

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

**PERIOD: May 18, 2026 – May 22, 2026**

**Date of Report: May 26, 2026**

## **Report Contents**

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## **1. SCOPE OF MONITORING**

### **1.1 Buoy Locations**

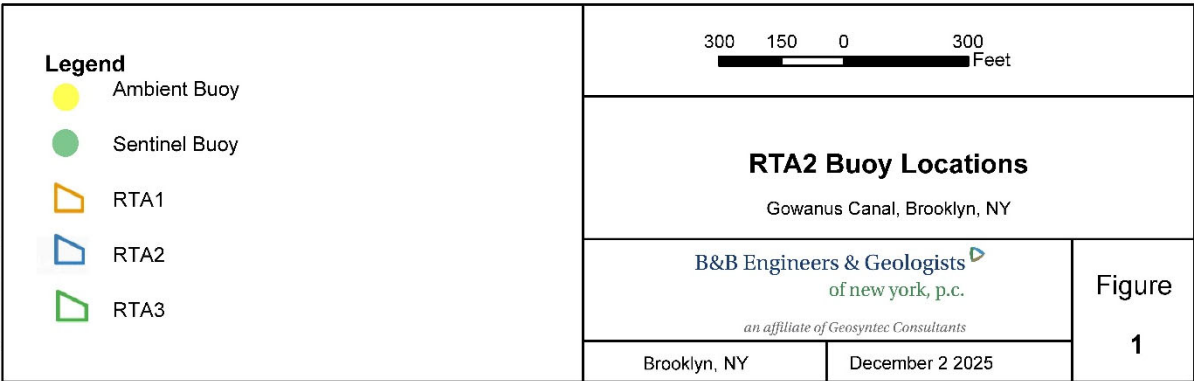
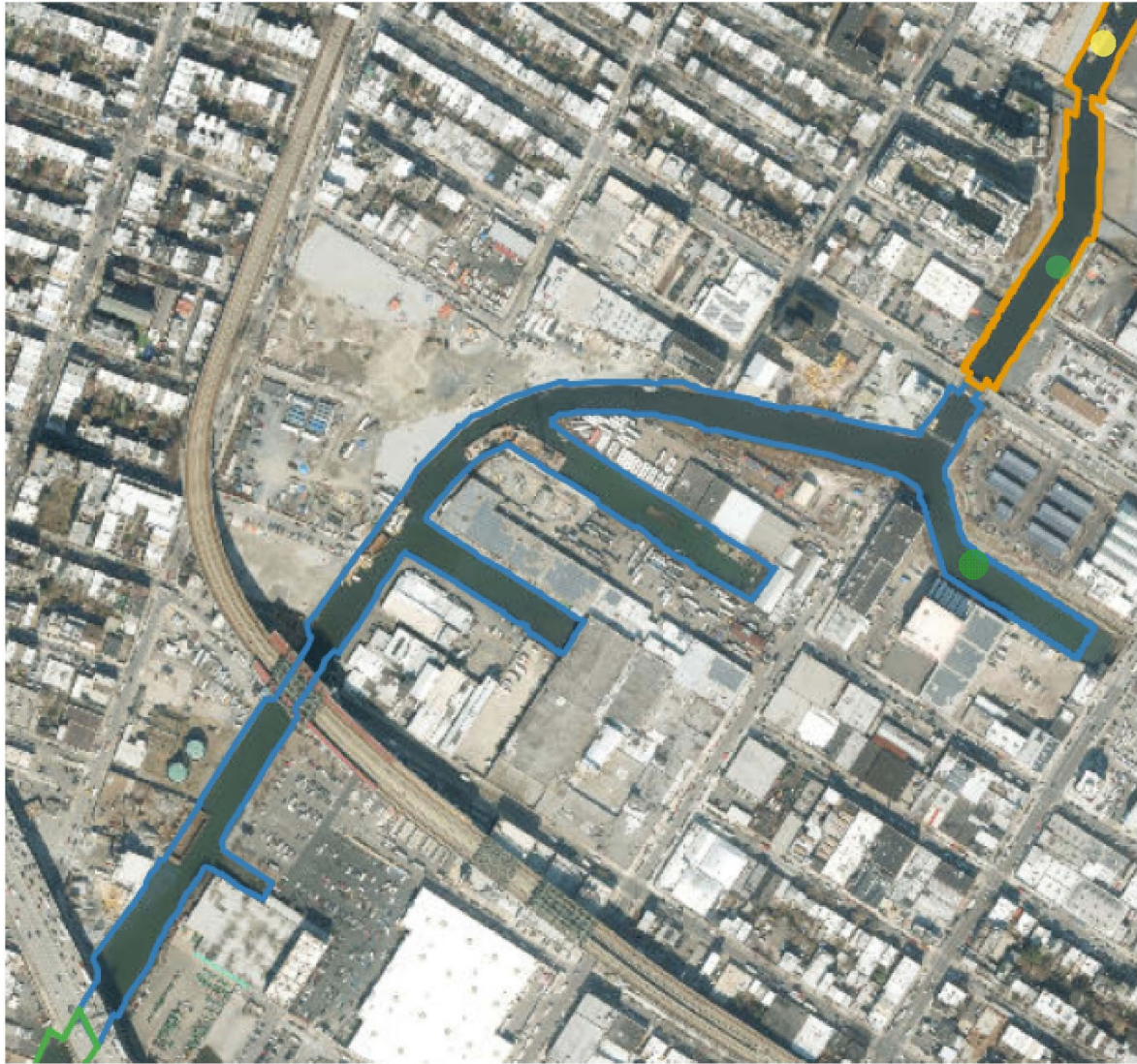
In accordance with the Water Quality Monitoring Plan for In-waterway Construction Activities (WQMP) issued March 27, 2024, buoys equipped with multi-parameter water quality sondes, were deployed to monitor turbidity related to RTA2 construction activities. Buoys were deployed in the Fourth Street Turning Basin (TB4) to monitor background turbidity unaffected by in-water construction activities and at the North Carroll Street Bridge, which is referred to as the ambient buoy. A sentinel buoy was deployed north of 3<sup>rd</sup> Street Bridge (3SB), along the west bulkhead. A sentinel buoy was deployed north of 9<sup>th</sup> Street Bridge (9SB), along the west bulkhead. These buoys (Figure 1) are in use to monitor the RTA2 pre-construction activities.

All readings from buoys were transmitted via telemetry at 15-minute intervals. The instrument used to collect turbidity 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.

### **1.2 Monitoring Adjustments During Construction This Period**

Section 1.2 describes monitoring adjustments made to buoys and sondes during this monitoring period. All adjustments outside of this monitoring period are archived in Appendix B.

No adjustments were made during this monitoring period.



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**1.3 Current Reporting Period Scope of Monitoring**

During the week of May 18, 2026, a maximum of three buoys equipped with multi-parameter water quality sondes were deployed as described in Section 1.2 and shown in Figure 1. The Ambient buoy is deployed in the center of the canal, approximately 80 feet north of Carroll Street bridge, the third street sentinel buoy is deployed approximately 210 feet north of the Third Street Bridge, and the TB4 sentinel buoy is deployed approximately 185 feet into the Fourth Street Turning Basin.

The TB4 sonde has a data gap for this monitoring period as a result of battery failure. Due to limited canal access maintenance to resolve the issue did not occur until May 22 with readings resuming at 09:30.

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.

Visual observations of turbidity and sheen are summarized in Section 4.

