

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

**PERIOD: NOVEMBER 30 TO DECEMBER 04, 2020**

**Date of Report: December 09, 2020**

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## 1. SCOPE OF MONITORING

The following report summarizes water quality monitoring data collected during the week of November 30, 2020. 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 November 30. 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. The data provided in this summary report have not yet been validated and should be considered preliminary.



## 2. REPORT OF EXCEEDANCES

On December 1, 2020 and December 3, 2020 an exceedance of the numerical trigger level criterion was detected. Further information is provided in Section 2.1. No exceedances of the action level criteria were met during the reporting period. 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.

On December 1, 2020 from 12:45 PM to 13:45 PM and on December 3, 2020 from 15:45 PM to 17:30 PM, an exceedance of the numerical trigger level criterion was detected. The contractor and

Owner's Representative were notified of this exceedance immediately. On both occasions, the exceedance was a result of a mini hopper changeout that occurred at low tide which resulted in enough sediment resuspension from prop wash (resuspension of sediment from water being pushed over the sediment bed by the propeller) in the vicinity of the 3<sup>rd</sup> Street Turbidity Buoy to cause an exceedance of the numerical trigger level criterion. No dredging was occurring at the time of either of the exceedances. Turbidity readings at the 3<sup>rd</sup> Street Turbidity Buoy quickly decreased immediately following the mini hopper changeout. As a result, no immediate management response actions were implemented. To avoid future exceedances of the numerical trigger criterion care will be taken to limit push boat acceleration and speed when transporting mini hoppers from RTA1 to the Staging Site.



### 3. TURBIDITY BUOY DATA

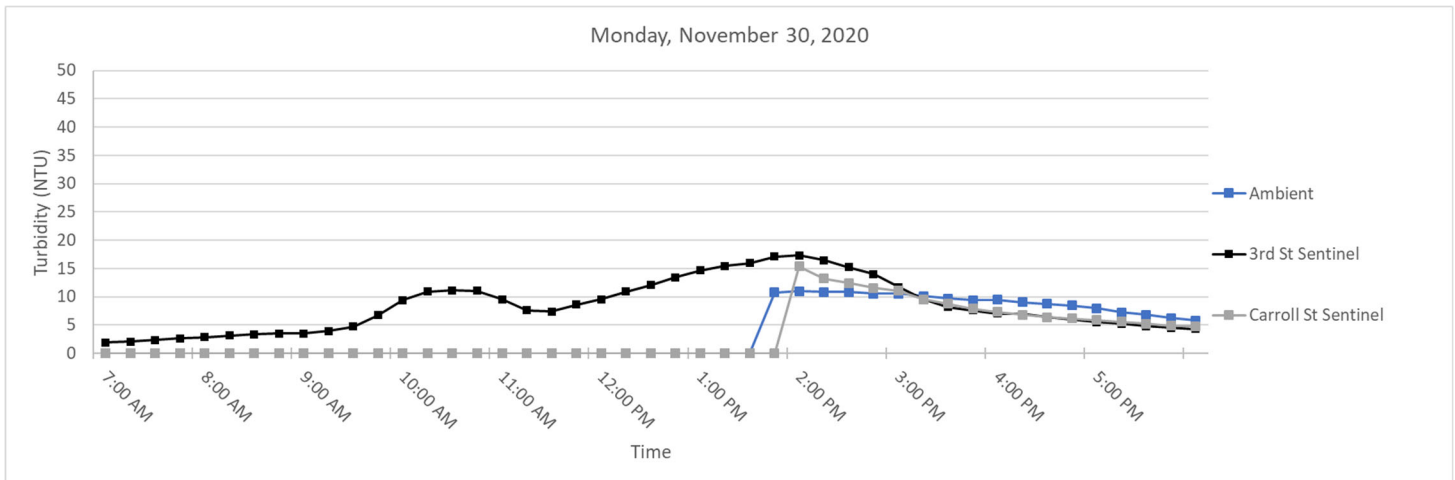
The following section provides turbidity data for the sentinel and ambient turbidity buoys from 7 AM to 6 PM from November 30<sup>th</sup> to November 4<sup>th</sup>, 2020. An exceedance of the numerical trigger level criterion was detected on December 1 from 12:45 PM to 1:45 PM and on December 3, 2020 from 15:45 PM to 17:30 PM. 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 November 30, 2020	0.24	-0.59	6.33	2.79
Tuesday December 1, 2020	10.38	1.73	25.81	2.79
Wednesday December 2, 2020	8.97	1.18	19.41	9.92
Thursday December 3, 2020	11.22	2.75	11.22	7.67
Friday December 4, 2020	5.13	1.24	13.20	5.27

