2022	13:30	TURB	2.43	VCU
Huguenot	8/2/2022	9:59	TURB	3.38	VCU
Huguenot	8/9/2022	13:48	TURB	1.60	VCU
Huguenot	8/16/2022	13:33	TURB	2.16	VCU
Huguenot	8/23/2022	14:03	TURB	5.75	VCU
Huguenot	8/30/2022	9:05	TURB	2.85	VCU
Huguenot	9/6/2022	13:03	TURB	1.76	VCU
Huguenot	9/13/2022	9:07	TURB	2.25	VCU
Huguenot	9/20/2022	13:11	TURB	1.54	VCU
Huguenot	9/27/2022	10:22	TURB	4.15	VCU
Huguenot	10/4/2022	13:04	TURB	2.31	VCU
Huguenot	10/11/2022	9:57	TURB	2.65	VCU
Huguenot	10/18/2022	16:43	TURB	1.12	VCU
Huguenot	10/25/2022	9:09	TURB	1.28	VCU
Huguenot	11/1/2022	13:15	TURB	2.03	VCU
Huguenot	11/9/2022	10:16	TURB	1.55	VCU
Huguenot	11/15/2022	13:52	TURB	6.52	VCU
Huguenot	11/22/2022	13:23	TURB	5.05	VCU
Huguenot	11/29/2022	13:03	TURB	3.23	VCU
Huguenot	12/6/2022	11:36	TURB	1.07	VCU
Huguenot	12/20/2022	14:39	TURB	12.20	VCU
Huguenot	12/13/2023	13:04	TURB	2.61	VCU
Mayo	1/11/2022	12:29	AMM	0.032	VCU
Mayo	1/18/2022	12:18	AMM	0.023	VCU
Mayo	1/25/2022	12:45	AMM	0.013	VCU
Mayo	2/1/2022	13:45	AMM	0.020	VCU
Mayo	2/10/2022	13:58	AMM	0.011	VCU
Mayo	2/15/2022	13:18	AMM	0.002	VCU
Mayo	2/23/2022	11:43	AMM	0.014	VCU
Mayo	3/1/2022	12:11	AMM	0.043	VCU
Mayo	3/8/2022	13:34	AMM	0.122	VCU
Mayo	3/15/2022	12:42	AMM	0.019	VCU
Mayo	3/24/2022	13:47	AMM	0.026	VCU
Mayo	3/29/2022	11:13	AMM	0.045	VCU
Mayo	4/5/2022	13:31	AMM	0.063	VCU
Mayo	4/12/2022	12:22	AMM	0.045	VCU
Mayo	4/19/2022	13:57	AMM	0.027	VCU

Mayo	4/26/2022	11:44	AMM	0.021	VCU
Mayo	5/3/2022	14:02	AMM	0.049	VCU
Mayo	5/10/2022	8:49	AMM	0.021	VCU
Mayo	5/17/2022	13:19	AMM	0.045	VCU
Mayo	5/25/2022	12:56	AMM	0.027	VCU
Mayo	5/31/2022	14:50	AMM	0.042	VCU
Mayo	6/7/2022	11:51	AMM	0.012	VCU
Mayo	6/14/2022	14:19	AMM	0.041	VCU
Mayo	6/21/2022	13:58	AMM	0.008	VCU
Mayo	6/28/2022	12:59	AMM	0.027	VCU
Mayo	7/5/2022	13:19	AMM	0.016	VCU
Mayo	7/12/2022	12:29	AMM	0.001	VCU
Mayo	7/19/2022	13:05	AMM	0.010	VCU
Mayo	7/26/2022	12:32	AMM	0.001	VCU
Mayo	8/2/2022	10:36	AMM	0.013	VCU
Mayo	8/9/2022	12:42	AMM	0.008	VCU
Mayo	8/16/2022	12:54	AMM	0.001	VCU
Mayo	8/23/2022	12:29	AMM	0.001	VCU
Mayo	8/30/2022	9:34	AMM	0.002	VCU
Mayo	9/6/2022	12:19	AMM	0.008	VCU
Mayo	9/13/2022	9:42	AMM	0.007	VCU
Mayo	9/20/2022	12:25	AMM	0.113	VCU
Mayo	9/27/2022	9:43	AMM	0.010	VCU
Mayo	10/4/2022	12:11	AMM	0.034	VCU
Mayo	10/11/2022	9:18	AMM	0.024	VCU
Mayo	10/18/2022	14:34	AMM	0.023	VCU
Mayo	10/25/2022	9:42	AMM	0.028	VCU
Mayo	11/1/2022	12:30	AMM	0.068	VCU
Mayo	11/9/2022	9:14	AMM	0.041	VCU
Mayo	11/15/2022	13:03	AMM	0.035	VCU
Mayo	11/22/2022	12:20	AMM	0.076	VCU
Mayo	11/29/2022	12:06	AMM	0.020	VCU
Mayo	12/6/2022	10:27	AMM	0.024	VCU
Mayo	12/20/2022	13:50	AMM	0.028	VCU
Mayo	12/13/2023	12:08	AMM	0.017	VCU
Mayo	1/11/2022	12:29	COND	145.9	VCU
Mayo	1/18/2022	12:18	COND	168.7	VCU
Mayo	1/25/2022	12:45	COND	147.9	VCU
Mayo	2/1/2022	13:45	COND	188.7	VCU
Mayo	2/10/2022	13:58	COND	98.3	VCU
Mayo	2/15/2022	13:18	COND	128.8	VCU
Mayo	2/23/2022	11:43	COND	165.9	VCU
Mayo	3/1/2022	12:11	COND	174.9	VCU
Mayo	3/8/2022	13:34	COND	140.3	VCU
Mayo	3/15/2022	12:42	COND	157.3	VCU
Mayo	3/24/2022	13:47	COND	128.2	VCU
Mayo	3/29/2022	11:13	COND	107.7	VCU

Mayo	4/5/2022	13:31	COND	138.4	VCU
Mayo	4/12/2022	12:22	COND	109.5	VCU
Mayo	4/19/2022	13:57	COND	127.3	VCU
Mayo	4/26/2022	11:44	COND	160.9	VCU
Mayo	5/3/2022	14:02	COND	138.9	VCU
Mayo	5/10/2022	8:49	COND	140.7	VCU
Mayo	5/17/2022	13:19	COND	109.2	VCU
Mayo	5/25/2022	12:56	COND	133.8	VCU
Mayo	5/31/2022	14:50	COND	119.2	VCU
Mayo	6/7/2022	11:51	COND	124.2	VCU
Mayo	6/14/2022	14:19	COND	121.2	VCU
Mayo	6/21/2022	13:58	COND	175.2	VCU
Mayo	6/28/2022	12:59	COND	151.7	VCU
Mayo	7/5/2022	13:19	COND	180.8	VCU
Mayo	7/12/2022	12:29	COND	177.5	VCU
Mayo	7/19/2022	13:05	COND	206.9	VCU
Mayo	7/26/2022	12:32	COND	206.4	VCU
Mayo	8/2/2022	10:36	COND	194.2	VCU
Mayo	8/9/2022	12:42	COND	144.5	VCU
Mayo	8/16/2022	12:54	COND	195.6	VCU
Mayo	8/23/2022	12:29	COND	231.3	VCU
Mayo	8/30/2022	9:34	COND	212.8	VCU
Mayo	9/6/2022	12:19	COND	206.8	VCU
Mayo	9/13/2022	9:42	COND	183.4	VCU
Mayo	9/20/2022	12:25	COND	227.2	VCU
Mayo	9/27/2022	9:43	COND	238.6	VCU
Mayo	10/4/2022	12:11	COND	248.9	VCU
Mayo	10/11/2022	9:18	COND	315.9	VCU
Mayo	10/18/2022	14:34	COND	246.5	VCU
Mayo	10/25/2022	9:42	COND	221.1	VCU
Mayo	11/1/2022	12:30	COND	223.8	VCU
Mayo	11/9/2022	9:14	COND	242.3	VCU
Mayo	11/15/2022	13:03	COND	161.9	VCU
Mayo	11/22/2022	12:20	COND	148.9	VCU
Mayo	11/29/2022	12:06	COND	148.2	VCU
Mayo	12/6/2022	10:27	COND	171.0	VCU
Mayo	12/20/2022	13:50	COND	151.6	VCU
Mayo	12/13/2023	12:08	COND	207.4	VCU
Mayo	1/11/2022	12:29	DO	13.72	VCU
Mayo	1/18/2022	12:18	DO	14.37	VCU
Mayo	1/25/2022	12:45	DO	14.24	VCU
Mayo	2/1/2022	13:45	DO	14.40	VCU
Mayo	2/10/2022	13:58	DO	12.82	VCU
Mayo	2/15/2022	13:18	DO	13.19	VCU
Mayo	2/23/2022	11:43	DO	12.00	VCU
Mayo	3/1/2022	12:11	DO	11.97	VCU
Mayo	3/8/2022	13:34	DO	10.89	VCU

Mayo	3/15/2022	12:42	DO	11.65	VCU
Mayo	3/24/2022	13:47	DO	10.43	VCU
Mayo	3/29/2022	11:13	DO	11.66	VCU
Mayo	4/5/2022	13:31	DO	10.60	VCU
Mayo	4/12/2022	12:22	DO	10.40	VCU
Mayo	4/19/2022	13:57	DO	10.59	VCU
Mayo	4/26/2022	11:44	DO	9.47	VCU
Mayo	5/3/2022	14:02	DO	9.47	VCU
Mayo	5/10/2022	8:49	DO	10.03	VCU
Mayo	5/17/2022	13:19	DO	8.79	VCU
Mayo	5/25/2022	12:56	DO	8.92	VCU
Mayo	5/31/2022	14:50	DO	8.66	VCU
Mayo	6/7/2022	11:51	DO	8.85	VCU
Mayo	6/14/2022	14:19	DO	8.54	VCU
Mayo	6/21/2022	13:58	DO	9.21	VCU
Mayo	6/28/2022	12:59	DO	9.01	VCU
Mayo	7/5/2022	13:19	DO	8.32	VCU
Mayo	7/12/2022	12:29	DO	8.07	VCU
Mayo	7/19/2022	13:05	DO	7.98	VCU
Mayo	7/26/2022	12:32	DO	8.14	VCU
Mayo	8/2/2022	10:36	DO	8.11	VCU
Mayo	8/9/2022	12:42	DO	8.07	VCU
Mayo	8/16/2022	12:54	DO	8.66	VCU
Mayo	8/23/2022	12:29	DO	7.94	VCU
Mayo	8/30/2022	9:34	DO	7.86	VCU
Mayo	9/6/2022	12:19	DO	8.30	VCU
Mayo	9/13/2022	9:42	DO	8.16	VCU
Mayo	9/20/2022	12:25	DO	8.79	VCU
Mayo	9/27/2022	9:43	DO	8.99	VCU
Mayo	10/4/2022	12:11	DO	10.28	VCU
Mayo	10/11/2022	9:18	DO	9.98	VCU
Mayo	10/18/2022	14:34	DO	10.25	VCU
Mayo	10/25/2022	9:42	DO	10.06	VCU
Mayo	11/1/2022	12:30	DO	10.31	VCU
Mayo	11/9/2022	9:14	DO	10.21	VCU
Mayo	11/15/2022	13:03	DO	10.89	VCU
Mayo	11/22/2022	12:20	DO	12.72	VCU
Mayo	11/29/2022	12:06	DO	12.14	VCU
Mayo	12/6/2022	10:27	DO	12.50	VCU
Mayo	12/20/2022	13:50	DO	13.23	VCU
Mayo	12/13/2023	12:08	DO	12.43	VCU
Mayo	1/11/2022	12:29	DO_%	104.7	VCU
Mayo	1/18/2022	12:18	DO_%	104.4	VCU
Mayo	1/25/2022	12:45	DO_%	103.6	VCU
Mayo	2/1/2022	13:45	DO_%	107.4	VCU
Mayo	2/10/2022	13:58	DO_%	103.7	VCU
Mayo	2/15/2022	13:18	DO_%	106.6	VCU

