

**GOWANUS CANAL SUPERFUND SITE
RTA2 REMEDIAL CONSTRUCTION
Water Quality Monitoring Weekly Data Summary**

PERIOD: July 8, 2024 – July 12, 2024

Date of Report: July 16, 2024

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1. SCOPE OF MONITORING

1.1 Buoy Locations

In accordance with the Water Quality Monitoring Plan for In-waterway Construction Activities (WQMP) two turbidity buoys were deployed to monitor turbidity related to bulkhead probing and large debris removal activities. A turbidity buoy was deployed in the Fourth Street Turning Basin (TB4) to monitor background turbidity unaffected by in-water construction activities and was referred to as the Ambient Buoy. A turbidity buoy was deployed north of 9th Street Bridge, along the west bulkhead. These buoys (Figure 1) are in use to monitor the limited RTA2 construction activities. Additional buoys will be added when intrusive dredging begins in the waterway.

All readings from buoys were transmitted via telemetry at 15-minute intervals. The instrument used to collect turbidity and DO from the buoys is an In-Situ VuLink (telemetry) and AquaTroll500 (sonde), equipped with optical sensors capable of reading turbidity levels with an accuracy of +/-0.5 NTU and DO levels with an accuracy of +/-0.1 mg/L.

1.2 Current Reporting Period Scope of Monitoring

During the week of July 8, 2024, two turbidity buoys were deployed consisting of a Sentinel Buoy (9SB) approximately 10 meters north of the 9th Street Bridge on the west side, and an Ambient Buoy (Ambient) in the middle of Turning Basin Four.

All readings from buoys were transmitted via telemetry at 15-minute intervals. The instrument used to collect turbidity and DO from the buoys is an In-Situ VuLink (telemetry) and AquaTroll500 (sonde), equipped with optical sensors capable of reading turbidity levels with an accuracy of +/-0.5 NTU and DO levels with an accuracy of +/-0.1 mg/L.

Instrument downtime was noted at the 9SB sentinel buoy on Friday July 12 between 2:00PM and 4:00PM. The telemetry downtime resulted in data gaps for the hours listed which may have been a result of cellular strength fluctuations. Signal strength will be tracked, and should fluctuations occur again, repositioning of the buoys may be necessary.

Visual observations of ambient buoy, turbidity and sheen are summarized in Section 5. Visual observations of turbidity and sheen are summarized in Section 5.

1.3 Meteorological Conditions

A rainfall event which triggered a CSO discharge occurred on Thursday, July 11 between 2:30AM and 3:30AM. The weather conditions onsite were as follows:

Table 1- Summary of Weather Conditions for reporting period.

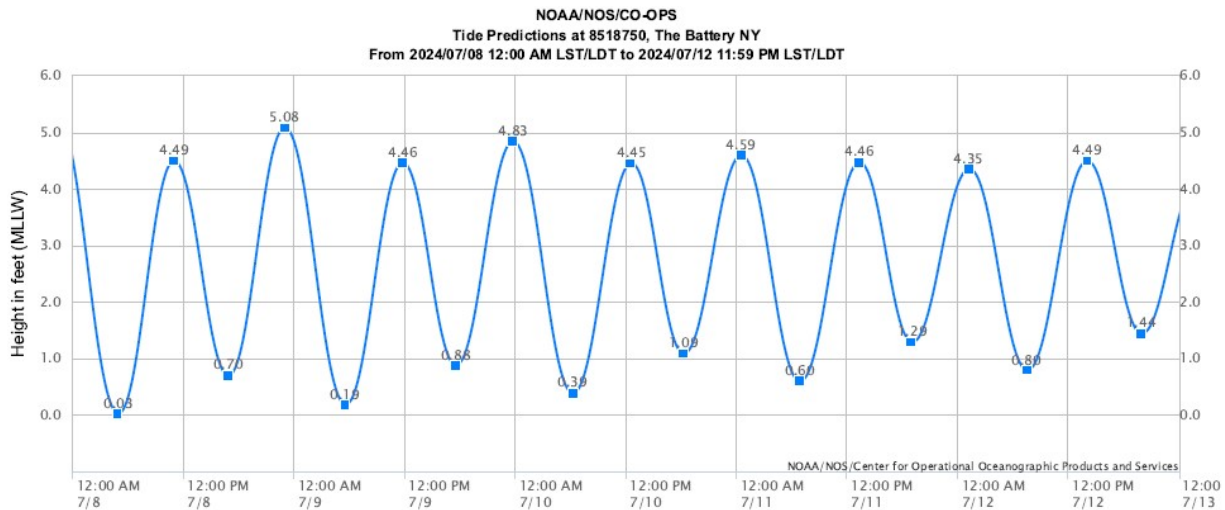
Meteorological Parameters	7/8/2024	7/9/2024	7/10/2024	7/11/2024	7/12/2024
<i>Wind Direction (from)</i>	SSW	SSE	S	SW	SSW
<i>Wind Speed (mph)</i>	4.5	6.3	8.2	6.7	5.2
<i>Temperature (°F)</i>	80.3	79.7	80.1	80.1	77.5
<i>Humidity (%)</i>	80.2	83.9	81.9	69.9	80.9
<i>Barometric Pressure (inHg)</i>	29.92	29.87	29.76	29.84	30.07
<i>Precipitation (Inch)</i>	0	0	0	0.032	0.079

