

**GOWANUS CANAL SUPERFUND SITE
RTA1 REMEDIAL CONSTRUCTION
Water Quality Monitoring Weekly Data Summary**

PERIOD: February 14 – February 18, 2022

Date of Report: February 23, 2022

Report Contents

- Scope of Monitoring
- Report of Exceedances
- Turbidity Buoy Data
- Summary of Visual Observations

Prepared by

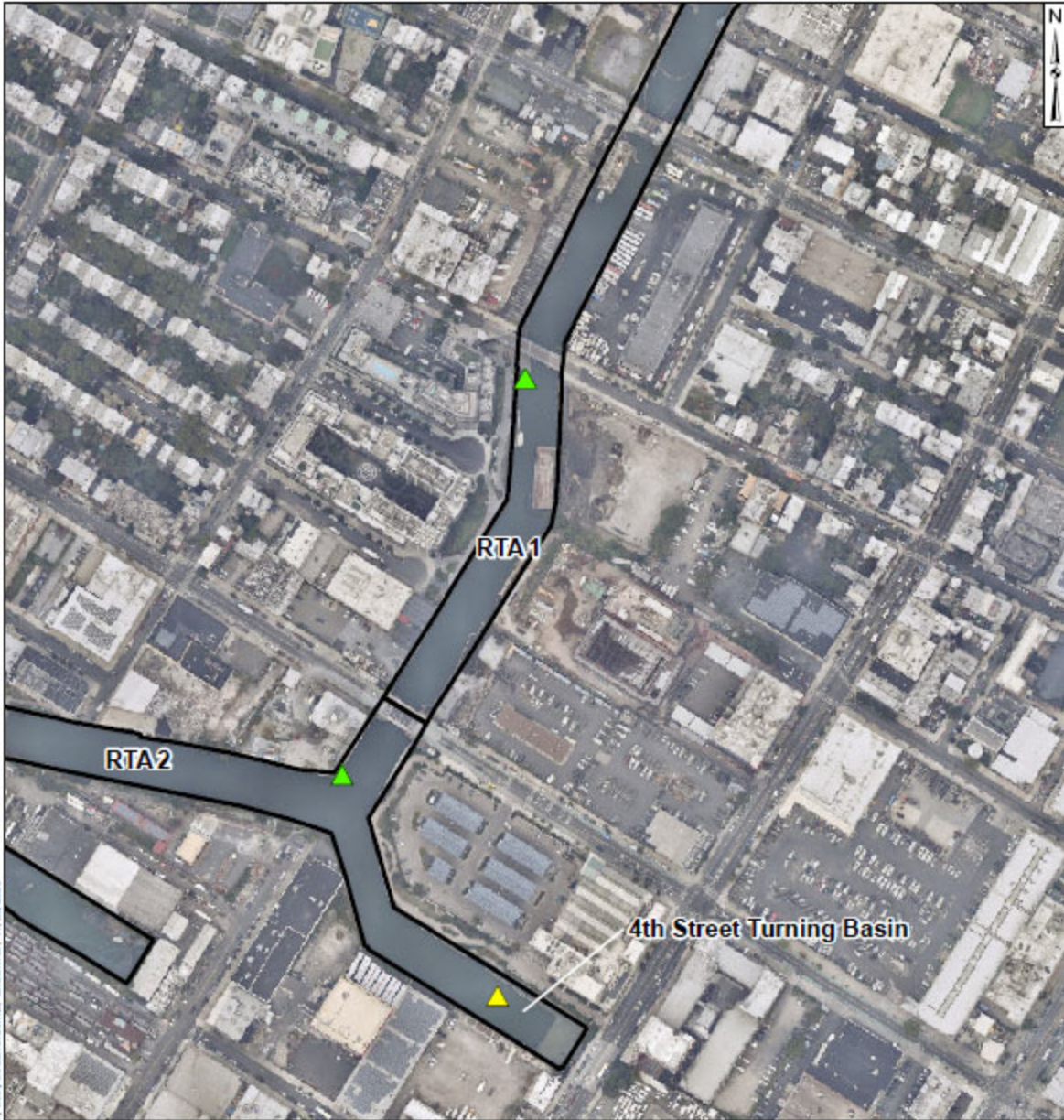
B&B Engineers & Geologists 
of new york, p.c.

