

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

**PERIOD: August 5, 2024 – August 9, 2024**

**Date of Report: August 13, 2024**

**Report Contents**

- Scope of Monitoring
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- Turbidity Buoy Data
- Dissolved Oxygen Monitoring Data
- Summary of Visual Observations

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## **1. SCOPE OF MONITORING**

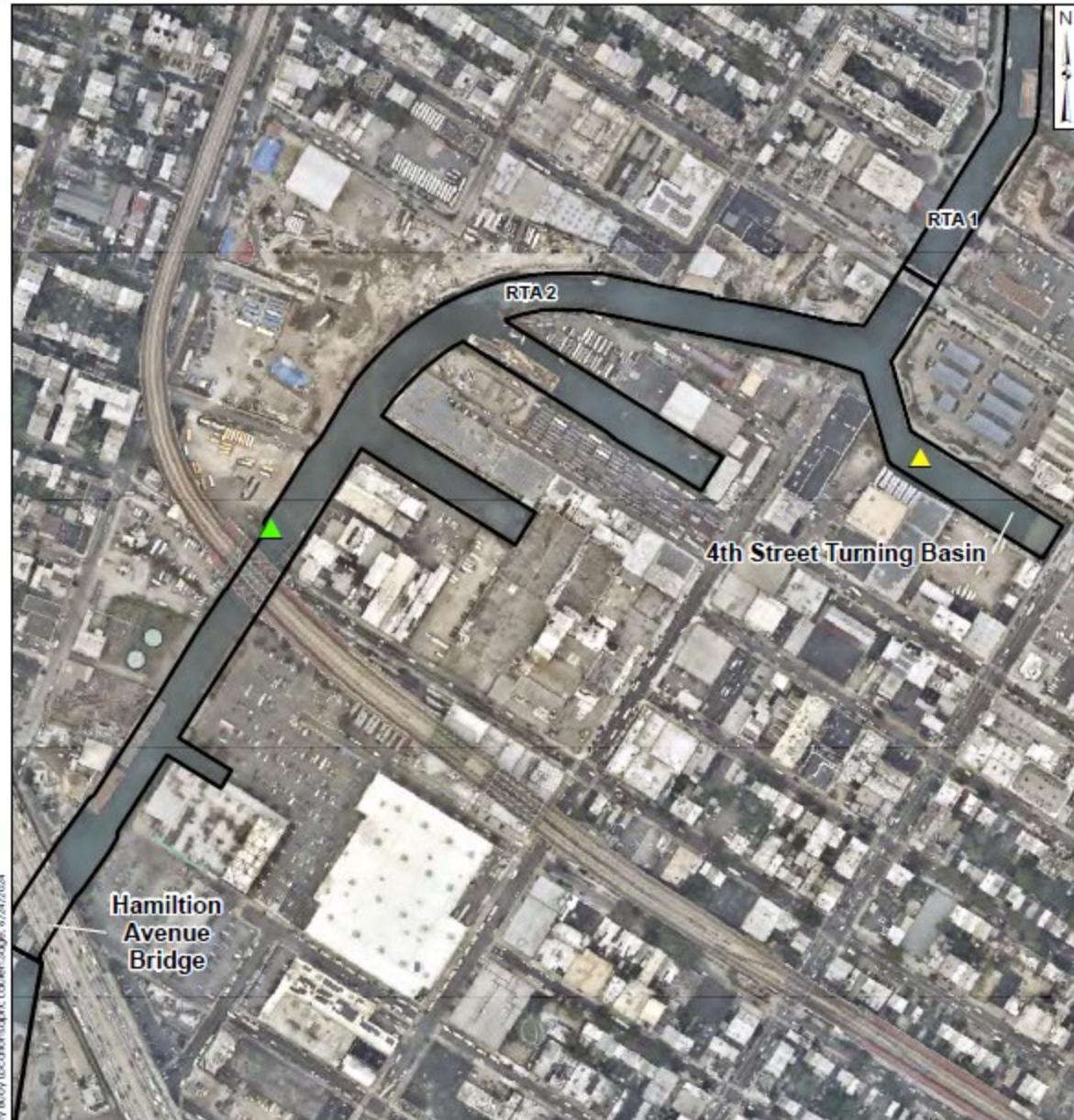
### **1.1 Buoy Locations**

In accordance with the Water Quality Monitoring Plan for In-waterway Construction Activities (WQMP) buoys, equipped with multi-parameter water quality sondes, were deployed to monitor turbidity related to RTA2 construction activities. A 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 sentinel buoy was deployed north of 9<sup>th</sup> Street Bridge, along the west bulkhead. These buoys (Figure 1) are in use to monitor the limited RTA2 construction activities.