#### 3.1 Monday, November 30, 2020

**Figure 2.** Hourly rolling average turbidity readings on Monday, November 30, 2020 from 7 AM to 6 PM.

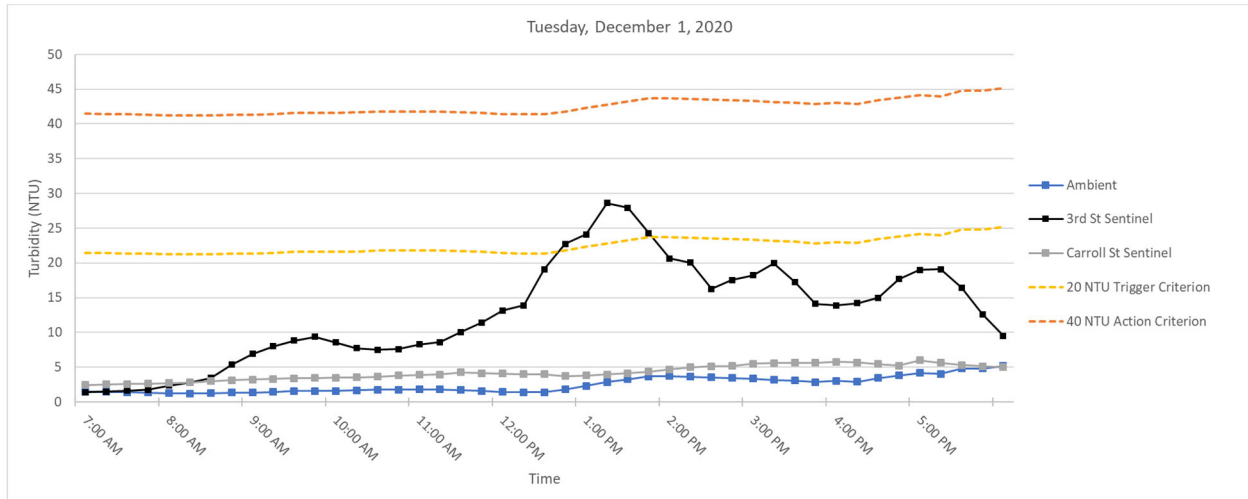


**Notes:**

1. The Carroll Street and Ambient Buoys lost power over the weekend. Power was restored at 1:30 PM on November 30. The maximum turbidity at the 3<sup>rd</sup> Street Buoy during the power outage was 17.31 NTU.

### 3.2 Tuesday, December 1, 2020

**Figure 3.** Hourly rolling average turbidity readings on Tuesday, December 1, 2020 from 7 AM to 6 PM.

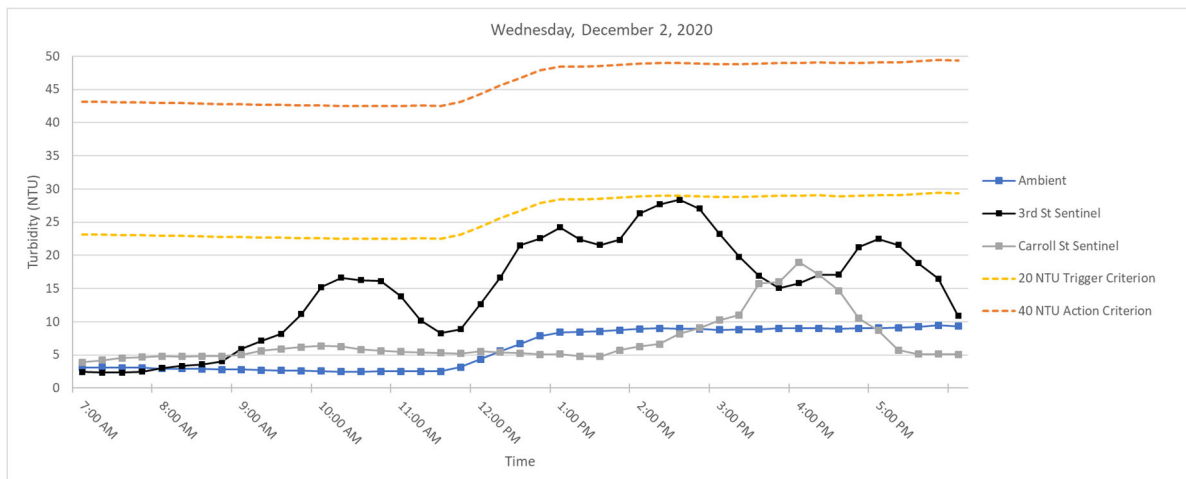


**Notes:**

1. On December 1, 2020 at 14:45 AM a spike in turbidity at the 3<sup>rd</sup> Street Sentinel Buoy of 36.75 NTU was eliminated as an outlier in accordance with the outlier analysis defined in Section 2 and the WQMP.