an affiliate of Geosyntec Consultants



1255 Roberts Blvd, Suite 200
Kennesaw, GA 30144
Project Number JR0289A

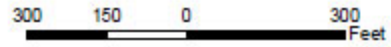
1. SCOPE OF MONITORING

The following report summarizes water quality monitoring data collected during the week of February 14, 2022. In accordance with the Water Quality Monitoring Plan for In-waterway Construction Activities (WQMP) three turbidity buoys were deployed to monitor turbidity at the start of dredging between Carroll Street Bridge and 3rd Street Bridge. One turbidity buoy was deployed just south of the 3rd Street Bridge outside of the air curtain and traditional turbidity curtain. This buoy is referred to as the 3rd Street Sentinel Buoy. A second turbidity buoy was deployed just south of the Carroll Street Bridge and is referred to as the Carroll Street Sentinel Buoy. The third turbidity buoy was deployed in the Fourth Street Turning Basin in order to monitor background turbidity unaffected by in-water construction activities. This turbidity buoy is referred to as the Ambient Buoy. Prior to dredging north of the Union Street Bridge, on January 22, 2021 a fourth turbidity buoy was deployed just south of the Union Street Bridge and is referred to as the Union Street Sentinel Buoy. This fourth turbidity buoy was removed prior to the start of pipe pile installation. On Wednesday, September 22, 2021, the Carroll Street Sentinel Buoy was relocated to the west side of the canal where Degraw Street intersects the canal to monitor cofferdam removal activities conducted in the vicinity of the Flushing Tunnel. This buoy was renamed the Degraw Street Sentinel Buoy during cofferdam removal activities. On October 14, 2021, the Degraw Street Sentinel Buoy was removed from the canal for servicing. On October 20, 2021, the Degraw Street Sentinel Buoy was redeployed to its position south of the Carroll Street Bridge and was renamed to the Carroll Street Sentinel Buoy. On November 15, 2021, the Carroll Street Sentinel Buoy was moved to the Union Street Bridge and renamed the Union Street Sentinel Buoy. On December 3, 2021, the Union Street Buoy was removed from the canal for servicing and re-deployed at 3rd Street Bridge in preparation for the resumption of ISS operations. On December 8, 2021, a third sentinel buoy was deployed just south of the Carroll Street Bridge. Each turbidity buoy was equipped with a YSI EXO3 water quality meter with optical turbidity sensor. The buoys were field calibrated and programmed such that readings were collected every 15 minutes. After each measurement, the turbidity data were transmitted to a File Transfer Portal (FTP) site via telemetry. No handheld measurements were collected during this reporting period. Visual observations of turbidity and sheen are summarized in Section 4.



Legend

-  Ambient Buoy
-  Sentinel Buoy
-  RTA Boundary



Turbidity Buoy Locations

Gowanus Canal, Brooklyn, NY

B&B Engineers & Geologists
of new york, p.c.
an affiliate of Geosyntec Consultants

Kennesaw, GA

February 2021

Figure
1

2. REPORT OF EXCEEDANCES

No exceedances of the quantitative trigger or action level criteria were met during the reporting period. An exceedance of the action level criterion was observed on Tuesday, February 15, 2022 due to sheen observed outside of oil booms containing the ISS mixing area. Further information is provided in Section 2.1.

- **Trigger criterion** – Any of the following:
 - The rolling average of the relevant sentinel buoy turbidity measurements over a one-hour period exceeds the rolling average of the ambient buoy turbidity measurements by 20 NTU excluding any eliminated outlier measurements and in-waterway construction activities cannot be immediately excluded as the source following consultation with EPA; or
 - Either an oil sheen or a turbidity plume is visually observed at the relevant sentinel buoy and in-waterway construction activities are readily identified as the source.
- **Action criterion** – Any of the following:
 - The rolling average of the turbidity measurements of the sentinel buoy outside of RTA1 over a one-hour period exceeds the rolling average of the ambient buoy turbidity measurements by 40 NTU excluding any eliminated outlier measurements and in-waterway construction activities cannot be immediately excluded as the source following consultation with EPA; or
 - Either an oil sheen or a turbidity plume is visually observed outside of RTA1 and any deployed engineering controls and in-waterway construction activities are readily identified as the source.

An outlier is defined as a reading that is outside the range of 50 to 200 percent of the average of the three previous readings. In addition, to be considered an outlier, the subsequent reading must return to a range of 75 to 133 percent of the average of the three readings preceding the outlier.

2.1 Response to Criteria Exceedances

The trigger level criterion serves to provide early notification to the contractor of construction activities that may lead to an exceedance of the action level criterion. In the event of an exceedance to the trigger criterion, the contractor will not be stopped, and the contractor will be directed to investigate the source of the exceedance and evaluate Best Management Practices (BMPs). In the event of an exceedance to the action level criterion, in-waterway construction activities may be slowed or temporarily suspended as necessary while the contractor investigates the source of the exceedance and appropriate mitigation and corrective measures are determined. A more detailed description of responses to exceedances of the trigger and action level criteria is provided in Section 4.2 of the WQMP.

An exceedance of the action level criterion was observed on Tuesday, February 15, 2022 due to sheen observed outside of oil booms surrounding the ISS mixing area. Sheen was observed immediately north of the ISS mixing area during ISS column installations just south of the Union Street Bridge. The release of sheen beyond the mixing area defined by the oil booms occurred due

to the presence of a gap between the end of the oil boom and the bulkhead wall. The exceedance was reported to the project team the following day and the oil booms were immediately adjusted to eliminate the gap. EPA was notified of the exceedance as well as the corrective actions implemented by the Contractor. No sheen associated with the ISS work was observed outside of RTA1.

3. TURBIDITY BUOY DATA

The following section provides turbidity data for the sentinel and ambient turbidity buoys from 7 AM to 6 PM from February 7 – February 11, 2022. Section 2.1 contains further information on the exceedance. No exceedances to the numerical rolling average trigger or action criteria were observed during the reporting period. **Table 1** below provides a summary of the turbidity data for the reporting period.

