

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

**PERIOD: August 30 - September 3, 2021**

**Date of Report: September 08, 2021**

## **Report Contents**

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

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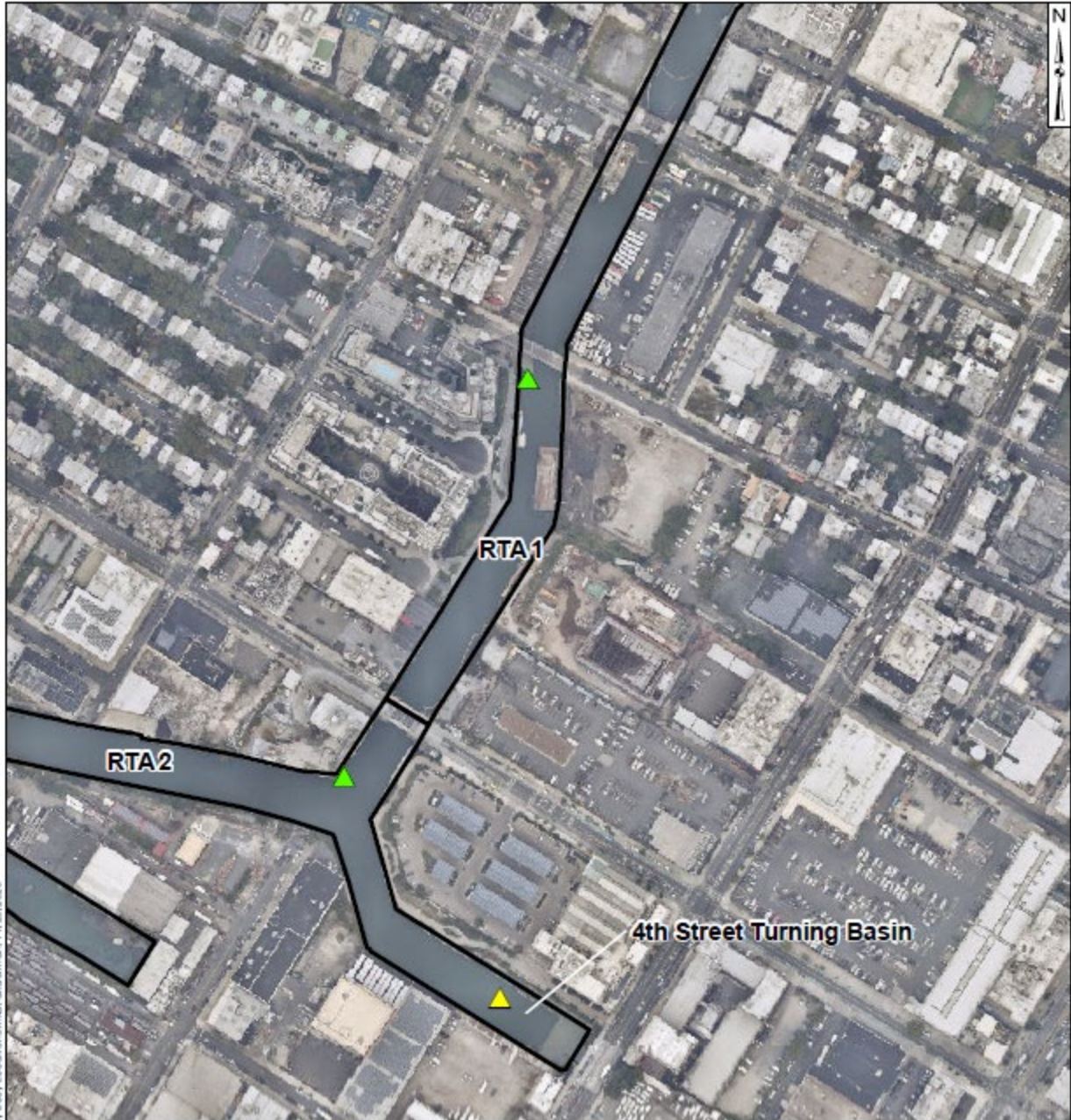
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Project Number JR0289A

## 1. SCOPE OF MONITORING

The following report summarizes water quality monitoring data collected during the week of August 30, 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 current 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 August 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.

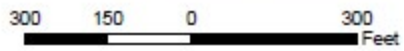
During the week of August 30, 2021, the turbidity meter at the Ambient Buoy was reading unusually high turbidity values due to biofouling. Readings from the Ambient Buoy turbidity meter were discarded, and the meter was cleaned and calibrated on Friday, September 3<sup>rd</sup>, 2021. Turbidity readings from the 3<sup>rd</sup> Street Sentinel Buoy and Carroll Street Sentinel Buoy remained well below 20 NTU throughout the reporting period.



J:\Users\erling\_kurowski\OneDrive\Documents\Projects\Gowanus Canal\Map\Turbidity Buoy Locations.mxd; okulm\06-11-2021\0210

**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 action criteria or trigger criteria were observed during the reporting period. Although turbidity data from the Ambient Buoy was discarded, turbidity readings from the 3<sup>rd</sup> Street Sentinel Buoy and Carroll Street Sentinel Buoy remained well below 20 NTU throughout the reporting period.