**1.4 Meteorological Conditions**

The weather conditions onsite were as follows:

Meteorological Parameters	5/18/2026	5/19/2026	5/20/2026	5/21/2026	5/22/2026
<i>Wind Direction (from)</i>	SSW	SW	WSW	NNW	ENE
<i>Wind Speed (mph)</i>	6.7	7.7	6.1	5.1	7.3
<i>Temperature (°F)</i>	77.0	82.0	79.5	61.8	59.6
<i>Humidity (%)</i>	63.1	58.7	63.1	72.2	52.1
<i>Barometric Pressure (inHg)</i>	30.03	29.96	29.88	30.09	30.26
<i>Precipitation (Inch)</i>	0	0	1.064	0.075	0

Table 1 - Summary of Weather Conditions for reporting period.

**1.5 Tidal Conditions**

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

Date	Time (LST/LDT)	Predicted (ft)	Preliminary (ft)	High/Low
May 18, 2026	4:20 AM	-3.44	-3.49	L
May 18, 2026	10:06 AM	2.06	2.05	H
May 18, 2026	4:17 PM	-3.03	-3.17	L
May 18, 2026	10:17 PM	3.23	3.33	H
May 19, 2026	5:11 AM	-3.36	-3.31	L
May 19, 2026	11:07 AM	1.98	2.13	H
May 19, 2026	5:10 PM	-2.85	-2.98	L
May 19, 2026	11:18 PM	2.96	2.8	H
May 20, 2026	6:04 AM	-3.18	-3.18	L
May 20, 2026	12:12 PM	1.93	1.97	H
May 20, 2026	6:05 PM	-2.58	-2.74	L
May 21, 2026	12:23 AM	2.66	2.34	H
May 21, 2026	7:01 AM	-2.95	-2.97	L
May 21, 2026	1:15 PM	1.93	1.91	H
May 21, 2026	7:07 PM	-2.27	-2.15	L
May 22, 2026	1:26 AM	2.39	2.57	H
May 22, 2026	8:01 AM	-2.75	-2.54	L
May 22, 2026	2:13 PM	1.96	2.4	H
May 22, 2026	8:16 PM	-2.04	-1.75	L

Table 2 - NOAA Preliminary observations and predictions.

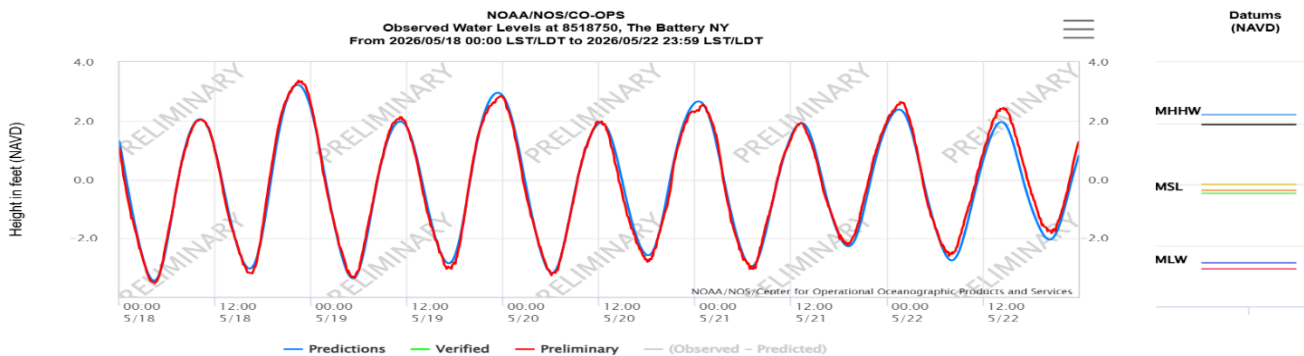


Figure 2 - Tidal Chart for reporting period.

## 2. REPORT OF EXCEEDANCES

No exceedances attributed to in-water construction activities were recorded during the monitoring 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 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

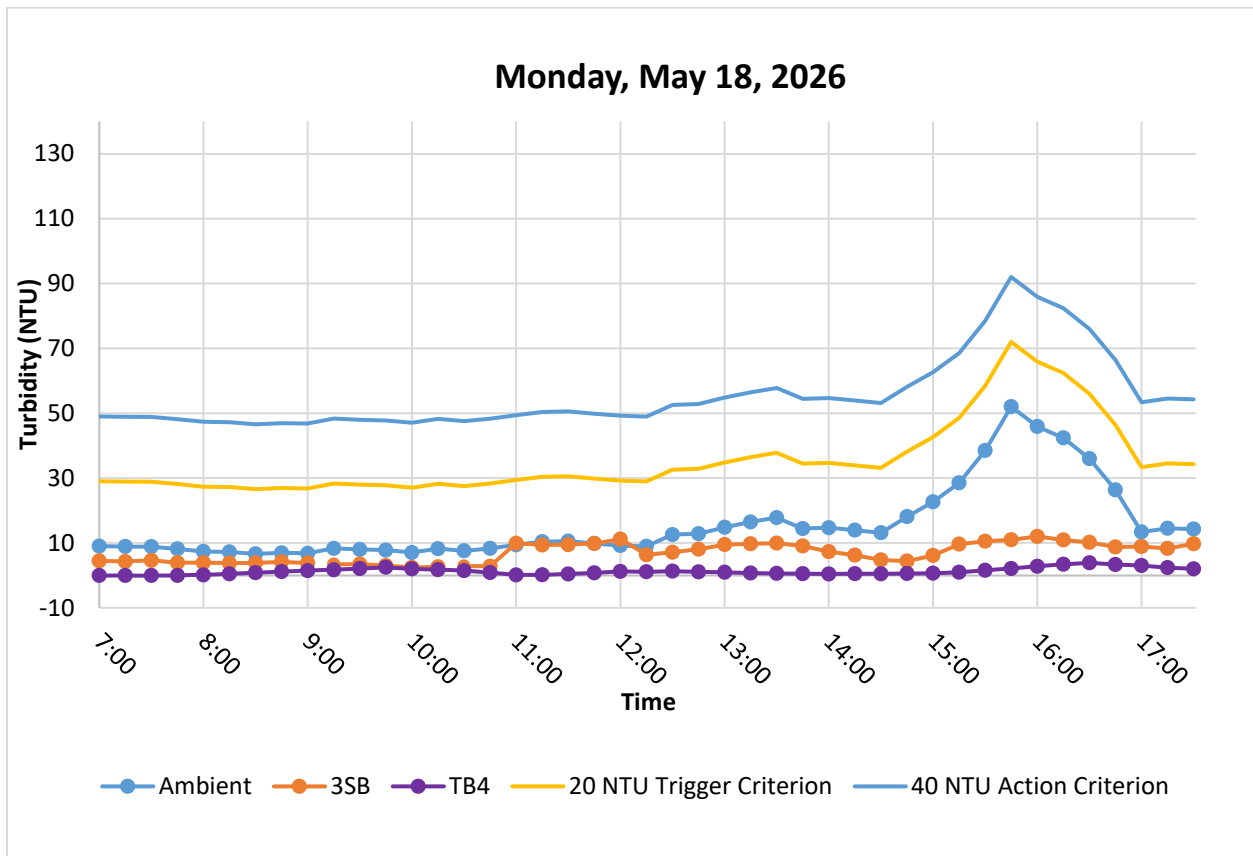
The trigger level criterion serves to provide early notification to the contractor of construction activities that may lead to an exceedance of the action level criterion. In the event of an exceedance to the trigger criterion, the contractor will not be stopped, and the contractor will be directed to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

Erroneous readings were recorded by the Ambient sonde on May 19 (13:15-15:45). This data has been removed from the figures below and the more conservative trigger and action criteria of 20 and 40 NTU respectively, were used for this period. These readings were attributed to biota interference with the sensors and are therefore not the result of in-water construction activities.