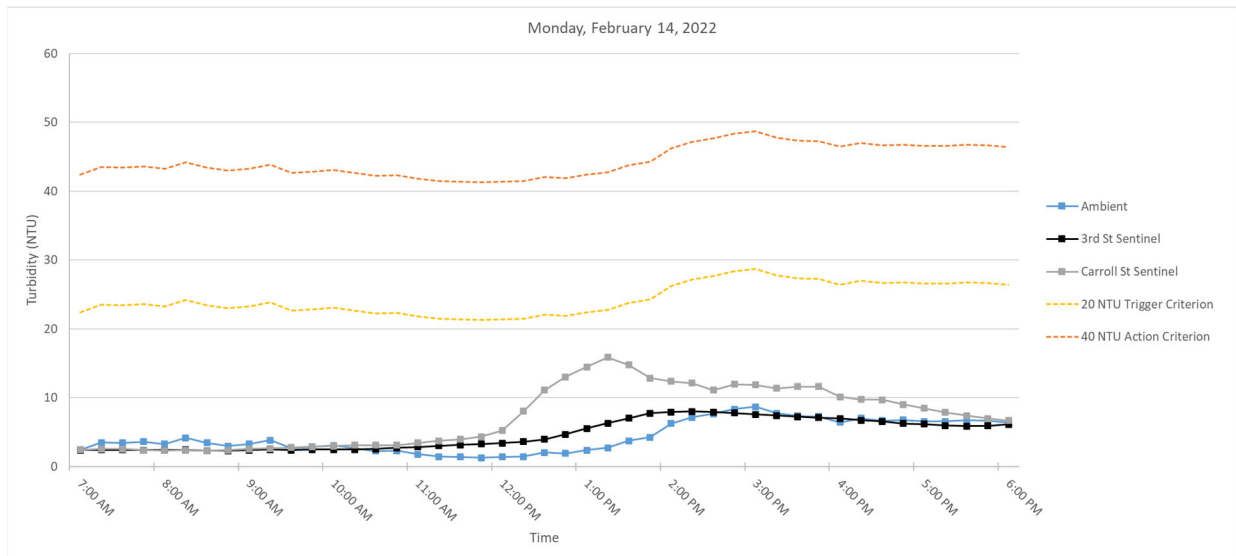
A partial server outage experienced by the turbidity buoy data service provider resulted in a loss of turbidity data from 1:00 PM to 6:00 PM on Tuesday, February 15, 2022.

Date	Average Rolling Average Difference (NTU)		Maximum Rolling Average Difference (NTU)	
	3rd St - Ambient	Carroll St - Ambient	3rd St - Ambient	Carroll St - Ambient
Monday, February 14, 2022	0.34	2.84	3.58	13.14
Tuesday, February 15, 2022	0.69	2.56	0.69	2.56
Wednesday, February 16, 2022	0.35	5.28	4.41	16.17
Thursday, February 17, 2022	-0.80	5.14	2.01	10.55
Friday, February 18, 2022	-0.94	4.67	2.56	19.07

Table 1. Daily average and maximum differences between the rolling average turbidity readings from RTA1 sentinel buoys and the ambient buoy between 7 AM and 6 PM

3.1 Monday, February 14, 2022

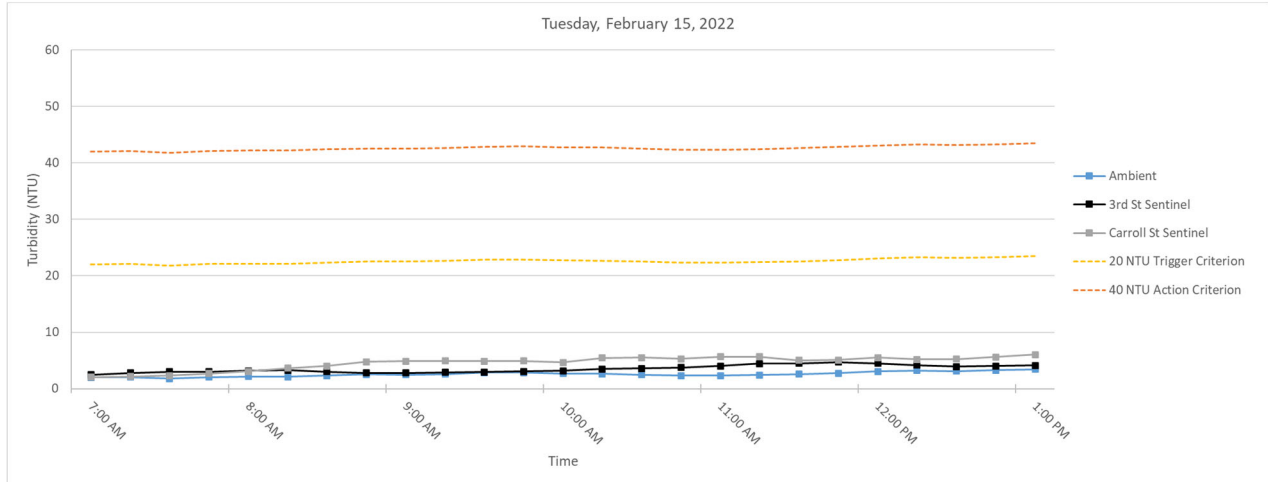
Figure 2. Hourly rolling average turbidity readings on Monday, February 14, 2022, from 7 AM to 6 PM.



Note: A turbidity reading of 19.05 NTU measured by the Carroll Street Buoy at 6:00 PM was removed as an outlier.