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 Summary of Monitoring Adjustments during Construction**

- August 9, 2024, after the conclusion of RTA1 WQMP, two additional buoys were added to the RTA2 WQMP, for a total of three sentinel buoys. The ambient buoy was moved to approximately ten meters north of Carroll Street Bridge, on the west side of the canal (ambient). A sentinel buoy was placed approximately twenty meters north of 3<sup>rd</sup> Street Bridge on the west side (3SB). A sentinel buoy was placed in Fourth Street Turning Basin (TB4). The 9<sup>th</sup> Street Bridge sentinel buoy (9SB) was not moved. The data collected from the additional buoys will be included in the Week 009 report.



**Legend**

- ▲ Ambient Buoy
- ▲ Sentinel Buoy
- RTA Boundary

300 150 0 300  
Feet

**RTA2 Buoy Locations**

Gowanus Canal, Brooklyn, NY

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of new york, p.c.  
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Brooklyn, NY June 2024

Figure  
1

### **1.3 Current Reporting Period Scope of Monitoring**

During the week of August 5, 2024, two buoys, each equipped with a multi-parameter water quality sonde, 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.

Visual observations of ambient buoy, turbidity and sheen are summarized in Section 5. Visual observations of turbidity and sheen are summarized in Section 5. No maintenance was performed during this monitoring period.

### **1.4 Meteorological Conditions**

The weather conditions onsite were as follows:

**Table 1-** Summary of Weather Conditions for reporting period.

Meteorological Parameters	08/05/2024	8/06/2024	08/07/2024	08/08/2024	08/09/2024
<i>Wind Direction (from)</i>	SW	SW	NE	ENE	SSE
<i>Wind Speed (mph)</i>	4.8	6.1	5.4	5.8	12.2
<i>Temperature (°F)</i>	80.0	78.6	67.9	67.7	76.8
<i>Humidity (%)</i>	76.3	85.2	94.9	96.9	95.2
<i>Barometric Pressure (inHg)</i>	29.91	29.82	29.89	29.99	29.78
Precipitation (Inch)	0.004	1.268	0.167	0.165	0.055