- **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.

No exceedances to the quantitative trigger or action level criteria were observed during this reporting period. No exceedances to the qualitative trigger or action criteria were observed during this reporting period.

### 3. TURBIDITY BUOY DATA

The following section provides turbidity data for the sentinel turbidity buoys from 7 AM to 6 PM from August 30 - September 3, 2021. Turbidity meters in the buoys were removed from the Canal for cleaning and calibration on Friday September 3<sup>rd</sup>, 2021 from 09:00 AM to 03:00 PM. Turbidity data during this time was excluded from the report. As indicated in Section 1, turbidity data from the Ambient Buoy was discarded due to biofouling of the sensor. No exceedances of the action or trigger level criteria occurred during this reporting period.

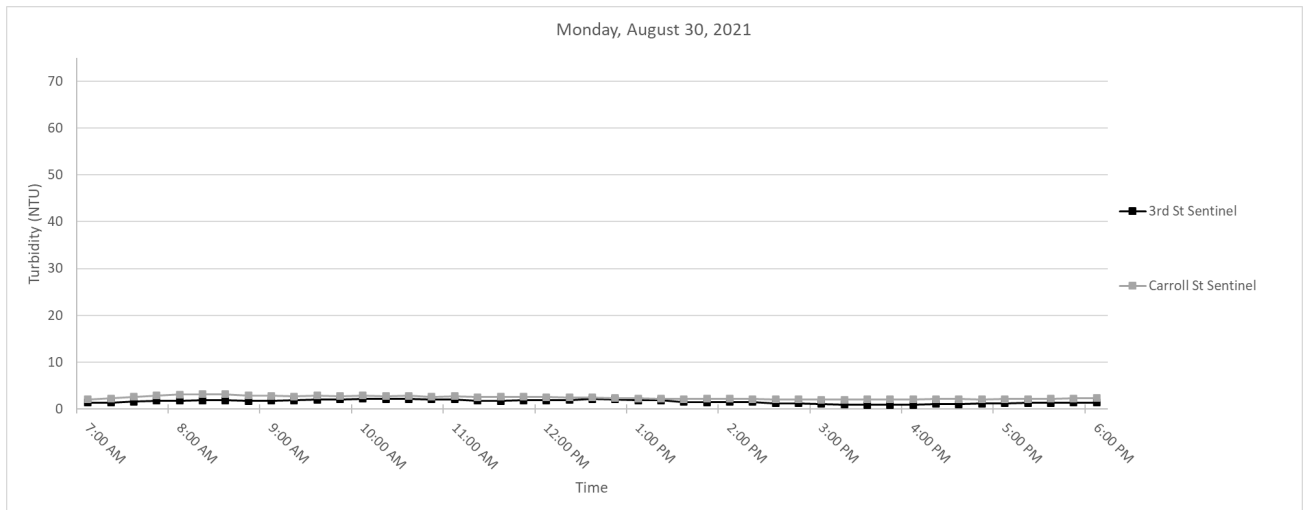
Section 2.1 contains further information on these exceedances. **Table 1** below provides a summary of the turbidity data for the reporting period.

Date	Average Rolling Average Turbidity (NTU)	
	3rd St	Carroll St
Monday, August 30, 2021	1.59	2.43
Tuesday, August 31, 2021	1.43	2.52
Wednesday, September 1, 2021	0.97	2.34
Thursday, September 2, 2021	2.70	3.30
Friday, September 3, 2021	-3.22	0.12