3.2 Tuesday, February 15, 2022

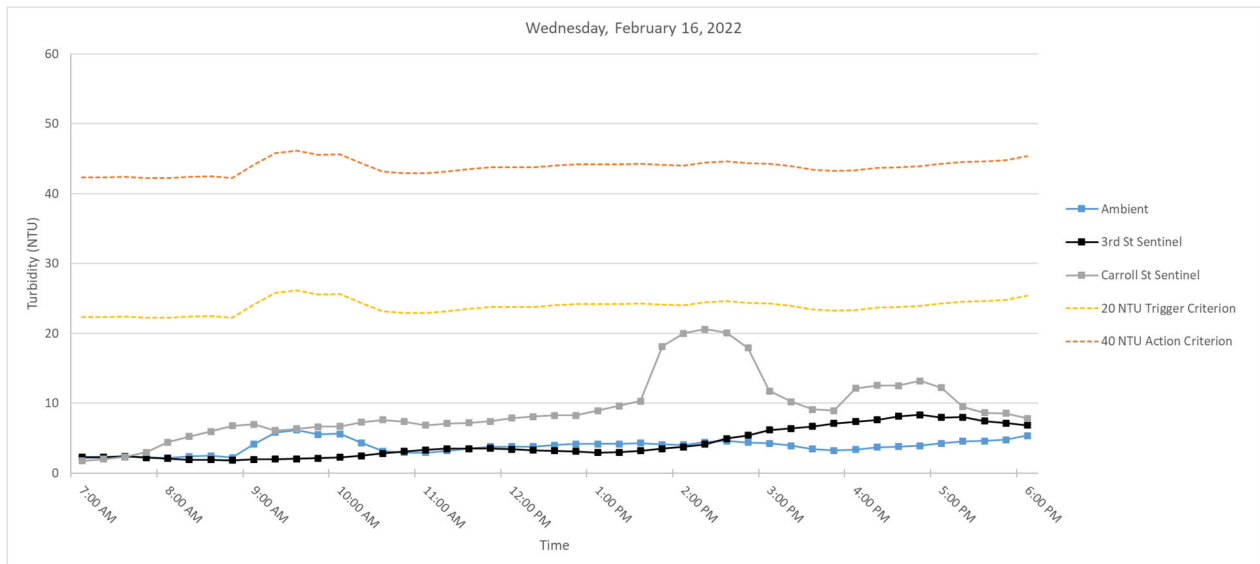
Figure 3. Hourly rolling average turbidity readings on Tuesday, February 15, 2022, from 7 AM to 6 PM.



Note: No outlier turbidity readings above 15 NTU were detected. Turbidity data from 1:00 PM to 6:00 PM was lost due to a server outage.

3.3 Wednesday, February 16, 2022

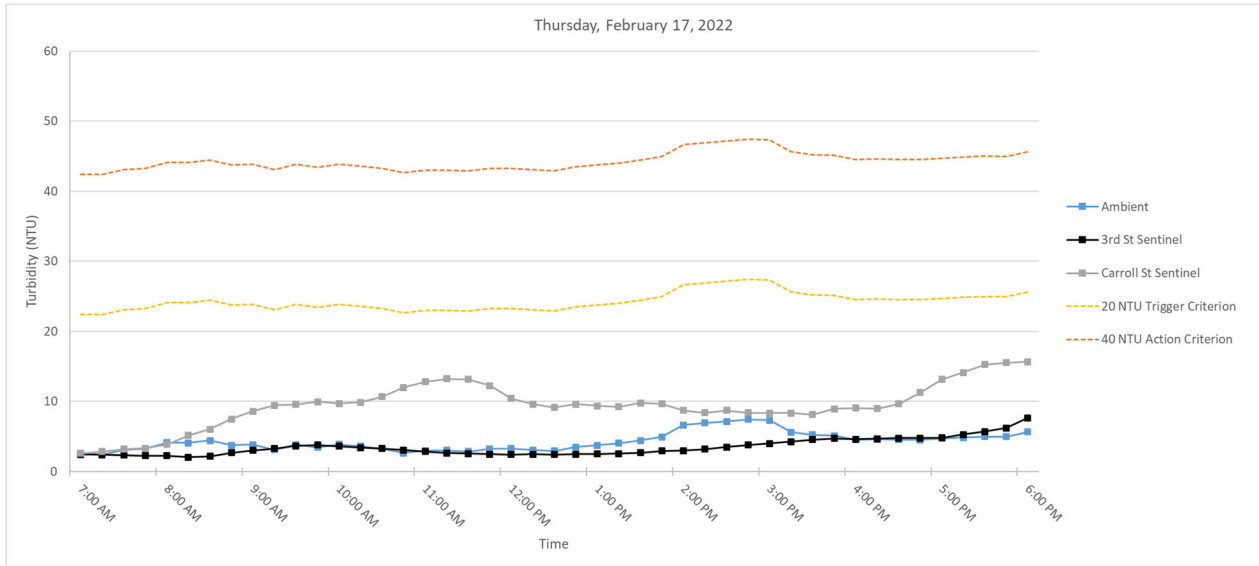
Figure 4. Hourly rolling average turbidity readings on Wednesday, February 16, 2022, from 7 AM to 6 PM.



Note: A turbidity reading of 22.74 NTU measured by the Carroll Street Buoy at 1:30 PM was removed as an outlier.

3.4 Thursday, February 17, 2022

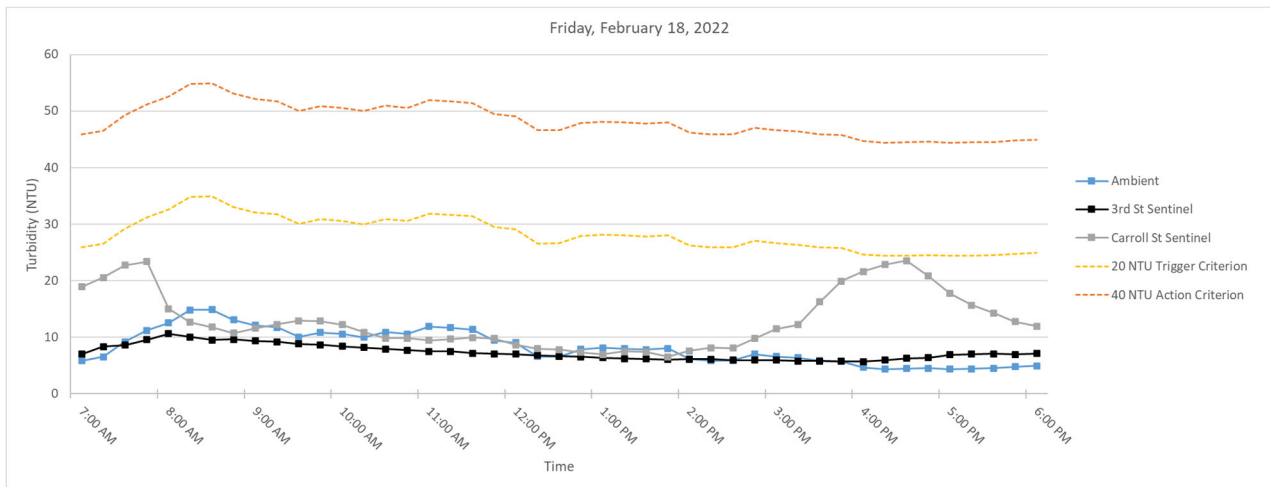
Figure 5. Hourly rolling average turbidity readings on Thursday, February 17, 2022, from 7 AM to 6 PM.