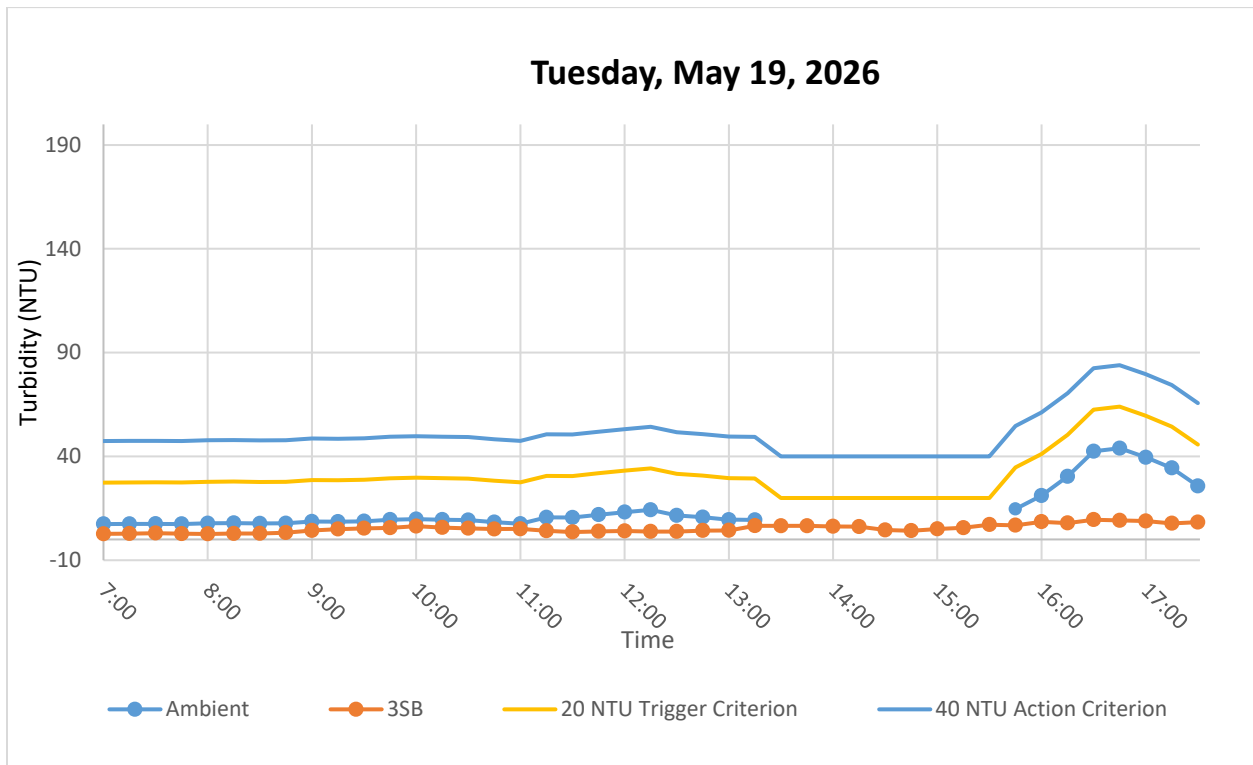
Elevated readings were recorded by the 3SB sonde on May 22 (13:00-15:30). These readings did not occur within areas of construction activity and have been attributed to the buildup behind the turbidity curtain fouling the sensor. Therefore, these readings were not the result of in-water construction activities.