### 3.3 Wednesday, December 2, 2020

**Figure 4.** Hourly rolling average turbidity readings on Wednesday, December 2, 2020 from 7 AM to 6 PM.

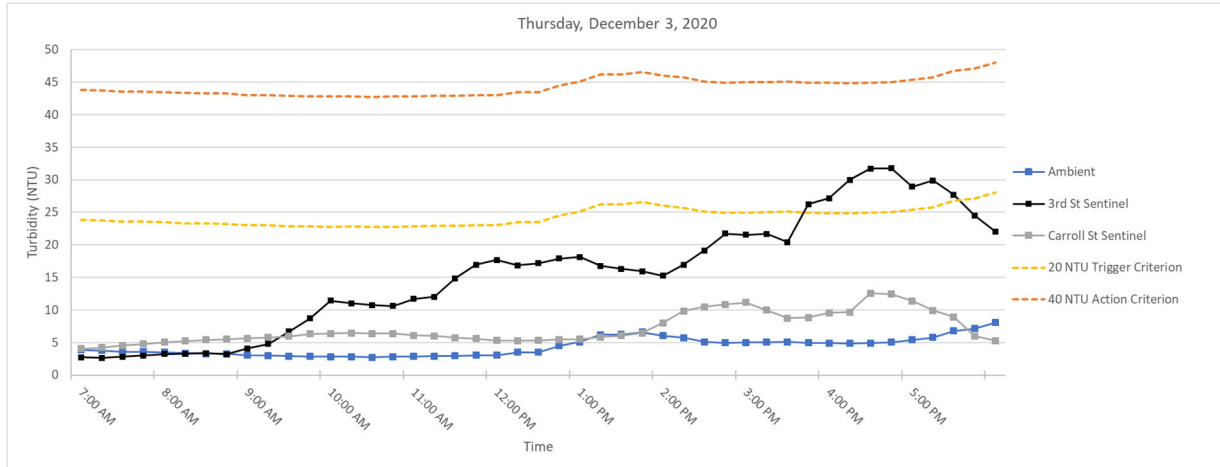


**Notes:**

1. On December 2, 2020 at 4:00 PM a spike in turbidity at the 3<sup>rd</sup> Street Sentinel Buoy of 41.7 NTU was eliminated as an outlier in accordance with the outlier analysis defined in Section 2 and the WQMP. A spike in turbidity at the Carroll Street Bridge of 73.14 NTU at 3:15 PM was also eliminated as an outlier in accordance with the outlier analysis.