1.4 Tidal Conditions

Table 2 - Tidal data from the Battery (National Oceanic and Atmospheric Administration [NOAA] Station 8518750) was reviewed and is summarized as follows:

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt
2024/07/08	Mon	04:56 AM	0.03 L	10:58 AM	4.49 H	4:52 PM	0.70 L	10:59 PM	5.08 H
2024/07/09	Tue	05:35 AM	0.19 L	11:47 AM	4.46 H	5:33 PM	0.88 L	11:45 PM	4.83 H
2024/07/10	Wed	06:14 AM	0.39 L	12:35 PM	4.45 H	6:15 PM	1.09 L		
2024/07/11	Thu	12:31 AM	4.59 H	06:52 AM	0.60 L	1:20 PM	4.46 H	7:02 PM	1.29 L
2024/07/12	Fri	01:15 AM	4.35 H	07:32 AM	0.80 L	2:02 PM	4.49 H	7:57 PM	1.44 L

Figure 2- Tidal Chart for reporting period.



Note: The interval is High/Low, the solid blue line depicts a curve fit between the high and low values and approximates the segments between.
Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

2. REPORT OF EXCEEDANCES

No exceedances of the trigger or action criteria occurred during the reporting period due to construction activities. Turbidity and floatables were observed throughout the reporting period unrelated to construction activities.

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 RTA2 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 RTA2, 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

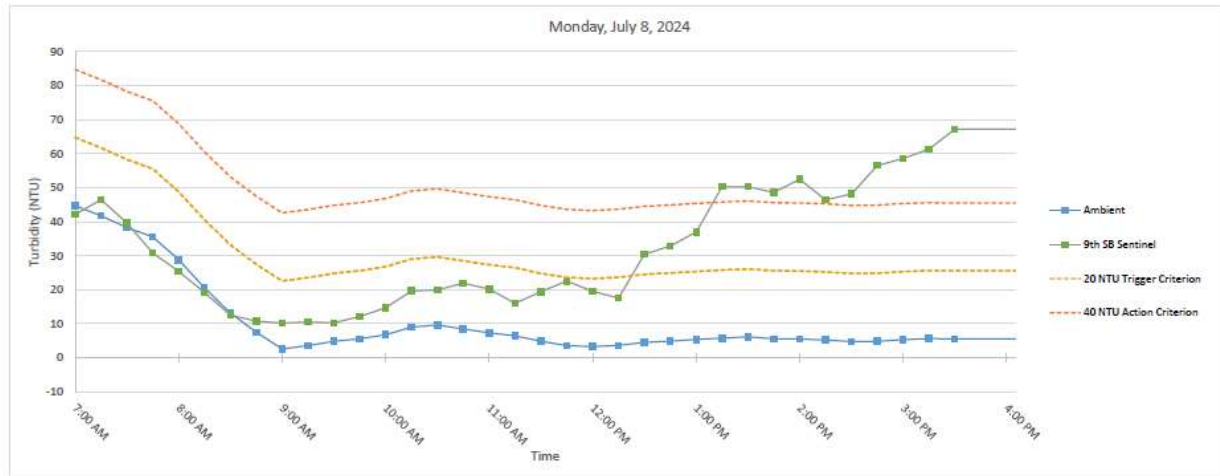
The trigger level criterion serves to provide early notification to the contractor of construction activities that may lead to an exceedance of the action level criterion. In the event of an exceedance to the trigger criterion, the contractor will not be stopped, and the contractor will be directed to 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.

3. TURBIDITY BUOY DATA

Elevated turbidity was measured throughout RTA2 during the reporting period unrelated to construction activities and was detected both before and after active construction. During maintenance activities on Monday July 8, heavy biofilm was noted on both buoys.