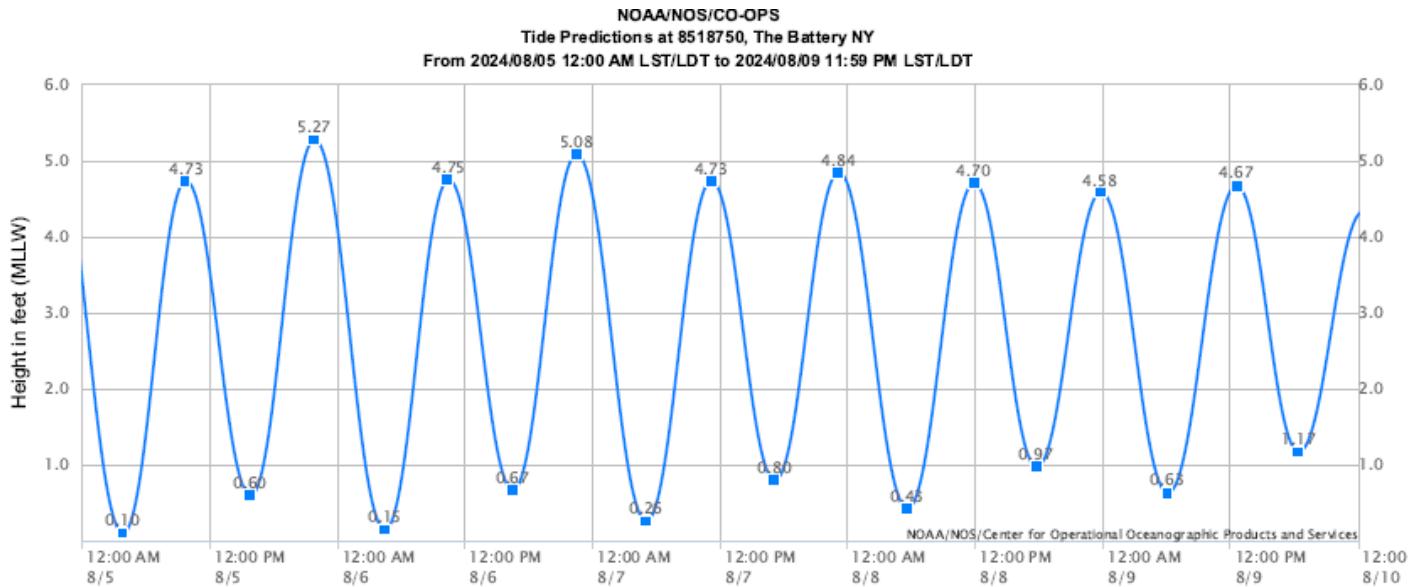
## 1.5 Tidal Conditions

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

High/Low Tide Prediction Data Listing									
Station Name: The Battery, NY									Source: NOAA/NOS/CO-OPS
Action: Daily									Prediction Type: Harmonic
Product: Tide Predictions									Datum: MLLW
Start Date & Time: 2024/8/5 12:00 AM									Height Units: Feet
End Date & Time: 2024/8/9 11:59 PM									Time Zone: LST/LDT

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt
2024/08/05	Mon	03:48 AM	0.10 L	09:43 AM	4.73 H	3:48 PM	0.60 L	9:49 PM	5.27 H
2024/08/06	Tue	04:26 AM	0.15 L	10:26 AM	4.75 H	4:28 PM	0.67 L	10:28 PM	5.08 H
2024/08/07	Wed	05:01 AM	0.26 L	11:08 AM	4.73 H	5:06 PM	0.80 L	11:07 PM	4.84 H
2024/08/08	Thu	05:34 AM	0.43 L	11:51 AM	4.70 H	5:44 PM	0.97 L	11:47 PM	4.58 H
2024/08/09	Fri	06:04 AM	0.63 L	12:32 PM	4.67 H	6:22 PM	1.17 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. Elevated readings were observed in the 9SB sentinel buoy. However, at the time of these occurrences, the sentinel buoy was positioned within 100 feet of the construction activity, vessel movement and repositioning, and the results should be disregarded as per the WQMP. 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**

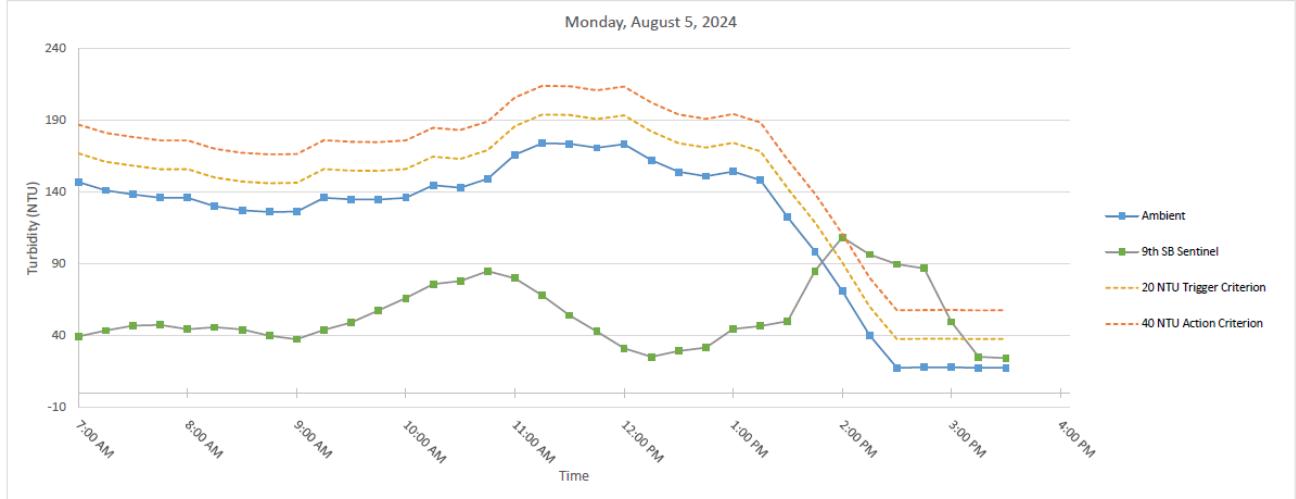
The trigger level criterion serves to provide early notification to the contractor of construction activities that may lead to an exceedance of the action level criterion. In the event of an exceedance to the trigger criterion, the contractor will not be stopped, and the contractor will be directed to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