Note: No outlier turbidity readings above 15 NTU were detected.

3.5 Friday, February 18, 2022

Figure 6. Hourly rolling average turbidity readings on Friday, February 18, 2022, from 7 AM to 6 PM.



Note: A turbidity reading of 21.45 NTU measured by the Ambient Buoy at 2:30 PM was removed as an outlier.

SUMMARY OF VISUAL OBSERVATIONS

Sheen was observed above background conditions within the ISS mixing area during ISS operations. These sheens were contained by absorbent booms positioned along the boundaries of the ISS mixing area. However, on Tuesday, February 15, 2022, sheen was observed escaping the mixing area and resulted in an exceedance to the action level criterion. Refer to Section 2.1 for further information of this occurrence.

APPENDIX A
Turbidity Data Tables

Monday, February 14, 2022

Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
	Ambient	3rd Street	Carroll Street	Ambient	3rd Street	Carroll Street	3rd St - Ambient	Carroll St - Ambient
7:00:00	1.79	2.4	2.31	2.44	2.38	2.45	-0.06	0.01
7:15:00	7.07	2.62	2.73	3.48	2.45	2.55	-1.02	-0.92
7:30:00	3.35	2.44	2.37	3.44	2.44	2.58	-0.99	-0.86
7:45:00	2.41	2.21	1.99	3.61	2.40	2.40	-1.21	-1.21
8:00:00	1.72	2.28	2.38	3.27	2.39	2.36	-0.88	-0.91
8:15:00	6.28	2.52	2.46	4.17	2.41	2.39	-1.75	-1.78
8:30:00	--	2.07	2.41	3.44	2.30	2.32	-1.14	-1.12
8:45:00	1.54	2.44	2.8	2.99	2.30	2.41	-0.68	-0.58
9:00:00	3.61	2.75	2.86	3.29	2.41	2.58	-0.88	-0.71
9:15:00	3.96	2.53	2.79	3.85	2.46	2.66	-1.39	-1.18
9:30:00	1.63	2.07	3.07	2.69	2.37	2.79	-0.31	0.10
9:45:00	3.64	2.57	2.92	2.88	2.47	2.89	-0.40	0.01
10:00:00	2.5	2.54	3.34	3.07	2.49	3.00	-0.58	-0.07
10:15:00	1.64	2.68	3.42	2.67	2.48	3.11	-0.20	0.43
10:30:00	1.87	2.97	2.84	2.26	2.57	3.12	0.31	0.86
10:45:00	1.87	2.92	3.02	2.30	2.74	3.11	0.43	0.80
11:00:00	1.08	3.11	4.65	1.79	2.84	3.45	1.05	1.66
11:15:00	0.9	3.38	4.94	1.47	3.01	3.77	1.54	2.30
11:30:00	--	3.45	4.42	1.43	3.17	3.97	1.74	2.54
11:45:00	1.35	3.5	4.66	1.30	3.27	4.34	1.97	3.04
12:00:00	2.38	3.66	7.47	1.43	3.42	5.23	1.99	3.80
12:15:00	1.16	4.04	18.67	1.45	3.61	8.03	2.16	6.58
12:30:00	3.26	5.12	20.43	2.04	3.95	11.13	1.92	9.09
12:45:00	1.5	7.07	14.01	1.93	4.68	13.05	2.75	11.12
13:00:00	3.58	7.87	11.74	2.38	5.55	14.46	3.18	12.09
13:15:00	4.16	7.45	14.52	2.73	6.31	15.87	3.58	13.14
13:30:00	6.28	7.58	13.24	3.76	7.02	14.79	3.26	11.03
13:45:00	5.8	8.74	10.87	4.26	7.74	12.88	3.48	8.61
14:00:00	11.54	8.05	11.61	6.27	7.94	12.40	1.67	6.12
14:15:00	8.02	8.17	10.38	7.16	8.00	12.12	0.84	4.96
14:30:00	6.66	7	9.54	7.66	7.91	11.13	0.25	3.47
14:45:00	9.71	7.03	17.4	8.35	7.80	11.96	-0.55	3.61
15:00:00	7.43	7.76	10.56	8.67	7.60	11.90	-1.07	3.23
15:15:00	6.91	7.2	9.02	7.75	7.43	11.38	-0.31	3.63
15:30:00	6.07	7.26	11.6	7.36	7.25	11.62	-0.11	4.27
15:45:00	6.28	6.35	9.65	7.28	7.12	11.65	-0.16	4.37
16:00:00	5.57	6.42	9.83	6.45	7.00	10.13	0.55	3.68
16:15:00	10.32	6.53	8.71	7.03	6.75	9.76	-0.28	2.73
16:30:00	5.13	6.23	8.68	6.67	6.56	9.69	-0.12	3.02
16:45:00	6.6	5.74	8.23	6.78	6.25	9.02	-0.53	2.24
17:00:00	5.22	6.01	6.83	6.57	6.19	8.46	-0.38	1.89
17:15:00	5.63	5.3	7.05	6.58	5.96	7.90	-0.62	1.32
17:30:00	11.3	6.07	6.38	6.78	5.87	7.43	-0.91	0.66
17:45:00	4.59	6.59	6.43	6.67	5.94	6.98	-0.73	0.32
18:00:00	5.25	6.62	--	6.40	6.12	6.67	-0.28	0.27