Mayo	2/23/2022	11:43	DO_%	106.7	VCU
Mayo	3/1/2022	12:11	DO_%	105.1	VCU
Mayo	3/8/2022	13:34	DO_%	107.4	VCU
Mayo	3/15/2022	12:42	DO_%	105.0	VCU
Mayo	3/24/2022	13:47	DO_%	103.5	VCU
Mayo	3/29/2022	11:13	DO_%	103.3	VCU
Mayo	4/5/2022	13:31	DO_%	105.8	VCU
Mayo	4/12/2022	12:22	DO_%	103.7	VCU
Mayo	4/19/2022	13:57	DO_%	103.6	VCU
Mayo	4/26/2022	11:44	DO_%	108.1	VCU
Mayo	5/3/2022	14:02	DO_%	104.5	VCU
Mayo	5/10/2022	8:49	DO_%	101.0	VCU
Mayo	5/17/2022	13:19	DO_%	101.9	VCU
Mayo	5/25/2022	12:56	DO_%	102.9	VCU
Mayo	5/31/2022	14:50	DO_%	101.3	VCU
Mayo	6/7/2022	11:51	DO_%	107.7	VCU
Mayo	6/14/2022	14:19	DO_%	109.6	VCU
Mayo	6/21/2022	13:58	DO_%	113.7	VCU
Mayo	6/28/2022	12:59	DO_%	112.9	VCU
Mayo	7/5/2022	13:19	DO_%	110.0	VCU
Mayo	7/12/2022	12:29	DO_%	101.4	VCU
Mayo	7/19/2022	13:05	DO_%	104.1	VCU
Mayo	7/26/2022	12:32	DO_%	107.6	VCU
Mayo	8/2/2022	10:36	DO_%	102.6	VCU
Mayo	8/9/2022	12:42	DO_%	107.3	VCU
Mayo	8/16/2022	12:54	DO_%	106.0	VCU
Mayo	8/23/2022	12:29	DO_%	100.3	VCU
Mayo	8/30/2022	9:34	DO_%	101.3	VCU
Mayo	9/6/2022	12:19	DO_%	105.5	VCU
Mayo	9/13/2022	9:42	DO_%	99.3	VCU
Mayo	9/20/2022	12:25	DO_%	107.9	VCU
Mayo	9/27/2022	9:43	DO_%	100.0	VCU
Mayo	10/4/2022	12:11	DO_%	103.2	VCU
Mayo	10/11/2022	9:18	DO_%	101.5	VCU
Mayo	10/18/2022	14:34	DO_%	106.9	VCU
Mayo	10/25/2022	9:42	DO_%	100.3	VCU
Mayo	11/1/2022	12:30	DO_%	106.5	VCU
Mayo	11/9/2022	9:14	DO_%	101.2	VCU
Mayo	11/15/2022	13:03	DO_%	101.6	VCU
Mayo	11/22/2022	12:20	DO_%	104.3	VCU
Mayo	11/29/2022	12:06	DO_%	104.3	VCU
Mayo	12/6/2022	10:27	DO_%	102.5	VCU
Mayo	12/20/2022	13:50	DO_%	104.2	VCU
Mayo	12/13/2023	12:08	DO_%	103.7	VCU
Mayo	1/11/2022	12:29	ECOLI-MF	186	VCU
Mayo	1/18/2022	12:18	ECOLI-MF	101	VCU
Mayo	1/25/2022	12:45	ECOLI-MF	29	VCU

Mayo	2/1/2022	13:45	ECOLI-MF	10	VCU
Mayo	2/10/2022	13:58	ECOLI-MF	61	VCU
Mayo	2/15/2022	13:18	ECOLI-MF	19	VCU
Mayo	2/23/2022	11:43	ECOLI-MF	71	VCU
Mayo	3/1/2022	12:11	ECOLI-MF	13	VCU
Mayo	3/8/2022	13:34	ECOLI-MF	48	VCU
Mayo	3/15/2022	12:42	ECOLI-MF	121	VCU
Mayo	3/24/2022	13:47	ECOLI-MF	43	VCU
Mayo	3/29/2022	11:13	ECOLI-MF	52	VCU
Mayo	4/5/2022	13:31	ECOLI-MF	16	VCU
Mayo	4/12/2022	12:22	ECOLI-MF	46	VCU
Mayo	4/19/2022	13:57	ECOLI-MF	94	VCU
Mayo	4/26/2022	11:44	ECOLI-MF	43	VCU
Mayo	5/3/2022	14:02	ECOLI-MF	140	VCU
Mayo	5/10/2022	8:49	ECOLI-MF	250	VCU
Mayo	5/17/2022	13:19	ECOLI-MF	157	VCU
Mayo	5/25/2022	12:56	ECOLI-MF	1210	VCU
Mayo	5/31/2022	14:50	ECOLI-MF	181	VCU
Mayo	6/7/2022	11:51	ECOLI-MF	68	VCU
Mayo	6/14/2022	14:19	ECOLI-MF	106	VCU
Mayo	6/21/2022	13:58	ECOLI-MF	102	VCU
Mayo	6/28/2022	12:59	ECOLI-MF	281	VCU
Mayo	7/5/2022	13:19	ECOLI-MF	438	VCU
Mayo	7/12/2022	12:29	ECOLI-MF	179	VCU
Mayo	7/19/2022	13:05	ECOLI-MF	497	VCU
Mayo	7/26/2022	12:32	ECOLI-MF	281	VCU
Mayo	8/2/2022	10:36	ECOLI-MF	334	VCU
Mayo	8/9/2022	12:42	ECOLI-MF	109	VCU
Mayo	8/16/2022	12:54	ECOLI-MF	64	VCU
Mayo	8/23/2022	12:29	ECOLI-MF	200	VCU
Mayo	8/30/2022	9:34	ECOLI-MF	109	VCU
Mayo	9/6/2022	12:19	ECOLI-MF	320	VCU
Mayo	9/13/2022	9:42	ECOLI-MF	351	VCU
Mayo	9/20/2022	12:25	ECOLI-MF	66	VCU
Mayo	9/27/2022	9:43	ECOLI-MF	230	VCU
Mayo	10/4/2022	12:11	ECOLI-MF	379	VCU
Mayo	10/11/2022	9:18	ECOLI-MF	89	VCU
Mayo	10/18/2022	14:34	ECOLI-MF	310	VCU
Mayo	10/25/2022	9:42	ECOLI-MF	80	VCU
Mayo	11/1/2022	12:30	ECOLI-MF	123	VCU
Mayo	11/9/2022	9:14	ECOLI-MF	484	VCU
Mayo	11/15/2022	13:03	ECOLI-MF	274	VCU
Mayo	11/22/2022	12:20	ECOLI-MF	178	VCU
Mayo	11/29/2022	12:06	ECOLI-MF	172	VCU
Mayo	12/6/2022	10:27	ECOLI-MF	88	VCU
Mayo	12/20/2022	13:50	ECOLI-MF	141	VCU
Mayo	12/13/2023	12:08	ECOLI-MF	60	VCU

Mayo	1/11/2022	12:29	PH_F	7.94	VCU
Mayo	1/18/2022	12:18	PH_F	7.91	VCU
Mayo	1/25/2022	12:45	PH_F	7.87	VCU
Mayo	2/1/2022	13:45	PH_F	8.04	VCU
Mayo	2/10/2022	13:58	PH_F	7.69	VCU
Mayo	2/15/2022	13:18	PH_F	7.86	VCU
Mayo	2/23/2022	11:43	PH_F	8.17	VCU
Mayo	3/1/2022	12:11	PH_F	8.17	VCU
Mayo	3/8/2022	13:34	PH_F	8.49	VCU
Mayo	3/15/2022	12:42	PH_F	7.90	VCU
Mayo	3/24/2022	13:47	PH_F	7.88	VCU
Mayo	3/29/2022	11:13	PH_F	7.41	VCU
Mayo	4/5/2022	13:31	PH_F	8.14	VCU
Mayo	4/12/2022	12:22	PH_F	7.75	VCU
Mayo	4/19/2022	13:57	PH_F	8.35	VCU
Mayo	4/26/2022	11:44	PH_F	8.63	VCU
Mayo	5/3/2022	14:02	PH_F	8.34	VCU
Mayo	5/10/2022	8:49	PH_F	7.58	VCU
Mayo	5/17/2022	13:19	PH_F	7.96	VCU
Mayo	5/25/2022	12:56	PH_F	8.13	VCU
Mayo	5/31/2022	14:50	PH_F	7.75	VCU
Mayo	6/7/2022	11:51	PH_F	8.68	VCU
Mayo	6/14/2022	14:19	PH_F	8.61	VCU
Mayo	6/21/2022	13:58	PH_F	9.11	VCU
Mayo	6/28/2022	12:59	PH_F	8.86	VCU
Mayo	7/5/2022	13:19	PH_F	8.69	VCU
Mayo	7/12/2022	12:29	PH_F	6.77	VCU
Mayo	7/19/2022	13:05	PH_F	8.43	VCU
Mayo	7/26/2022	12:32	PH_F	8.43	VCU
Mayo	8/2/2022	10:36	PH_F	8.23	VCU
Mayo	8/9/2022	12:42	PH_F	8.20	VCU
Mayo	8/16/2022	12:54	PH_F	8.45	VCU
Mayo	8/23/2022	12:29	PH_F	8.22	VCU
Mayo	8/30/2022	9:34	PH_F	8.14	VCU
Mayo	9/6/2022	12:19	PH_F	8.44	VCU
Mayo	9/13/2022	9:42	PH_F	8.00	VCU
Mayo	9/20/2022	12:25	PH_F	8.55	VCU
Mayo	9/27/2022	9:43	PH_F	8.20	VCU
Mayo	10/4/2022	12:11	PH_F	8.40	VCU
Mayo	10/11/2022	9:18	PH_F	8.13	VCU
Mayo	10/18/2022	14:34	PH_F	8.58	VCU
Mayo	10/25/2022	9:42	PH_F	8.03	VCU
Mayo	11/1/2022	12:30	PH_F	8.38	VCU
Mayo	11/9/2022	9:14	PH_F	8.09	VCU
Mayo	11/15/2022	13:03	PH_F	7.97	VCU
Mayo	11/22/2022	12:20	PH_F	7.78	VCU
Mayo	11/29/2022	12:06	PH_F	7.96	VCU

Mayo	12/6/2022	10:27	PH_F	7.94	VCU
Mayo	12/20/2022	13:50	PH_F	7.95	VCU
Mayo	12/13/2023	12:08	PH_F	8.18	VCU
Mayo	1/11/2022	12:29	PHOS_TOTAL	0.027	VCU
Mayo	1/18/2022	12:18	PHOS_TOTAL	0.019	VCU
Mayo	1/25/2022	12:45	PHOS_TOTAL	0.020	VCU
Mayo	2/1/2022	13:45	PHOS_TOTAL	0.042	VCU
Mayo	2/10/2022	13:58	PHOS_TOTAL	0.053	VCU
Mayo	2/15/2022	13:18	PHOS_TOTAL	0.047	VCU
Mayo	2/23/2022	11:43	PHOS_TOTAL	0.033	VCU
Mayo	3/1/2022	12:11	PHOS_TOTAL	0.035	VCU
Mayo	3/8/2022	13:34	PHOS_TOTAL	0.035	VCU
Mayo	3/15/2022	12:42	PHOS_TOTAL	0.036	VCU
Mayo	3/24/2022	13:47	PHOS_TOTAL	0.026	VCU
Mayo	3/29/2022	11:13	PHOS_TOTAL	0.033	VCU
Mayo	4/5/2022	13:31	PHOS_TOTAL	0.028	VCU
Mayo	4/12/2022	12:22	PHOS_TOTAL	0.020	VCU
Mayo	4/19/2022	13:57	PHOS_TOTAL	0.027	VCU
Mayo	4/26/2022	11:44	PHOS_TOTAL	0.025	VCU
Mayo	5/3/2022	14:02	PHOS_TOTAL	0.044	VCU
Mayo	5/10/2022	8:49	PHOS_TOTAL	0.036	VCU
Mayo	5/17/2022	13:19	PHOS_TOTAL	0.039	VCU
Mayo	5/25/2022	12:56	PHOS_TOTAL	0.027	VCU
Mayo	5/31/2022	14:50	PHOS_TOTAL	0.046	VCU
Mayo	6/7/2022	11:51	PHOS_TOTAL	0.029	VCU
Mayo	6/14/2022	14:19	PHOS_TOTAL	0.034	VCU
Mayo	6/21/2022	13:58	PHOS_TOTAL	0.015	VCU
Mayo	6/28/2022	12:59	PHOS_TOTAL	0.027	VCU
Mayo	7/5/2022	13:19	PHOS_TOTAL	0.079	VCU
Mayo	7/12/2022	12:29	PHOS_TOTAL	0.051	VCU
Mayo	7/19/2022	13:05	PHOS_TOTAL	0.041	VCU
Mayo	7/26/2022	12:32	PHOS_TOTAL	0.056	VCU
Mayo	8/2/2022	10:36	PHOS_TOTAL	0.089	VCU
Mayo	8/9/2022	12:42	PHOS_TOTAL	0.059	VCU
Mayo	8/16/2022	12:54	PHOS_TOTAL	0.023	VCU
Mayo	8/23/2022	12:29	PHOS_TOTAL	0.028	VCU
Mayo	8/30/2022	9:34	PHOS_TOTAL	0.001	VCU
Mayo	9/6/2022	12:19	PHOS_TOTAL	0.002	VCU
Mayo	9/13/2022	9:42	PHOS_TOTAL	0.060	VCU
Mayo	9/20/2022	12:25	PHOS_TOTAL	0.040	VCU
Mayo	9/27/2022	9:43	PHOS_TOTAL	0.027	VCU
Mayo	10/4/2022	12:11	PHOS_TOTAL	0.013	VCU
Mayo	10/11/2022	9:18	PHOS_TOTAL	0.014	VCU
Mayo	10/18/2022	14:34	PHOS_TOTAL	0.029	VCU
Mayo	10/25/2022	9:42	PHOS_TOTAL	0.013	VCU
Mayo	11/1/2022	12:30	PHOS_TOTAL	0.006	VCU
Mayo	11/9/2022	9:14	PHOS_TOTAL	0.012	VCU