#### 3.1 May 18, 2026



**Figure 3.** Hourly rolling average turbidity readings from 7:00 to 17:30.

### 3.2 May 19, 2026



**Figure 4.** Hourly rolling average turbidity readings from 07:00 to 17:30.

3.3 May 20, 2026

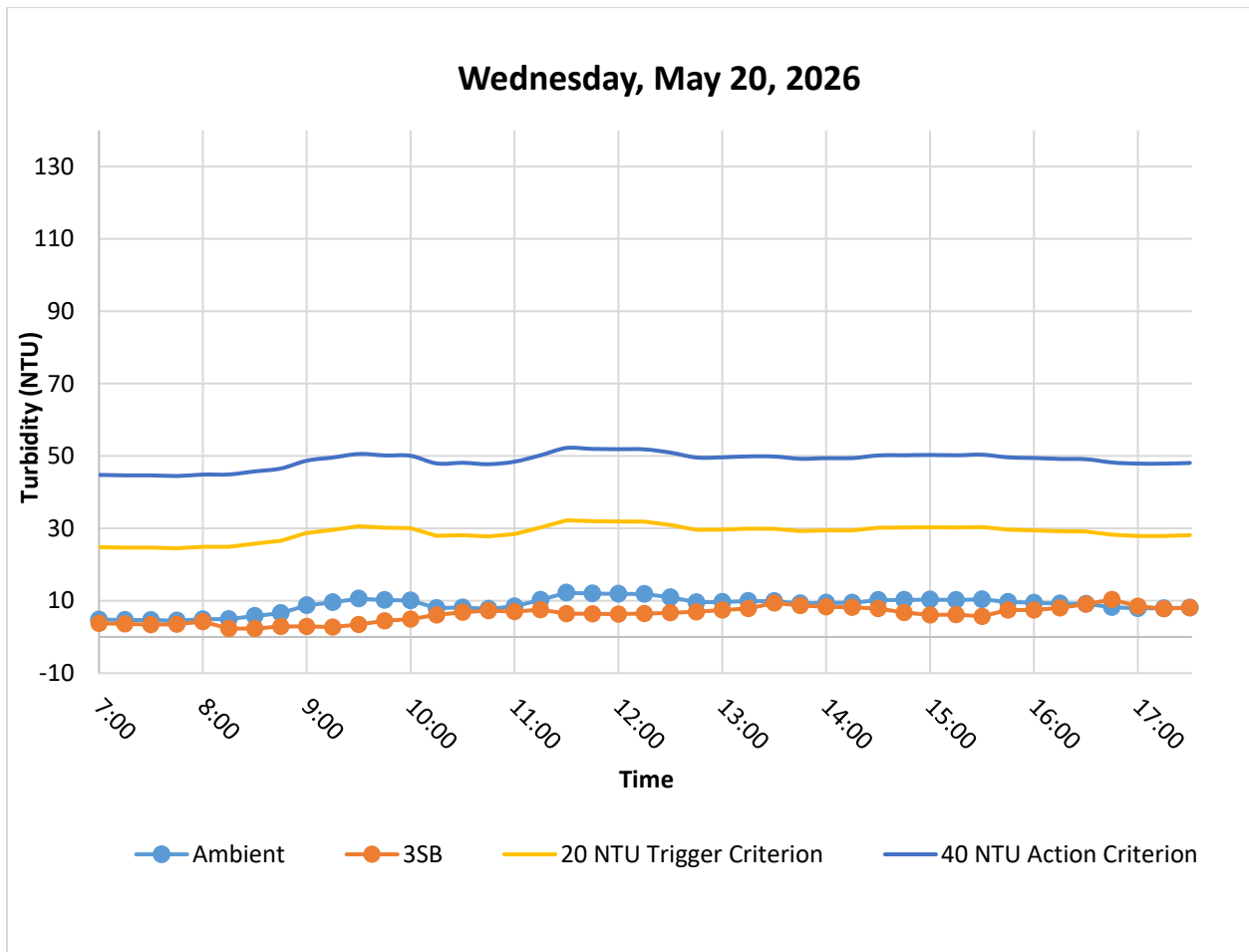
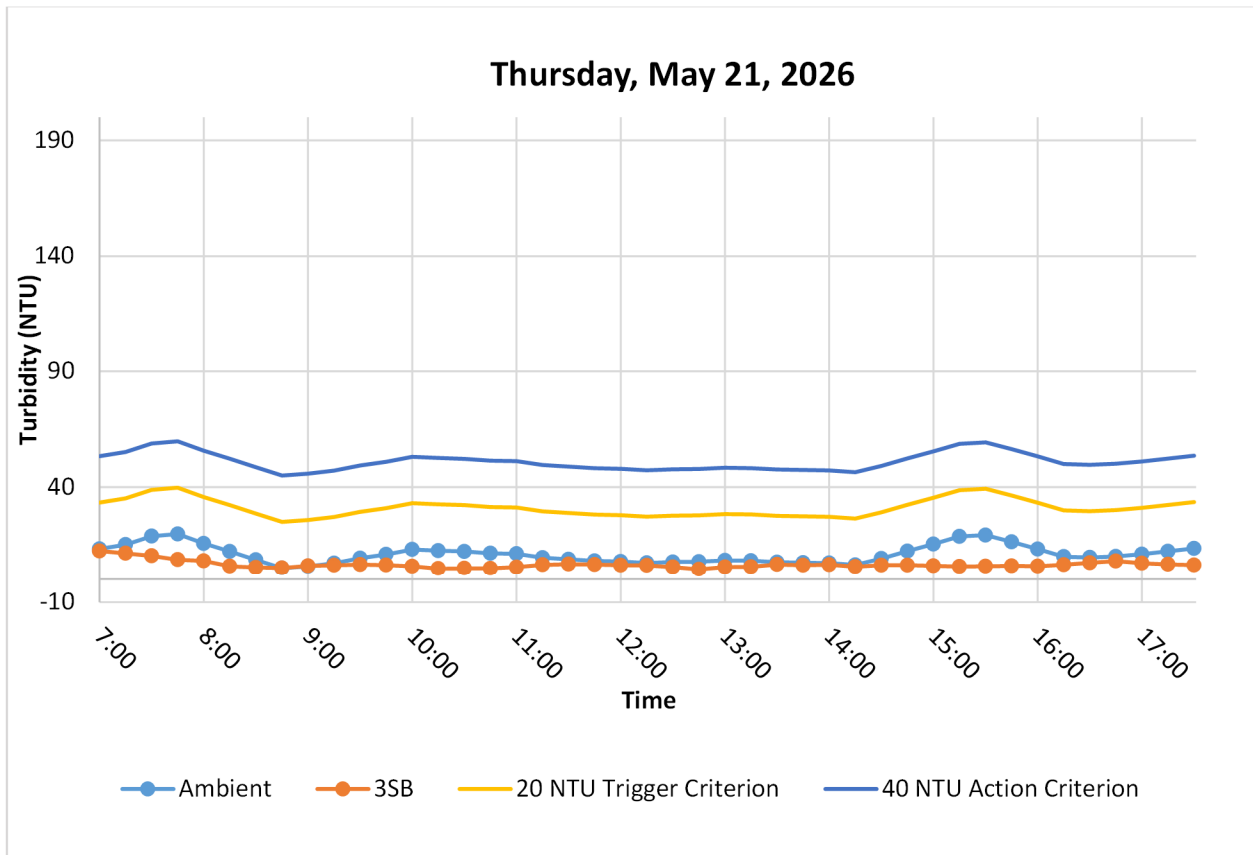


Figure 5. Hourly rolling average turbidity readings from 07:00 to 17:30.

3.4 May 21, 2026



**Figure 6.** Hourly rolling average turbidity readings from 07:00 to 17:30.

3.5 May 22, 2026

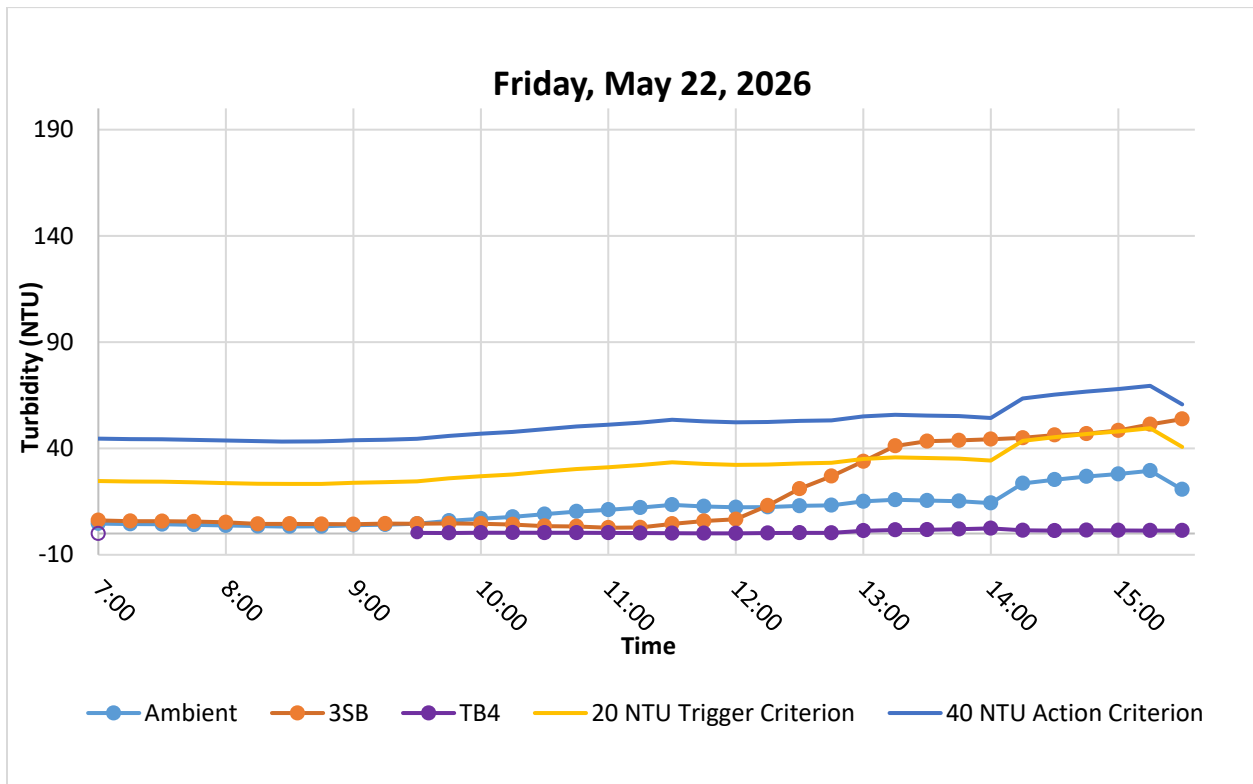


Figure 7. Hourly rolling average turbidity readings from 07:00 to 15:30.

