

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

**PERIOD: JANUARY 18 TO JANUARY 22, 2021**

**Date of Report: January 27, 2021**

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## 1. SCOPE OF MONITORING

The following report summarizes water quality monitoring data collected during the week of January 18, 2021. 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 3<sup>rd</sup> Street Bridge. One turbidity buoy was deployed just south of the 3<sup>rd</sup> Street Bridge outside of the air curtain and traditional turbidity curtain. This buoy is referred to as the 3<sup>rd</sup> 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. A map indicating the approximate locations of the turbidity buoys is provided in **Figure 1**. 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. This report presents a summary of turbidity data collected from the ambient and sentinel buoys between 7 AM and 6 PM each day during the week of January 18<sup>th</sup>. Daily turbidity data tables are provided in **Appendix A**. No handheld measurements were collected during this reporting period. Visual observations of turbidity and sheen are summarized in Section 4.



## 2. REPORT OF EXCEEDANCES

No exceedances of the action level criteria were met during the reporting period. An exceedance to the numerical trigger criterion was detected at the Carroll St Sentinel Buoy on January 19, 2021. Further information is provided in Section 2.1. Refer to the WQMP for further information regarding the Trigger and Action Criteria. Threshold criteria are summarized as follows:

- **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

A detailed description of responses to exceedances of the trigger and action level criteria is provided in Section 4.2 of the WQMP. 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.

There were no exceedances of the action level criteria. On January 19, 2021 from 9:00 AM to 9:30 AM an exceedance of the numerical trigger level criterion was detected in the vicinity of the

Carroll Street Sentinel Buoy. This exceedance was a result of barge movement causing temporary sediment resuspension. No exceedances to the numerical threshold criteria were observed at the 3<sup>rd</sup> Street Bridge during the reporting period.

### 3. TURBIDITY BUOY DATA

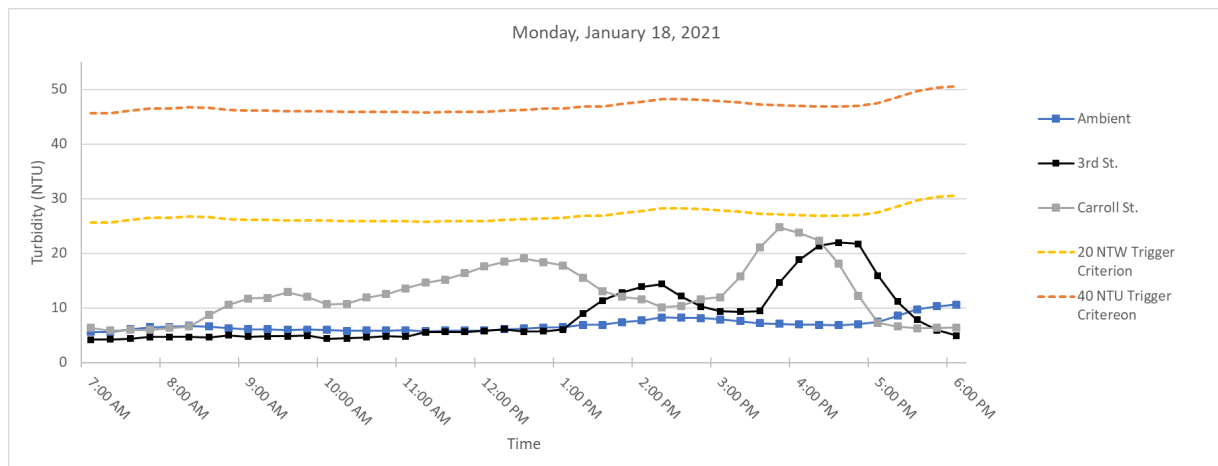
The following section provides turbidity data for the sentinel and ambient turbidity buoys from 7 AM to 6 PM from January 18 to January 22, 2021. An exceedance of the numerical trigger level criterion was detected on January 19 at the Carroll Street Sentinel Buoy. Section 2.1 contains further information on the exceedances. No exceedance to the numerical rolling average action criterion were observed during the reporting period. **Table 1** below provides a summary of the turbidity data for the reporting period.