Mayo	11/15/2022	13:03	PHOS_TOTAL	0.029	VCU
Mayo	11/22/2022	12:20	PHOS_TOTAL	0.052	VCU
Mayo	11/29/2022	12:06	PHOS_TOTAL	0.019	VCU
Mayo	12/6/2022	10:27	PHOS_TOTAL	0.014	VCU
Mayo	12/20/2022	13:50	PHOS_TOTAL	0.042	VCU
Mayo	12/13/2023	12:08	PHOS_TOTAL	0.011	VCU
Mayo	1/11/2022	12:29	T_NITROGEN	1.409	VCU
Mayo	1/18/2022	12:18	T_NITROGEN	0.558	VCU
Mayo	1/25/2022	12:45	T_NITROGEN	1.039	VCU
Mayo	2/1/2022	13:45	T_NITROGEN	0.458	VCU
Mayo	2/10/2022	13:58	T_NITROGEN	1.135	VCU
Mayo	2/15/2022	13:18	T_NITROGEN	0.801	VCU
Mayo	2/23/2022	11:43	T_NITROGEN	0.452	VCU
Mayo	3/1/2022	12:11	T_NITROGEN	0.442	VCU
Mayo	3/8/2022	13:34	T_NITROGEN	0.253	VCU
Mayo	3/15/2022	12:42	T_NITROGEN	0.365	VCU
Mayo	3/24/2022	13:47	T_NITROGEN	0.318	VCU
Mayo	3/29/2022	11:13	T_NITROGEN	0.434	VCU
Mayo	4/5/2022	13:31	T_NITROGEN	0.306	VCU
Mayo	4/12/2022	12:22	T_NITROGEN	0.348	VCU
Mayo	4/19/2022	13:57	T_NITROGEN	0.234	VCU
Mayo	4/26/2022	11:44	T_NITROGEN	0.166	VCU
Mayo	5/3/2022	14:02	T_NITROGEN	0.151	VCU
Mayo	5/10/2022	8:49	T_NITROGEN	0.212	VCU
Mayo	5/17/2022	13:19	T_NITROGEN	0.378	VCU
Mayo	5/25/2022	12:56	T_NITROGEN	0.252	VCU
Mayo	5/31/2022	14:50	T_NITROGEN	0.441	VCU
Mayo	6/7/2022	11:51	T_NITROGEN	0.387	VCU
Mayo	6/14/2022	14:19	T_NITROGEN	0.737	VCU
Mayo	6/21/2022	13:58	T_NITROGEN	0.221	VCU
Mayo	6/28/2022	12:59	T_NITROGEN	0.313	VCU
Mayo	7/5/2022	13:19	T_NITROGEN	0.467	VCU
Mayo	7/12/2022	12:29	T_NITROGEN	0.626	VCU
Mayo	7/19/2022	13:05	T_NITROGEN	0.688	VCU
Mayo	7/26/2022	12:32	T_NITROGEN	1.201	VCU
Mayo	8/2/2022	10:36	T_NITROGEN	1.385	VCU
Mayo	8/9/2022	12:42	T_NITROGEN	0.688	VCU
Mayo	8/16/2022	12:54	T_NITROGEN	1.040	VCU
Mayo	8/23/2022	12:29	T_NITROGEN	0.882	VCU
Mayo	8/30/2022	9:34	T_NITROGEN	0.220	VCU
Mayo	9/6/2022	12:19	T_NITROGEN	0.219	VCU
Mayo	9/13/2022	9:42	T_NITROGEN	0.580	VCU
Mayo	9/20/2022	12:25	T_NITROGEN	0.318	VCU
Mayo	9/27/2022	9:43	T_NITROGEN	0.642	VCU
Mayo	10/4/2022	12:11	T_NITROGEN	0.149	VCU
Mayo	10/11/2022	9:18	T_NITROGEN	0.102	VCU
Mayo	10/18/2022	14:34	T_NITROGEN	0.112	VCU

Mayo	10/25/2022	9:42	T_NITROGEN	0.093	VCU
Mayo	11/1/2022	12:30	T_NITROGEN	0.163	VCU
Mayo	11/9/2022	9:14	T_NITROGEN	0.153	VCU
Mayo	11/15/2022	13:03	T_NITROGEN	0.543	VCU
Mayo	11/22/2022	12:20	T_NITROGEN	1.387	VCU
Mayo	11/29/2022	12:06	T_NITROGEN	0.552	VCU
Mayo	12/6/2022	10:27	T_NITROGEN	0.411	VCU
Mayo	12/20/2022	13:50	T_NITROGEN	0.547	VCU
Mayo	12/13/2023	12:08	T_NITROGEN	0.321	VCU
Mayo	1/11/2022	12:29	TEMP_FIELD	4.0	VCU
Mayo	1/18/2022	12:18	TEMP_FIELD	2.2	VCU
Mayo	1/25/2022	12:45	TEMP_FIELD	2.2	VCU
Mayo	2/1/2022	13:45	TEMP_FIELD	3.1	VCU
Mayo	2/10/2022	13:58	TEMP_FIELD	6.3	VCU
Mayo	2/15/2022	13:18	TEMP_FIELD	6.2	VCU
Mayo	2/23/2022	11:43	TEMP_FIELD	10.1	VCU
Mayo	3/1/2022	12:11	TEMP_FIELD	9.6	VCU
Mayo	3/8/2022	13:34	TEMP_FIELD	14.7	VCU
Mayo	3/15/2022	12:42	TEMP_FIELD	10.7	VCU
Mayo	3/24/2022	13:47	TEMP_FIELD	15.0	VCU
Mayo	3/29/2022	11:13	TEMP_FIELD	10.0	VCU
Mayo	4/5/2022	13:31	TEMP_FIELD	15.3	VCU
Mayo	4/12/2022	12:22	TEMP_FIELD	15.3	VCU
Mayo	4/19/2022	13:57	TEMP_FIELD	14.4	VCU
Mayo	4/26/2022	11:44	TEMP_FIELD	21.9	VCU
Mayo	5/3/2022	14:02	TEMP_FIELD	20.1	VCU
Mayo	5/10/2022	8:49	TEMP_FIELD	15.8	VCU
Mayo	5/17/2022	13:19	TEMP_FIELD	22.7	VCU
Mayo	5/25/2022	12:56	TEMP_FIELD	22.5	VCU
Mayo	5/31/2022	14:50	TEMP_FIELD	23.1	VCU
Mayo	6/7/2022	11:51	TEMP_FIELD	25.3	VCU
Mayo	6/14/2022	14:19	TEMP_FIELD	28.2	VCU
Mayo	6/21/2022	13:58	TEMP_FIELD	26.1	VCU
Mayo	6/28/2022	12:59	TEMP_FIELD	26.9	VCU
Mayo	7/5/2022	13:19	TEMP_FIELD	30.0	VCU
Mayo	7/12/2022	12:29	TEMP_FIELD	27.2	VCU
Mayo	7/19/2022	13:05	TEMP_FIELD	29.2	VCU
Mayo	7/26/2022	12:32	TEMP_FIELD	29.9	VCU
Mayo	8/2/2022	10:36	TEMP_FIELD	27.4	VCU
Mayo	8/9/2022	12:42	TEMP_FIELD	30.2	VCU
Mayo	8/16/2022	12:54	TEMP_FIELD	25.6	VCU
Mayo	8/23/2022	12:29	TEMP_FIELD	27.3	VCU
Mayo	8/30/2022	9:34	TEMP_FIELD	28.4	VCU
Mayo	9/6/2022	12:19	TEMP_FIELD	27.6	VCU
Mayo	9/13/2022	9:42	TEMP_FIELD	25.3	VCU
Mayo	9/20/2022	12:25	TEMP_FIELD	25.7	VCU
Mayo	9/27/2022	9:43	TEMP_FIELD	20.5	VCU

Mayo	10/4/2022	12:11	TEMP_FIELD	15.5	VCU
Mayo	10/11/2022	9:18	TEMP_FIELD	16.2	VCU
Mayo	10/18/2022	14:34	TEMP_FIELD	17.4	VCU
Mayo	10/25/2022	9:42	TEMP_FIELD	15.2	VCU
Mayo	11/1/2022	12:30	TEMP_FIELD	16.9	VCU
Mayo	11/9/2022	9:14	TEMP_FIELD	15.0	VCU
Mayo	11/15/2022	13:03	TEMP_FIELD	12.2	VCU
Mayo	11/22/2022	12:20	TEMP_FIELD	6.8	VCU
Mayo	11/29/2022	12:06	TEMP_FIELD	8.7	VCU
Mayo	12/6/2022	10:27	TEMP_FIELD	6.8	VCU
Mayo	12/20/2022	13:50	TEMP_FIELD	5.2	VCU
Mayo	12/13/2023	12:08	TEMP_FIELD	7.5	VCU
Mayo	1/11/2022	12:29	TSS	9.39	VCU
Mayo	1/18/2022	12:18	TSS	6.67	VCU
Mayo	1/25/2022	12:45	TSS	4.26	VCU
Mayo	2/1/2022	13:45	TSS	3.17	VCU
Mayo	2/10/2022	13:58	TSS	21.28	VCU
Mayo	2/15/2022	13:18	TSS	6.32	VCU
Mayo	2/23/2022	11:43	TSS	1.94	VCU
Mayo	3/1/2022	12:11	TSS	4.99	VCU
Mayo	3/8/2022	13:34	TSS	2.86	VCU
Mayo	3/15/2022	12:42	TSS	7.81	VCU
Mayo	3/24/2022	13:47	TSS	5.31	VCU
Mayo	3/29/2022	11:13	TSS	11.30	VCU
Mayo	4/5/2022	13:31	TSS	4.82	VCU
Mayo	4/12/2022	12:22	TSS	15.41	VCU
Mayo	4/19/2022	13:57	TSS	6.02	VCU
Mayo	4/26/2022	11:44	TSS	3.89	VCU
Mayo	5/3/2022	14:02	TSS	2.36	VCU
Mayo	5/10/2022	8:49	TSS	6.84	VCU
Mayo	5/17/2022	13:19	TSS	18.09	VCU
Mayo	5/25/2022	12:56	TSS	6.34	VCU
Mayo	5/31/2022	14:50	TSS	13.11	VCU
Mayo	6/7/2022	11:51	TSS	5.40	VCU
Mayo	6/14/2022	14:19	TSS	5.58	VCU
Mayo	6/21/2022	13:58	TSS	2.12	VCU
Mayo	6/28/2022	12:59	TSS	3.47	VCU
Mayo	7/5/2022	13:19	TSS	1.98	VCU
Mayo	7/12/2022	12:29	TSS	3.98	VCU
Mayo	7/19/2022	13:05	TSS	4.20	VCU
Mayo	7/26/2022	12:32	TSS	3.85	VCU
Mayo	8/2/2022	10:36	TSS	4.13	VCU
Mayo	8/9/2022	12:42	TSS	4.60	VCU
Mayo	8/16/2022	12:54	TSS	5.14	VCU
Mayo	8/23/2022	12:29	TSS	7.29	VCU
Mayo	8/30/2022	9:34	TSS	2.69	VCU
Mayo	9/6/2022	12:19	TSS	3.05	VCU