Tuesday, February 15, 2022

Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
	Ambient	3rd Street	Carroll Street	Ambient	3rd Street	Carroll Street	3rd St - Ambient	Carroll St - Ambient
7:00:00	2.31	2.28	2.53	2.03	2.50	2.09	0.48	0.07
7:15:00	1.67	4.1	2.58	2.07	2.80	2.17	0.73	0.10
7:30:00	1.58	3.78	2.49	1.79	3.03	2.35	1.24	0.57
7:45:00	3.05	2.8	3.52	2.07	3.04	2.69	0.97	0.62
8:00:00	2.13	2.9	4.21	2.15	3.17	3.07	1.02	0.92
8:15:00	2.28	2.96	5.62	2.14	3.31	3.68	1.17	1.54
8:30:00	2.71	2.63	4.26	2.35	3.01	4.02	0.66	1.67
8:45:00	2.61	2.66	6.23	2.56	2.79	4.77	0.23	2.21
9:00:00	2.84	2.95	3.99	2.51	2.82	4.86	0.31	2.35
9:15:00	--	3.44	4.69	2.61	2.93	4.96	0.32	2.35
9:30:00	3.34	3.12	5.31	2.88	2.96	4.90	0.09	2.02
9:45:00	2.74	3.08	4.5	2.88	3.05	4.94	0.17	2.06
10:00:00	1.95	3.41	4.82	2.72	3.20	4.66	0.48	1.94
10:15:00	--	4.39	7.91	2.68	3.49	5.45	0.81	2.77
10:30:00	2.02	3.94	5.04	2.51	3.59	5.52	1.08	3.00
10:45:00	2.58	3.98	4.2	2.32	3.76	5.29	1.44	2.97
11:00:00	2.69	4.54	6.4	2.31	4.05	5.67	1.74	3.36
11:15:00	--	5.43	4.88	2.43	4.46	5.69	2.03	3.26
11:30:00	3.02	4.79	4.67	2.58	4.54	5.04	1.96	2.46
11:45:00	2.8	4.76	5.29	2.77	4.70	5.09	1.93	2.32
12:00:00	3.69	2.97	6.23	3.05	4.50	5.49	1.45	2.44
12:15:00	3.52	3.08	4.89	3.26	4.21	5.19	0.95	1.93
12:30:00	2.64	4.01	5.12	3.13	3.92	5.24	0.79	2.11
12:45:00	3.75	5.32	6.68	3.28	4.03	5.64	0.75	2.36
13:00:00	3.75	5.4	7.22	3.47	4.16	6.03	0.69	2.56

Wednesday, February 16, 2022

Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
	Ambient	3rd Street	Carroll Street	Ambient	3rd Street	Carroll Street	3rd St - Ambient	Carroll St - Ambient
7:00:00	2.55	2.54	1.92	2.31	2.26	1.76	-0.05	-0.55
7:15:00	2.01	--	3.18	2.32	2.27	2.02	-0.05	-0.30
7:30:00	2.91	2.24	3.06	2.38	2.39	2.31	0.00	-0.07
7:45:00	1.91	1.68	4.76	2.25	2.23	2.97	-0.02	0.72
8:00:00	1.62	1.84	9.35	2.20	2.08	4.45	-0.13	2.25
8:15:00	3.43	1.94	5.76	2.38	1.93	5.22	-0.45	2.85
8:30:00	--	1.93	6.83	2.47	1.93	5.95	-0.54	3.48
8:45:00	1.86	1.82	7.22	2.21	1.84	6.78	-0.36	4.58
9:00:00	9.59	2.23	5.83	4.13	1.95	7.00	-2.17	2.87
9:15:00	8.4	2.04	4.74	5.82	1.99	6.08	-3.83	0.26
9:30:00	4.86	2.3	7.23	6.18	2.06	6.37	-4.11	0.19
9:45:00	2.94	2.29	8.3	5.53	2.14	6.66	-3.39	1.13
10:00:00	2.38	2.37	7.3	5.63	2.25	6.68	-3.39	1.05
10:15:00	3.07	3.35	8.96	4.33	2.47	7.31	-1.86	2.98
10:30:00	2.46	3.85	6.27	3.14	2.83	7.61	-0.31	4.47
10:45:00	3.93	3.62	6.04	2.96	3.10	7.37	0.14	4.42
11:00:00	--	3.43	5.76	2.96	3.32	6.87	0.36	3.91
11:15:00	3.4	3.28	8.53	3.22	3.51	7.11	0.29	3.90
11:30:00	4.25	3.29	9.35	3.51	3.49	7.19	-0.02	3.68
11:45:00	3.53	4.12	7.31	3.78	3.55	7.40	-0.23	3.62
12:00:00	3.93	2.87	8.43	3.78	3.40	7.88	-0.38	4.10
12:15:00	3.93	2.78	6.89	3.81	3.27	8.10	-0.54	4.29
12:30:00	4.37	2.93	9.4	4.00	3.20	8.28	-0.80	4.27
12:45:00	5.12	2.85	9.24	4.18	3.11	8.25	-1.07	4.08
13:00:00	3.46	3.31	10.76	4.16	2.95	8.94	-1.21	4.78
13:15:00	4.11	3.16	11.82	4.20	3.01	9.62	-1.19	5.42
13:30:00	4.39	3.76	--	4.29	3.20	10.31	-1.09	6.02
13:45:00	3.31	4.32	40.75	4.08	3.48	18.14	-0.60	14.06
14:00:00	4.97	4.28	16.75	4.05	3.77	20.02	-0.28	15.97
14:15:00	5.39	5.21	13.11	4.43	4.15	20.61	-0.29	16.17
14:30:00	5	7.25	9.76	4.61	4.96	20.09	0.35	15.48
14:45:00	3.26	6.01	9.14	4.39	5.41	17.90	1.03	13.52
15:00:00	2.8	8.16	9.95	4.28	6.18	11.74	1.90	7.46
15:15:00	3.07	5.42	9.06	3.90	6.41	10.20	2.51	6.30
15:30:00	3.19	6.57	7.64	3.46	6.68	9.11	3.22	5.65
15:45:00	3.89	9.48	--	3.24	7.13	8.95	3.89	5.71
16:00:00	3.96	7.27	21.91	3.38	7.38	12.14	4.00	8.76
16:15:00	4.44	9.43	11.6	3.71	7.63	12.55	3.92	8.84
16:30:00	3.55	7.87	8.89	3.81	8.12	12.51	4.32	8.70
16:45:00	3.81	7.63	10.39	3.93	8.34	13.20	4.41	9.27
17:00:00	5.66	7.6	8.34	4.28	7.96	12.23	3.68	7.94
17:15:00	5.41	7.61	8.26	4.57	8.03	9.50	3.45	4.92
17:30:00	4.54	6.54	7.44	4.59	7.45	8.66	2.86	4.07
17:45:00	4.55	6.35	8.33	4.79	7.15	8.55	2.35	3.76
18:00:00	6.62	6.18	6.91	5.36	6.86	7.86	1.50	2.50