**Table 1.** Average Rolling Average Turbidity readings from RTA1 sentinel buoys between 7 AM and 6 PM

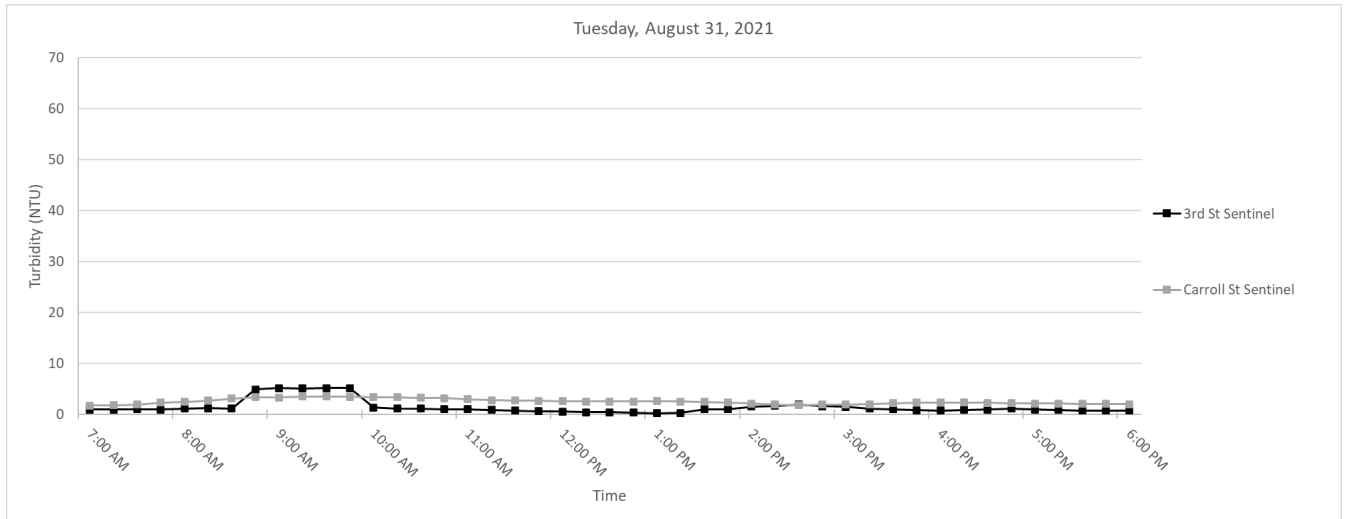
#### 3.1 Monday, August 30, 2021

**Figure 2.** Hourly rolling average turbidity readings on Monday, August 30, 2021 from 7 AM to 6 PM.



### 3.2 Tuesday, August 31, 2021

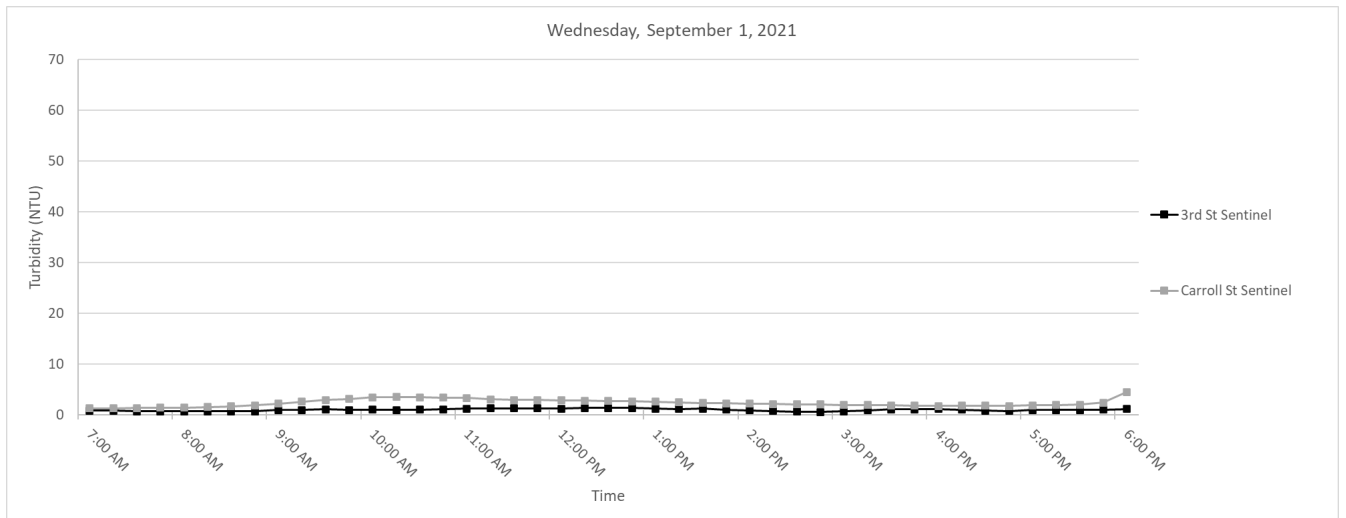
**Figure 3.** Hourly rolling average turbidity readings on Tuesday, August 31, 2021 from 7 AM to 6 PM.