Mayo	9/13/2022	9:42	TSS	1.06	VCU
Mayo	9/20/2022	12:25	TSS	1.58	VCU
Mayo	9/27/2022	9:43	TSS	1.58	VCU
Mayo	10/4/2022	12:11	TSS	3.51	VCU
Mayo	10/11/2022	9:18	TSS	1.43	VCU
Mayo	10/18/2022	14:34	TSS	1.35	VCU
Mayo	10/25/2022	9:42	TSS	1.18	VCU
Mayo	11/1/2022	12:30	TSS	1.51	VCU
Mayo	11/9/2022	9:14	TSS	1.79	VCU
Mayo	11/15/2022	13:03	TSS	1.51	VCU
Mayo	11/22/2022	12:20	TSS	4.87	VCU
Mayo	11/29/2022	12:06	TSS	1.80	VCU
Mayo	12/6/2022	10:27	TSS	2.18	VCU
Mayo	12/20/2022	13:50	TSS	12.45	VCU
Mayo	12/13/2023	12:08	TSS	7.47	VCU
Mayo	1/11/2022	12:29	TURB	5.34	VCU
Mayo	1/18/2022	12:18	TURB	2.39	VCU
Mayo	1/25/2022	12:45	TURB	10.70	VCU
Mayo	2/1/2022	13:45	TURB	0.78	VCU
Mayo	2/10/2022	13:58	TURB	8.82	VCU
Mayo	2/15/2022	13:18	TURB	3.28	VCU
Mayo	2/23/2022	11:43	TURB	2.83	VCU
Mayo	3/1/2022	12:11	TURB	4.59	VCU
Mayo	3/8/2022	13:34	TURB	1.16	VCU
Mayo	3/15/2022	12:42	TURB	7.59	VCU
Mayo	3/24/2022	13:47	TURB	4.75	VCU
Mayo	3/29/2022	11:13	TURB	15.80	VCU
Mayo	4/5/2022	13:31	TURB	2.51	VCU
Mayo	4/12/2022	12:22	TURB	20.20	VCU
Mayo	4/19/2022	13:57	TURB	3.58	VCU
Mayo	4/26/2022	11:44	TURB	5.45	VCU
Mayo	5/3/2022	14:02	TURB	2.29	VCU
Mayo	5/10/2022	8:49	TURB	19.90	VCU
Mayo	5/17/2022	13:19	TURB	17.50	VCU
Mayo	5/25/2022	12:56	TURB	2.95	VCU
Mayo	5/31/2022	14:50	TURB	30.50	VCU
Mayo	6/7/2022	11:51	TURB	1.76	VCU
Mayo	6/14/2022	14:19	TURB	7.75	VCU
Mayo	6/21/2022	13:58	TURB	1.61	VCU
Mayo	6/28/2022	12:59	TURB	3.56	VCU
Mayo	7/5/2022	13:19	TURB	1.53	VCU
Mayo	7/12/2022	12:29	TURB	2.69	VCU
Mayo	7/19/2022	13:05	TURB	2.61	VCU
Mayo	7/26/2022	12:32	TURB	2.46	VCU
Mayo	8/2/2022	10:36	TURB	3.94	VCU
Mayo	8/9/2022	12:42	TURB	5.14	VCU
Mayo	8/16/2022	12:54	TURB	3.26	VCU

Mayo	8/23/2022	12:29	TURB	7.22	VCU
Mayo	8/30/2022	9:34	TURB	3.29	VCU
Mayo	9/6/2022	12:19	TURB	2.21	VCU
Mayo	9/13/2022	9:42	TURB	3.72	VCU
Mayo	9/20/2022	12:25	TURB	2.39	VCU
Mayo	9/27/2022	9:43	TURB	2.58	VCU
Mayo	10/4/2022	12:11	TURB	2.11	VCU
Mayo	10/11/2022	9:18	TURB	1.66	VCU
Mayo	10/18/2022	14:34	TURB	0.89	VCU
Mayo	10/25/2022	9:42	TURB	1.05	VCU
Mayo	11/1/2022	12:30	TURB	0.95	VCU
Mayo	11/9/2022	9:14	TURB	1.16	VCU
Mayo	11/15/2022	13:03	TURB	45.40	VCU
Mayo	11/22/2022	12:20	TURB	4.43	VCU
Mayo	11/29/2022	12:06	TURB	3.09	VCU
Mayo	12/6/2022	10:27	TURB	1.64	VCU
Mayo	12/20/2022	13:50	TURB	16.50	VCU
Mayo	12/13/2023	12:08	TURB	1.58	VCU
Pine Camp	3/3/2022	11:27	AMM	0.047	VCU
Pine Camp	3/17/2022	11:34	AMM	0.123	VCU
Pine Camp	3/31/2022	11:53	AMM	0.103	VCU
Pine Camp	4/14/2022	11:46	AMM	0.055	VCU
Pine Camp	4/28/2022	10:33	AMM	0.075	VCU
Pine Camp	5/12/2022	12:26	AMM	0.082	VCU
Pine Camp	5/26/2022	11:57	AMM	0.098	VCU
Pine Camp	6/9/2022	12:15	AMM	0.172	VCU
Pine Camp	6/23/2022	11:45	AMM	0.056	VCU
Pine Camp	7/7/2022	10:50	AMM	0.124	VCU
Pine Camp	7/21/2022	12:03	AMM	0.085	VCU
Pine Camp	8/4/2022	12:39	AMM	0.109	VCU
Pine Camp	8/18/2022	11:29	AMM	0.057	VCU
Pine Camp	9/1/2022	11:45	AMM	0.086	VCU
Pine Camp	9/15/2022	12:03	AMM	0.058	VCU
Pine Camp	9/29/2022	11:33	AMM	0.086	VCU
Pine Camp	10/13/2022	11:41	AMM	0.062	VCU
Pine Camp	10/27/2022	12:14	AMM	0.046	VCU
Pine Camp	11/3/2022	13:07	AMM	0.076	VCU
Pine Camp	11/17/2022	12:33	AMM	0.044	VCU
Pine Camp	12/1/2022	12:07	AMM	0.049	VCU
Pine Camp	12/14/2022	13:33	AMM	0.038	VCU
Pine Camp	3/3/2022	11:27	COND	181.0	VCU
Pine Camp	3/17/2022	11:34	COND	125.5	VCU
Pine Camp	3/31/2022	11:53	COND	177.0	VCU
Pine Camp	4/14/2022	11:46	COND	167.2	VCU
Pine Camp	4/28/2022	10:33	COND	163.3	VCU
Pine Camp	5/12/2022	12:26	COND	167.6	VCU
Pine Camp	5/26/2022	11:57	COND	162.7	VCU

Pine Camp	6/9/2022	12:15	COND	153.4	VCU
Pine Camp	6/23/2022	11:45	COND	63.8	VCU
Pine Camp	7/7/2022	10:50	COND	164.7	VCU
Pine Camp	7/21/2022	12:03	COND	159.1	VCU
Pine Camp	8/4/2022	12:39	COND	133.6	VCU
Pine Camp	8/18/2022	11:29	COND	135.6	VCU
Pine Camp	9/1/2022	11:45	COND	161.8	VCU
Pine Camp	9/15/2022	12:03	COND	135.8	VCU
Pine Camp	9/29/2022	11:33	COND	142.2	VCU
Pine Camp	10/13/2022	11:41	COND	168.9	VCU
Pine Camp	10/27/2022	12:14	COND	160.7	VCU
Pine Camp	11/3/2022	13:07	COND	187.8	VCU
Pine Camp	11/17/2022	12:33	COND	113.0	VCU
Pine Camp	12/1/2022	12:07	COND	102.8	VCU
Pine Camp	12/14/2022	13:33	COND	159.4	VCU
Pine Camp	3/3/2022	11:27	DISCHARGE	0.002	VCU
Pine Camp	3/17/2022	11:34	DISCHARGE	0.012	VCU
Pine Camp	3/31/2022	11:53	DISCHARGE	0.004	VCU
Pine Camp	4/14/2022	11:46	DISCHARGE	0.003	VCU
Pine Camp	4/28/2022	10:33	DISCHARGE	0.003	VCU
Pine Camp	5/12/2022	12:26	DISCHARGE	0.004	VCU
Pine Camp	5/26/2022	11:57	DISCHARGE	0.004	VCU
Pine Camp	6/9/2022	12:15	DISCHARGE	0.002	VCU
Pine Camp	6/23/2022	11:45	DISCHARGE	0.005	VCU
Pine Camp	7/7/2022	10:50	DISCHARGE	0.0021	VCU
Pine Camp	7/21/2022	12:03	DISCHARGE	0.001	VCU
Pine Camp	8/4/2022	12:39	DISCHARGE	0.001	VCU
Pine Camp	8/18/2022	11:29	DISCHARGE	0.001	VCU
Pine Camp	9/1/2022	11:45	DISCHARGE	0.001	VCU
Pine Camp	9/15/2022	12:03	DISCHARGE	0.001	VCU
Pine Camp	9/29/2022	11:33	DISCHARGE	0.001	VCU
Pine Camp	10/13/2022	11:41	DISCHARGE	0.001	VCU
Pine Camp	10/27/2022	12:14	DISCHARGE	0.001	VCU
Pine Camp	11/3/2022	13:07	DISCHARGE	0.001	VCU
Pine Camp	11/17/2022	12:33	DISCHARGE	0.002	VCU
Pine Camp	12/1/2022	12:07	DISCHARGE	0.002	VCU
Pine Camp	12/14/2022	13:33	DISCHARGE	0.003	VCU
Pine Camp	3/3/2022	11:27	DO	10.84	VCU
Pine Camp	3/17/2022	11:34	DO	9.23	VCU
Pine Camp	3/31/2022	11:53	DO	9.74	VCU
Pine Camp	4/14/2022	11:46	DO	8.39	VCU
Pine Camp	4/28/2022	10:33	DO	8.99	VCU
Pine Camp	5/12/2022	12:26	DO	8.29	VCU
Pine Camp	5/26/2022	11:57	DO	7.87	VCU
Pine Camp	6/9/2022	12:15	DO	5.49	VCU
Pine Camp	6/23/2022	11:45	DO	6.76	VCU
Pine Camp	7/7/2022	10:50	DO	6.12	VCU

Pine Camp	7/21/2022	12:03	DO	4.64	VCU
Pine Camp	8/4/2022	12:39	DO	5.78	VCU
Pine Camp	8/18/2022	11:29	DO	7.12	VCU
Pine Camp	9/1/2022	11:45	DO	6.09	VCU
Pine Camp	9/15/2022	12:03	DO	6.89	VCU
Pine Camp	9/29/2022	11:33	DO	6.91	VCU
Pine Camp	10/13/2022	11:41	DO	8.02	VCU
Pine Camp	10/27/2022	12:14	DO	6.72	VCU
Pine Camp	11/3/2022	13:07	DO	4.29	VCU
Pine Camp	11/17/2022	12:33	DO	10.12	VCU
Pine Camp	12/1/2022	12:07	DO	10.48	VCU
Pine Camp	12/14/2022	13:33	DO	11.34	VCU
Pine Camp	3/3/2022	11:27	DO_%	99.0	VCU
Pine Camp	3/17/2022	11:34	DO_%	87.5	VCU
Pine Camp	3/31/2022	11:53	DO_%	94.3	VCU
Pine Camp	4/14/2022	11:46	DO_%	90.4	VCU
Pine Camp	4/28/2022	10:33	DO_%	82.7	VCU
Pine Camp	5/12/2022	12:26	DO_%	81.4	VCU
Pine Camp	5/26/2022	11:57	DO_%	80.3	VCU
Pine Camp	6/9/2022	12:15	DO_%	62.5	VCU
Pine Camp	6/23/2022	11:45	DO_%	76.3	VCU
Pine Camp	7/7/2022	10:50	DO_%	71.1	VCU
Pine Camp	7/21/2022	12:03	DO_%	55.4	VCU
Pine Camp	8/4/2022	12:39	DO_%	69.6	VCU
Pine Camp	8/18/2022	11:29	DO_%	77.8	VCU
Pine Camp	9/1/2022	11:45	DO_%	68.5	VCU
Pine Camp	9/15/2022	12:03	DO_%	75.2	VCU
Pine Camp	9/29/2022	11:33	DO_%	68.5	VCU
Pine Camp	10/13/2022	11:41	DO_%	80.5	VCU
Pine Camp	10/27/2022	12:14	DO_%	64.8	VCU
Pine Camp	11/3/2022	13:07	DO_%	42.5	VCU
Pine Camp	11/17/2022	12:33	DO_%	86.5	VCU
Pine Camp	12/1/2022	12:07	DO_%	88.1	VCU
Pine Camp	12/14/2022	13:33	DO_%	90.1	VCU
Pine Camp	3/3/2022	11:27	ECOLI-MF	24	VCU
Pine Camp	3/17/2022	11:34	ECOLI-MF	NTC (>4000)	VCU
Pine Camp	3/31/2022	11:53	ECOLI-MF	34	VCU
Pine Camp	4/14/2022	11:46	ECOLI-MF	47	VCU
Pine Camp	4/28/2022	10:33	ECOLI-MF	229	VCU
Pine Camp	5/12/2022	12:26	ECOLI-MF	96	VCU
Pine Camp	5/26/2022	11:57	ECOLI-MF	408	VCU
Pine Camp	6/9/2022	12:15	ECOLI-MF	1680	VCU
Pine Camp	6/23/2022	11:45	ECOLI-MF	1695	VCU
Pine Camp	7/7/2022	10:50	ECOLI-MF	225	VCU
Pine Camp	7/21/2022	12:03	ECOLI-MF	260	VCU
Pine Camp	8/4/2022	12:39	ECOLI-MF	191	VCU
Pine Camp	8/18/2022	11:29	ECOLI-MF	215	VCU