3.1 Monday, July 8, 2024

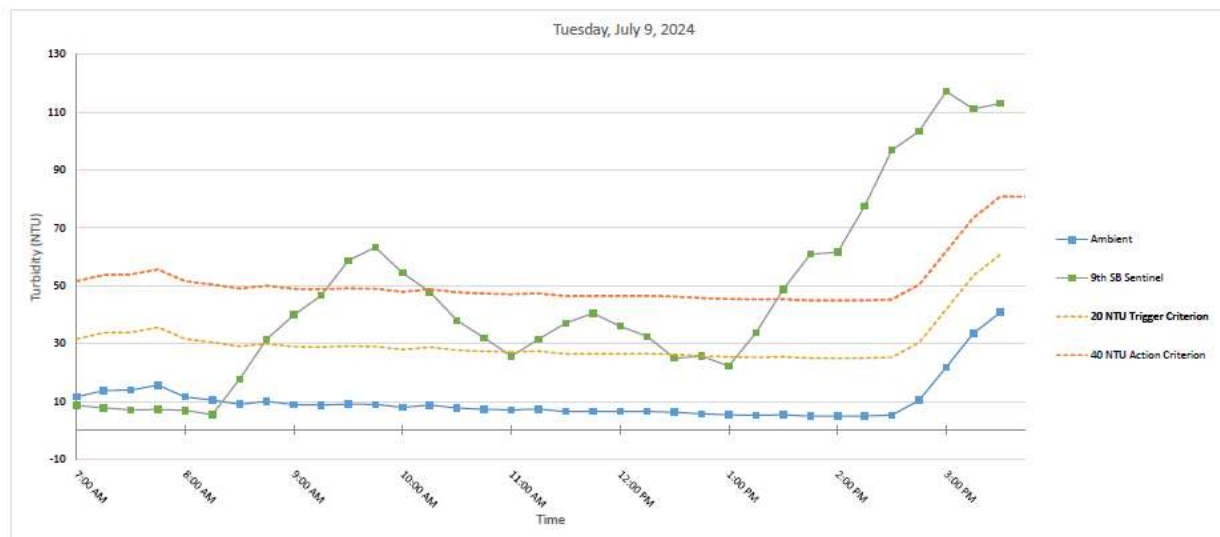
Figure 3. Hourly rolling average turbidity readings on Monday, July 8, 2024, from 7 AM to 3:30 PM.



Note: Elevated turbidity was measured throughout RTA2 unrelated to construction activities and was detected both before and after active construction.

3.1 Tuesday, July 9, 2024

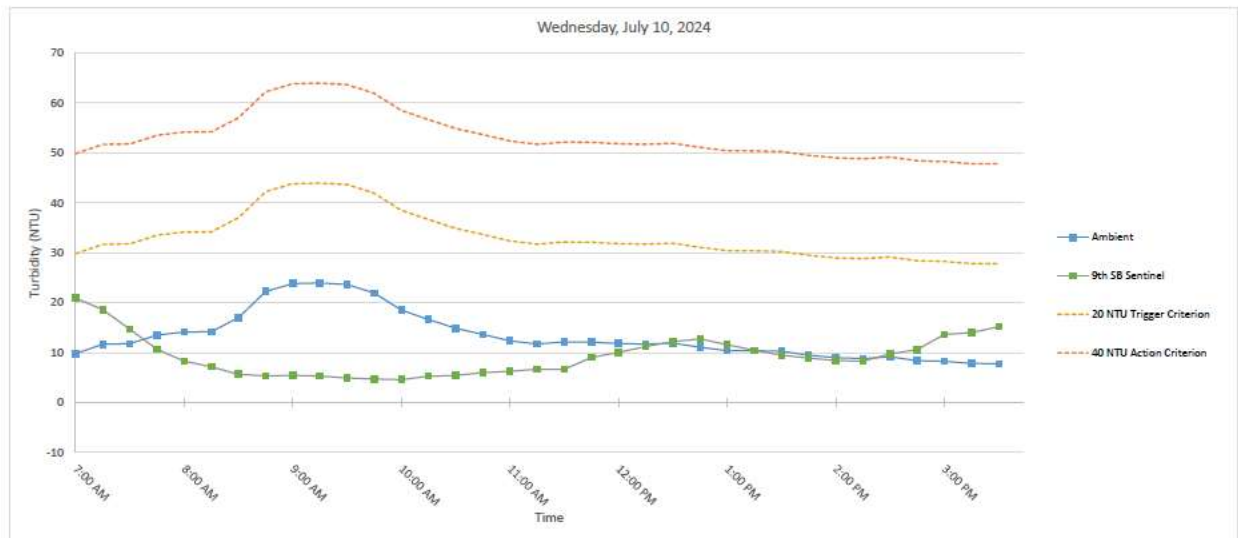
Figure 4. Hourly rolling average turbidity readings on Tuesday, July 9, 2024, from 7 AM to 3:30 PM.



Note: Elevated turbidity was measured throughout RTA2 unrelated to construction activities and was detected both before and after active construction.