### 1.4 Thursday, December 3, 2020

**Figure 5.** Hourly rolling average turbidity readings on Thursday, December 3, 2020 from 7 AM to 6 PM.

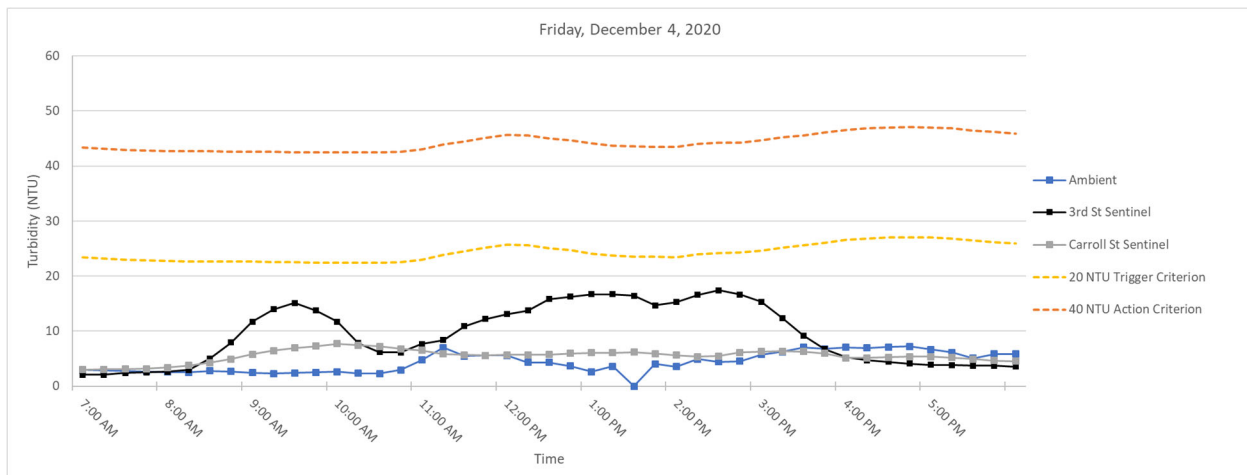


**Notes:**

1. On December 3, 2020 at 14:30 PM a spike in turbidity at the 3<sup>rd</sup> Street Sentinel Buoy of 41.7 NTU was eliminated as an outlier in accordance with the outlier analysis defined in Section 2 and the WQMP. A spike in turbidity at the Carroll Street Bridge of 73.14 NTU at 3:15 PM was also eliminated as an outlier in accordance with the outlier analysis.

### 3.5 Friday, December 4, 2020

**Figure 6.** Hourly rolling average turbidity readings on Friday, December 4, 2020 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, November 30, 2020

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	--	2.18	--	--	1.96	--	--	-
7:15:00	--	2.22	--	--	2.07	--	--	-
7:30:00	--	3.33	--	--	2.36	--	--	-
7:45:00	--	3.51	--	--	2.67	--	--	-
8:00:00	--	3.07	--	--	2.86	--	--	-
8:15:00	--	3.59	--	--	3.14	--	--	-
8:30:00	--	3.5	--	--	3.40	--	--	-
8:45:00	--	3.72	--	--	3.48	--	--	-
9:00:00	--	3.8	--	--	3.54	--	--	-
9:15:00	--	5.01	--	--	3.92	--	--	-
9:30:00	--	7.68	--	--	4.74	--	--	-
9:45:00	--	13.38	--	--	6.72	--	--	-
10:00:00	--	17.04	--	--	9.38	--	--	-
10:15:00	--	11.45	--	--	10.91	--	--	-
10:30:00	--	6.02	--	--	11.11	--	--	-
10:45:00	--	7.5	--	--	11.08	--	--	-
11:00:00	--	5.89	--	--	9.58	--	--	-
11:15:00	--	7.05	--	--	7.58	--	--	-
11:30:00	--	10.38	--	--	7.37	--	--	-
11:45:00	--	12.42	--	--	8.65	--	--	-
12:00:00	--	12.19	--	--	9.59	--	--	-
12:15:00	--	12.5	--	--	10.91	--	--	-
12:30:00	--	12.72	--	--	12.04	--	--	-
12:45:00	--	17.26	--	--	13.42	--	--	-
13:00:00	--	18.53	--	--	14.64	--	--	-
13:15:00	--	16.11	--	--	15.42	--	--	-
13:30:00	--	15.25	--	--	15.97	--	--	-
13:45:00	10.8	18.48	--	10.80	17.13	--	6.33	-
14:00:00	11.15	18.11	15.38	10.98	17.30	15.38	6.32	4.41
14:15:00	10.62	14.23	11.11	10.86	16.44	13.25	5.58	2.39
14:30:00	10.91	10.13	10.73	10.87	15.24	12.41	4.37	1.54
14:45:00	9.5	9.07	9.14	10.60	14.00	11.59	3.41	0.99
15:00:00	10.52	6.95	9.01	10.54	11.70	11.07	1.16	0.53
15:15:00	9.01	7.54	7.79	10.11	9.58	9.56	-0.53	-0.56
15:30:00	8.6	7.29	7.06	9.71	8.20	8.75	-1.51	-0.96
15:45:00	9.39	7.06	6.48	9.40	7.58	7.90	-1.82	-1.51
16:00:00	9.9	6.35	6.29	9.48	7.04	7.33	-2.45	-2.16
16:15:00	8.26	6.64	6.36	9.03	6.98	6.80	-2.06	-2.24
16:30:00	7.76	5.07	5.9	8.78	6.48	6.42	-2.30	-2.36
16:45:00	7.23	4.9	5.75	8.51	6.00	6.16	-2.50	-2.35
17:00:00	6.82	4.77	5.1	7.99	5.55	5.88	-2.45	-2.11
17:15:00	6.24	4.86	4.71	7.26	5.25	5.56	-2.01	-1.70
17:30:00	6.06	4.39	4.59	6.82	4.80	5.21	-2.02	-1.61
17:45:00	4.96	3.77	4.42	6.26	4.54	4.91	-1.72	-1.35
18:00:00	5.17	3.73	5.14	5.85	4.30	4.79	-1.55	-1.06