Pine Camp	9/1/2022	11:45	ECOLI-MF	493	VCU
Pine Camp	9/15/2022	12:03	ECOLI-MF	130	VCU
Pine Camp	9/29/2022	11:33	ECOLI-MF	60	VCU
Pine Camp	10/13/2022	11:41	ECOLI-MF	TNTC	VCU
Pine Camp	10/27/2022	12:14	ECOLI-MF	28	VCU
Pine Camp	11/3/2022	13:07	ECOLI-MF	69	VCU
Pine Camp	11/17/2022	12:33	ECOLI-MF	700	VCU
Pine Camp	12/1/2022	12:07	ECOLI-MF	398	VCU
Pine Camp	12/14/2022	13:33	ECOLI-MF	6	VCU
Pine Camp	3/3/2022	11:27	PH_F	6.37	VCU
Pine Camp	3/17/2022	11:34	PH_F	6.61	VCU
Pine Camp	3/31/2022	11:53	PH_F	6.40	VCU
Pine Camp	4/14/2022	11:46	PH_F	6.31	VCU
Pine Camp	4/28/2022	10:33	PH_F	6.38	VCU
Pine Camp	5/12/2022	12:26	PH_F	6.91	VCU
Pine Camp	5/26/2022	11:57	PH_F	6.49	VCU
Pine Camp	6/9/2022	12:15	PH_F	6.30	VCU
Pine Camp	6/23/2022	11:45	PH_F	6.19	VCU
Pine Camp	7/7/2022	10:50	PH_F	6.36	VCU
Pine Camp	7/21/2022	12:03	PH_F	6.51	VCU
Pine Camp	8/4/2022	12:39	PH_F	6.45	VCU
Pine Camp	8/18/2022	11:29	PH_F	5.76	VCU
Pine Camp	9/1/2022	11:45	PH_F	6.34	VCU
Pine Camp	9/15/2022	12:03	PH_F	6.25	VCU
Pine Camp	9/29/2022	11:33	PH_F	6.34	VCU
Pine Camp	10/13/2022	11:41	PH_F	6.91	VCU
Pine Camp	10/27/2022	12:14	PH_F	6.38	VCU
Pine Camp	11/3/2022	13:07	PH_F	6.22	VCU
Pine Camp	11/17/2022	12:33	PH_F	6.82	VCU
Pine Camp	12/1/2022	12:07	PH_F	6.61	VCU
Pine Camp	12/14/2022	13:33	PH_F	6.10	VCU
Pine Camp	3/3/2022	11:27	PHOS_TOTAL	0.019	VCU
Pine Camp	3/17/2022	11:34	PHOS_TOTAL	0.042	VCU
Pine Camp	3/31/2022	11:53	PHOS_TOTAL	0.027	VCU
Pine Camp	4/14/2022	11:46	PHOS_TOTAL	0.026	VCU
Pine Camp	4/28/2022	10:33	PHOS_TOTAL	0.025	VCU
Pine Camp	5/12/2022	12:26	PHOS_TOTAL	0.026	VCU
Pine Camp	5/26/2022	11:57	PHOS_TOTAL	0.028	VCU
Pine Camp	6/9/2022	12:15	PHOS_TOTAL	0.036	VCU
Pine Camp	6/23/2022	11:45	PHOS_TOTAL	0.026	VCU
Pine Camp	7/7/2022	10:50	PHOS_TOTAL	0.058	VCU
Pine Camp	7/21/2022	12:03	PHOS_TOTAL	0.048	VCU
Pine Camp	8/4/2022	12:39	PHOS_TOTAL	0.073	VCU
Pine Camp	8/18/2022	11:29	PHOS_TOTAL	0.027	VCU
Pine Camp	9/1/2022	11:45	PHOS_TOTAL	0.041	VCU
Pine Camp	9/15/2022	12:03	PHOS_TOTAL	0.036	VCU
Pine Camp	9/29/2022	11:33	PHOS_TOTAL	0.046	VCU

Pine Camp	10/13/2022	11:41	PHOS_TOTAL	0.034	VCU
Pine Camp	10/27/2022	12:14	PHOS_TOTAL	0.036	VCU
Pine Camp	11/3/2022	13:07	PHOS_TOTAL	0.025	VCU
Pine Camp	11/17/2022	12:33	PHOS_TOTAL	0.016	VCU
Pine Camp	12/1/2022	12:07	PHOS_TOTAL	0.031	VCU
Pine Camp	12/14/2022	13:33	PHOS_TOTAL	0.023	VCU
Pine Camp	3/3/2022	11:27	T_NITROGEN	1.401	VCU
Pine Camp	3/17/2022	11:34	T_NITROGEN	0.862	VCU
Pine Camp	3/31/2022	11:53	T_NITROGEN	1.261	VCU
Pine Camp	4/14/2022	11:46	T_NITROGEN	0.882	VCU
Pine Camp	4/28/2022	10:33	T_NITROGEN	0.805	VCU
Pine Camp	5/12/2022	12:26	T_NITROGEN	1.070	VCU
Pine Camp	5/26/2022	11:57	T_NITROGEN	0.985	VCU
Pine Camp	6/9/2022	12:15	T_NITROGEN	1.341	VCU
Pine Camp	6/23/2022	11:45	T_NITROGEN	0.557	VCU
Pine Camp	7/7/2022	10:50	T_NITROGEN	0.768	VCU
Pine Camp	7/21/2022	12:03	T_NITROGEN	0.956	VCU
Pine Camp	8/4/2022	12:39	T_NITROGEN	0.718	VCU
Pine Camp	8/18/2022	11:29	T_NITROGEN	0.886	VCU
Pine Camp	9/1/2022	11:45	T_NITROGEN	0.442	VCU
Pine Camp	9/15/2022	12:03	T_NITROGEN	0.444	VCU
Pine Camp	9/29/2022	11:33	T_NITROGEN	0.307	VCU
Pine Camp	10/13/2022	11:41	T_NITROGEN	0.497	VCU
Pine Camp	10/27/2022	12:14	T_NITROGEN	0.143	VCU
Pine Camp	11/3/2022	13:07	T_NITROGEN	0.371	VCU
Pine Camp	11/17/2022	12:33	T_NITROGEN	0.704	VCU
Pine Camp	12/1/2022	12:07	T_NITROGEN	0.350	VCU
Pine Camp	12/14/2022	13:33	T_NITROGEN	0.846	VCU
Pine Camp	3/3/2022	11:27	TEMP_FIELD	11.3	VCU
Pine Camp	3/17/2022	11:34	TEMP_FIELD	12.9	VCU
Pine Camp	3/31/2022	11:53	TEMP_FIELD	13.9	VCU
Pine Camp	4/14/2022	11:46	TEMP_FIELD	19.1	VCU
Pine Camp	4/28/2022	10:33	TEMP_FIELD	11.6	VCU
Pine Camp	5/12/2022	12:26	TEMP_FIELD	14.5	VCU
Pine Camp	5/26/2022	11:57	TEMP_FIELD	16.3	VCU
Pine Camp	6/9/2022	12:15	TEMP_FIELD	21.7	VCU
Pine Camp	6/23/2022	11:45	TEMP_FIELD	21.3	VCU
Pine Camp	7/7/2022	10:50	TEMP_FIELD	22.7	VCU
Pine Camp	7/21/2022	12:03	TEMP_FIELD	24.3	VCU
Pine Camp	8/4/2022	12:39	TEMP_FIELD	24.7	VCU
Pine Camp	8/18/2022	11:29	TEMP_FIELD	19.7	VCU
Pine Camp	9/1/2022	11:45	TEMP_FIELD	21.1	VCU
Pine Camp	9/15/2022	12:03	TEMP_FIELD	19.6	VCU
Pine Camp	9/29/2022	11:33	TEMP_FIELD	14.9	VCU
Pine Camp	10/13/2022	11:41	TEMP_FIELD	15.5	VCU
Pine Camp	10/27/2022	12:14	TEMP_FIELD	13.7	VCU
Pine Camp	11/3/2022	13:07	TEMP_FIELD	14.9	VCU

Pine Camp	11/17/2022	12:33	TEMP_FIELD	8.5	VCU
Pine Camp	12/1/2022	12:07	TEMP_FIELD	7.8	VCU
Pine Camp	12/14/2022	13:33	TEMP_FIELD	6.5	VCU
Pine Camp	3/3/2022	11:27	TSS	3.24	VCU
Pine Camp	3/17/2022	11:34	TSS	16.66	VCU
Pine Camp	3/31/2022	11:53	TSS	1.35	VCU
Pine Camp	4/14/2022	11:46	TSS	1.83	VCU
Pine Camp	4/28/2022	10:33	TSS	1.65	VCU
Pine Camp	5/12/2022	12:26	TSS	2.62	VCU
Pine Camp	5/26/2022	11:57	TSS	1.00	VCU
Pine Camp	6/9/2022	12:15	TSS	51.88	VCU
Pine Camp	6/23/2022	11:45	TSS	5.03	VCU
Pine Camp	7/7/2022	10:50	TSS	4.68	VCU
Pine Camp	7/21/2022	12:03	TSS	11.29	VCU
Pine Camp	8/4/2022	12:39	TSS	2.20	VCU
Pine Camp	8/18/2022	11:29	TSS	1.34	VCU
Pine Camp	9/1/2022	11:45	TSS	1.13	VCU
Pine Camp	9/15/2022	12:03	TSS	6.10	VCU
Pine Camp	9/29/2022	11:33	TSS	2.63	VCU
Pine Camp	10/13/2022	11:41	TSS	1.53	VCU
Pine Camp	10/27/2022	12:14	TSS	0.60	VCU
Pine Camp	11/3/2022	13:07	TSS	1.81	VCU
Pine Camp	11/17/2022	12:33	TSS	2.04	VCU
Pine Camp	12/1/2022	12:07	TSS	3.09	VCU
Pine Camp	12/14/2022	13:33	TSS	0.48	VCU
Pine Camp	3/3/2022	11:27	TURB	2.46	VCU
Pine Camp	3/17/2022	11:34	TURB	22.30	VCU
Pine Camp	3/31/2022	11:53	TURB	2.63	VCU
Pine Camp	4/14/2022	11:46	TURB	4.89	VCU
Pine Camp	4/28/2022	10:33	TURB	4.71	VCU
Pine Camp	5/12/2022	12:26	TURB	6.81	VCU
Pine Camp	5/26/2022	11:57	TURB	3.37	VCU
Pine Camp	6/9/2022	12:15	TURB	2.35	VCU
Pine Camp	6/23/2022	11:45	TURB	1.73	VCU
Pine Camp	7/7/2022	10:50	TURB	2.77	VCU
Pine Camp	7/21/2022	12:03	TURB	4.43	VCU
Pine Camp	8/4/2022	12:39	TURB	18.30	VCU
Pine Camp	8/18/2022	11:29	TURB	2.19	VCU
Pine Camp	9/1/2022	11:45	TURB	3.73	VCU
Pine Camp	9/15/2022	12:03	TURB	0.88	VCU
Pine Camp	9/29/2022	11:33	TURB	4.76	VCU
Pine Camp	10/13/2022	11:41	TURB	1.25	VCU
Pine Camp	10/27/2022	12:14	TURB	1.36	VCU
Pine Camp	11/3/2022	13:07	TURB	2.83	VCU
Pine Camp	11/17/2022	12:33	TURB	1.07	VCU
Pine Camp	12/1/2022	12:07	TURB	2.06	VCU
Pine Camp	12/14/2022	13:33	TURB	3.06	VCU