**Note:** No outliers above 10 NTU were identified.

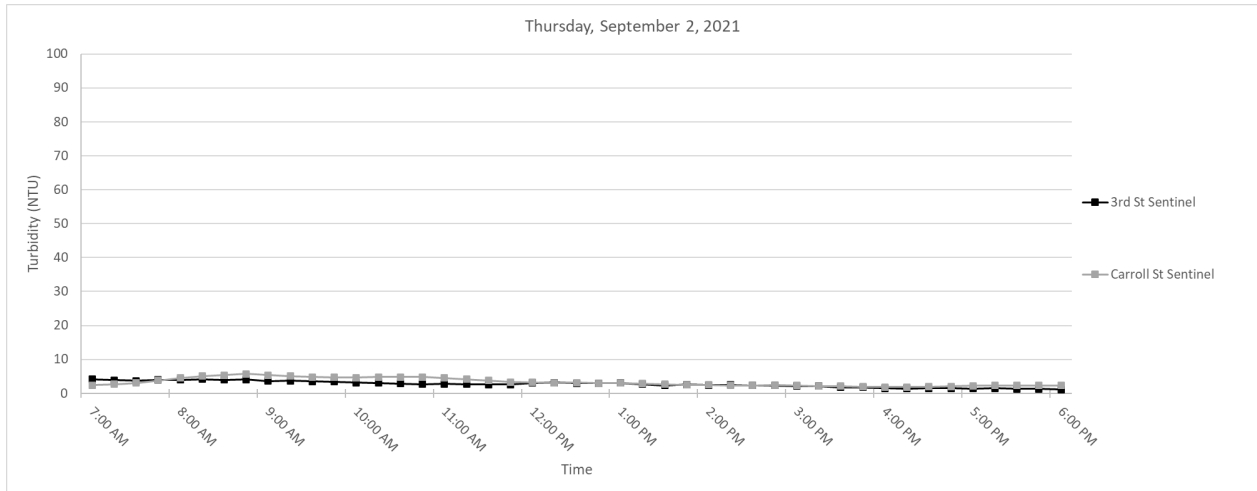
### 3.3 Wednesday, September 1, 2021

**Figure 4.** Hourly rolling average turbidity readings on Wednesday, September 1, 2021 from 7 AM to 6 PM.



### 3.4 Thursday, September 2, 2021

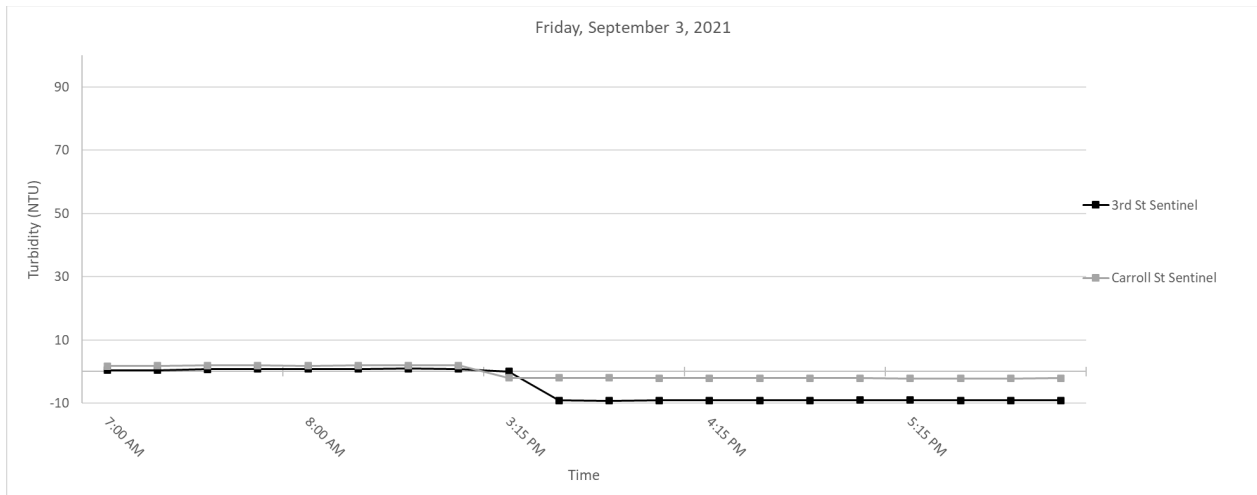
**Figure 5.** Hourly rolling average turbidity readings on Thursday, September 2, 2021 from 7 AM to 6 PM.



**Note:** No outliers above 10 NTU were identified.

### 3.5 Friday, September 3, 2021

**Figure 6.** Hourly rolling average turbidity readings on Friday, September 3, 2021 from 7 AM to 6 PM.



**Note:** No outliers above 10 NTU were identified. Turbidity readings during water quality meter calibrations were excluded.



## **SUMMARY OF VISUAL OBSERVATIONS**

No sheen above background conditions attributable to in-waterway construction activities was observed during this reporting period.