## Tuesday, December 1, 2020

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	1.35	1.52	2.56	1.47	1.40	2.43	-0.08	0.95
7:15:00	1.36	1.64	2.74	1.45	1.46	2.51	0.01	1.06
7:30:00	1.09	1.88	2.67	1.37	1.59	2.55	0.22	1.18
7:45:00	1.35	2.26	2.78	1.32	1.76	2.63	0.44	1.31
8:00:00	1.16	4.39	2.84	1.26	2.34	2.72	1.08	1.46
8:15:00	1.13	3.55	3.02	1.22	2.74	2.81	1.53	1.59
8:30:00	1.5	4.99	3.5	1.25	3.41	2.96	2.17	1.72
8:45:00	1.53	11.5	3.37	1.33	5.34	3.10	4.00	1.77
9:00:00	1.44	10.01	3.31	1.35	6.89	3.21	5.54	1.86
9:15:00	1.53	9.99	3.39	1.43	8.01	3.32	6.58	1.89
9:30:00	1.91	7.64	3.43	1.58	8.83	3.40	7.24	1.82
9:45:00	1.53	7.71	3.68	1.59	9.37	3.44	7.78	1.85
10:00:00	1.44	7.39	3.5	1.57	8.55	3.46	6.98	1.89
10:15:00	1.82	5.99	3.59	1.65	7.74	3.52	6.10	1.87
10:30:00	2.1	8.84	3.96	1.76	7.51	3.63	5.75	1.87
10:45:00	1.9	8.12	4.3	1.76	7.61	3.81	5.85	2.05
11:00:00	1.64	10.94	4.07	1.78	8.26	3.88	6.48	2.10
11:15:00	1.52	9.14	3.81	1.80	8.61	3.95	6.81	2.15
11:30:00	1.41	13.24	5.11	1.71	10.06	4.25	8.34	2.54
11:45:00	1.38	15.66	3.41	1.57	11.42	4.14	9.85	2.57
12:00:00	1.29	16.75	4.05	1.45	13.15	4.09	11.70	2.64
12:15:00	1.29	14.54	3.65	1.38	13.87	4.01	12.49	2.63
12:30:00	1.56	35.3	3.73	1.39	19.10	3.99	17.71	2.60
12:45:00	3.55	31.48	3.68	1.81	22.75	3.70	20.93	1.89
13:00:00	3.83	22.5	3.83	2.30	24.11	3.79	21.81	1.48
13:15:00	3.9	39.34	4.71	2.83	28.63	3.92	25.81	1.09
13:30:00	3.5	11.15	4.68	3.27	27.95	4.13	24.69	0.86
13:45:00	3.65	16.84	4.82	3.69	24.26	4.34	20.58	0.66
14:00:00	3.68	13.25	5.36	3.71	20.62	4.68	16.90	0.97
14:15:00	3.35	19.68	5.27	3.62	20.05	4.97	16.44	1.35
14:30:00	3.5	20.34	5.46	3.54	16.25	5.12	12.72	1.58
14:45:00	3.08	--	4.98	3.45	17.53	5.18	14.08	1.73
15:00:00	3.1	19.67	6.28	3.34	18.24	5.47	14.89	2.13
15:15:00	2.76	20.08	6.02	3.16	19.94	5.60	16.78	2.44
15:30:00	2.93	8.88	5.48	3.07	17.24	5.64	14.17	2.57
15:45:00	2.31	7.8	5.39	2.84	14.11	5.63	11.27	2.79
16:00:00	4.03	13	5.57	3.03	13.89	5.75	10.86	2.72
16:15:00	2.49	21.31	5.83	2.90	14.21	5.66	11.31	2.75
16:30:00	5.38	23.99	5.02	3.43	15.00	5.46	11.57	2.03
16:45:00	4.84	22.16	4.27	3.81	17.65	5.22	13.84	1.41
17:00:00	4.1	14.6	9.17	4.17	19.01	5.97	14.84	1.80
17:15:00	3.24	13.36	3.92	4.01	19.08	5.64	15.07	1.63
17:30:00	6.36	8.15	4.26	4.78	16.45	5.33	11.67	0.54
17:45:00	5.58	4.86	3.95	4.82	12.63	5.11	7.80	0.29
18:00:00	6.56	6.46	3.74	5.17	9.49	5.01	4.32	-0.16