Pocosham	1/6/2022	13:45	AMM	0.051	VCU
Pocosham	1/20/2022	9:23	AMM	0.034	VCU
Pocosham	2/3/2022	12:33	AMM	0.044	VCU
Pocosham	2/17/2022	10:47	AMM	0.015	VCU
Pocosham	1/6/2022	13:45	COND	233.8	VCU
Pocosham	1/20/2022	9:23	COND	173.7	VCU
Pocosham	2/3/2022	12:33	COND	217.9	VCU
Pocosham	2/17/2022	10:47	COND	146.2	VCU
Pocosham	1/6/2022	13:45	DISCHARGE	0.100	VCU
Pocosham	1/20/2022	9:23	DISCHARGE	0.140	VCU
Pocosham	2/3/2022	12:33	DISCHARGE	0.060	VCU
Pocosham	2/17/2022	10:47	DISCHARGE	0.074	VCU
Pocosham	1/6/2022	13:45	DO	11.65	VCU
Pocosham	1/20/2022	9:23	DO	12.10	VCU
Pocosham	2/3/2022	12:33	DO	13.23	VCU
Pocosham	2/17/2022	10:47	DO	14.01	VCU
Pocosham	1/6/2022	13:45	DO_%	99.4	VCU
Pocosham	1/20/2022	9:23	DO_%	96.1	VCU
Pocosham	2/3/2022	12:33	DO_%	108.5	VCU
Pocosham	2/17/2022	10:47	DO_%	122.7	VCU
Pocosham	1/6/2022	13:45	ECOLI-MF	330	VCU
Pocosham	1/20/2022	9:23	ECOLI-MF	147	VCU
Pocosham	2/3/2022	12:33	ECOLI-MF	230	VCU
Pocosham	2/17/2022	10:47	ECOLI-MF	63	VCU
Pocosham	1/6/2022	13:45	PH_F	7.21	VCU
Pocosham	1/20/2022	9:23	PH_F	6.80	VCU
Pocosham	2/3/2022	12:33	PH_F	7.13	VCU
Pocosham	2/17/2022	10:47	PH_F	7.24	VCU
Pocosham	1/6/2022	13:45	PHOS_TOTAL	0.028	VCU
Pocosham	1/20/2022	9:23	PHOS_TOTAL	0.023	VCU
Pocosham	2/3/2022	12:33	PHOS_TOTAL	0.036	VCU
Pocosham	2/17/2022	10:47	PHOS_TOTAL	0.030	VCU
Pocosham	1/6/2022	13:45	T_NITROGEN	1.218	VCU
Pocosham	1/20/2022	9:23	T_NITROGEN	1.214	VCU
Pocosham	2/3/2022	12:33	T_NITROGEN	0.988	VCU
Pocosham	2/17/2022	10:47	T_NITROGEN	0.937	VCU
Pocosham	1/6/2022	13:45	TEMP_FIELD	8.4	VCU
Pocosham	1/20/2022	9:23	TEMP_FIELD	5.5	VCU
Pocosham	2/3/2022	12:33	TEMP_FIELD	6.8	VCU
Pocosham	2/17/2022	10:47	TEMP_FIELD	9.5	VCU
Pocosham	1/6/2022	13:45	TSS	2.53	VCU
Pocosham	1/20/2022	9:23	TSS	2.17	VCU
Pocosham	2/3/2022	12:33	TSS	2.44	VCU
Pocosham	2/17/2022	10:47	TSS	3.93	VCU
Pocosham	1/6/2022	13:45	TURB	6.83	VCU
Pocosham	1/20/2022	9:23	TURB	2.90	VCU
Pocosham	2/3/2022	12:33	TURB	1.35	VCU

Pocosham	2/17/2022	10:47	TURB	1.73	VCU
Reedy	1/6/2022	11:30	AMM	0.038	VCU
Reedy	1/20/2022	12:27	AMM	0.197	VCU
Reedy	2/3/2022	9:44	AMM	0.065	VCU
Reedy	2/17/2022	8:50	AMM	0.045	VCU
Reedy	3/3/2022	13:22	AMM	0.019	VCU
Reedy	3/17/2022	9:30	AMM	0.044	VCU
Reedy	3/31/2022	9:24	AMM	0.026	VCU
Reedy	4/14/2022	9:22	AMM	0.110	VCU
Reedy	4/28/2022	13:16	AMM	0.048	VCU
Reedy	5/12/2022	10:02	AMM	0.046	VCU
Reedy	5/26/2022	9:26	AMM	0.043	VCU
Reedy	6/9/2022	10:05	AMM	0.037	VCU
Reedy	6/23/2022	9:16	AMM	0.067	VCU
Reedy	7/7/2022	12:58	AMM	0.046	VCU
Reedy	7/21/2022	9:47	AMM	0.064	VCU
Reedy	8/4/2022	10:38	AMM	0.018	VCU
Reedy	8/18/2022	9:23	AMM	0.017	VCU
Reedy	9/1/2022	13:47	AMM	0.027	VCU
Reedy	9/15/2022	9:52	AMM	0.009	VCU
Reedy	9/29/2022	9:29	AMM	0.086	VCU
Reedy	10/13/2022	9:24	AMM	0.028	VCU
Reedy	10/27/2022	9:42	AMM	0.021	VCU
Reedy	11/3/2022	10:17	AMM	0.050	VCU
Reedy	11/17/2022	10:24	AMM	0.035	VCU
Reedy	12/1/2022	9:53	AMM	0.033	VCU
Reedy	12/14/2022	11:01	AMM	0.032	VCU
Reedy	1/6/2022	11:30	COND	277.8	VCU
Reedy	1/20/2022	12:27	COND	288.2	VCU
Reedy	2/3/2022	9:44	COND	302.1	VCU
Reedy	2/17/2022	8:50	COND	219.9	VCU
Reedy	3/3/2022	13:22	COND	225.6	VCU
Reedy	3/17/2022	9:30	COND	197.2	VCU
Reedy	3/31/2022	9:24	COND	198.1	VCU
Reedy	4/14/2022	9:22	COND	199.3	VCU
Reedy	4/28/2022	13:16	COND	170.9	VCU
Reedy	5/12/2022	10:02	COND	190.7	VCU
Reedy	5/26/2022	9:26	COND	167.2	VCU
Reedy	6/9/2022	10:05	COND	196.1	VCU
Reedy	6/23/2022	9:16	COND	67.9	VCU
Reedy	7/7/2022	12:58	COND	189.3	VCU
Reedy	7/21/2022	9:47	COND	134.2	VCU
Reedy	8/4/2022	10:38	COND	157.5	VCU
Reedy	8/18/2022	9:23	COND	195.3	VCU
Reedy	9/1/2022	13:47	COND	202.2	VCU
Reedy	9/15/2022	9:52	COND	173.0	VCU
Reedy	9/29/2022	9:29	COND	217.8	VCU

Reedy	10/13/2022	9:24	COND	241.9	VCU
Reedy	10/27/2022	9:42	COND	226.8	VCU
Reedy	11/3/2022	10:17	COND	220.4	VCU
Reedy	11/17/2022	10:24	COND	136.5	VCU
Reedy	12/1/2022	9:53	COND	112.4	VCU
Reedy	12/14/2022	11:01	COND	210.1	VCU
Reedy	1/6/2022	11:30	DISCHARGE	0.063	VCU
Reedy	1/20/2022	12:27	DISCHARGE	0.341	VCU
Reedy	2/3/2022	9:44	DISCHARGE	0.018	VCU
Reedy	2/17/2022	8:50	DISCHARGE	0.018	VCU
Reedy	3/3/2022	13:22	DISCHARGE	0.019	VCU
Reedy	3/17/2022	9:30	DISCHARGE	0.263	VCU
Reedy	3/31/2022	9:24	DISCHARGE	0.022	VCU
Reedy	4/14/2022	9:22	DISCHARGE	0.016	VCU
Reedy	4/28/2022	13:16	DISCHARGE	0.020	VCU
Reedy	5/12/2022	10:02	DISCHARGE	0.016	VCU
Reedy	5/26/2022	9:26	DISCHARGE	0.028	VCU
Reedy	6/9/2022	10:05	DISCHARGE	0.013	VCU
Reedy	6/23/2022	9:16	DISCHARGE	0.130	VCU
Reedy	7/7/2022	12:58	DISCHARGE	0.0094	VCU
Reedy	7/21/2022	9:47	DISCHARGE	0.011	VCU
Reedy	8/4/2022	10:38	DISCHARGE	0.012	VCU
Reedy	8/18/2022	9:23	DISCHARGE	0.008	VCU
Reedy	9/1/2022	13:47	DISCHARGE	0.003	VCU
Reedy	9/15/2022	9:52	DISCHARGE	0.006	VCU
Reedy	9/29/2022	9:29	DISCHARGE	0.004	VCU
Reedy	10/13/2022	9:24	DISCHARGE	0.009	VCU
Reedy	10/27/2022	9:42	DISCHARGE	0.005	VCU
Reedy	11/3/2022	10:17	DISCHARGE	0.007	VCU
Reedy	11/17/2022	10:24	DISCHARGE	0.037	VCU
Reedy	12/1/2022	9:53	DISCHARGE	0.047	VCU
Reedy	12/14/2022	11:01	DISCHARGE	0.017	VCU
Reedy	1/6/2022	11:30	DO	11.89	VCU
Reedy	1/20/2022	12:27	DO	11.69	VCU
Reedy	2/3/2022	9:44	DO	12.03	VCU
Reedy	2/17/2022	8:50	DO	12.01	VCU
Reedy	3/3/2022	13:22	DO	15.78	VCU
Reedy	3/17/2022	9:30	DO	10.20	VCU
Reedy	3/31/2022	9:24	DO	10.38	VCU
Reedy	4/14/2022	9:22	DO	8.14	VCU
Reedy	4/28/2022	13:16	DO	10.50	VCU
Reedy	5/12/2022	10:02	DO	9.22	VCU
Reedy	5/26/2022	9:26	DO	8.98	VCU
Reedy	6/9/2022	10:05	DO	8.20	VCU
Reedy	6/23/2022	9:16	DO	7.43	VCU
Reedy	7/7/2022	12:58	DO	9.12	VCU
Reedy	7/21/2022	9:47	DO	7.00	VCU

Reedy	8/4/2022	10:38	DO	6.69	VCU
Reedy	8/18/2022	9:23	DO	7.61	VCU
Reedy	9/1/2022	13:47	DO	9.55	VCU
Reedy	9/15/2022	9:52	DO	7.76	VCU
Reedy	9/29/2022	9:29	DO	8.13	VCU
Reedy	10/13/2022	9:24	DO	7.78	VCU
Reedy	10/27/2022	9:42	DO	8.32	VCU
Reedy	11/3/2022	10:17	DO	7.23	VCU
Reedy	11/17/2022	10:24	DO	11.44	VCU
Reedy	12/1/2022	9:53	DO	11.76	VCU
Reedy	12/14/2022	11:01	DO	13.61	VCU
Reedy	1/6/2022	11:30	DO_%	99.8	VCU
Reedy	1/20/2022	12:27	DO_%	95.9	VCU
Reedy	2/3/2022	9:44	DO_%	97.2	VCU
Reedy	2/17/2022	8:50	DO_%	101.0	VCU
Reedy	3/3/2022	13:22	DO_%	155.8	VCU
Reedy	3/17/2022	9:30	DO_%	95.8	VCU
Reedy	3/31/2022	9:24	DO_%	97.9	VCU
Reedy	4/14/2022	9:22	DO_%	86.2	VCU
Reedy	4/28/2022	13:16	DO_%	107.6	VCU
Reedy	5/12/2022	10:02	DO_%	92.8	VCU
Reedy	5/26/2022	9:26	DO_%	93.8	VCU
Reedy	6/9/2022	10:05	DO_%	95.6	VCU
Reedy	6/23/2022	9:16	DO_%	86.1	VCU
Reedy	7/7/2022	12:58	DO_%	111.5	VCU
Reedy	7/21/2022	9:47	DO_%	86.3	VCU
Reedy	8/4/2022	10:38	DO_%	81.1	VCU
Reedy	8/18/2022	9:23	DO_%	83.6	VCU
Reedy	9/1/2022	13:47	DO_%	113.1	VCU
Reedy	9/15/2022	9:52	DO_%	83.6	VCU
Reedy	9/29/2022	9:29	DO_%	80.5	VCU
Reedy	10/13/2022	9:24	DO_%	77.7	VCU
Reedy	10/27/2022	9:42	DO_%	80.2	VCU
Reedy	11/3/2022	10:17	DO_%	70.6	VCU
Reedy	11/17/2022	10:24	DO_%	97.9	VCU
Reedy	12/1/2022	9:53	DO_%	98.3	VCU
Reedy	12/14/2022	11:01	DO_%	108.7	VCU
Reedy	1/6/2022	11:30	ECOLI-MF	308	VCU
Reedy	1/20/2022	12:27	ECOLI-MF	260	VCU
Reedy	2/3/2022	9:44	ECOLI-MF	36	VCU
Reedy	2/17/2022	8:50	ECOLI-MF	47	VCU
Reedy	3/3/2022	13:22	ECOLI-MF	21	VCU
Reedy	3/17/2022	9:30	ECOLI-MF	338	VCU
Reedy	3/31/2022	9:24	ECOLI-MF	76	VCU
Reedy	4/14/2022	9:22	ECOLI-MF	212	VCU
Reedy	4/28/2022	13:16	ECOLI-MF	579	VCU
Reedy	5/12/2022	10:02	ECOLI-MF	427	VCU