#### 4. SUMMARY OF VISUAL OBSERVATIONS

Throughout most of the reporting period, sheens in the RTA2 areas ranged from minimal to moderate.



**Figure 8 – May 19, 2026.** Midday conditions near Turning Basin 4 and the main canal.



**Figure 9 – May 19, 2026.** Midday conditions near Turning Basin 7 and the main canal.



**Figure 10 – May 22, 2026.** Midday conditions near Turning Basin 6 and the main canal.

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

Table 3

Monday, May 18, 2026

Date	Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
		Ambient	N3SB	TB4	Ambient	N3SB	TB4	N3SB - Ambient	TB4 - Ambient
5/18/2026	7:00:00	8.36	4.18	--	9.02	4.45	0.00	-4.57	-9.02
5/18/2026	7:15:00	8.45	3.67	--	8.91	4.30	0.00	-4.61	-8.91
5/18/2026	7:30:00	7.77	3.92	--	8.85	4.64	0.00	-4.21	-8.85
5/18/2026	7:45:00	6.51	4.18	0.00	8.17	3.91	0.00	-4.25	-8.17
5/18/2026	8:00:00	5.71	3.82	0.27	7.36	3.95	0.14	-3.41	-7.22
5/18/2026	8:15:00	7.74	3.22	1.20	7.23	3.76	0.49	-3.47	-6.74
5/18/2026	8:30:00	5.38	4.26	1.78	6.62	3.88	0.81	-2.74	-5.81
5/18/2026	8:45:00	9.39	5.35	2.58	6.95	4.17	1.17	-2.78	-5.78
5/18/2026	9:00:00	5.82	2.41	1.58	6.81	3.81	1.48	-2.99	-5.33
5/18/2026	9:15:00	13.34	1.93	1.53	8.33	3.44	1.73	-4.90	-6.60
5/18/2026	9:30:00	6.00	3.35	3.03	7.98	3.46	2.10	-4.52	-5.88
5/18/2026	9:45:00	4.39	2.10	3.78	7.79	3.03	2.50	-4.75	-5.29
5/18/2026	10:00:00	5.77	--	0.00	7.06	2.45	1.98	-4.61	-5.08
5/18/2026	10:15:00	11.69	3.23	0.57	8.24	2.66	1.78	-5.58	-6.45
5/18/2026	10:30:00	9.96	2.71	0.00	7.56	2.85	1.48	-4.71	-6.08
5/18/2026	10:45:00	9.79	3.21	0.00	8.32	2.82	0.87	-5.50	-7.45
5/18/2026	11:00:00	9.89	30.48	--	9.42	9.91	0.14	0.49	-9.27
5/18/2026	11:15:00	10.57	7.20	0.13	10.38	9.37	0.17	-1.01	-10.20
5/18/2026	11:30:00	12.57	3.76	1.59	10.56	9.47	0.43	-1.08	-10.13
5/18/2026	11:45:00	6.35	4.70	1.30	9.83	9.87	0.75	0.04	-9.08
5/18/2026	12:00:00	6.76	9.87	1.92	9.23	11.20	1.23	1.97	-7.99
5/18/2026	12:15:00	8.51	6.23	0.58	8.95	6.35	1.10	-2.60	-7.85
5/18/2026	12:30:00	28.63	11.04	1.18	12.56	7.12	1.31	-5.44	-11.25
5/18/2026	12:45:00	13.98	8.60	0.44	12.85	8.09	1.08	-4.76	-11.76
5/18/2026	13:00:00	16.19	11.74	0.66	14.81	9.50	0.95	-5.32	-13.86
5/18/2026	13:15:00	15.02	11.05	0.74	16.47	9.73	0.72	-6.73	-15.75
5/18/2026	13:30:00	15.18	7.22	0.00	17.80	9.93	0.60	-7.87	-17.20
5/18/2026	13:45:00	11.87	6.68	0.68	14.45	9.06	0.50	-5.39	-13.95
5/18/2026	14:00:00	15.22	0.00	0.16	14.70	7.34	0.45	-7.36	-14.25
5/18/2026	14:15:00	12.33	--	0.93	13.92	6.24	0.50	-7.69	-13.42
5/18/2026	14:30:00	11.22	5.09	0.69	13.16	4.75	0.49	-8.41	-12.67
5/18/2026	14:45:00	40.09	6.01	0.31	18.15	4.45	0.56	-13.70	-17.59
5/18/2026	15:00:00	34.40	13.43	1.20	22.65	6.13	0.66	-16.52	-21.99
5/18/2026	15:15:00	44.70	14.04	1.66	28.55	9.64	0.96	-18.90	-27.59
5/18/2026	15:30:00	62.05	14.24	4.07	38.49	10.56	1.59	-27.93	-36.91
5/18/2026	15:45:00	78.89	7.24	3.31	52.03	10.99	2.11	-41.04	-49.92
5/18/2026	16:00:00	9.47	11.10	3.82	45.90	12.01	2.81	-33.89	-43.09
5/18/2026	16:15:00	16.87	8.13	4.27	42.40	10.95	3.43	-31.45	-38.97
5/18/2026	16:30:00	12.64	--	--	35.99	10.18	3.87	-25.81	-32.12
5/18/2026	16:45:00	14.06	8.52	2.04	26.39	8.75	3.36	-17.64	-23.03
5/18/2026	17:00:00	13.84	7.86	1.95	13.38	8.90	3.02	-4.48	-10.36
5/18/2026	17:15:00	15.22	8.80	1.29	14.53	8.33	2.39	-6.20	-12.14
5/18/2026	17:30:00	15.74	13.76	2.78	14.30	9.74	2.02	-4.56	-12.28