3.1 Wednesday July 10, 2024

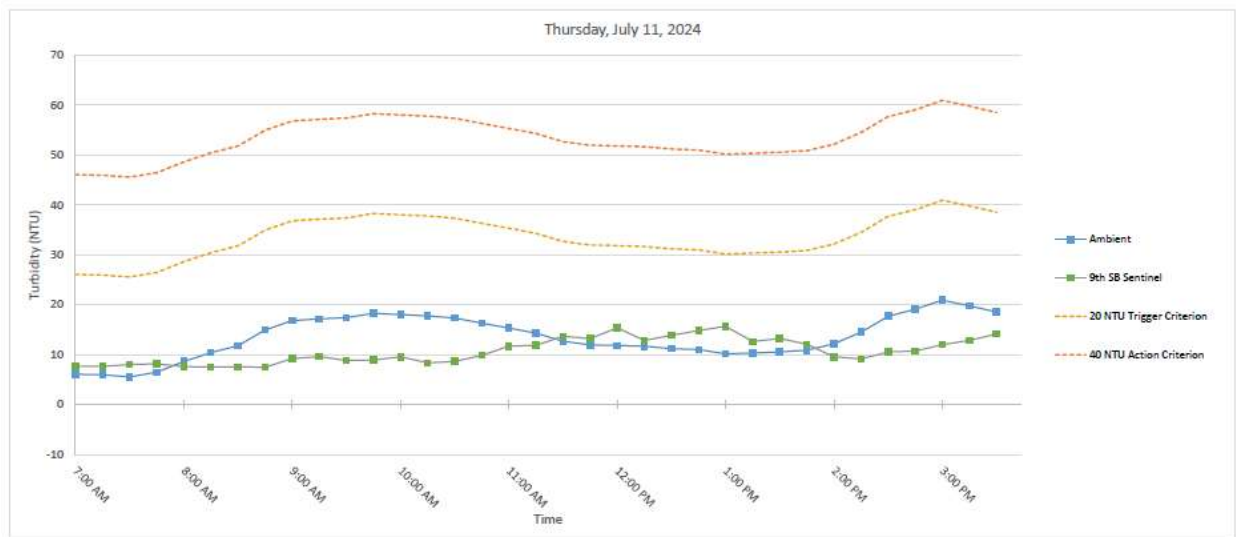
Figure 5. Hourly rolling average turbidity readings on Wednesday, July 10, 2024, from 7 AM to 3:30 PM.



Note: Elevated turbidity was measured throughout RTA2 unrelated to construction activities and was detected both before and after active construction.

3.1 Thursday, July 11, 2024

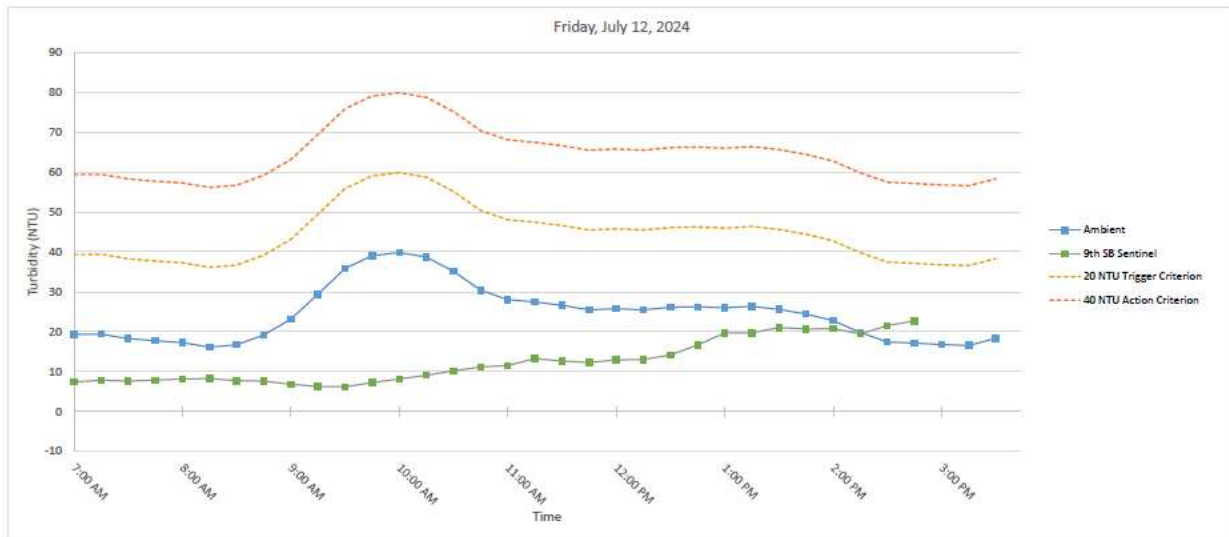
Figure 6. Hourly rolling average turbidity readings on Thursday July 11, 2024, from 7 AM to 3:30 PM.



Note: Elevated turbidity was measured throughout RTA2 unrelated to construction activities and was detected both before and after active construction.

3.1 Friday, July 12, 2024

Figure 7. Hourly rolling average turbidity readings on Friday July 12, 2024, from 7 AM to 3:30 PM.



Note: Elevated turbidity was measured throughout RTA2 unrelated to construction activities and was detected both before and after active construction.