**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

Date	Average Rolling Average Difference (NTU)		Maximum Rolling Average Difference (NTU)	
	3rd St - Ambient	Carroll St - Ambient	3rd St - Ambient	Carroll St - Ambient
Monday January 18, 2021	1.59	5.75	15.13	17.66
Tuesday January 19, 2021	-0.76	3.62	4.65	25.33
Wednesday January 20, 2021	0.86	5.19	4.24	19.02
Thursday January 21, 2021	1.93	4.34	13.11	18.81
Friday January 22, 2021	0.39	4.59	4.66	13.76

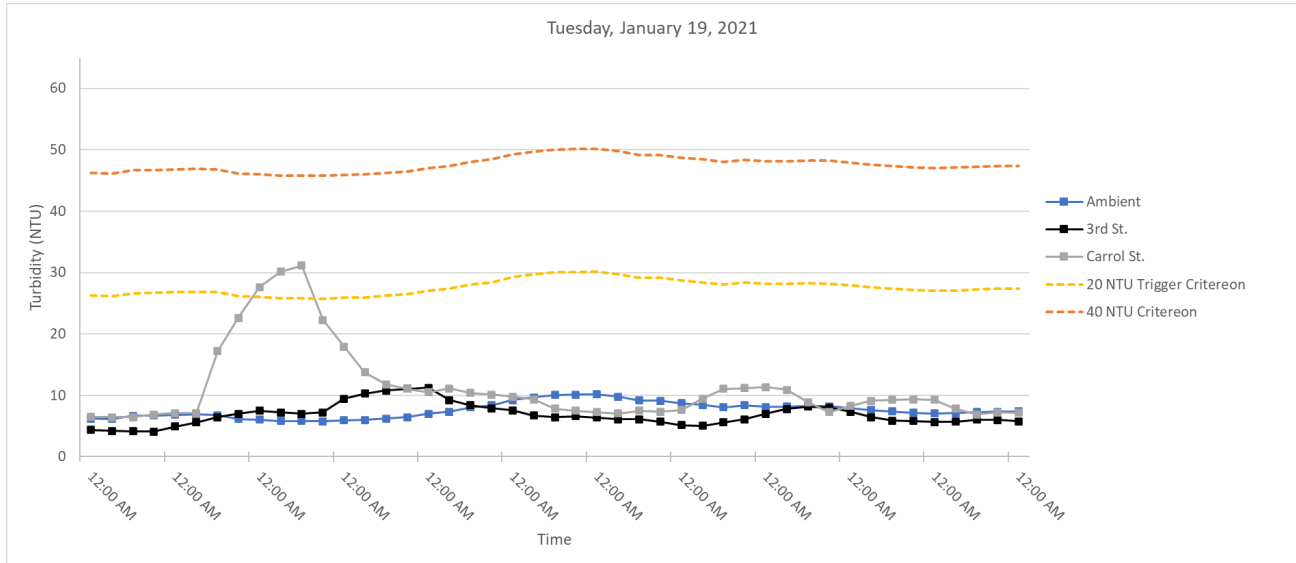
#### 3.1 Monday, January 18, 2021

**Figure 2.** Hourly rolling average turbidity readings on Monday, January 18, 2021 from 7 AM to 6 PM.



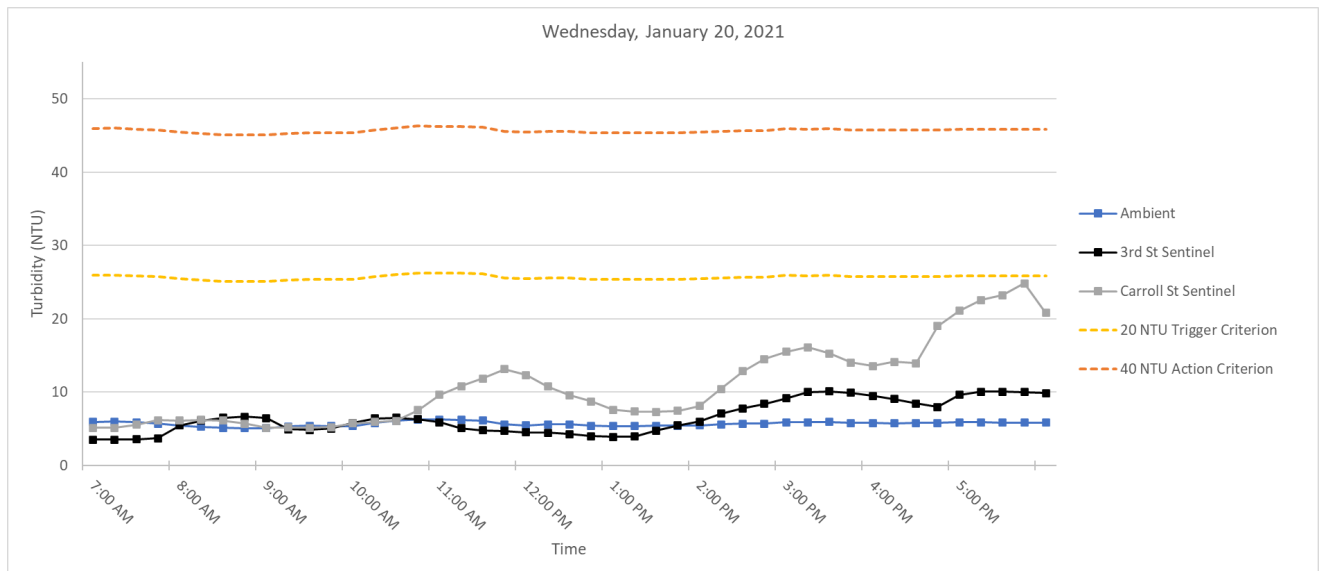