## Wednesday, December 2, 2020

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	2.83	2.21	4.84	3.09	2.44	3.90	-0.65	0.81
7:15:00	3.06	2.22	4.74	3.09	2.32	4.19	-0.77	1.10
7:30:00	3	2.66	4.87	3.05	2.35	4.50	-0.71	1.45
7:45:00	2.94	2.88	4.8	3.04	2.47	4.65	-0.57	1.61
8:00:00	2.9	5.03	4.74	2.95	3.00	4.80	0.05	1.85
8:15:00	2.81	3.94	4.7	2.94	3.35	4.77	0.40	1.83
8:30:00	2.7	3.2	4.9	2.87	3.54	4.80	0.67	1.93
8:45:00	2.56	4.99	4.78	2.78	4.01	4.78	1.23	2.00
9:00:00	2.94	12.37	6.03	2.78	5.91	5.03	3.12	2.25
9:15:00	2.54	11.04	7.62	2.71	7.11	5.61	4.40	2.90
9:30:00	2.51	9.31	6.09	2.65	8.18	5.88	5.53	3.23
9:45:00	2.41	18.06	6.25	2.59	11.15	6.15	8.56	3.56
10:00:00	2.45	25.15	5.72	2.57	15.19	6.34	12.62	3.77
10:15:00	2.41	19.63	5.61	2.46	16.64	6.26	14.17	3.79
10:30:00	2.61	9.11	5.43	2.48	16.25	5.82	13.77	3.34
10:45:00	2.65	8.64	5.08	2.51	16.12	5.62	13.61	3.11
11:00:00	2.54	6.73	5.49	2.53	13.85	5.47	11.32	2.93
11:15:00	2.47	6.73	5.41	2.54	10.17	5.40	7.63	2.87
11:30:00	2.35	10.23	5.18	2.52	8.29	5.32	5.76	2.79
11:45:00	5.66	12.01	4.9	3.13	8.87	5.21	5.73	2.08
12:00:00	8.57	27.63	6.72	4.32	12.67	5.54	8.35	1.22
12:15:00	8.74	26.72	4.79	5.56	16.66	5.40	11.11	-0.16
12:30:00	8	30.88	4.57	6.66	21.49	5.23	14.83	-1.43
12:45:00	8.2	15.51	4.38	7.83	22.55	5.07	14.72	-2.76
13:00:00	8.48	20.36	5.11	8.40	24.22	5.11	15.82	-3.28
13:15:00	8.77	18.34	5.04	8.44	22.36	4.78	13.92	-3.66
13:30:00	9.15	22.71	4.7	8.52	21.56	4.76	13.04	-3.76
13:45:00	9.1	34.68	9.24	8.74	22.32	5.69	13.58	-3.05
14:00:00	9.03	35.36	7.31	8.91	26.29	6.28	17.38	-2.63
14:15:00	8.94	27.22	6.77	9.00	27.66	6.61	18.66	-2.39
14:30:00	8.57	21.87	12.87	8.96	28.37	8.18	19.41	-0.78
14:45:00	8.81	15.94	9.13	8.89	27.01	9.06	18.12	0.17
15:00:00	8.6	15.76	15.18	8.79	23.23	10.25	14.44	1.46
15:15:00	9.05	18.14	--	8.79	19.79	10.99	10.99	2.19
15:30:00	9.21	12.69	25.86	8.85	16.88	15.76	8.03	6.91
15:45:00	9.33	12.83	13.8	9.00	15.07	15.99	6.07	6.99
16:00:00	8.89	19.49	20.9	9.02	15.78	18.94	6.77	9.92
16:15:00	8.62	22.23	7.75	9.02	17.08	17.08	8.06	8.06
16:30:00	8.59	18.13	5.07	8.93	17.07	14.68	8.15	5.75
16:45:00	9.54	33.38	5.01	8.99	21.21	10.51	12.22	1.51
17:00:00	9.55	19.18	4.75	9.04	22.48	8.70	13.44	-0.34
17:15:00	9.22	14.78	5.97	9.10	21.54	5.71	12.44	-3.39
17:30:00	9.22	8.52	4.83	9.22	18.80	5.13	9.57	-4.10
17:45:00	9.74	6.48	4.95	9.45	16.47	5.10	7.01	-4.35
18:00:00	8.88	5.38	4.88	9.32	10.87	5.08	1.55	-4.25