Table 4

Tuesday, May 19, 2026

Date	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)	
		Ambient	N3SB	Ambient	N3SB	N3SB - Ambient	TB4 - Ambient
5/19/26	7:00:00	7.82	1.58	7.38	2.64	-4.74	--
5/19/26	7:15:00	7.65	3.10	7.44	2.76	-4.69	--
5/19/26	7:30:00	7.55	2.70	7.47	2.98	-4.48	--
5/19/26	7:45:00	6.51	3.51	7.41	2.72	-4.69	--
5/19/26	8:00:00	9.25	2.20	7.76	2.62	-5.14	--
5/19/26	8:15:00	8.34	2.57	7.86	2.82	-5.04	--
5/19/26	8:30:00	6.60	3.29	7.65	2.86	-4.80	--
5/19/26	8:45:00	7.94	4.56	7.73	3.23	-4.50	--
5/19/26	9:00:00	10.76	8.82	8.58	4.29	-4.29	--
5/19/26	9:15:00	8.83	5.31	8.49	4.91	-3.58	--
5/19/26	9:30:00	9.43	4.55	8.71	5.31	-3.40	--
5/19/26	9:45:00	10.33	4.48	9.46	5.55	-3.91	--
5/19/26	10:00:00	9.30	8.64	9.73	6.36	-3.37	--
5/19/26	10:15:00	--	5.56	9.47	5.71	-3.76	--
5/19/26	10:30:00	8.10	3.23	9.29	5.29	-4.00	--
5/19/26	10:45:00	5.32	2.99	8.26	4.98	-3.28	--
5/19/26	11:00:00	7.26	4.74	7.50	5.03	-2.46	--
5/19/26	11:15:00	21.73	--	10.60	4.13	-6.47	--
5/19/26	11:30:00	10.26	3.19	10.53	3.54	-7.00	--
5/19/26	11:45:00	14.78	4.45	11.87	3.84	-8.03	--
5/19/26	12:00:00	11.49	3.72	13.10	4.02	-9.08	--
5/19/26	12:15:00	12.90	--	14.23	3.79	-10.45	--
5/19/26	12:30:00	8.59	3.74	11.61	3.77	-7.83	--
5/19/26	12:45:00	5.74	5.05	10.70	4.24	-6.46	--
5/19/26	13:00:00	8.84	4.76	9.51	4.31	-5.20	--
5/19/26	13:15:00	10.68	12.63	9.35	6.54	-2.81	--
5/19/26	13:30:00	275.80	6.43	61.93	6.52	-55.41	--
5/19/26	13:45:00	274.86	3.59	115.19	6.49	-108.70	--
5/19/26	14:00:00	281.62	3.70	170.36	6.22	-164.14	--
5/19/26	14:15:00	270.18	4.29	222.63	6.13	-216.50	--
5/19/26	14:30:00	278.78	--	276.25	4.50	-271.74	--
5/19/26	14:45:00	8.47	5.10	222.78	4.17	-218.61	--
5/19/26	15:00:00	8.75	6.85	169.56	4.99	-164.58	--
5/19/26	15:15:00	10.99	6.08	115.43	5.58	-109.86	--
5/19/26	15:30:00	9.04	10.35	63.21	7.09	-56.11	--
5/19/26	15:45:00	35.87	5.55	14.62	6.78	-7.84	--
5/19/26	16:00:00	41.12	13.55	21.15	8.47	-12.68	--
5/19/26	16:15:00	54.98	3.82	30.40	7.87	-22.53	--
5/19/26	16:30:00	71.30	14.16	42.46	9.48	-32.98	--
5/19/26	16:45:00	16.56	8.52	43.96	9.12	-34.85	--
5/19/26	17:00:00	13.87	4.12	39.56	8.83	-30.73	--
5/19/26	17:15:00	15.08	7.89	34.36	7.70	-26.66	--
5/19/26	17:30:00	11.63	6.81	25.69	8.30	-17.39	--

Table 5

Wednesday, May 20, 2026

Date	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Ambient	N3SB	Ambient	N3SB	N3SB - Ambient
5/20/2026	7:00:00	5.66	8.98	4.78	3.73	-1.05
5/20/2026	7:15:00	4.21	2.93	4.66	3.57	-1.09
5/20/2026	7:30:00	4.19	2.06	4.64	3.38	-1.26
5/20/2026	7:45:00	4.39	2.87	4.49	3.51	-0.98
5/20/2026	8:00:00	5.91	--	4.87	4.21	-0.66
5/20/2026	8:15:00	5.83	1.33	4.90	2.30	-2.60
5/20/2026	8:30:00	8.49	2.93	5.76	2.30	-3.46
5/20/2026	8:45:00	8.13	4.35	6.55	2.87	-3.68
5/20/2026	9:00:00	15.21	--	8.71	2.87	-5.84
5/20/2026	9:15:00	10.16	2.21	9.56	2.70	-6.86
5/20/2026	9:30:00	10.85	4.18	10.57	3.42	-7.15
5/20/2026	9:45:00	6.48	6.94	10.16	4.42	-5.75
5/20/2026	10:00:00	7.58	6.34	10.06	4.92	-5.14
5/20/2026	10:15:00	4.66	10.63	7.94	6.06	-1.88
5/20/2026	10:30:00	11.03	5.90	8.12	6.80	-1.32
5/20/2026	10:45:00	9.01	6.43	7.75	7.25	-0.50
5/20/2026	11:00:00	9.83	5.65	8.42	6.99	-1.43
5/20/2026	11:15:00	16.55	8.89	10.21	7.50	-2.72
5/20/2026	11:30:00	14.64	5.31	12.21	6.43	-5.78
5/20/2026	11:45:00	9.83	5.58	11.97	6.37	-5.60
5/20/2026	12:00:00	8.65	5.92	11.90	6.27	-5.63
5/20/2026	12:15:00	9.55	6.49	11.84	6.44	-5.41
5/20/2026	12:30:00	12.01	10.09	10.94	6.68	-4.26
5/20/2026	12:45:00	7.85	6.51	9.58	6.92	-2.66
5/20/2026	13:00:00	10.12	8.19	9.64	7.44	-2.20
5/20/2026	13:15:00	10.03	7.92	9.91	7.84	-2.07
5/20/2026	13:30:00	9.26	14.04	9.86	9.35	-0.51
5/20/2026	13:45:00	8.91	6.64	9.24	8.66	-0.58
5/20/2026	14:00:00	8.80	4.73	9.42	8.30	-1.12
5/20/2026	14:15:00	10.14	7.65	9.43	8.19	-1.23
5/20/2026	14:30:00	13.78	6.17	10.18	7.85	-2.33
5/20/2026	14:45:00	9.44	8.49	10.21	6.74	-3.48
5/20/2026	15:00:00	9.39	3.36	10.31	6.08	-4.23
5/20/2026	15:15:00	8.25	5.01	10.20	6.14	-4.06
5/20/2026	15:30:00	10.95	5.26	10.36	5.66	-4.70
5/20/2026	15:45:00	10.15	14.91	9.63	7.41	-2.23
5/20/2026	16:00:00	8.48	8.54	9.44	7.41	-2.03
5/20/2026	16:15:00	8.21	6.39	9.21	8.02	-1.19
5/20/2026	16:30:00	7.81	10.10	9.12	9.04	-0.08
5/20/2026	16:45:00	6.44	11.72	8.22	10.33	2.11
5/20/2026	17:00:00	8.51	5.71	7.89	8.49	0.60
5/20/2026	17:15:00	8.53	5.08	7.90	7.80	-0.10
5/20/2026	17:30:00	9.11	7.84	8.08	8.09	0.01