### 3.2 Tuesday, January 19, 2021

**Figure 3.** Hourly rolling average turbidity readings on Tuesday, January 19, 2021 from 7 AM to 6 PM.



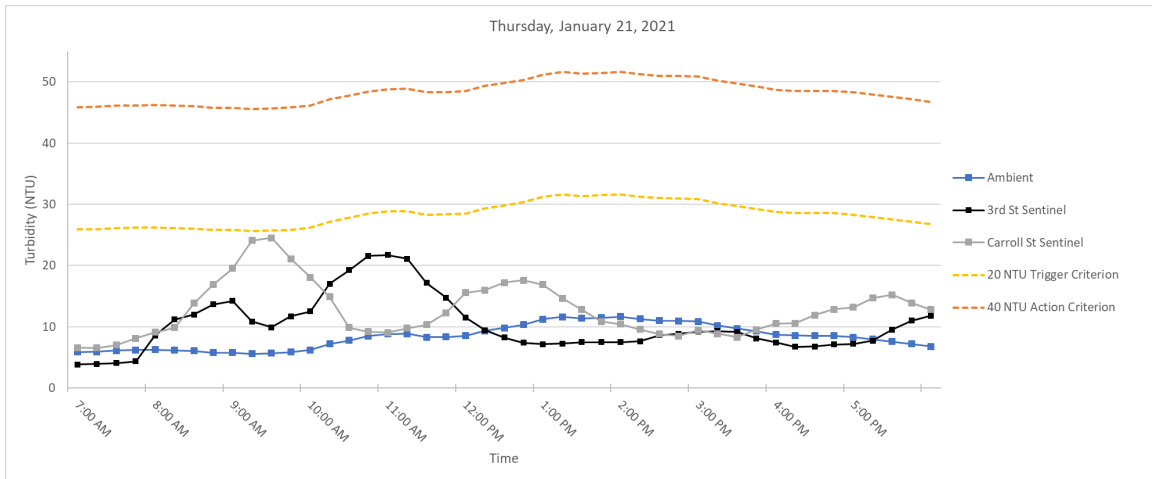
### 3.3 Wednesday, January 20, 2021

**Figure 4.** Hourly rolling average turbidity readings on Wednesday, January 20, 2021 from 7 AM to 6 PM.



### 1.4 Thursday, January 21, 2021

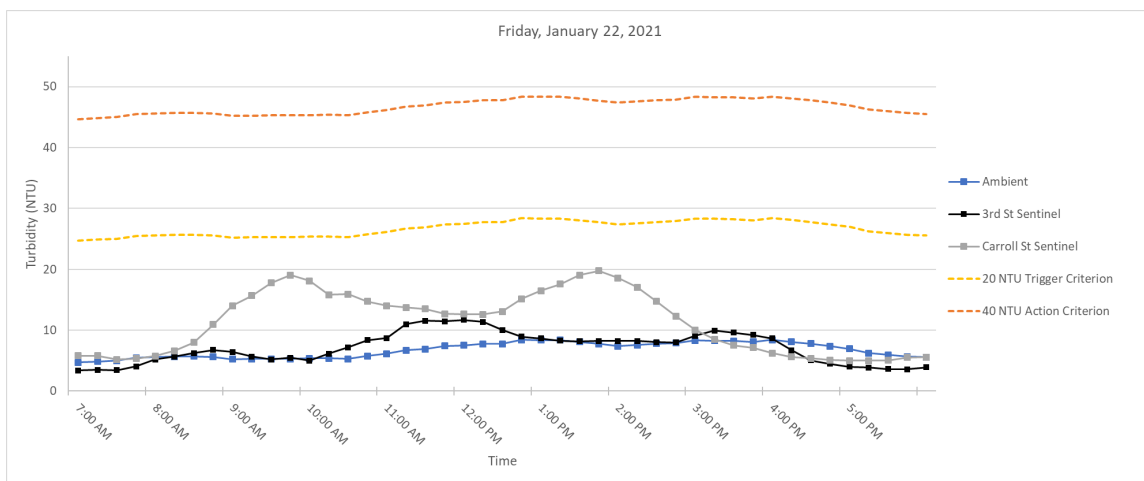
**Figure 5.** Hourly rolling average turbidity readings on Thursday, January 21, 2021 from 7 AM to 6 PM.