4. DISSOLVED OXYGEN MONITORING DATA

Dissolved oxygen measured at the monitoring buoys throughout the reporting is summarized below:

- Ambient
 - Average = 6.20 (+/-0.1) mg/L
 - Min = 0.0 (+/-0.1) mg/L on multiple days
 - Max = 22.72(+/-0.1) mg/L on Sunday, July 14, 2024
- 9th Street Bridge (N 9SB)
 - Average = 5.74 (+/-0.1) mg/L
 - Min = 0.0 (+/-0.1) mg/L on multiple days
 - Max = 14.18 (+/-0.1) mg/L on Tuesday, July 9, 2024

5. SUMMARY OF VISUAL OBSERVATIONS

Visual indications of elevated turbidity unrelated to construction activities were observed throughout the reporting period. Sheens in areas of RTA2 were minimal. Turbid water was noted south of 3rd Street Bridge during and after work activities throughout the week. A rainfall event which triggered a CSO discharge occurred on Thursday, July 11 between 2:30AM and 3:30AM.

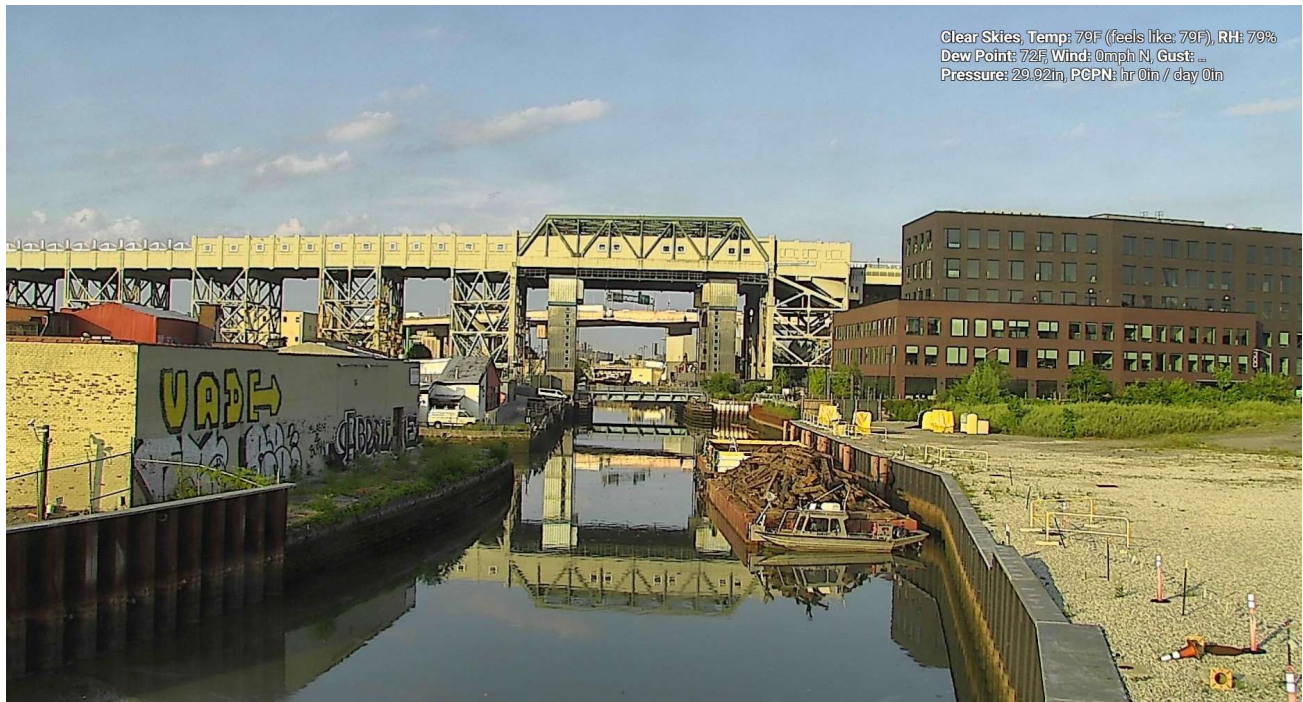


Figure 8 – July 10, 2024. General Conditions in Canal north of 9th Street Bridge prior to work activities at 7:07AM.