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

## Monday, August 30, 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	29.87	1.47	2.3	26.67	1.36	2.06	-25.30	-24.61
7:15:00	28.41	1.44	3.17	27.40	1.35	2.24	-26.05	-25.16
7:30:00	28.72	2.13	3.7	27.67	1.56	2.59	-26.11	-25.08
7:45:00	28.06	2.22	3.36	28.24	1.75	2.87	-26.48	-25.36
8:00:00	26.02	1.8	3.05	28.22	1.81	3.12	-26.40	-25.10
8:15:00	27.27	1.54	2.47	27.70	1.83	3.15	-25.87	-24.55
8:30:00	26.88	1.6	3.12	27.39	1.86	3.14	-25.53	-24.25
8:45:00	24.85	1.55	2.44	26.62	1.74	2.89	-24.87	-23.73
9:00:00	23.89	2.25	3.09	25.78	1.75	2.83	-24.03	-22.95
9:15:00	27.31	2.16	2.34	26.04	1.82	2.69	-24.22	-23.35
9:30:00	22.96	2.26	3.53	25.18	1.96	2.90	-23.21	-22.27
9:45:00	21.97	2.12	2.46	24.20	2.07	2.77	-22.13	-21.42
10:00:00	23.63	2.06	3.06	23.95	2.17	2.90	-21.78	-21.06
10:15:00	25.42	2.11	2.44	24.26	2.14	2.77	-22.12	-21.49
10:30:00	23.2	2.23	2.62	23.44	2.16	2.82	-21.28	-20.61
10:45:00	22.61	1.7	2.57	23.37	2.04	2.63	-21.32	-20.74
11:00:00	22.82	2.24	2.92	23.54	2.07	2.72	-21.47	-20.81
11:15:00	23.22	0.78	2.12	23.45	1.81	2.53	-21.64	-20.92
11:30:00	25.12	1.73	2.75	23.39	1.74	2.60	-21.66	-20.80
11:45:00	22.71	2.72	2.65	23.30	1.83	2.60	-21.46	-20.69
12:00:00	24.23	1.83	2.42	23.62	1.86	2.57	-21.76	-21.05
12:15:00	25.05	2.59	2.3	24.07	1.93	2.45	-22.14	-21.62
12:30:00	24.05	1.88	2.15	24.23	2.15	2.45	-22.08	-21.78
12:45:00	25.31	1.38	2.15	24.27	2.08	2.33	-22.19	-21.94
13:00:00	23.76	1.45	2.18	24.48	1.83	2.24	-22.65	-22.24
13:15:00	24.87	1.83	2.14	24.61	1.83	2.18	-22.78	-22.42
13:30:00	24.54	1.02	2.16	24.51	1.51	2.16	-22.99	-22.35
13:45:00	24.19	1.34	2.22	24.53	1.40	2.17	-23.13	-22.36
14:00:00	46.32	2.01	2.17	28.74	1.53	2.17	-27.21	-26.56
14:15:00	24.7	1.16	2	28.92	1.47	2.14	-27.45	-26.79
14:30:00	23.98	0.5	1.87	28.75	1.21	2.08	-27.54	-26.66
14:45:00	26.54	1.11	1.98	29.15	1.22	2.05	-27.92	-27.10
15:00:00	24.99	0.64	1.91	29.31	1.08	1.99	-28.22	-27.32
15:15:00	24.94	1.44	2.16	25.03	0.97	1.98	-24.06	-23.05
15:30:00	28.01	0.77	2.21	25.69	0.89	2.03	-24.80	-23.67
15:45:00	28.43	0.57	1.91	26.58	0.91	2.03	-25.68	-24.55
16:00:00	29.28	1.05	2.22	27.13	0.89	2.08	-26.24	-25.05
16:15:00	28.93	1.45	2.05	27.92	1.06	2.11	-26.86	-25.81
16:30:00	29.56	1.37	2.08	28.84	1.04	2.09	-27.80	-26.75
16:45:00	29.1	1.18	2.14	29.06	1.12	2.08	-27.94	-26.98
17:00:00	28.7	1.05	2.2	29.11	1.22	2.14	-27.89	-26.98
17:15:00	24.63	1.58	2.13	28.18	1.33	2.12	-26.86	-26.06
17:30:00	23.46	1.45	2.42	27.09	1.33	2.19	-25.76	-24.90
17:45:00	23.14	1.39	2.55	25.81	1.33	2.29	-24.48	-23.52
18:00:00	22.37	1.49	2.46	24.46	1.39	2.35	-23.07	-22.11

## Tuesday, August 31, 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	20.93	1.14	1.87	21.72	0.95	1.73	-20.77	-19.99
7:15:00	20.35	1.24	1.92	21.66	0.96	1.80	-20.70	-19.86
7:30:00	22.19	1.07	2.52	21.24	1.04	1.96	-20.20	-19.28
7:45:00	20.12	0.75	3.49	20.97	0.96	2.31	-20.01	-18.66
8:00:00	21.41	1.66	2.44	21.00	1.17	2.45	-19.83	-18.55
8:15:00	20.84	1.35	3.21	20.98	1.21	2.72	-19.77	-18.27
8:30:00	21.43	0.93	3.92	21.20	1.15	3.12	-20.05	-18.08
8:45:00	21.11	19.91	3.86	20.98	4.92	3.38	-16.06	-17.60
9:00:00	23.07	1.86	3.23	21.57	5.14	3.33	-16.43	-18.24
9:15:00	22.66	1.41	3.51	21.82	5.09	3.55	-16.73	-18.28
9:30:00	24.03	1.54	3.04	22.46	5.13	3.51	-17.33	-18.95
9:45:00	21.98	0.91	3.52	22.57	5.13	3.43	-17.44	-19.14
10:00:00	21.93	1.15	3.5	22.73	1.37	3.36	-21.36	-19.37
10:15:00	23.46	0.85	3.19	22.81	1.17	3.35	-21.64	-19.46
10:30:00	21.27	1.19	2.9	22.53	1.13	3.23	-21.41	-19.30
10:45:00	20.87	1.08	2.72	21.90	1.04	3.17	-20.87	-18.74
11:00:00	22.42	0.94	2.51	21.99	1.04	2.96	-20.95	-19.03
11:15:00	21.45	0.33	2.7	21.89	0.88	2.80	-21.02	-19.09
11:30:00	22.99	0.2	2.79	21.80	0.75	2.72	-21.05	-19.08
11:45:00	20.89	0.62	2.47	21.72	0.63	2.64	-21.09	-19.09
12:00:00	23.06	--	2.62	22.16	0.52	2.62	-21.64	-19.54
12:15:00	22.45	0.48	2.14	22.17	0.41	2.54	-21.76	-19.62
12:30:00	21.62	--	2.69	22.20	0.43	2.54	-21.77	-19.66
12:45:00	19.47	-0.02	2.63	21.50	0.36	2.51	-21.14	-18.99
13:00:00	19.65	0.12	2.99	21.25	0.19	2.61	-21.06	-18.64
13:15:00	19.94	0.69	2.25	20.63	0.32	2.54	-20.31	-18.09
13:30:00	20.68	3.34	1.84	20.27	1.03	2.48	-19.24	-17.79
13:45:00	20.71	0.98	1.81	20.09	1.02	2.30	-19.07	-17.79
14:00:00	20.81	2.44	1.93	20.36	1.51	2.16	-18.84	-18.19
14:15:00	22.18	0.91	1.69	20.86	1.67	1.90	-19.19	-18.96
14:30:00	30.91	2.09	1.88	23.06	1.95	1.83	-21.11	-21.23
14:45:00	24.02	1.66	2.24	23.73	1.62	1.91	-22.11	-21.82
15:00:00	22.23	0.27	2.04	24.03	1.47	1.96	-22.56	-22.07
15:15:00	19.88	0.93	2.26	23.84	1.17	2.02	-22.67	-21.82
15:30:00	20.33	0.2	2.55	23.47	1.03	2.19	-22.44	-21.28
15:45:00	22.63	1.14	2.58	21.82	0.84	2.33	-20.98	-19.48
16:00:00	18.84	1.2	2.13	20.78	0.75	2.31	-20.03	-18.47
16:15:00	20.31	0.97	1.98	20.40	0.89	2.30	-19.51	-18.10
16:30:00	24.95	1.35	2.21	21.41	0.97	2.29	-20.44	-19.12
16:45:00	18.91	0.97	2.16	21.13	1.13	2.21	-20.00	-18.92
17:00:00	18.94	0.23	2.08	20.39	0.94	2.11	-19.45	-18.28
17:15:00	22.96	0.86	2.09	21.21	0.88	2.10	-20.34	-19.11
17:30:00	18.21	0.42	1.92	20.79	0.77	2.09	-20.03	-18.70
17:45:00	19.58	1.41	2.03	19.72	0.78	2.06	-18.94	-17.66
18:00:00	20.41	0.92	1.93	20.02	0.77	2.01	-19.25	-18.01