Table 6

Thursday, May 21, 2026

Date	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Ambient	N3SB	Ambient	N3SB	N3SB - Ambient
5/21/2026	7:00:00	20.90	16.02	13.35	12.45	-0.91
5/21/2026	7:15:00	22.55	7.42	15.19	11.44	-3.75
5/21/2026	7:30:00	21.88	8.11	18.87	10.35	-8.52
5/21/2026	7:45:00	8.88	4.29	19.79	8.69	-11.10
5/21/2026	8:00:00	4.37	4.97	15.71	8.16	-7.55
5/21/2026	8:15:00	3.51	4.48	12.24	5.85	-6.38
5/21/2026	8:30:00	4.49	4.83	8.63	5.34	-3.29
5/21/2026	8:45:00	3.85	6.93	5.02	5.10	0.08
5/21/2026	9:00:00	12.92	8.82	5.83	6.01	0.18
5/21/2026	9:15:00	11.11	--	7.18	6.27	-0.91
5/21/2026	9:30:00	14.35	5.68	9.34	6.57	-2.78
5/21/2026	9:45:00	12.68	3.88	10.98	6.33	-4.65
5/21/2026	10:00:00	14.56	4.86	13.12	5.81	-7.31
5/21/2026	10:15:00	10.31	--	12.60	4.81	-7.79
5/21/2026	10:30:00	9.27	5.32	12.23	4.94	-7.30
5/21/2026	10:45:00	10.50	5.64	11.46	4.93	-6.54
5/21/2026	11:00:00	11.51	6.01	11.23	5.46	-5.77
5/21/2026	11:15:00	6.11	8.92	9.54	6.47	-3.07
5/21/2026	11:30:00	6.85	7.87	8.85	6.75	-2.10
5/21/2026	11:45:00	5.89	4.38	8.17	6.56	-1.61
5/21/2026	12:00:00	9.09	4.38	7.89	6.31	-1.58
5/21/2026	12:15:00	8.64	5.41	7.32	6.19	-1.12
5/21/2026	12:30:00	7.88	--	7.67	5.51	-2.16
5/21/2026	12:45:00	7.63	3.85	7.83	4.51	-3.32
5/21/2026	13:00:00	8.64	8.29	8.38	5.48	-2.89
5/21/2026	13:15:00	8.30	4.86	8.22	5.60	-2.62
5/21/2026	13:30:00	5.63	9.40	7.62	6.60	-1.02
5/21/2026	13:45:00	6.76	5.13	7.39	6.30	-1.09
5/21/2026	14:00:00	6.85	4.80	7.24	6.49	-0.74
5/21/2026	14:15:00	4.70	3.98	6.45	5.63	-0.82
5/21/2026	14:30:00	21.94	8.20	9.18	6.30	-2.88
5/21/2026	14:45:00	21.69	9.42	12.39	6.31	-6.08
5/21/2026	15:00:00	22.04	3.74	15.45	6.03	-9.42
5/21/2026	15:15:00	23.31	3.25	18.74	5.72	-13.02
5/21/2026	15:30:00	7.52	4.64	19.30	5.85	-13.45
5/21/2026	15:45:00	7.50	9.02	16.41	6.01	-10.40
5/21/2026	16:00:00	6.01	8.52	13.28	5.83	-7.44
5/21/2026	16:15:00	5.69	7.08	10.01	6.50	-3.51
5/21/2026	16:30:00	21.62	7.42	9.67	7.34	-2.33
5/21/2026	16:45:00	9.76	8.42	10.12	8.09	-2.03
5/21/2026	17:00:00	12.26	4.44	11.07	7.18	-3.89
5/21/2026	17:15:00	12.22	5.98	12.31	6.67	-5.64
5/21/2026	17:30:00	12.02	5.50	13.58	6.35	-7.22

Table 7

Friday, May 22, 2026

Date	Time	Turbidity (NTU)			Rolling Average Turbidity (NTU)			Difference (NTU)	
		Ambient	N3SB	TB4	Ambient	N3SB	TB4	N3SB - Ambient	TB4 - Ambient
5/22/2026	7:00:00	4.05	7.92	--	4.65	6.16	--	1.51	--
5/22/2026	7:15:00	3.53	4.25	--	4.42	5.78	--	1.35	--
5/22/2026	7:30:00	3.75	5.19	--	4.33	5.73	--	1.41	--
5/22/2026	7:45:00	3.54	4.58	--	4.08	5.59	--	1.50	--
5/22/2026	8:00:00	3.48	4.23	--	3.67	5.23	--	1.57	--
5/22/2026	8:15:00	2.74	4.03	--	3.41	4.46	--	1.05	--
5/22/2026	8:30:00	3.11	4.50	--	3.32	4.51	--	1.18	--
5/22/2026	8:45:00	3.78	4.57	--	3.33	4.38	--	1.05	--
5/22/2026	9:00:00	6.20	4.25	--	3.86	4.31	--	0.45	--
5/22/2026	9:15:00	4.76	5.69	--	4.12	4.61	--	0.49	--
5/22/2026	9:30:00	4.78	3.66	0.28	4.53	4.53	0.28	0.01	-4.25
5/22/2026	9:45:00	10.12	5.23	0.13	5.93	4.68	0.20	-1.25	-5.72
5/22/2026	10:00:00	8.79	4.10	0.60	6.93	4.59	0.34	-2.35	-6.60
5/22/2026	10:15:00	10.40	2.38	0.45	7.77	4.21	0.36	-3.56	-7.41
5/22/2026	10:30:00	11.29	1.84	0.16	9.08	3.44	0.32	-5.63	-8.75
5/22/2026	10:45:00	10.90	2.93	0.17	10.30	3.30	0.30	-7.00	-10.00
5/22/2026	11:00:00	14.25	2.51	0.11	11.13	2.75	0.30	-8.37	-10.83
5/22/2026	11:15:00	13.99	4.34	0.00	12.17	2.80	0.18	-9.36	-11.99
5/22/2026	11:30:00	16.93	10.93	--	13.47	4.51	0.11	-8.96	-13.36
5/22/2026	11:45:00	7.57	8.43	0.00	12.73	5.83	0.07	-6.90	-12.66
5/22/2026	12:00:00	8.71	6.97	0.02	12.29	6.64	0.03	-5.65	-12.26
5/22/2026	12:15:00	14.92	34.86	0.69	12.42	13.11	0.18	0.68	-12.25
5/22/2026	12:30:00	16.75	44.05	0.46	12.98	21.05	0.29	8.07	-12.69
5/22/2026	12:45:00	18.18	40.38	0.06	13.23	26.94	0.24	13.71	-12.98
5/22/2026	13:00:00	16.87	43.30	5.16	15.09	33.91	1.28	18.83	-13.81
5/22/2026	13:15:00	12.39	43.31	1.88	15.82	41.18	1.65	25.36	-14.17
5/22/2026	13:30:00	13.20	45.93	1.05	15.48	43.39	1.72	27.92	-13.76
5/22/2026	13:45:00	15.38	46.00	--	15.20	43.78	2.04	28.58	-13.17
5/22/2026	14:00:00	13.65	43.03	1.65	14.30	44.31	2.44	30.02	-11.86
5/22/2026	14:15:00	63.05	46.62	1.29	23.54	44.98	1.47	21.44	-22.07
5/22/2026	14:30:00	21.14	49.77	1.28	25.29	46.27	1.32	20.98	-23.97
5/22/2026	14:45:00	20.63	49.22	1.82	26.77	46.93	1.51	20.15	-25.26
5/22/2026	15:00:00	21.38	53.63	1.00	27.97	48.45	1.41	20.48	-26.57
5/22/2026	15:15:00	21.40	57.50	1.29	29.52	51.35	1.34	21.82	-28.19
5/22/2026	15:30:00	18.99	58.98	--	20.71	53.82	1.35	33.11	-19.36