**Note:** On January 21, 2021 at 11:00 AM a spike in turbidity at the Carroll Street Buoy of 22.77 NTU was eliminated as an outlier in accordance with the outlier analysis defined in Section 2 and the WQMP.

### 1.5 Friday, January 22, 2021

**Figure 6.** Hourly rolling average turbidity readings on Friday, January 22, 2021 from 7 AM to 6 PM.





## **SUMMARY OF VISUAL OBSERVATIONS**

During the Phase I dredging with the environmental clamshell bucket some sheen was observed during dredging. This sheen was localized in the area of dredging and did not migrate outside of RTA1.

**APPENDIX A**  
**Turbidity Data Tables**

## Monday, January 18, 2021

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	5.53	4.13	5.94	5.58	4.20	6.36	-1.38	0.78
7:15:00	6.39	4.13	5.84	5.61	4.24	5.83	-1.38	0.21
7:30:00	7.72	4.81	6.96	6.12	4.37	6.01	-1.75	-0.11
7:45:00	6.99	6.11	5.38	6.45	4.69	6.00	-1.75	-0.45
8:00:00	6.1	4.27	7.6	6.55	4.69	6.34	-1.86	-0.20
8:15:00	6.26	3.98	7.25	6.69	4.66	6.61	-2.03	-0.09
8:30:00	5.83	3.93	16.29	6.58	4.62	8.70	-1.96	2.12
8:45:00	6.18	6.65	16.06	6.27	4.99	10.52	-1.28	4.24
9:00:00	6.08	4.81	11.46	6.09	4.73	11.73	-1.36	5.64
9:15:00	6.04	4.69	8.11	6.08	4.81	11.83	-1.27	5.76
9:30:00	5.69	3.87	12.59	5.96	4.79	12.90	-1.17	6.94
9:45:00	6.1	4.58	11.76	6.02	4.92	12.00	-1.10	5.98
10:00:00	6.08	3.93	9.34	6.00	4.38	10.65	-1.62	4.65
10:15:00	5.2	5.14	11.88	5.82	4.44	10.74	-1.38	4.91
10:30:00	6.19	5.57	13.95	5.85	4.62	11.90	-1.23	6.05
10:45:00	5.81	4.75	15.75	5.88	4.79	12.54	-1.08	6.66
11:00:00	6.15	4.45	16.95	5.89	4.77	13.57	-1.12	7.69
11:15:00	5.35	7.75	14.52	5.74	5.53	14.61	-0.21	8.87
11:30:00	5.77	5.63	14.64	5.85	5.63	15.16	-0.22	9.31
11:45:00	6.08	5.49	19.72	5.83	5.61	16.32	-0.22	10.48
12:00:00	6.02	5.73	22.11	5.87	5.81	17.59	-0.06	11.71
12:15:00	7.18	5.85	21.2	6.08	6.09	18.44	0.01	12.36
12:30:00	6.16	5.71	17.57	6.24	5.68	19.05	-0.56	12.81
12:45:00	6.74	5.76	11.17	6.44	5.71	18.35	-0.73	11.92
13:00:00	6.33	7.03	16.91	6.49	6.02	17.79	-0.47	11.31
13:15:00	8.05	20.44	11	6.89	8.96	15.57	2.07	8.68
13:30:00	7.25	17.79	8.62	6.91	11.35	13.05	4.44	6.15
13:45:00	8.51	13.22	12.3	7.38	12.85	12.00	5.47	4.62
14:00:00	8.4	11.02	9	7.71	13.90	11.57	6.19	3.86
14:15:00	9.17	9.48	9.53	8.28	14.39	10.09	6.11	1.81
14:30:00	7.81	9.37	12.32	8.23	12.18	10.35	3.95	2.13
14:45:00	6.73	8.09	14.68	8.12	10.24	11.57	2.11	3.44
15:00:00	7.26	8.78	14.28	7.87	9.35	11.96	1.47	4.09
15:15:00	6.89	10.87	27.9	7.57	9.32	15.74	1.75	8.17
15:30:00	7.45	10.19	36.13	7.23	9.46	21.06	2.23	13.83
15:45:00	7.1	35.34	30.76	7.09	14.65	24.75	7.57	17.66
16:00:00	6.06	28.77	9.57	6.95	18.79	23.73	11.84	16.78
16:15:00	6.96	21.55	7.22	6.89	21.34	22.32	14.45	15.42
16:30:00	6.52	13.87	6.98	6.82	21.94	18.13	15.13	11.31
16:45:00	8.43	9.12	6.63	7.01	21.73	12.23	14.72	5.22
17:00:00	9.34	6.11	6.07	7.46	15.88	7.29	8.42	-0.17
17:15:00	11.62	5.28	5.94	8.57	11.19	6.57	2.61	-2.01
17:30:00	12.8	4.66	5.92	9.74	7.81	6.31	-1.93	-3.43
17:45:00	9.37	4.41	7.16	10.31	5.92	6.34	-4.40	-3.97
18:00:00	9.9	4.25	7.02	10.61	4.94	6.42	-5.66	-4.18