APPENDIX A

Turbidity Data Tables

Table 3

Monday July 8, 2024

Date	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Ambient	9SB	Ambient	9SB	
7/8/2024	7:00:00 AM	44.73	42.11	44.73	42.11	-2.62
7/8/2024	7:15:00 AM	38.72	50.83	41.73	46.47	4.74
7/8/2024	7:30:00 AM	31.36	25.83	38.27	39.59	1.32
7/8/2024	7:45:00 AM	27.35	4.28	35.54	30.76	-4.78
7/8/2024	8:00:00 AM	1.70	3.80	28.77	25.37	-3.40
7/8/2024	8:15:00 AM	3.52	11.14	20.53	19.18	-1.35
7/8/2024	8:30:00 AM	1.81	17.52	13.15	12.52	-0.63
7/8/2024	8:45:00 AM	3.01	16.97	7.48	10.74	3.27
7/8/2024	9:00:00 AM	2.85	1.53	2.58	10.19	7.61
7/8/2024	9:15:00 AM	6.58	5.36	3.55	10.50	6.95
7/8/2024	9:30:00 AM	9.82	9.80	4.81	10.24	5.42
7/8/2024	9:45:00 AM	--	27.04	5.57	12.14	6.57
7/8/2024	10:00:00 AM	7.93	29.60	6.79	14.66	7.87
7/8/2024	10:15:00 AM	11.75	26.47	9.02	19.65	10.63
7/8/2024	10:30:00 AM	9.07	6.89	9.64	19.96	10.31
7/8/2024	10:45:00 AM	5.13	19.62	8.47	21.92	13.45
7/8/2024	11:00:00 AM	2.77	18.36	7.33	20.19	12.86
7/8/2024	11:15:00 AM	3.45	8.66	6.43	16.00	9.56
7/8/2024	11:30:00 AM	3.52	43.55	4.79	19.42	14.63
7/8/2024	11:45:00 AM	3.10	--	3.59	22.55	18.95
7/8/2024	12:00:00 PM	3.45	7.45	3.26	19.50	16.24
7/8/2024	12:15:00 PM	4.61	10.62	3.63	17.57	13.94
7/8/2024	12:30:00 PM	7.94	60.03	4.53	30.41	25.89
7/8/2024	12:45:00 PM	5.33	53.27	4.89	32.84	27.95
7/8/2024	1:00:00 PM	5.50	53.51	5.37	36.98	31.61
7/8/2024	1:15:00 PM	5.54	73.68	5.78	50.22	44.44
7/8/2024	1:30:00 PM	6.15	10.69	6.09	50.24	44.14
7/8/2024	1:45:00 PM	5.37	51.71	5.58	48.57	43.00
7/8/2024	2:00:00 PM	4.83	72.63	5.48	52.44	46.97
7/8/2024	2:15:00 PM	4.25	23.14	5.23	46.37	41.14
7/8/2024	2:30:00 PM	3.17	82.58	4.75	48.15	43.40
7/8/2024	2:45:00 PM	6.70	52.35	4.86	56.48	51.62
7/8/2024	3:00:00 PM	7.64	62.21	5.32	58.58	53.26
7/8/2024	3:15:00 PM	6.21	86.63	5.60	61.38	55.79
7/8/2024	3:30:00 PM	3.81	52.19	5.51	67.19	61.68

Table 4

Tuesday July 9, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
Date		Ambient	9SB	Ambient	9SB	9SB - Ambient
7/9/2024	7:00:00	--	8.13	11.56	8.61	-2.95
7/9/2024	7:15:00	15.19	9.05	13.77	7.77	-6.00
7/9/2024	7:30:00	7.04	5.89	13.92	7.10	-6.82
7/9/2024	7:45:00	12.51	4.74	15.64	7.21	-8.43
7/9/2024	8:00:00	11.65	--	11.60	6.95	-4.65
7/9/2024	8:15:00	5.90	2.14	10.46	5.46	-5.00
7/9/2024	8:30:00	8.01	58.25	9.02	17.76	8.73
7/9/2024	8:45:00	11.93	60.80	10.00	31.48	21.48
7/9/2024	9:00:00	7.23	38.50	8.94	39.92	30.98
7/9/2024	9:15:00	10.90	73.47	8.79	46.63	37.84
7/9/2024	9:30:00	7.37	62.35	9.09	58.67	49.58
7/9/2024	9:45:00	7.39	81.03	8.96	63.23	54.27
7/9/2024	10:00:00	6.71	16.64	7.92	54.40	46.48
7/9/2024	10:15:00	11.63	5.83	8.80	47.86	39.07
7/9/2024	10:30:00	5.60	24.18	7.74	38.01	30.27
7/9/2024	10:45:00	5.14	32.04	7.29	31.94	24.65
7/9/2024	11:00:00	6.31	49.64	7.08	25.67	18.59
7/9/2024	11:15:00	8.21	46.17	7.38	31.57	24.19
7/9/2024	11:30:00	7.11	33.35	6.47	37.08	30.60
7/9/2024	11:45:00	5.82	41.13	6.52	40.46	33.95
7/9/2024	12:00:00	5.03	9.60	6.50	35.98	29.48
7/9/2024	12:15:00	6.53	32.42	6.54	32.53	25.99
7/9/2024	12:30:00	6.81	7.97	6.26	24.89	18.63
7/9/2024	12:45:00	4.67	37.30	5.77	25.68	19.91
7/9/2024	13:00:00	4.08	24.05	5.42	22.27	16.84
7/9/2024	13:15:00	4.26	67.26	5.27	33.80	28.53
7/9/2024	13:30:00	7.17	106.86	5.40	48.69	43.29
7/9/2024	13:45:00	4.57	69.14	4.95	60.92	55.97
7/9/2024	14:00:00	4.45	40.49	4.91	61.56	56.65
7/9/2024	14:15:00	4.30	103.67	4.95	77.48	72.53
7/9/2024	14:30:00	5.92	164.28	5.28	96.89	91.60
7/9/2024	14:45:00	32.71	139.52	10.39	103.42	93.03
7/9/2024	15:00:00	61.86	137.81	21.85	117.15	95.30
7/9/2024	15:15:00	62.92	10.58	33.54	111.17	77.63
7/9/2024	15:30:00	--	--	40.85	113.05	72.19