## **APPENDIX B**

### **Archived Monitoring Adjustments**

Table 1. Summary of Movement Adjustments during RTA2 Construction

Report Number	Reporting Period	Date	Affected Buoy	Description of Adjustment
008	August 5 to August 9, 2024	9-Aug-24	Ambient	Ambient Buoy moved 10 meters north of Carroll Street Bridge on west side of Canal.
		9-Aug-24	3SB	Sentinel Buoy 3SB deployed 20 meters north of the Third Street Bridge on the west side.
		9-Aug-24	4TB	Sentinel Buoy 4TB deployed in the Fourth Street Turning Basin.
009	August 12 to August 16, 2024	--	--	No adjustments this reporting period.
010	August 19 to August 23, 2024	19-Aug-24	9SB	Sentinel Buoy 9SB moved to the northeast side of the Ninth Street Bridge to reduce instrument downtime.
		21-Aug-24	9SB	Sentinel Buoy 9SB moved to the northeast side of the Hamilton Street Bridge after two days of elevated turbidity readings collected both during and outside of work hours.
011	August 26 to August 30, 2024	27-Aug-24	9SB	Sentinel Buoy 9SB moved to West side, North of 9th Street Bridge
013	September 9 to September 13, 2024	9-Sep-24	9SB	Sonde was moved 20 meters North of 9th Street Bridge
014	September 16 to September 20, 2024	16-Sep-24	9SB	Deselected from construction monitoring
021	November 4, 2024 to November 8, 2024	7-Nov-24	Ambient	Ambient moved to center of Carroll Street Bridge
023	November 18, 2024 to November 22, 2024	18-Nov-24	TB4	The sentinel buoy in TB4 was deselected from construction monitoring due to instrument errors
024	November 25, 2024 to November 29, 2024	25-Nov-24	9SB	The 9SB sonde and buoy were placed back into the water quality monitoring program.
027	December 16, 2024 to December 20, 2024	18-Dec-24	9SB	9SB sonde and buoy were relocated south of 9 <sup>th</sup> Street Bridge along the eastern bulkhead, to avoid construction vessel traffic and shallow waters which had been resulting in false elevated readings, particularly during low tide events.
035	February 10, 2025 to February 14, 2025	12-Feb-25	Ambient	Moved 150 feet North of Carrol Street Bridge
035	February 10, 2025 to February 14, 2025	14-Feb-25	Ambient	Moved 200 feet south of Union Street Bridge
036	February 17, 2025 to February 21, 2025	18-Feb-25	Ambient	The ambient sonde buoy was removed from service due to consistent instrumentation and telemetry issues
037	February 24, 2025 to February 28, 2025	25-Feb-25	Ambient	Ambient reinstated and placed 200 feet south of Union Street Bridge
037	February 24, 2025 to February 28, 2025	25-Feb-25	9SB	9SB taken out of service due to instrumentation and telemetry failure
037	February 24, 2025 to February 28, 2025	28-Feb-25	Ambient	Ambient buoy was moved 200 feet south so the middle of Carroll Street bridge
040	March 17, 2025 to March 21, 2025	17-Mar-25	TB4	A rental sonde unit was deployed at the sentinel buoy in TB4 while repairs to the original sonde are ongoing
041	March 24, 2025 to March 28, 2025	25-Mar-25	9SB	The sonde for the 9SB was redeployed into service. It was placed Northeast of the 9 <sup>th</sup> Street Bridge. Readings have remained consistent and stable since deployment.
041	March 24, 2025 to March 28, 2025	25-Mar-25	3SB	The 3SB was removed from service due to instrumentation and telemetry issues. The buoy will remain out of service until a rental sonde arrives while the other is sent out for repairs and maintenance.
041	March 24, 2025 to March 28, 2025	28-Mar-25	TB4	TB4 buoy was adjusted approximately 10 feet to deeper water conditions.
042	March 31, 2025 to April 4, 2025	3-Apr-25	3SB	A repaired sonde was deployed at the north of 3SB location in lieu of a rental sonde as mentioned in the monitoring adjustment on March 25, 2025
044	April 14, 2025 to April 18, 2025	17-Apr-25	TB4	A repaired sonde replaced the rental unit housed by the sentinel buoy in TB4.
045	April 21, 2025 to April 25, 2025	21-Apr-25	9SB	The 9SB was moved 25 feet North to avoid being near an outfall and to prevent erroneously high readings.
045	April 21, 2025 to April 25, 2025	24-Apr-25	9SB	A secondary anchor was added to the 9SB to prevent drift.
045	April 21, 2025 to April 25, 2025	25-Apr-25	TB4	Investigation and cleaning is ongoing at the TB4 buoy.
046	April 28, 2025 to May 2, 2025	28-Apr-25	Ambient	The Ambient sonde and buoy were moved 80 feet north and cleaning maintenance was performed. The readings stabilized following the movement and subsequent cleaning.
049	May 19, 2025 to May 23, 2025	19-May-25	9SB	The 9SB sonde was removed from service due to telemetry failure. The sonde will be returned to service once a new antenna is installed onto the buoy it is housed in.
050	May 26, 2025 to May 30, 2025	27-May-25	9SB	The 9SB sonde was re-deployed into service following completion of repairs to telemetry.
056	July 7, 2025 to July 11, 2025	10-Jul-25	TB4	The TB4 sonde was relocated from the northside to the southside of the turbidity curtain in turning basin 4. It had been previously relocated to the north side of the turbidity curtain for easier access during scheduled maintenance.
059	July 28, 2025 to August 1, 2025	29-Jul-25	TB4	The TB4 sonde was relocated to its previous location in turning basin 4 at the north side of the turbidity curtain. This was to allow for easier maintenance of the sonde and to prevent interaction with the turbidity curtain.
065	September 8, 2025 to September 12, 2025	8-Sep-25	9SB	The 9SB sonde was taken out of service after sustaining damage to its buoy casing. The sonde will be returned to service once repairs are complete or the buoy is replaced.
065	September 8, 2025 to September 12, 2025	10-Sep-25	3SB	The 3SB sonde was relocated 20 feet South of its original location North of the 3rd Street Bridge to facilitate easier maintenance and prevent interference with the turbidity curtain.
075	November 17, 2025 to November 21, 2025	18-Nov-25	3SB	The 3SB sonde was relocated 10 feet South of its previous location North of the 3rd Street Bridge to prevent interference with the turbidity curtain.
076	November 24, 2025 to November 28, 2025	26-Nov-25	3SB	The 3SB sonde was relocated 200 feet North from the 3rd Street Bridge to prevent further interference with the turbidity curtain.
077	December 1, 2025 to December 5, 2025	3-Dec-25	3SB	The 3SB sonde and buoy were taken out of service due to a broken anchor line and antenna.
078	December 8, 2025 to December 12, 2025	8-Dec-25	3SB	The 3SB sonde and buoy were returned to service following repairs to the antenna and anchor line.
089	February 23, 2026 to February 27, 2026	27-Feb-26	TB4	The TB4 sonde was taken out of service due to wear and tear of the Vialink telemetry unit caused by winter weather conditions.
091	March 9, 2026 to March 13, 2026	11-Mar-26	TB4	The sonde previously housed within the 9SB buoy was placed into the TB4 buoy to allow for turbidity readings to resume. Consistent readings began on March 12, 2026, following maintenance.
094	March 30, 2026 to April 3, 2026	30-Mar-26	3SB	The 3SB sonde was moved 20 feet North of its previous location to prevent interaction with the turbidity curtain.
094	March 30, 2026 to April 3, 2026	1-Apr-26	TB4	The 9SB sonde was removed from service in the TB4 buoy, and replaced with the refurbished TB4 sonde. Readings were delayed due to antenna failure and will resume after the next maintenance.
095	April 6, 2026 to April 10, 2026	9-Apr-26	TB4	The refurbished TB4 sonde was removed from the buoy housing it due to telemetry failure. The sonde continued to fail to upload data to the server, which is associated with a lack of adequate repairs during its refurbishment.
096	April 13, 2026 to April 17, 2026	13-Apr-26	TB4	A refurbished sonde was returned to the TB4 buoy. Data uploads were restored.
096	April 13, 2026 to April 17, 2026	15-Apr-26	3SB	The 3SB buoy was moved approximately 20 ft north of its prior location to prevent interference with the turbidity curtain.
097	April 20, 2026 to April 24, 2026	23-Apr-26	TB4	The TB4 buoy was moved 15 feet west to a deeper section of turning basin 4 to attempt to prevent interference from the mudline.
097	April 20, 2026 to April 24, 2026	24-Apr-26	3SB	The 3SB sonde was moved 10 feet North to account for southern drift that had occurred over time.