## Thursday, December 3, 2020

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	4.03	2.42	4.5	3.87	2.74	4.03	-1.13	0.16
7:15:00	3.28	2.46	4.63	3.77	2.61	4.24	-1.17	0.46
7:30:00	3.18	3.67	5.17	3.57	2.81	4.53	-0.76	0.96
7:45:00	3.67	3.66	5.22	3.57	2.98	4.76	-0.59	1.20
8:00:00	3.22	3.83	5.69	3.48	3.21	5.04	-0.27	1.57
8:15:00	3.34	2.72	5.49	3.34	3.27	5.24	-0.07	1.90
8:30:00	3.03	2.97	5.38	3.29	3.37	5.39	0.08	2.10
8:45:00	3.03	2.66	5.82	3.26	3.17	5.52	-0.09	2.26
9:00:00	2.62	8.37	5.73	3.05	4.11	5.62	1.06	2.57
9:15:00	3.03	7.08	6.53	3.01	4.76	5.79	1.75	2.78
9:30:00	2.74	12.26	6.3	2.89	6.67	5.95	3.78	3.06
9:45:00	2.95	13.06	7.14	2.87	8.69	6.30	5.81	3.43
10:00:00	2.64	16.39	6.04	2.80	11.43	6.35	8.64	3.55
10:15:00	2.7	6.34	6.23	2.81	11.03	6.45	8.21	3.64
10:30:00	2.61	5.61	6.03	2.73	10.73	6.35	8.00	3.62
10:45:00	3.11	11.56	6.38	2.80	10.59	6.36	7.79	3.56
11:00:00	3.22	18.63	5.85	2.86	11.71	6.11	8.85	3.25
11:15:00	2.92	18.04	5.47	2.91	12.04	5.99	9.12	3.08
11:30:00	2.83	20.53	4.99	2.94	14.87	5.74	11.94	2.81
11:45:00	3.07	15.92	5.24	3.03	16.94	5.59	13.91	2.56
12:00:00	3.13	15.24	5.07	3.03	17.67	5.32	14.64	2.29
12:15:00	5.62	14.6	5.7	3.51	16.87	5.29	13.35	1.78
12:30:00	2.91	19.55	5.66	3.51	17.17	5.33	13.66	1.82
12:45:00	7.68	24.12	5.51	4.48	17.89	5.44	13.40	0.95
13:00:00	6.2	17.28	5.66	5.11	18.16	5.52	13.05	0.41
13:15:00	8.59	8.2	6.53	6.20	16.75	5.81	10.55	-0.39
13:30:00	5.75	12.32	6.83	6.23	16.29	6.04	10.07	-0.19
13:45:00	4.83	17.82	7.75	6.61	15.95	6.46	9.34	-0.15
14:00:00	4.77	20.67	13.19	6.03	15.26	7.99	9.23	1.96
14:15:00	4.66	25.82	14.82	5.72	16.97	9.82	11.25	4.10
14:30:00	5.45	--	9.67	5.09	19.16	10.45	14.07	5.36
14:45:00	5.16	22.61	8.82	4.97	21.73	10.85	16.76	5.88
15:00:00	4.92	17.09	9.19	4.99	21.55	11.14	16.56	6.15
15:15:00	4.95	21.19	7.44	5.03	21.68	9.99	16.65	4.96
15:30:00	5.09	20.77	8.62	5.11	20.42	8.75	15.30	3.63
15:45:00	4.75	49.68	10.13	4.97	26.27	8.84	21.29	3.87
16:00:00	4.74	--	12.44	4.89	27.18	9.56	22.29	4.67
16:15:00	4.88	28.34	--	4.88	30.00	9.66	25.11	4.78
16:30:00	5.12	28.1	19.15	4.92	31.72	12.59	26.81	7.67
16:45:00	5.65	21	8	5.03	31.78	12.43	26.75	7.40
17:00:00	6.67	38.38	5.95	5.41	28.96	11.39	23.54	5.97
17:15:00	6.45	33.73	6.54	5.75	29.91	9.91	24.16	4.16
17:30:00	10.09	17.29	4.97	6.80	27.70	8.92	20.90	2.13
17:45:00	6.83	12.23	4.56	7.14	24.53	6.00	17.39	-1.13
18:00:00	10.16	8.58	4.35	8.04	22.04	5.27	14.00	-2.77