Reedy	5/26/2022	9:26	ECOLI-MF	366	VCU
Reedy	6/9/2022	10:05	ECOLI-MF	305	VCU
Reedy	6/23/2022	9:16	ECOLI-MF	2220	VCU
Reedy	7/7/2022	12:58	ECOLI-MF	143	VCU
Reedy	7/21/2022	9:47	ECOLI-MF	394	VCU
Reedy	8/4/2022	10:38	ECOLI-MF	129	VCU
Reedy	8/18/2022	9:23	ECOLI-MF	109	VCU
Reedy	9/1/2022	13:47	ECOLI-MF	427	VCU
Reedy	9/15/2022	9:52	ECOLI-MF	268	VCU
Reedy	9/29/2022	9:29	ECOLI-MF	133	VCU
Reedy	10/13/2022	9:24	ECOLI-MF	268	VCU
Reedy	10/27/2022	9:42	ECOLI-MF	172	VCU
Reedy	11/3/2022	10:17	ECOLI-MF	168	VCU
Reedy	11/17/2022	10:24	ECOLI-MF	428	VCU
Reedy	12/1/2022	9:53	ECOLI-MF	735	VCU
Reedy	12/14/2022	11:01	ECOLI-MF	46	VCU
Reedy	1/6/2022	11:30	PH_F	7.14	VCU
Reedy	1/20/2022	12:27	PH_F	7.05	VCU
Reedy	2/3/2022	9:44	PH_F	7.24	VCU
Reedy	2/17/2022	8:50	PH_F	7.24	VCU
Reedy	3/3/2022	13:22	PH_F	9.43	VCU
Reedy	3/17/2022	9:30	PH_F	6.99	VCU
Reedy	3/31/2022	9:24	PH_F	7.23	VCU
Reedy	4/14/2022	9:22	PH_F	7.09	VCU
Reedy	4/28/2022	13:16	PH_F	7.48	VCU
Reedy	5/12/2022	10:02	PH_F	7.09	VCU
Reedy	5/26/2022	9:26	PH_F	7.00	VCU
Reedy	6/9/2022	10:05	PH_F	7.39	VCU
Reedy	6/23/2022	9:16	PH_F	6.86	VCU
Reedy	7/7/2022	12:58	PH_F	8.93	VCU
Reedy	7/21/2022	9:47	PH_F	7.25	VCU
Reedy	8/4/2022	10:38	PH_F	7.19	VCU
Reedy	8/18/2022	9:23	PH_F	7.03	VCU
Reedy	9/1/2022	13:47	PH_F	7.93	VCU
Reedy	9/15/2022	9:52	PH_F	7.13	VCU
Reedy	9/29/2022	9:29	PH_F	7.10	VCU
Reedy	10/13/2022	9:24	PH_F	7.35	VCU
Reedy	10/27/2022	9:42	PH_F	7.15	VCU
Reedy	11/3/2022	10:17	PH_F	7.05	VCU
Reedy	11/17/2022	10:24	PH_F	7.19	VCU
Reedy	12/1/2022	9:53	PH_F	7.32	VCU
Reedy	12/14/2022	11:01	PH_F	7.64	VCU
Reedy	1/6/2022	11:30	PHOS_TOTAL	0.043	VCU
Reedy	1/20/2022	12:27	PHOS_TOTAL	0.085	VCU
Reedy	2/3/2022	9:44	PHOS_TOTAL	0.049	VCU
Reedy	2/17/2022	8:50	PHOS_TOTAL	0.044	VCU
Reedy	3/3/2022	13:22	PHOS_TOTAL	0.035	VCU

Reedy	3/17/2022	9:30	PHOS_TOTAL	0.056	VCU
Reedy	3/31/2022	9:24	PHOS_TOTAL	0.024	VCU
Reedy	4/14/2022	9:22	PHOS_TOTAL	0.057	VCU
Reedy	4/28/2022	13:16	PHOS_TOTAL	0.061	VCU
Reedy	5/12/2022	10:02	PHOS_TOTAL	0.052	VCU
Reedy	5/26/2022	9:26	PHOS_TOTAL	0.049	VCU
Reedy	6/9/2022	10:05	PHOS_TOTAL	0.041	VCU
Reedy	6/23/2022	9:16	PHOS_TOTAL	0.026	VCU
Reedy	7/7/2022	12:58	PHOS_TOTAL	0.089	VCU
Reedy	7/21/2022	9:47	PHOS_TOTAL	0.074	VCU
Reedy	8/4/2022	10:38	PHOS_TOTAL	0.114	VCU
Reedy	8/18/2022	9:23	PHOS_TOTAL	0.095	VCU
Reedy	9/1/2022	13:47	PHOS_TOTAL	0.076	VCU
Reedy	9/15/2022	9:52	PHOS_TOTAL	0.069	VCU
Reedy	9/29/2022	9:29	PHOS_TOTAL	0.090	VCU
Reedy	10/13/2022	9:24	PHOS_TOTAL	0.049	VCU
Reedy	10/27/2022	9:42	PHOS_TOTAL	0.073	VCU
Reedy	11/3/2022	10:17	PHOS_TOTAL	0.062	VCU
Reedy	11/17/2022	10:24	PHOS_TOTAL	0.057	VCU
Reedy	12/1/2022	9:53	PHOS_TOTAL	0.031	VCU
Reedy	12/14/2022	11:01	PHOS_TOTAL	0.070	VCU
Reedy	1/6/2022	11:30	T_NITROGEN	1.219	VCU
Reedy	1/20/2022	12:27	T_NITROGEN	1.698	VCU
Reedy	2/3/2022	9:44	T_NITROGEN	1.233	VCU
Reedy	2/17/2022	8:50	T_NITROGEN	1.535	VCU
Reedy	3/3/2022	13:22	T_NITROGEN	0.867	VCU
Reedy	3/17/2022	9:30	T_NITROGEN	1.055	VCU
Reedy	3/31/2022	9:24	T_NITROGEN	0.877	VCU
Reedy	4/14/2022	9:22	T_NITROGEN	0.765	VCU
Reedy	4/28/2022	13:16	T_NITROGEN	0.738	VCU
Reedy	5/12/2022	10:02	T_NITROGEN	0.912	VCU
Reedy	5/26/2022	9:26	T_NITROGEN	0.762	VCU
Reedy	6/9/2022	10:05	T_NITROGEN	0.830	VCU
Reedy	6/23/2022	9:16	T_NITROGEN	0.779	VCU
Reedy	7/7/2022	12:58	T_NITROGEN	0.634	VCU
Reedy	7/21/2022	9:47	T_NITROGEN	1.054	VCU
Reedy	8/4/2022	10:38	T_NITROGEN	0.890	VCU
Reedy	8/18/2022	9:23	T_NITROGEN	1.218	VCU
Reedy	9/1/2022	13:47	T_NITROGEN	1.091	VCU
Reedy	9/15/2022	9:52	T_NITROGEN	0.630	VCU
Reedy	9/29/2022	9:29	T_NITROGEN	1.246	VCU
Reedy	10/13/2022	9:24	T_NITROGEN	0.491	VCU
Reedy	10/27/2022	9:42	T_NITROGEN	0.670	VCU
Reedy	11/3/2022	10:17	T_NITROGEN	0.400	VCU
Reedy	11/17/2022	10:24	T_NITROGEN	1.134	VCU
Reedy	12/1/2022	9:53	T_NITROGEN	0.462	VCU
Reedy	12/14/2022	11:01	T_NITROGEN	1.139	VCU

Reedy	1/6/2022	11:30	TEMP_FIELD	7.7	VCU
Reedy	1/20/2022	12:27	TEMP_FIELD	6.8	VCU
Reedy	2/3/2022	9:44	TEMP_FIELD	6.2	VCU
Reedy	2/17/2022	8:50	TEMP_FIELD	7.8	VCU
Reedy	3/3/2022	13:22	TEMP_FIELD	14.5	VCU
Reedy	3/17/2022	9:30	TEMP_FIELD	12.5	VCU
Reedy	3/31/2022	9:24	TEMP_FIELD	12.7	VCU
Reedy	4/14/2022	9:22	TEMP_FIELD	18.1	VCU
Reedy	4/28/2022	13:16	TEMP_FIELD	16.5	VCU
Reedy	5/12/2022	10:02	TEMP_FIELD	15.7	VCU
Reedy	5/26/2022	9:26	TEMP_FIELD	17.4	VCU
Reedy	6/9/2022	10:05	TEMP_FIELD	22.9	VCU
Reedy	6/23/2022	9:16	TEMP_FIELD	22.7	VCU
Reedy	7/7/2022	12:58	TEMP_FIELD	25.5	VCU
Reedy	7/21/2022	9:47	TEMP_FIELD	26.0	VCU
Reedy	8/4/2022	10:38	TEMP_FIELD	24.9	VCU
Reedy	8/18/2022	9:23	TEMP_FIELD	19.9	VCU
Reedy	9/1/2022	13:47	TEMP_FIELD	23.8	VCU
Reedy	9/15/2022	9:52	TEMP_FIELD	19.3	VCU
Reedy	9/29/2022	9:29	TEMP_FIELD	14.9	VCU
Reedy	10/13/2022	9:24	TEMP_FIELD	15.3	VCU
Reedy	10/27/2022	9:42	TEMP_FIELD	13.7	VCU
Reedy	11/3/2022	10:17	TEMP_FIELD	14.3	VCU
Reedy	11/17/2022	10:24	TEMP_FIELD	8.5	VCU
Reedy	12/1/2022	9:53	TEMP_FIELD	7.6	VCU
Reedy	12/14/2022	11:01	TEMP_FIELD	5.7	VCU
Reedy	1/6/2022	11:30	TSS	1.74	VCU
Reedy	1/20/2022	12:27	TSS	14.51	VCU
Reedy	2/3/2022	9:44	TSS	1.28	VCU
Reedy	2/17/2022	8:50	TSS	1.21	VCU
Reedy	3/3/2022	13:22	TSS	1.51	VCU
Reedy	3/17/2022	9:30	TSS	5.65	VCU
Reedy	3/31/2022	9:24	TSS	1.37	VCU
Reedy	4/14/2022	9:22	TSS	2.07	VCU
Reedy	4/28/2022	13:16	TSS	1.87	VCU
Reedy	5/12/2022	10:02	TSS	1.24	VCU
Reedy	5/26/2022	9:26	TSS	1.37	VCU
Reedy	6/9/2022	10:05	TSS	1.51	VCU
Reedy	6/23/2022	9:16	TSS	5.04	VCU
Reedy	7/7/2022	12:58	TSS	0.29	VCU
Reedy	7/21/2022	9:47	TSS	6.76	VCU
Reedy	8/4/2022	10:38	TSS	1.12	VCU
Reedy	8/18/2022	9:23	TSS	0.29	VCU
Reedy	9/1/2022	13:47	TSS	0.84	VCU
Reedy	9/15/2022	9:52	TSS	1.36	VCU
Reedy	9/29/2022	9:29	TSS	3.21	VCU
Reedy	10/13/2022	9:24	TSS	0.75	VCU

Reedy	10/27/2022	9:42	TSS	0.07	VCU
Reedy	11/3/2022	10:17	TSS	0.59	VCU
Reedy	11/17/2022	10:24	TSS	4.14	VCU
Reedy	12/1/2022	9:53	TSS	5.07	VCU
Reedy	12/14/2022	11:01	TSS	0.58	VCU
Reedy	1/6/2022	11:30	TURB	5.68	VCU
Reedy	1/20/2022	12:27	TURB	11.80	VCU
Reedy	2/3/2022	9:44	TURB	0.60	VCU
Reedy	2/17/2022	8:50	TURB	1.07	VCU
Reedy	3/3/2022	13:22	TURB	1.47	VCU
Reedy	3/17/2022	9:30	TURB	6.11	VCU
Reedy	3/31/2022	9:24	TURB	1.49	VCU
Reedy	4/14/2022	9:22	TURB	2.32	VCU
Reedy	4/28/2022	13:16	TURB	5.35	VCU
Reedy	5/12/2022	10:02	TURB	0.98	VCU
Reedy	5/26/2022	9:26	TURB	6.69	VCU
Reedy	6/9/2022	10:05	TURB	1.88	VCU
Reedy	6/23/2022	9:16	TURB	7.01	VCU
Reedy	7/7/2022	12:58	TURB	2.01	VCU
Reedy	7/21/2022	9:47	TURB	4.15	VCU
Reedy	8/4/2022	10:38	TURB	1.56	VCU
Reedy	8/18/2022	9:23	TURB	1.47	VCU
Reedy	9/1/2022	13:47	TURB	1.28	VCU
Reedy	9/15/2022	9:52	TURB	5.85	VCU
Reedy	9/29/2022	9:29	TURB	1.52	VCU
Reedy	10/13/2022	9:24	TURB	2.87	VCU
Reedy	10/27/2022	9:42	TURB	0.45	VCU
Reedy	11/3/2022	10:17	TURB	1.64	VCU
Reedy	11/17/2022	10:24	TURB	6.25	VCU
Reedy	12/1/2022	9:53	TURB	11.20	VCU
Reedy	12/14/2022	11:01	TURB	0.99	VCU
Shockoe	1/6/2022	15:30	AMM	0.050	VCU
Shockoe	1/20/2022	11:42	AMM	0.093	VCU
Shockoe	2/3/2022	14:37	AMM	0.098	VCU
Shockoe	2/17/2022	12:36	AMM	0.065	VCU
Shockoe	1/6/2022	15:30	COND	203.5	VCU
Shockoe	1/20/2022	11:42	COND	192.4	VCU
Shockoe	2/3/2022	14:37	COND	236.6	VCU
Shockoe	2/17/2022	12:36	COND	182.5	VCU
Shockoe	1/6/2022	15:30	DISCHARGE	0.006	VCU
Shockoe	1/20/2022	11:42	DISCHARGE	0.072	VCU
Shockoe	2/3/2022	14:37	DISCHARGE	0.055	VCU
Shockoe	2/17/2022	12:36	DISCHARGE	0.012	VCU
Shockoe	1/6/2022	15:30	DO	11.16	VCU
Shockoe	1/20/2022	11:42	DO	11.99	VCU
Shockoe	2/3/2022	14:37	DO	11.69	VCU
Shockoe	2/17/2022	12:36	DO	11.47	VCU