## Tuesday, January 19, 2021

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	5.78	4.14	7.93	6.24	4.35	6.50	-1.89	0.26
7:15:00	6.08	3.91	5.94	6.15	4.22	6.45	-1.93	0.30
7:30:00	8.41	4.15	6.27	6.65	4.14	6.46	-2.51	-0.19
7:45:00	6.62	4.31	8.19	6.70	4.10	6.86	-2.60	0.16
8:00:00	7.13	8	7.07	6.80	4.90	7.08	-1.90	0.28
8:15:00	6.12	7.58	8.06	6.87	5.59	7.11	-1.28	0.23
8:30:00	5.67	8.17	56.49	6.79	6.44	17.22	-0.35	10.43
8:45:00	5.33	6.84	33.18	6.17	6.98	22.60	0.81	16.42
9:00:00	6.02	6.76	33.23	6.05	7.47	27.61	1.42	21.55
9:15:00	6.03	6.69	19.78	5.83	7.21	30.15	1.37	24.31
9:30:00	6.02	6.49	13.06	5.81	6.99	31.15	1.18	25.33
9:45:00	5.38	9.25	12.04	5.76	7.21	22.26	1.45	16.50
10:00:00	6.22	18.05	11.58	5.93	9.45	17.94	3.51	12.00
10:15:00	6.2	11.06	12.34	5.97	10.31	13.76	4.34	7.79
10:30:00	7.32	9.05	9.99	6.23	10.78	11.80	4.55	5.57
10:45:00	7.09	8.03	9.48	6.44	11.09	11.09	4.65	4.64
11:00:00	8.24	10.06	9.27	7.01	11.25	10.53	4.24	3.52
11:15:00	7.8	7.97	14.48	7.33	9.23	11.11	1.90	3.78
11:30:00	9.92	6.76	8.89	8.07	8.37	10.42	0.30	2.35
11:45:00	9.01	6.67	8.36	8.41	7.90	10.10	-0.51	1.68
12:00:00	11.22	6.2	7.79	9.24	7.53	9.76	-1.71	0.52
12:15:00	10.39	5.95	7.02	9.67	6.71	9.31	-2.96	-0.36
12:30:00	9.67	6.56	7.09	10.04	6.43	7.83	-3.61	-2.21
12:45:00	10.2	7.52	7.23	10.10	6.58	7.50	-3.52	-2.60
13:00:00	9.29	5.54	7.22	10.15	6.35	7.27	-3.80	-2.88
13:15:00	9.34	4.92	6.71	9.78	6.10	7.05	-3.68	-2.72
13:30:00	7.43	5.89	9.13	9.19	6.09	7.48	-3.10	-1.71
13:45:00	9.39	4.67	6.47	9.13	5.71	7.35	-3.42	-1.78
14:00:00	8.04	4.66	8.59	8.70	5.14	7.62	-3.56	-1.07
14:15:00	7.89	4.93	16.35	8.42	5.01	9.45	-3.40	1.03
14:30:00	7.42	7.95	14.76	8.03	5.62	11.06	-2.41	3.03
14:45:00	9.22	8.18	9.81	8.39	6.08	11.20	-2.31	2.80
15:00:00	8.06	9.32	7.08	8.13	7.01	11.32	-1.12	3.19
15:15:00	8.3	8.6	6.53	8.18	7.80	10.91	-0.38	2.73
15:30:00	8.27	6.68	6.38	8.25	8.15	8.91	-0.11	0.66
15:45:00	7.11	7.11	6.6	8.19	7.98	7.28	-0.21	-0.91
16:00:00	7.87	5	14.8	7.92	7.34	8.28	-0.58	0.36
16:15:00	6.59	4.66	11.26	7.63	6.41	9.11	-1.22	1.49
16:30:00	6.94	6.03	7.48	7.36	5.90	9.30	-1.46	1.95
16:45:00	7.17	6.33	6.49	7.14	5.83	9.33	-1.31	2.19
17:00:00	6.75	6.24	6.37	7.06	5.65	9.28	-1.41	2.22
17:15:00	8	5.31	7.64	7.09	5.71	7.85	-1.38	0.76
17:30:00	7.56	6.31	6.56	7.28	6.04	6.91	-1.24	-0.38
17:45:00	7.2	5.83	8.92	7.34	6.00	7.20	-1.33	-0.14
18:00:00	7.42	5.23	6.41	7.39	5.78	7.18	-1.60	-0.21