Table 5

Wednesday July 10, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
Date		Ambient	9SB	Ambient	9SB	9SB - Ambient
7/10/2024	7:00:00	18.93	13.04	9.81	20.91	11.10
7/10/2024	7:15:00	12.56	13.23	11.66	18.61	6.95
7/10/2024	7:30:00	5.04	5.71	11.78	14.65	2.86
7/10/2024	7:45:00	13.86	5.03	13.50	10.65	-2.85
7/10/2024	8:00:00	20.22	4.54	14.12	8.31	-5.82
7/10/2024	8:15:00	19.21	7.32	14.18	7.16	-7.02
7/10/2024	8:30:00	26.68	5.66	17.00	5.65	-11.35
7/10/2024	8:45:00	31.09	4.22	22.21	5.35	-16.86
7/10/2024	9:00:00	21.83	5.52	23.81	5.45	-18.36
7/10/2024	9:15:00	20.85	3.77	23.93	5.30	-18.64
7/10/2024	9:30:00	17.72	5.32	23.63	4.90	-18.74
7/10/2024	9:45:00	18.05	--	21.91	4.70	-17.20
7/10/2024	10:00:00	13.97	3.73	18.48	4.58	-13.90
7/10/2024	10:15:00	12.67	8.34	16.65	5.29	-11.36
7/10/2024	10:30:00	11.87	4.26	14.85	5.41	-9.44
7/10/2024	10:45:00	11.70	7.59	13.65	5.98	-7.67
7/10/2024	11:00:00	11.60	7.33	12.36	6.25	-6.11
7/10/2024	11:15:00	10.64	5.92	11.69	6.69	-5.00
7/10/2024	11:30:00	14.95	8.06	12.15	6.63	-5.52
7/10/2024	11:45:00	11.64	16.18	12.10	9.02	-3.09
7/10/2024	12:00:00	10.17	12.68	11.80	10.03	-1.76
7/10/2024	12:15:00	11.11	13.20	11.70	11.21	-0.49
7/10/2024	12:30:00	11.58	10.83	11.89	12.19	0.30
7/10/2024	12:45:00	10.86	10.81	11.07	12.74	1.67
7/10/2024	13:00:00	8.22	10.34	10.39	11.57	1.18
7/10/2024	13:15:00	10.03	7.18	10.36	10.47	0.11
7/10/2024	13:30:00	10.61	8.27	10.26	9.49	-0.77
7/10/2024	13:45:00	7.60	7.83	9.47	8.89	-0.58
7/10/2024	14:00:00	8.39	--	8.97	8.41	-0.57
7/10/2024	14:15:00	7.45	9.74	8.82	8.25	-0.56
7/10/2024	14:30:00	11.60	13.24	9.13	9.77	0.64
7/10/2024	14:45:00	6.94	11.64	8.40	10.61	2.22
7/10/2024	15:00:00	6.86	19.87	8.25	13.62	5.37
7/10/2024	15:15:00	6.16	15.35	7.80	13.97	6.17
7/10/2024	15:30:00	7.38	15.76	7.79	15.17	7.38