## Wednesday, September 1, 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	25.87	0.76	1.16	23.84	0.82	1.31	-23.02	-22.53
7:15:00	19.72	0.74	1.4	22.60	0.80	1.31	-21.80	-21.29
7:30:00	22.68	0.78	1.57	22.03	0.68	1.36	-21.34	-20.67
7:45:00	21.62	0.15	1.46	21.99	0.66	1.38	-21.32	-20.61
8:00:00	24.23	0.97	1.49	22.82	0.68	1.42	-22.14	-21.41
8:15:00	25.5	0.75	1.87	22.75	0.68	1.56	-22.07	-21.19
8:30:00	21.59	0.66	2.03	23.12	0.66	1.68	-22.46	-21.44
8:45:00	20.85	1	2.41	22.76	0.71	1.85	-22.05	-20.91
9:00:00	20.93	1.21	3.19	22.62	0.92	2.20	-21.70	-20.42
9:15:00	20.73	1.25	3.54	21.92	0.97	2.61	-20.95	-19.31
9:30:00	20.79	1.33	3.49	20.98	1.09	2.93	-19.89	-18.05
9:45:00	19.65	-0.05	3.11	20.59	0.95	3.15	-19.64	-17.44
10:00:00	20.37	1.19	3.99	20.49	0.99	3.46	-19.51	-17.03
10:15:00	19.95	1.02	3.4	20.30	0.95	3.51	-19.35	-16.79
10:30:00	21.38	1.54	3.13	20.43	1.01	3.42	-19.42	-17.00
10:45:00	21.32	1.54	3.14	20.53	1.05	3.35	-19.49	-17.18
11:00:00	21.27	0.62	2.82	20.86	1.18	3.30	-19.68	-17.56
11:15:00	23.31	1.57	2.9	21.45	1.26	3.08	-20.19	-18.37
11:30:00	21.64	0.97	2.76	21.78	1.25	2.95	-20.54	-18.83
11:45:00	21.26	1.54	2.9	21.76	1.25	2.90	-20.51	-18.86
12:00:00	23.44	1.32	2.82	22.18	1.20	2.84	-20.98	-19.34
12:15:00	25.79	1.2	2.66	23.09	1.32	2.81	-21.77	-20.28
12:30:00	22.19	1.54	2.56	22.86	1.31	2.74	-21.55	-20.12
12:45:00	21.94	1.15	2.42	22.92	1.35	2.67	-21.57	-20.25
13:00:00	24.83	0.96	2.52	23.64	1.23	2.60	-22.40	-21.04
13:15:00	23.82	0.98	2.09	23.71	1.17	2.45	-22.55	-21.26
13:30:00	22.38	1.34	2.22	23.03	1.19	2.36	-21.84	-20.67
13:45:00	22.24	0.79	2.04	23.04	1.04	2.26	-22.00	-20.78
14:00:00	21.91	0.42	2.08	23.04	0.90	2.19	-22.14	-20.85
14:15:00	22.67	0.16	2.11	22.60	0.74	2.11	-21.87	-20.50
14:30:00	25.44	0.49	1.83	22.93	0.64	2.06	-22.29	-20.87
14:45:00	26.98	0.97	2.22	23.85	0.57	2.06	-23.28	-21.79
15:00:00	26.17	1.36	1.57	24.63	0.68	1.96	-23.95	-22.67
15:15:00	25.3	1.52	1.89	25.31	0.90	1.92	-24.41	-23.39
15:30:00	24.87	1.07	1.87	25.75	1.08	1.88	-24.67	-23.88
15:45:00	25.38	0.63	1.56	25.74	1.11	1.82	-24.63	-23.92
16:00:00	24.88	1.19	1.71	25.32	1.15	1.72	-24.17	-23.60
16:15:00	24.43	0.76	2.06	24.97	1.03	1.82	-23.94	-23.15
16:30:00	24.09	0.42	1.82	24.73	0.81	1.80	-23.92	-22.93
16:45:00	26.83	0.7	1.68	25.12	0.74	1.77	-24.38	-23.36
17:00:00	23.7	1.58	2.19	24.79	0.93	1.89	-23.86	-22.89
17:15:00	24.83	1.33	1.98	24.78	0.96	1.95	-23.82	-22.83
17:30:00	24.9	0.69	2.26	24.87	0.94	1.99	-23.93	-22.88
17:45:00	26.34	0.93	3.82	25.32	1.05	2.39	-24.27	-22.93
18:00:00	24.18	1.12	12.34	24.79	1.13	4.52	-23.66	-20.27