## Wednesday, January 20, 2021

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	5.81	3.34	5.09	5.92	3.49	5.12	-2.43	-0.80
7:15:00	5.95	3.42	5.15	6.00	3.50	5.12	-2.49	-0.88
7:30:00	5.49	3.64	7.26	5.87	3.54	5.55	-2.32	-0.32
7:45:00	5.14	4.5	8.14	5.71	3.72	6.15	-2.00	0.43
8:00:00	4.8	12.35	5.01	5.44	5.45	6.13	0.01	0.69
8:15:00	4.91	6.61	5.41	5.26	6.10	6.19	0.85	0.94
8:30:00	5.27	5.37	4.75	5.12	6.49	6.11	1.37	0.99
8:45:00	5.22	4.43	5.21	5.07	6.65	5.70	1.58	0.64
9:00:00	5.15	3.55	5.17	5.07	6.46	5.11	1.39	0.04
9:15:00	6.01	4.79	5.41	5.31	4.95	5.19	-0.36	-0.12
9:30:00	5.34	6.06	5.08	5.40	4.84	5.12	-0.56	-0.27
9:45:00	5	6.31	5.19	5.34	5.03	5.21	-0.32	-0.13
10:00:00	5.41	8.3	7.77	5.38	5.80	5.72	0.42	0.34
10:15:00	7.05	6.48	6.22	5.76	6.39	5.93	0.63	0.17
10:30:00	7.62	5.31	6.03	6.08	6.49	6.06	0.41	-0.03
10:45:00	6.31	5.19	12.6	6.28	6.32	7.56	0.04	1.28
11:00:00	4.83	4.1	15.57	6.24	5.88	9.64	-0.37	3.39
11:15:00	5.25	4.31	13.62	6.21	5.08	10.81	-1.13	4.60
11:30:00	6.48	5.15	11.49	6.10	4.81	11.86	-1.29	5.76
11:45:00	5.1	4.72	12.43	5.59	4.69	13.14	-0.90	7.55
12:00:00	5.6	4.22	8.54	5.45	4.50	12.33	-0.95	6.88
12:15:00	5.45	3.81	7.63	5.58	4.44	10.74	-1.13	5.17
12:30:00	5.37	3.42	7.84	5.60	4.26	9.59	-1.34	3.99
12:45:00	5.43	3.71	7.12	5.39	3.98	8.71	-1.41	3.32
13:00:00	4.97	4.3	6.82	5.36	3.89	7.59	-1.47	2.23
13:15:00	5.53	4.5	7.45	5.35	3.95	7.37	-1.40	2.02
13:30:00	5.65	7.74	7.17	5.39	4.73	7.28	-0.66	1.89
13:45:00	5.35	6.93	8.59	5.39	5.44	7.43	0.05	2.04
14:00:00	5.8	6.4	10.44	5.46	5.97	8.09	0.51	2.63
14:15:00	5.54	9.75	18.43	5.57	7.06	10.42	1.49	4.84
14:30:00	6.12	8.04	19.63	5.69	7.77	12.85	2.08	7.16
14:45:00	5.61	10.87	15.35	5.68	8.40	14.49	2.71	8.80
15:00:00	6.44	10.66	13.56	5.90	9.14	15.48	3.24	9.58
15:15:00	5.78	10.64	13.69	5.90	9.99	16.13	4.09	10.23
15:30:00	5.57	10.31	14.02	5.90	10.10	15.25	4.20	9.35
15:45:00	5.6	7.1	13.52	5.80	9.92	14.03	4.12	8.23
16:00:00	5.6	8.62	13.08	5.80	9.47	13.57	3.67	7.78
16:15:00	6.16	8.63	16.22	5.74	9.06	14.11	3.32	8.36
16:30:00	5.93	7.53	12.89	5.77	8.44	13.95	2.67	8.17
16:45:00	5.62	7.84	39.34	5.78	7.94	19.01	2.16	13.23
17:00:00	5.98	15.42	23.86	5.86	9.61	21.08	3.75	15.22
17:15:00	5.63	10.73	20.4	5.86	10.03	22.54	4.17	16.68
17:30:00	5.93	8.75	19.59	5.82	10.05	23.22	4.24	17.40
17:45:00	5.9	7.37	20.96	5.81	10.02	24.83	4.21	19.02
18:00:00	5.83	6.96	19.22	5.85	9.85	20.81	3.99	14.95