Thursday, February 17, 2022

Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
	Ambient	3rd Street	Carroll Street	Ambient	3rd Street	Carroll Street	3rd St - Ambient	Carroll St - Ambient
7:00:00	2.28	2.66	3.73	2.40	2.48	2.62	0.08	0.22
7:15:00	2.48	--	3.29	2.43	2.39	2.86	-0.04	0.44
7:30:00	5.79	2.23	3.57	3.07	2.34	3.20	-0.73	0.13
7:45:00	3.33	2.19	3.54	3.23	2.27	3.34	-0.96	0.11
8:00:00	6.73	2.01	5.26	4.12	2.27	3.88	-1.85	-0.24
8:15:00	2.05	1.78	10.04	4.08	2.05	5.14	-2.02	1.06
8:30:00	4.37	2.71	7.95	4.45	2.18	6.07	-2.27	1.62
8:45:00	2.29	4.67	10.7	3.75	2.67	7.50	-1.08	3.74
9:00:00	--	3.92	9.07	3.86	3.02	8.60	-0.84	4.74
9:15:00	3.81	3.33	9.61	3.13	3.28	9.47	0.15	6.34
9:30:00	4.87	3.66	10.52	3.84	3.66	9.57	-0.18	5.74
9:45:00	2.91	3.49	9.87	3.47	3.81	9.95	0.34	6.48
10:00:00	--	3.71	9.56	3.86	3.62	9.73	-0.24	5.86
10:15:00	2.98	2.79	9.77	3.64	3.40	9.87	-0.25	6.22
10:30:00	2.35	2.72	13.82	3.28	3.27	10.71	0.00	7.43
10:45:00	2.37	2.71	17.06	2.65	3.08	12.02	0.43	9.36
11:00:00	4.31	2.45	13.81	3.00	2.88	12.80	-0.13	9.80
11:15:00	3.14	2.63	11.71	3.03	2.66	13.23	-0.37	10.20
11:30:00	2.23	2.21	9.42	2.88	2.54	13.16	-0.34	10.28
11:45:00	4.1	2.32	9.29	3.23	2.46	12.26	-0.77	9.03
12:00:00	2.69	2.47	7.9	3.29	2.42	10.43	-0.88	7.13
12:15:00	3.27	2.83	9.91	3.09	2.49	9.65	-0.59	6.56
12:30:00	2.46	2.38	9.18	2.95	2.44	9.14	-0.51	6.19
12:45:00	5.04	2.39	11.76	3.51	2.48	9.61	-1.03	6.10
13:00:00	5.23	2.5	8.13	3.74	2.51	9.38	-1.22	5.64
13:15:00	4.24	2.71	7.33	4.05	2.56	9.26	-1.49	5.21
13:30:00	5.14	3.55	12.62	4.42	2.71	9.80	-1.72	5.38
13:45:00	5.05	3.48	8.59	4.94	2.93	9.69	-2.01	4.75
14:00:00	13.54	2.78	6.96	6.64	3.00	8.73	-3.64	2.09
14:15:00	6.7	3.52	6.45	6.93	3.21	8.39	-3.73	1.46
14:30:00	5.46	4.12	9.09	7.18	3.49	8.74	-3.69	1.56
14:45:00	6.6	5.18	10.8	7.47	3.82	8.38	-3.65	0.91
15:00:00	4.24	4.39	8.51	7.31	4.00	8.36	-3.31	1.05
15:15:00	5.05	4.12	6.81	5.61	4.27	8.33	-1.34	2.72
15:30:00	4.78	4.96	5.53	5.23	4.55	8.15	-0.67	2.92
15:45:00	4.92	4.94	13.01	5.12	4.72	8.93	-0.40	3.81
16:00:00	3.87	4.65	11.52	4.57	4.61	9.08	0.04	4.50
16:15:00	4.43	4.85	7.98	4.61	4.70	8.97	0.09	4.36
16:30:00	4.81	4.57	10.39	4.56	4.79	9.69	0.23	5.12
16:45:00	4.67	4.77	13.48	4.54	4.76	11.28	0.22	6.74
17:00:00	5.93	5.18	22.38	4.74	4.80	13.15	0.06	8.41
17:15:00	4.54	7.04	16.51	4.88	5.28	14.15	0.41	9.27
17:30:00	5.08	6.91	13.65	5.01	5.69	15.28	0.69	10.28
17:45:00	4.67	7.26	11.6	4.98	6.23	15.52	1.25	10.55
18:00:00	8.08	11.97	14.1	5.66	7.67	15.65	2.01	9.99