## Friday, December 4, 2020

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	2.95	1.85	3.14	3.37	2.09	3.02	-1.28	-0.35
7:15:00	2.81	2.18	3.08	3.16	2.05	3.03	-1.11	-0.12
7:30:00	2.77	3.58	3.31	2.95	2.39	3.08	-0.56	0.13
7:45:00	2.65	2.81	3.45	2.85	2.51	3.18	-0.34	0.32
8:00:00	2.55	2.72	3.94	2.75	2.63	3.38	-0.12	0.64
8:15:00	2.52	3.36	5.02	2.66	2.93	3.76	0.27	1.10
8:30:00	2.79	12.78	5.64	2.66	5.05	4.27	2.39	1.62
8:45:00	2.65	18.11	6.66	2.63	7.96	4.94	5.32	2.31
9:00:00	2.47	21.7	7.74	2.60	11.73	5.80	9.14	3.20
9:15:00	2.31	13.85	7.12	2.55	13.96	6.44	11.41	3.89
9:30:00	2.41	9.2	7.51	2.53	15.13	6.93	12.60	4.41
9:45:00	2.5	5.95	7.44	2.47	13.76	7.29	11.29	4.83
10:00:00	2.6	7.72	8.83	2.46	11.68	7.73	9.23	5.27
10:15:00	2.34	2.32	6.3	2.43	7.81	7.44	5.38	5.01
10:30:00	2.31	5.59	5.88	2.43	6.16	7.19	3.72	4.76
10:45:00	2.92	9.09	5.5	2.53	6.13	6.79	3.60	4.26
11:00:00	4.76	13.52	5.89	2.99	7.65	6.48	4.66	3.49
11:15:00	7	11.33	5.74	3.87	8.37	5.86	4.50	2.00
11:30:00	5.44	14.88	5.39	4.49	10.88	5.68	6.40	1.19
11:45:00	5.55	12.31	5.4	5.13	12.23	5.58	7.09	0.45
12:00:00	5.55	13.32	6	5.66	13.07	5.68	7.41	0.02
12:15:00	4.31	16.75	5.81	5.57	13.72	5.67	8.15	0.10
12:30:00	4.34	21.78	6.22	5.04	15.81	5.76	10.77	0.73
12:45:00	3.64	17.22	6.44	4.68	16.28	5.97	11.60	1.30
13:00:00	2.63	14.48	5.95	4.09	16.71	6.08	12.62	1.99
13:15:00	3.58	13.3	5.79	3.70	16.71	6.04	13.01	2.34
13:30:00	--	15.22	6.37	3.55	16.40	6.15	12.85	2.61
13:45:00	4.02	13.26	4.91	3.47	14.70	5.89	11.23	2.42
14:00:00	3.53	20.01	4.99	3.44	15.25	5.60	11.81	2.16
14:15:00	4.9	21.23	4.62	4.01	16.60	5.34	12.60	1.33
14:30:00	4.44	17.37	6.38	4.22	17.42	5.45	13.20	1.23
14:45:00	4.52	11.27	9.61	4.28	16.63	6.10	12.35	1.82
15:00:00	5.72	6.68	5.83	4.62	15.31	6.29	10.69	1.66
15:15:00	6.24	5.21	5.19	5.16	12.35	6.33	7.19	1.16
15:30:00	7.04	5.53	4.51	5.59	9.21	6.30	3.62	0.71
15:45:00	6.79	4.8	4.64	6.06	6.70	5.96	0.64	-0.11
16:00:00	7.07	4.01	5.55	6.57	5.25	5.14	-1.33	-1.43
16:15:00	6.97	3.81	5.78	6.82	4.67	5.13	-2.15	-1.69
16:30:00	7.11	3.89	5.7	7.00	4.41	5.24	-2.59	-1.76
16:45:00	7.21	3.93	5.04	7.03	4.09	5.34	-2.94	-1.69
17:00:00	6.65	3.79	4.77	7.00	3.89	5.37	-3.12	-1.63
17:15:00	6.12	3.61	4.55	6.81	3.81	5.17	-3.01	-1.64
17:30:00	5.07	3.38	4.51	6.43	3.72	4.91	-2.71	-1.52
17:45:00	5.87	3.74	4.39	6.18	3.69	4.65	-2.49	-1.53
18:00:00	5.87	3.34	4.34	5.92	3.57	4.51	-2.34	-1.40