During the reporting period, elevated turbidity measured throughout RTA2 that was unrelated to construction activities and likely associated with rainfall throughout the week. The buoys were cleaned on Monday, August 5 between 1:00PM and 2:00PM. Biofilm was noted on both buoys; Turbidity notability decreased after cleaning.

### **3.1 Monday, August 5, 2024**

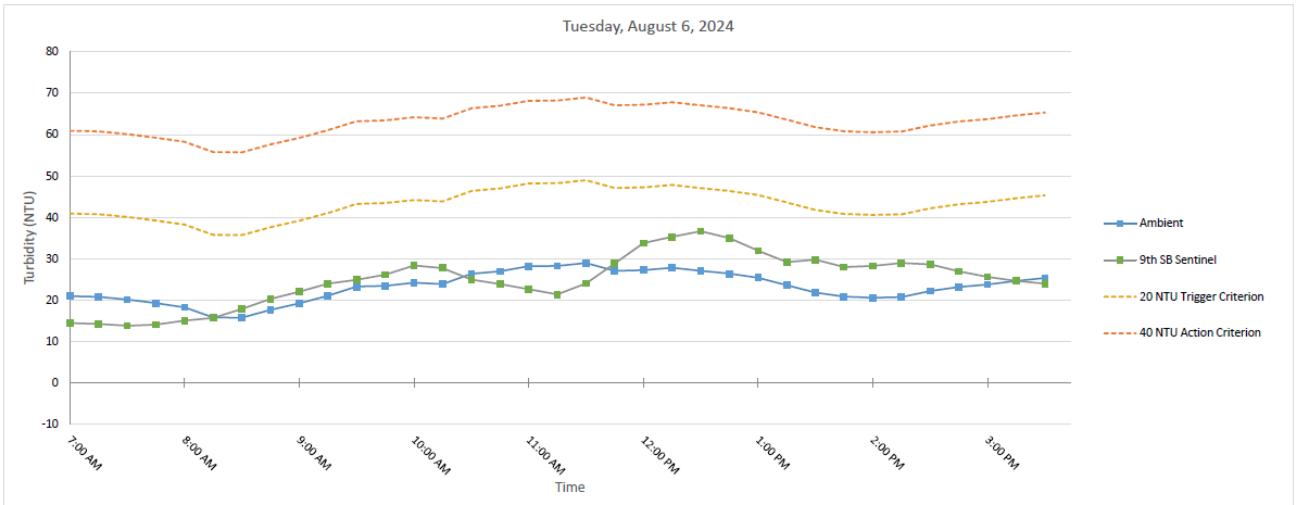
**Figure 3.** Hourly rolling average turbidity readings from 7 AM to 3:30 PM.



**Note:** Increased turbidity at both buoys due to biofilm on sondes. Turbidity decreased at the ambient buoy after sonde were cleaned. The sentinel buoy remained elevated, but was within 100 feet of construction activities.