## Thursday, January 21, 2021

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	5.96	4.19	6.64	5.89	3.84	6.61	-2.04	0.73
7:15:00	6.01	4.09	6.45	5.95	3.91	6.52	-2.03	0.57
7:30:00	6.57	4.49	9.31	6.13	4.10	7.01	-2.04	0.88
7:45:00	6.22	4.88	11.84	6.19	4.38	8.11	-1.81	1.92
8:00:00	6.47	25.29	11.28	6.25	8.59	9.10	2.34	2.86
8:15:00	5.49	17.14	10.33	6.15	11.18	9.84	5.03	3.69
8:30:00	5.59	8.28	26.51	6.07	12.02	13.85	5.95	7.79
8:45:00	5.24	12.63	24.48	5.80	13.64	16.89	7.84	11.09
9:00:00	6.17	7.8	25.03	5.79	14.23	19.53	8.44	13.73
9:15:00	5.52	8.46	34.19	5.60	10.86	24.11	5.26	18.51
9:30:00	5.97	12.42	12.32	5.70	9.92	24.51	4.22	18.81
9:45:00	6.49	17.19	9.63	5.88	11.70	21.13	5.82	15.25
10:00:00	6.78	16.83	9.09	6.19	12.54	18.05	6.35	11.87
10:15:00	11.29	30.22	9.19	7.21	17.02	14.88	9.81	7.67
10:30:00	8.39	19.73	9.2	7.78	19.28	9.89	11.49	2.10
10:45:00	9.37	23.91	8.8	8.46	21.58	9.18	13.11	0.72
11:00:00	8.3	18.04	--	8.83	21.75	9.07	12.92	0.24
11:15:00	6.95	13.55	11.98	8.86	21.09	9.79	12.23	0.93
11:30:00	8.44	10.69	11.4	8.29	17.18	10.35	8.89	2.06
11:45:00	8.72	7.69	17.03	8.36	14.78	12.30	6.42	3.95
12:00:00	10.24	7.65	21.81	8.53	11.52	15.56	2.99	7.03
12:15:00	12.33	7.6	17.83	9.34	9.44	16.01	0.10	6.67
12:30:00	9.35	7.65	18	9.82	8.26	17.21	-1.56	7.40
12:45:00	11.11	6.47	13.28	10.35	7.41	17.59	-2.94	7.24
13:00:00	13.1	6.5	13.57	11.23	7.17	16.90	-4.05	5.67
13:15:00	12.29	8.07	10.71	11.64	7.26	14.68	-4.38	3.04
13:30:00	11.02	8.7	8.37	11.37	7.48	12.79	-3.90	1.41
13:45:00	9.91	7.66	8.48	11.49	7.48	10.88	-4.01	-0.60
14:00:00	12	6.46	11.08	11.66	7.48	10.44	-4.19	-1.22
14:15:00	11.12	7.38	9.22	11.27	7.65	9.57	-3.61	-1.70
14:30:00	11	13.06	7.03	11.01	8.65	8.84	-2.36	-2.17
14:45:00	10.83	9.72	6.52	10.97	8.86	8.47	-2.12	-2.51
15:00:00	9.42	9.47	13.38	10.87	9.22	9.45	-1.66	-1.43
15:15:00	8.71	6.91	8.08	10.22	9.31	8.85	-0.91	-1.37
15:30:00	8.73	6.51	6.5	9.74	9.13	8.30	-0.60	-1.44
15:45:00	8.73	7.96	13.09	9.28	8.11	9.51	-1.17	0.23
16:00:00	8.14	6.45	11.64	8.75	7.46	10.54	-1.29	1.79
16:15:00	8.52	5.84	13.57	8.57	6.73	10.58	-1.83	2.01
16:30:00	8.66	7.06	14.76	8.56	6.76	11.91	-1.79	3.36
16:45:00	8.71	8.21	11.14	8.55	7.10	12.84	-1.45	4.29
17:00:00	7.48	8.38	14.93	8.30	7.19	13.21	-1.11	4.91
17:15:00	6.38	9.22	19.06	7.95	7.74	14.69	-0.21	6.74
17:30:00	6.65	14.89	16.25	7.58	9.55	15.23	1.98	7.65
17:45:00	6.78	14.37	8.15	7.20	11.01	13.91	3.81	6.71
18:00:00	6.49	12.2	5.56	6.76	11.81	12.79	5.06	6.03