Friday, February 18, 2022

Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
	Ambient	3rd Street	Carroll Street	Ambient	3rd Street	Carroll Street	3rd St - Ambient	Carroll St - Ambient
7:00:00	7.51	13.3	21.77	5.88	7.02	18.92	1.13	13.04
7:15:00	8.39	11.77	16.16	6.55	8.33	20.59	1.78	14.04
7:30:00	18.47	7.98	17.41	9.22	8.64	22.73	-0.58	13.51
7:45:00	15.41	10.39	9.95	11.20	9.56	23.37	-1.64	12.17
8:00:00	12.97	9.78	10.05	12.55	10.64	15.07	-1.91	2.52
8:15:00	18.81	10.24	9.63	14.81	10.03	12.64	-4.78	-2.17
8:30:00	8.9	9.26	12.1	14.91	9.53	11.83	-5.38	-3.08
8:45:00	9.28	8.59	11.89	13.07	9.65	10.72	-3.42	-2.35
9:00:00	10.58	9.07	14.4	12.11	9.39	11.61	-2.72	-0.49
9:15:00	11.18	8.83	13.51	11.75	9.20	12.31	-2.55	0.56
9:30:00	10.31	8.51	12.6	10.05	8.85	12.90	-1.20	2.85
9:45:00	12.95	8.26	11.9	10.86	8.65	12.86	-2.21	2.00
10:00:00	7.79	7.45	8.77	10.56	8.42	12.24	-2.14	1.67
10:15:00	7.75	8.06	7.66	10.00	8.22	10.89	-1.77	0.89
10:30:00	15.8	7.46	8.3	10.92	7.95	9.85	-2.97	-1.07
10:45:00	8.68	7.31	12.67	10.59	7.71	9.86	-2.89	-0.73
11:00:00	19.5	7.19	9.83	11.90	7.49	9.45	-4.41	-2.46
11:15:00	6.67	7.43	9.91	11.68	7.49	9.67	-4.19	-2.01
11:30:00	6.26	6.68	8.93	11.38	7.21	9.93	-4.17	-1.45
11:45:00	6.35	6.82	7.53	9.49	7.09	9.77	-2.41	0.28
12:00:00	6.53	7.1	7.21	9.06	7.04	8.68	-2.02	-0.38
12:15:00	7.11	6.17	6.36	6.58	6.84	7.99	0.26	1.40
12:30:00	6.86	6.51	9.1	6.62	6.66	7.83	0.03	1.20
12:45:00	12.62	6.09	6.49	7.89	6.54	7.34	-1.36	-0.56
13:00:00	7.49	6.21	5.81	8.12	6.42	6.99	-1.71	-1.13
13:15:00	5.85	6.26	9.74	7.99	6.25	7.50	-1.74	-0.49
13:30:00	6.18	5.73	5.83	7.80	6.16	7.39	-1.64	-0.41
13:45:00	--	6.17	4.87	8.04	6.09	6.55	-1.94	-1.49
14:00:00	5.3	6.37	11.95	6.21	6.15	7.64	-0.06	1.44
14:15:00	6.19	5.99	8.21	5.88	6.10	8.12	0.22	2.24
14:30:00	--	5.68	9.65	5.89	5.99	8.10	0.10	2.21
14:45:00	9.64	5.75	14.25	7.04	5.99	9.79	-1.05	2.74
15:00:00	5.34	6.1	13.27	6.62	5.98	11.47	-0.64	4.85
15:15:00	4.36	5.61	15.75	6.38	5.83	12.23	-0.56	5.84
15:30:00	4.17	6	28.46	5.88	5.83	16.28	-0.05	10.40
15:45:00	5.29	5.37	27.88	5.76	5.77	19.92	0.01	14.16
16:00:00	4.27	5.41	22.93	4.69	5.70	21.66	1.01	16.97
16:15:00	3.84	7.32	19.26	4.39	5.94	22.86	1.56	18.47
16:30:00	4.72	7.25	19.09	4.46	6.27	23.52	1.81	19.07
16:45:00	4.62	6.56	15.14	4.55	6.38	20.86	1.83	16.31
17:00:00	4.54	8.11	12.47	4.40	6.93	17.78	2.53	13.38
17:15:00	4.54	5.82	12.56	4.45	7.01	15.70	2.56	11.25
17:30:00	4.13	7.63	12.18	4.51	7.07	14.29	2.56	9.78
17:45:00	6.09	6.87	11.41	4.78	7.00	12.75	2.21	7.97
18:00:00	5.46	7.24	11.23	4.95	7.13	11.97	2.18	7.02