Shockoe	1/6/2022	15:30	DO_%	95.3	VCU
Shockoe	1/20/2022	11:42	DO_%	96.8	VCU
Shockoe	2/3/2022	14:37	DO_%	96.8	VCU
Shockoe	2/17/2022	12:36	DO_%	100.6	VCU
Shockoe	1/6/2022	15:30	ECOLI-MF	189	VCU
Shockoe	1/20/2022	11:42	ECOLI-MF	113	VCU
Shockoe	2/3/2022	14:37	ECOLI-MF	88	VCU
Shockoe	2/17/2022	12:36	ECOLI-MF	13	VCU
Shockoe	1/6/2022	15:30	PH_F	7.85	VCU
Shockoe	1/20/2022	11:42	PH_F	7.04	VCU
Shockoe	2/3/2022	14:37	PH_F	7.14	VCU
Shockoe	2/17/2022	12:36	PH_F	7.10	VCU
Shockoe	1/6/2022	15:30	PHOS_TOTAL	0.023	VCU
Shockoe	1/20/2022	11:42	PHOS_TOTAL	0.019	VCU
Shockoe	2/3/2022	14:37	PHOS_TOTAL	0.036	VCU
Shockoe	2/17/2022	12:36	PHOS_TOTAL	0.029	VCU
Shockoe	1/6/2022	15:30	T_NITROGEN	1.238	VCU
Shockoe	1/20/2022	11:42	T_NITROGEN	1.316	VCU
Shockoe	2/3/2022	14:37	T_NITROGEN	1.170	VCU
Shockoe	2/17/2022	12:36	T_NITROGEN	1.298	VCU
Shockoe	1/6/2022	15:30	TEMP_FIELD	8.4	VCU
Shockoe	1/20/2022	11:42	TEMP_FIELD	6.2	VCU
Shockoe	2/3/2022	14:37	TEMP_FIELD	7.2	VCU
Shockoe	2/17/2022	12:36	TEMP_FIELD	9.6	VCU
Shockoe	1/6/2022	15:30	TSS	13.78	VCU
Shockoe	1/20/2022	11:42	TSS	8.14	VCU
Shockoe	2/3/2022	14:37	TSS	17.68	VCU
Shockoe	2/17/2022	12:36	TSS	3.63	VCU
Shockoe	1/6/2022	15:30	TURB	4.18	VCU
Shockoe	1/20/2022	11:42	TURB	3.69	VCU
Shockoe	2/3/2022	14:37	TURB	8.95	VCU
Shockoe	2/17/2022	12:36	TURB	1.85	VCU
Westham Lower	1/6/2022	12:45	AMM	0.054	VCU
Westham Lower	1/20/2022	7:55	AMM	0.085	VCU
Westham Lower	2/3/2022	11:26	AMM	0.094	VCU
Westham Lower	2/17/2022	10:14	AMM	0.066	VCU
Westham Lower	3/3/2022	10:38	AMM	0.063	VCU
Westham Lower	1/6/2022	12:45	COND	213.3	VCU
Westham Lower	1/20/2022	7:55	COND	333.0	VCU
Westham Lower	2/3/2022	11:26	COND	355.0	VCU
Westham Lower	2/17/2022	10:14	COND	309.7	VCU
Westham Lower	3/3/2022	10:38	COND	298.8	VCU
Westham Lower	1/6/2022	12:45	DISCHARGE	0.058	VCU
Westham Lower	1/20/2022	7:55	DISCHARGE	0.071	VCU
Westham Lower	2/3/2022	11:26	DISCHARGE	0.052	VCU
Westham Lower	2/17/2022	10:14	DISCHARGE	0.040	VCU
Westham Lower	3/3/2022	10:38	DISCHARGE	0.037	VCU

Westham Lower	1/6/2022	12:45	DO	11.11	VCU
Westham Lower	1/20/2022	7:55	DO	12.21	VCU
Westham Lower	2/3/2022	11:26	DO	12.65	VCU
Westham Lower	2/17/2022	10:14	DO	12.31	VCU
Westham Lower	3/3/2022	10:38	DO	11.64	VCU
Westham Lower	1/6/2022	12:45	DO_%	97.5	VCU
Westham Lower	1/20/2022	7:55	DO_%	94.3	VCU
Westham Lower	2/3/2022	11:26	DO_%	102.1	VCU
Westham Lower	2/17/2022	10:14	DO_%	105.5	VCU
Westham Lower	3/3/2022	10:38	DO_%	106.3	VCU
Westham Lower	1/6/2022	12:45	ECOLI-MF	771	VCU
Westham Lower	1/20/2022	7:55	ECOLI-MF	421	VCU
Westham Lower	2/3/2022	11:26	ECOLI-MF	47	VCU
Westham Lower	2/17/2022	10:14	ECOLI-MF	16	VCU
Westham Lower	3/3/2022	10:38	ECOLI-MF	23	VCU
Westham Lower	1/6/2022	12:45	PH_F	7.24	VCU
Westham Lower	1/20/2022	7:55	PH_F	6.89	VCU
Westham Lower	2/3/2022	11:26	PH_F	7.21	VCU
Westham Lower	2/17/2022	10:14	PH_F	7.07	VCU
Westham Lower	3/3/2022	10:38	PH_F	7.59	VCU
Westham Lower	1/6/2022	12:45	PHOS_TOTAL	0.070	VCU
Westham Lower	1/20/2022	7:55	PHOS_TOTAL	0.037	VCU
Westham Lower	2/3/2022	11:26	PHOS_TOTAL	0.054	VCU
Westham Lower	2/17/2022	10:14	PHOS_TOTAL	0.055	VCU
Westham Lower	3/3/2022	10:38	PHOS_TOTAL	0.039	VCU
Westham Lower	1/6/2022	12:45	T_NITROGEN	1.615	VCU
Westham Lower	1/20/2022	7:55	T_NITROGEN	1.639	VCU
Westham Lower	2/3/2022	11:26	T_NITROGEN	1.620	VCU
Westham Lower	2/17/2022	10:14	T_NITROGEN	1.949	VCU
Westham Lower	3/3/2022	10:38	T_NITROGEN	1.659	VCU
Westham Lower	1/6/2022	12:45	TEMP_FIELD	9.5	VCU
Westham Lower	1/20/2022	7:55	TEMP_FIELD	4.4	VCU
Westham Lower	2/3/2022	11:26	TEMP_FIELD	6.1	VCU
Westham Lower	2/17/2022	10:14	TEMP_FIELD	8.6	VCU
Westham Lower	3/3/2022	10:38	TEMP_FIELD	11.6	VCU
Westham Lower	1/6/2022	12:45	TSS	4.64	VCU
Westham Lower	1/20/2022	7:55	TSS	7.19	VCU
Westham Lower	2/3/2022	11:26	TSS	4.89	VCU
Westham Lower	2/17/2022	10:14	TSS	2.90	VCU
Westham Lower	3/3/2022	10:38	TSS	4.24	VCU
Westham Lower	1/6/2022	12:45	TURB	3.44	VCU
Westham Lower	1/20/2022	7:55	TURB	8.65	VCU
Westham Lower	2/3/2022	11:26	TURB	1.51	VCU
Westham Lower	2/17/2022	10:14	TURB	2.46	VCU
Westham Lower	3/3/2022	10:38	TURB	3.31	VCU
Westham Upper	1/6/2022	12:15	AMM	0.036	VCU
Westham Upper	1/20/2022	7:55	AMM	0.059	VCU

Westham Upper	2/3/2022	10:51	AMM	0.054	VCU
Westham Upper	2/17/2022	9:33	AMM	0.050	VCU
Westham Upper	3/3/2022	9:58	AMM	0.042	VCU
Westham Upper	1/6/2022	12:15	COND	190.0	VCU
Westham Upper	1/20/2022	7:55	COND	337.9	VCU
Westham Upper	2/3/2022	10:51	COND	379.6	VCU
Westham Upper	2/17/2022	9:33	COND	310.6	VCU
Westham Upper	3/3/2022	9:58	COND	298.1	VCU
Westham Upper	1/6/2022	12:15	DISCHARGE	0.093	VCU
Westham Upper	1/20/2022	7:55	DISCHARGE	0.061	VCU
Westham Upper	2/3/2022	10:51	DISCHARGE	0.036	VCU
Westham Upper	2/17/2022	9:33	DISCHARGE	0.030	VCU
Westham Upper	3/3/2022	9:58	DISCHARGE	0.033	VCU
Westham Upper	1/6/2022	12:15	DO	11.27	VCU
Westham Upper	1/20/2022	7:55	DO	12.27	VCU
Westham Upper	2/3/2022	10:51	DO	13.44	VCU
Westham Upper	2/17/2022	9:33	DO	13.87	VCU
Westham Upper	3/3/2022	9:58	DO	12.04	VCU
Westham Upper	1/6/2022	12:15	DO_%	97.4	VCU
Westham Upper	1/20/2022	7:55	DO_%	93.4	VCU
Westham Upper	2/3/2022	10:51	DO_%	106.1	VCU
Westham Upper	2/17/2022	9:33	DO_%	116.7	VCU
Westham Upper	3/3/2022	9:58	DO_%	115.4	VCU
Westham Upper	1/6/2022	12:15	ECOLI-MF	1110	VCU
Westham Upper	1/20/2022	7:55	ECOLI-MF	627	VCU
Westham Upper	2/3/2022	10:51	ECOLI-MF	17	VCU
Westham Upper	2/17/2022	9:33	ECOLI-MF	17	VCU
Westham Upper	3/3/2022	9:58	ECOLI-MF	25	VCU
Westham Upper	1/6/2022	12:15	PH_F	7.29	VCU
Westham Upper	1/20/2022	7:55	PH_F	6.90	VCU
Westham Upper	2/3/2022	10:51	PH_F	7.38	VCU
Westham Upper	2/17/2022	9:33	PH_F	7.40	VCU
Westham Upper	3/3/2022	9:58	PH_F	7.90	VCU
Westham Upper	1/6/2022	12:15	PHOS_TOTAL	0.069	VCU
Westham Upper	1/20/2022	7:55	PHOS_TOTAL	0.060	VCU
Westham Upper	2/3/2022	10:51	PHOS_TOTAL	0.086	VCU
Westham Upper	2/17/2022	9:33	PHOS_TOTAL	0.059	VCU
Westham Upper	3/3/2022	9:58	PHOS_TOTAL	0.063	VCU
Westham Upper	1/6/2022	12:15	T_NITROGEN	0.979	VCU
Westham Upper	1/20/2022	7:55	T_NITROGEN	1.099	VCU
Westham Upper	2/3/2022	10:51	T_NITROGEN	1.519	VCU
Westham Upper	2/17/2022	9:33	T_NITROGEN	1.192	VCU
Westham Upper	3/3/2022	9:58	T_NITROGEN	1.193	VCU
Westham Upper	1/6/2022	12:15	TEMP_FIELD	9.0	VCU
Westham Upper	1/20/2022	7:55	TEMP_FIELD	3.9	VCU
Westham Upper	2/3/2022	10:51	TEMP_FIELD	5.3	VCU
Westham Upper	2/17/2022	9:33	TEMP_FIELD	8.0	VCU

Westham Upper	3/3/2022	9:58	TEMP_FIELD	13.5	VCU
Westham Upper	1/6/2022	12:15	TSS	4.58	VCU
Westham Upper	1/20/2022	7:55	TSS	9.15	VCU
Westham Upper	2/3/2022	10:51	TSS	4.92	VCU
Westham Upper	2/17/2022	9:33	TSS	3.64	VCU
Westham Upper	3/3/2022	9:58	TSS	2.95	VCU
Westham Upper	1/6/2022	12:15	TURB	3.39	VCU
Westham Upper	1/20/2022	7:55	TURB	12.20	VCU
Westham Upper	2/3/2022	10:51	TURB	1.53	VCU
Westham Upper	2/17/2022	9:33	TURB	1.64	VCU
Westham Upper	3/3/2022	9:58	TURB	1.57	VCU