Table 6

Thursday July 11, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
Date		Ambient	9SB	Ambient	9SB	9SB - Ambient
7/11/2024	7:00:00	6.58	8.38	6.05	7.66	1.61
7/11/2024	7:15:00	5.59	7.36	5.93	7.62	1.69
7/11/2024	7:30:00	4.17	8.80	5.55	8.01	2.46
7/11/2024	7:45:00	10.42	7.15	6.45	8.13	1.68
7/11/2024	8:00:00	16.27	6.25	8.61	7.59	-1.02
7/11/2024	8:15:00	15.57	7.89	10.40	7.49	-2.91
7/11/2024	8:30:00	12.51	--	11.79	7.52	-4.27
7/11/2024	8:45:00	19.92	8.45	14.94	7.43	-7.50
7/11/2024	9:00:00	19.75	14.14	16.80	9.18	-7.62
7/11/2024	9:15:00	17.90	7.91	17.13	9.60	-7.53
7/11/2024	9:30:00	16.85	4.75	17.39	8.82	-8.57
7/11/2024	9:45:00	16.91	9.29	18.27	8.91	-9.36
7/11/2024	10:00:00	18.61	11.72	18.00	9.56	-8.44
7/11/2024	10:15:00	18.58	8.19	17.77	8.37	-9.40
7/11/2024	10:30:00	15.70	9.08	17.33	8.61	-8.72
7/11/2024	10:45:00	11.69	11.05	16.30	9.87	-6.43
7/11/2024	11:00:00	11.95	18.38	15.31	11.69	-3.62
7/11/2024	11:15:00	13.49	12.69	14.28	11.88	-2.40
7/11/2024	11:30:00	10.42	17.23	12.65	13.69	1.04
7/11/2024	11:45:00	12.13	6.62	11.94	13.20	1.26
7/11/2024	12:00:00	11.09	21.97	11.82	15.38	3.56
7/11/2024	12:15:00	11.13	5.77	11.65	12.86	1.20
7/11/2024	12:30:00	11.11	17.86	11.18	13.89	2.71
7/11/2024	12:45:00	9.50	21.81	10.99	14.81	3.81
7/11/2024	13:00:00	7.89	10.81	10.14	15.64	5.50
7/11/2024	13:15:00	12.00	6.82	10.32	12.61	2.29
7/11/2024	13:30:00	12.22	8.85	10.54	13.23	2.69
7/11/2024	13:45:00	12.65	--	10.85	12.07	1.22
7/11/2024	14:00:00	15.97	11.64	12.15	9.53	-2.62
7/11/2024	14:15:00	19.57	--	14.48	9.10	-5.38
7/11/2024	14:30:00	28.01	11.15	17.68	10.55	-7.14
7/11/2024	14:45:00	--	9.29	19.05	10.69	-8.36
7/11/2024	15:00:00	20.15	15.82	20.92	11.97	-8.95
7/11/2024	15:15:00	11.43	15.07	19.79	12.83	-6.96
7/11/2024	15:30:00	14.42	19.26	18.50	14.12	-4.38

Table 7

Friday July 12, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)	
Date		Ambient	9SB	Ambient	9SB	USB - Ambient	9SB - Ambient
7/12/2024	7:00:00	22.56	7.59	19.35	7.42	--	-11.93
7/12/2024	7:15:00	17.90	8.54	19.43	7.87	--	-11.56
7/12/2024	7:30:00	12.24	6.19	18.26	7.61	--	-10.66
7/12/2024	7:45:00	15.91	9.85	17.71	7.88	--	-9.83
7/12/2024	8:00:00	17.66	8.83	17.25	8.20	--	-9.06
7/12/2024	8:15:00	16.99	7.69	16.14	8.22	--	-7.92
7/12/2024	8:30:00	20.72	6.07	16.71	7.73	--	-8.98
7/12/2024	8:45:00	24.76	5.52	19.21	7.59	--	-11.62
7/12/2024	9:00:00	35.58	6.24	23.14	6.87	--	-16.27
7/12/2024	9:15:00	49.14	5.66	29.44	6.24	--	-23.20
7/12/2024	9:30:00	49.17	7.47	35.87	6.19	--	-29.68
7/12/2024	9:45:00	36.62	11.16	39.05	7.21	--	-31.84
7/12/2024	10:00:00	28.78	10.42	39.86	8.19	--	-31.67
7/12/2024	10:15:00	29.88	10.86	38.72	9.11	--	-29.61
7/12/2024	10:30:00	31.11	11.15	35.11	10.21	--	-24.90
7/12/2024	10:45:00	25.50	12.38	30.38	11.19	--	-19.19
7/12/2024	11:00:00	25.06	12.94	28.07	11.55	--	-16.52
7/12/2024	11:15:00	25.77	19.04	27.46	13.27	--	-14.19
7/12/2024	11:30:00	25.69	7.82	26.63	12.66	--	-13.96
7/12/2024	11:45:00	25.33	9.37	25.47	12.31	--	-13.16
7/12/2024	12:00:00	26.98	15.55	25.77	12.94	--	-12.82
7/12/2024	12:15:00	23.82	13.55	25.52	13.07	--	-12.45
7/12/2024	12:30:00	28.81	24.57	26.13	14.17	--	-11.96
7/12/2024	12:45:00	26.34	20.33	26.26	16.67	--	-9.59
7/12/2024	13:00:00	23.98	24.67	25.99	19.73	--	-6.25
7/12/2024	13:15:00	28.86	15.36	26.36	19.69	--	-6.67
7/12/2024	13:30:00	20.09	20.34	25.62	21.05	--	-4.56
7/12/2024	13:45:00	22.91	22.72	24.44	20.68	--	-3.75
7/12/2024	14:00:00	17.98	--	22.76	20.77	--	-1.99
7/12/2024	14:15:00	9.32	--	19.83	19.47	--	-0.36
7/12/2024	14:30:00	17.00	--	17.46	21.53	--	4.07
7/12/2024	14:45:00	18.59	--	17.16	22.72	--	5.56
7/12/2024	15:00:00	20.92	--	16.76	--	--	--
7/12/2024	15:15:00	17.08	--	16.58	--	--	--
7/12/2024	15:30:00	18.04	--	18.33	--	--	--