## Friday, January 22, 2021

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	4.6	3.62	5.3	4.70	3.40	5.79	-1.30	1.09
7:15:00	5.04	3.56	5.1	4.87	3.46	5.80	-1.41	0.93
7:30:00	5.53	3.43	4.81	5.00	3.46	5.17	-1.55	0.17
7:45:00	7.65	6.37	6.16	5.50	4.06	5.34	-1.44	-0.16
8:00:00	5.27	8.87	7.4	5.62	5.17	5.75	-0.45	0.14
8:15:00	4.86	6.15	9.55	5.67	5.68	6.60	0.01	0.93
8:30:00	5.23	6.35	11.97	5.71	6.23	7.98	0.53	2.27
8:45:00	5.1	6.17	19.55	5.62	6.78	10.93	1.16	5.30
9:00:00	5.68	4.54	21.74	5.23	6.42	14.04	1.19	8.81
9:15:00	5.48	5.08	15.7	5.27	5.66	15.70	0.39	10.43
9:30:00	5.03	3.88	19.81	5.30	5.20	17.75	-0.10	12.45
9:45:00	5.12	7.77	18.43	5.28	5.49	19.05	0.21	13.76
10:00:00	5.53	3.72	14.83	5.37	5.00	18.10	-0.37	12.73
10:15:00	5.82	10.25	10.38	5.40	6.14	15.83	0.74	10.43
10:30:00	5.04	10.27	16.13	5.31	7.18	15.92	1.87	10.61
10:45:00	7.3	9.79	13.97	5.76	8.36	14.75	2.60	8.99
11:00:00	7.13	9.41	14.68	6.16	8.69	14.00	2.52	7.83
11:15:00	8.21	15.12	13.5	6.70	10.97	13.73	4.27	7.03
11:30:00	6.83	13.23	9.11	6.90	11.56	13.48	4.66	6.58
11:45:00	7.59	9.8	12.27	7.41	11.47	12.71	4.06	5.29
12:00:00	7.77	10.8	13.62	7.51	11.67	12.64	4.17	5.13
12:15:00	8.46	7.95	14.4	7.77	11.38	12.58	3.61	4.81
12:30:00	8.21	8.45	16.02	7.77	10.05	13.08	2.27	5.31
12:45:00	9.97	7.79	19.43	8.40	8.96	15.15	0.56	6.75
13:00:00	7.4	8.41	18.99	8.36	8.68	16.49	0.32	8.13
13:15:00	7.74	8.8	19.11	8.36	8.28	17.59	-0.08	9.23
13:30:00	7.04	7.5	21.69	8.07	8.19	19.05	0.12	10.98
13:45:00	6.53	8.72	19.48	7.74	8.24	19.74	0.51	12.00
14:00:00	8.18	7.75	13.64	7.38	8.24	18.58	0.86	11.20
14:15:00	8.45	8.31	11.45	7.59	8.22	17.07	0.63	9.49
14:30:00	8.76	7.93	7.3	7.79	8.04	14.71	0.25	6.92
14:45:00	7.64	7.24	9.74	7.91	7.99	12.32	0.08	4.41
15:00:00	8.54	14.23	8.04	8.31	9.09	10.03	0.78	1.72
15:15:00	8.08	12.1	6.15	8.29	9.96	8.54	1.67	0.24
15:30:00	8.14	6.52	6.29	8.23	9.60	7.50	1.37	-0.73
15:45:00	7.94	5.94	5.51	8.07	9.21	7.15	1.14	-0.92
16:00:00	9.29	4.43	5.11	8.40	8.64	6.22	0.25	-2.18
16:15:00	7.02	4.66	5.04	8.09	6.73	5.62	-1.36	-2.47
16:30:00	6.62	3.81	4.97	7.80	5.07	5.38	-2.73	-2.42
16:45:00	6.09	3.64	4.92	7.39	4.50	5.11	-2.90	-2.28
17:00:00	5.83	3.48	5.04	6.97	4.00	5.02	-2.97	-1.95
17:15:00	5.72	3.79	5.01	6.26	3.88	5.00	-2.38	-1.26
17:30:00	5.5	3.52	5.23	5.95	3.65	5.03	-2.30	-0.92
17:45:00	5.14	3.55	7.39	5.66	3.60	5.52	-2.06	-0.14
18:00:00	5.59	5.18	5.26	5.56	3.90	5.59	-1.65	0.03