## Thursday, September 2, 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	46.79	3.39	2.85	47.65	4.15	2.38	-43.50	-45.27
7:15:00	53.76	3.77	3.88	46.12	3.85	2.71	-42.27	-43.41
7:30:00	47.29	3.82	3.91	46.70	3.72	3.05	-42.97	-43.64
7:45:00	43.94	5.51	6.43	46.64	3.97	3.83	-42.67	-42.81
8:00:00	40.6	3.53	5.84	46.48	4.00	4.58	-42.47	-41.89
8:15:00	--	4.23	5.53	46.40	4.17	5.12	-42.23	-41.28
8:30:00	50.8	3.08	5.23	45.66	4.03	5.39	-41.62	-40.27
8:45:00	43.19	4.23	5.46	44.63	4.12	5.70	-40.52	-38.93
9:00:00	44.76	3.19	4.63	44.84	3.65	5.34	-41.19	-39.50
9:15:00	49.76	3.72	4.6	47.13	3.69	5.09	-43.44	-42.04
9:30:00	42.74	3.19	4.11	46.25	3.48	4.81	-42.77	-41.44
9:45:00	52.17	2.79	4.87	46.52	3.42	4.73	-43.10	-41.79
10:00:00	44.14	2.98	5.18	46.71	3.17	4.68	-43.54	-42.04
10:15:00	39.1	2.62	5.19	45.58	3.06	4.79	-42.52	-40.79
10:30:00	48.39	2.74	4.56	45.31	2.86	4.78	-42.44	-40.53
10:45:00	40.27	2.12	4.1	44.81	2.65	4.78	-42.16	-40.03
11:00:00	34.72	3.33	3.81	41.32	2.76	4.57	-38.57	-36.76
11:15:00	51.03	2.69	3.17	42.70	2.70	4.17	-40.00	-38.54
11:30:00	40.82	2.25	3.16	43.05	2.63	3.76	-40.42	-39.29
11:45:00	43.87	2.63	2.68	42.14	2.60	3.38	-39.54	-38.76
12:00:00	35.21	4.21	3.55	41.13	3.02	3.27	-38.11	-37.86
12:15:00	42.33	4.02	2.97	42.65	3.16	3.11	-39.49	-39.55
12:30:00	45.7	1.8	3.28	41.59	2.98	3.13	-38.60	-38.46
12:45:00	43.76	2.02	2.51	42.17	2.94	3.00	-39.24	-39.18
13:00:00	43.08	3.05	2.98	42.02	3.02	3.06	-39.00	-38.96
13:15:00	39.89	--	2.46	42.95	2.72	2.84	-40.23	-40.11
13:30:00	41.17	2.54	2.4	42.72	2.35	2.73	-40.37	-39.99
13:45:00	46.04	2.75	2.39	42.79	2.59	2.55	-40.20	-40.24
14:00:00	31.94	1.51	2.42	40.42	2.46	2.53	-37.96	-37.89
14:15:00	36.1	3.08	2.15	39.03	2.47	2.36	-36.56	-36.66
14:30:00	39.84	1.61	2.33	39.02	2.30	2.34	-36.72	-36.68
14:45:00	39.38	2.68	2.57	38.66	2.33	2.37	-36.33	-36.29
15:00:00	38.01	2.04	1.93	37.05	2.18	2.28	-34.87	-34.77
15:15:00	41.57	1.12	1.85	38.98	2.11	2.17	-36.87	-36.81
15:30:00	41.78	1.53	1.81	40.12	1.80	2.10	-38.32	-38.02
15:45:00	41.95	1.7	1.69	40.54	1.81	1.97	-38.72	-38.57
16:00:00	43.71	1.19	2.07	41.40	1.52	1.87	-39.89	-39.53
16:15:00	46.39	1.35	2.03	43.08	1.38	1.89	-41.70	-41.19
16:30:00	43.75	1.55	2.29	43.52	1.46	1.98	-42.05	-41.54
16:45:00	43.23	1.83	2.19	43.81	1.52	2.05	-42.28	-41.75
17:00:00	41.1	1.12	2.44	43.64	1.41	2.20	-42.23	-41.43
17:15:00	43.62	1.53	2.45	43.62	1.48	2.28	-42.14	-41.34
17:30:00	40.38	0.74	2.3	42.42	1.35	2.33	-41.06	-40.08
17:45:00	44.79	1.53	2.26	42.62	1.35	2.33	-41.27	-40.30
18:00:00	41.1	0.48	2.18	42.20	1.08	2.33	-41.12	-39.87

## Friday, September 3, 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	Union St - Ambient
7:00:00	37.69	1.14	1.62	36.10	0.43	1.78	-35.67	-34.32	--
7:15:00	35.3	0.48	1.73	35.76	0.48	1.84	-35.28	-33.92	--
7:30:00	31.94	1.36	2.04	35.43	0.74	1.93	-34.69	-33.50	--
7:45:00	35.71	0.55	2.05	35.43	0.81	1.99	-34.62	-33.44	--
8:00:00	33.96	0.69	2.02	34.92	0.84	1.89	-34.08	-33.03	--
8:15:00	33.35	1.02	1.83	34.05	0.82	1.93	-33.23	-32.12	--
8:30:00	32.51	0.91	1.92	33.49	0.91	1.97	-32.59	-31.52	--
8:45:00	--	1.17	1.98	33.88	0.87	1.96	-33.01	-31.92	--
9:00:00	--	--	2.27	33.27	0.95	2.00	-32.33	-31.27	--
9:15:00	--	1.1	4.09	32.93	1.05	2.42	-31.88	-30.51	--
9:30:00	--	1.34	--	32.51	1.13	2.57	-31.38	-29.95	--
9:45:00	--	0.45	--	--	1.02	2.78	--	--	--
10:00:00	--	--	--	--	0.96	3.18	--	--	--
10:15:00	--	--	--	--	0.96	4.09	--	--	--
10:30:00	--	--	--	--	0.90	--	--	--	--
10:45:00	--	--	--	--	0.45	--	--	--	--
11:00:00	--	--	--	--	--	--	--	--	--
11:15:00	--	--	--	--	--	--	--	--	--
11:30:00	--	--	--	--	--	--	--	--	--
11:45:00	--	--	--	--	--	--	--	--	--
12:00:00	--	--	--	--	--	--	--	--	--
12:15:00	--	--	--	--	--	--	--	--	--
12:30:00	--	--	--	--	--	--	--	--	--
12:45:00	--	--	--	--	--	--	--	--	--
13:00:00	--	--	--	--	--	--	--	--	--
13:15:00	--	--	--	--	--	--	--	--	--
13:30:00	--	--	--	--	--	--	--	--	--
13:45:00	--	--	--	--	--	--	--	--	--
14:00:00	-2.44	--	--	-2.44	--	--	--	--	--
14:15:00	-2.89	--	--	-2.67	--	--	--	--	--
14:30:00	-2.8	--	--	-2.71	--	--	--	--	--
14:45:00	-2.75	--	-1.92	-2.72	--	-1.92	--	0.80	--
15:00:00	-2.95	--	-1.86	-2.77	--	-1.89	--	0.88	--
15:15:00	-2.72	--	-2	-2.82	--	-1.93	--	0.90	--
15:30:00	-2.97	-9.15	-2.13	-2.84	-9.15	-1.98	-6.31	0.86	--
15:45:00	-2.84	-9.36	-2.17	-2.85	-9.26	-2.02	-6.41	0.83	--
16:00:00	-2.73	-8.94	-2.06	-2.84	-9.15	-2.04	-6.31	0.80	--
16:15:00	-2.84	-9.07	-2.15	-2.82	-9.13	-2.10	-6.31	0.72	--
16:30:00	-2.67	-9.03	-1.99	-2.81	-9.11	-2.10	-6.30	0.71	--
16:45:00	-2.87	-9.03	-2.19	-2.79	-9.09	-2.11	-6.30	0.68	--
17:00:00	-2.76	-9.16	-2.15	-2.77	-9.05	-2.11	-6.27	0.67	--
17:15:00	-3.1	-8.97	-2.51	-2.85	-9.05	-2.20	-6.20	0.65	--
17:30:00	-2.79	-9.19	-2.14	-2.84	-9.08	-2.20	-6.24	0.64	--
17:45:00	-2.93	-8.96	-1.96	-2.89	-9.06	-2.19	-6.17	0.70	--
18:00:00	-3	-9.08	-1.76	-2.92	-9.07	-2.10	-6.16	0.81	--