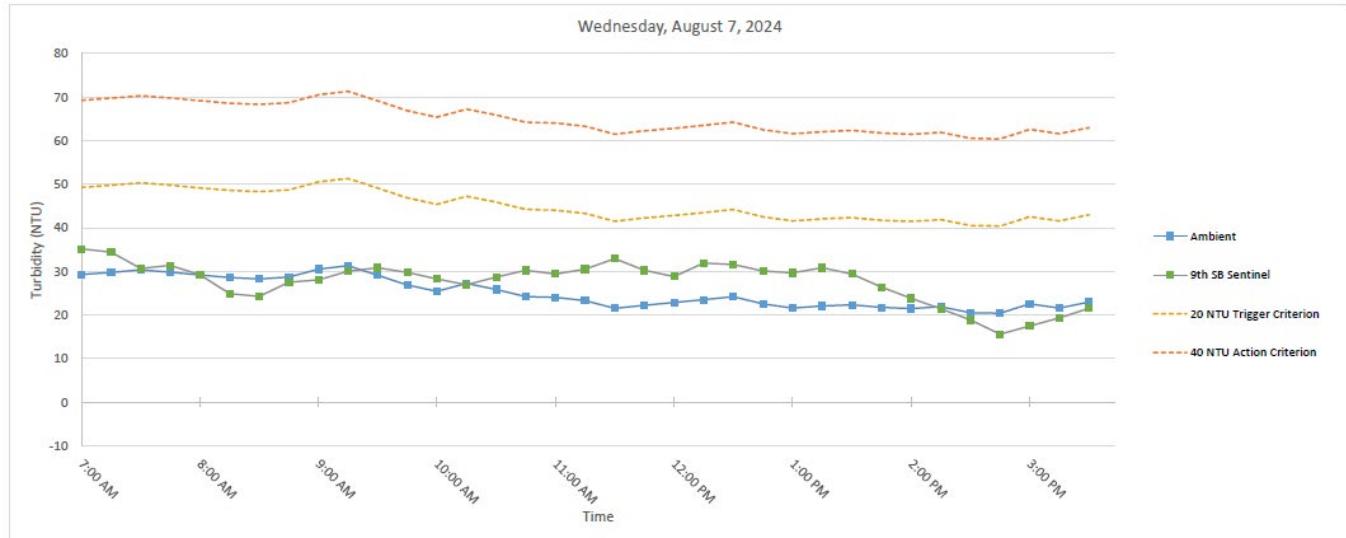
### 3.1 Tuesday, August 6, 2024

**Figure 4.** Hourly rolling average turbidity readings from 7 AM to 3:30 PM.



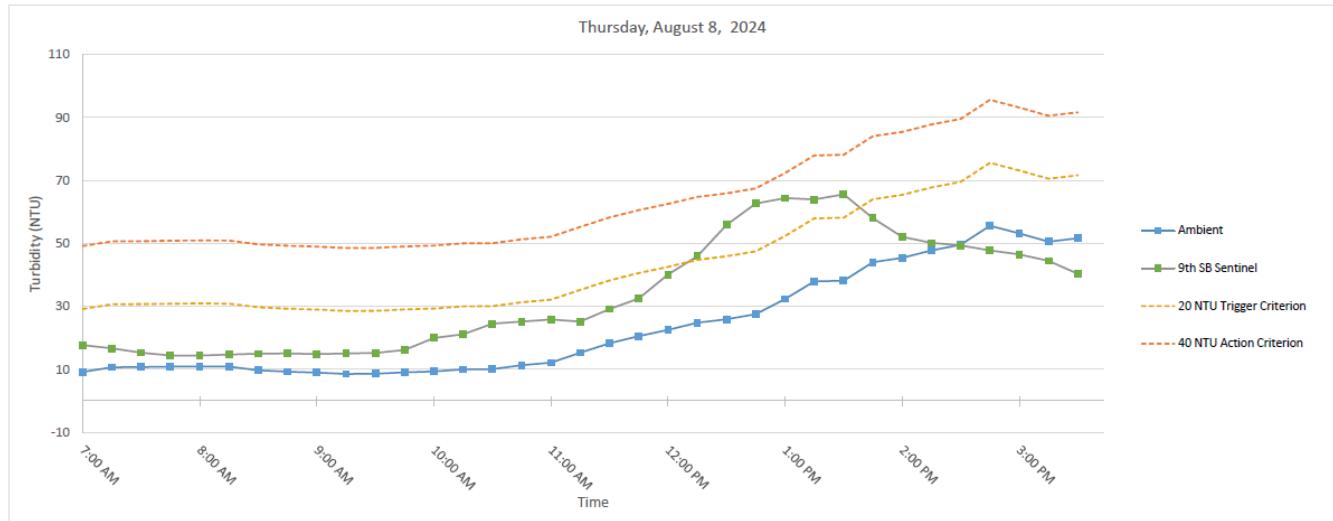
### **3.1    Wednesday, August 7, 2024**

**Figure 5.** Hourly rolling average turbidity readings from 7 AM to 3:30 PM.



### **3.1    Thursday, August 8, 2024**

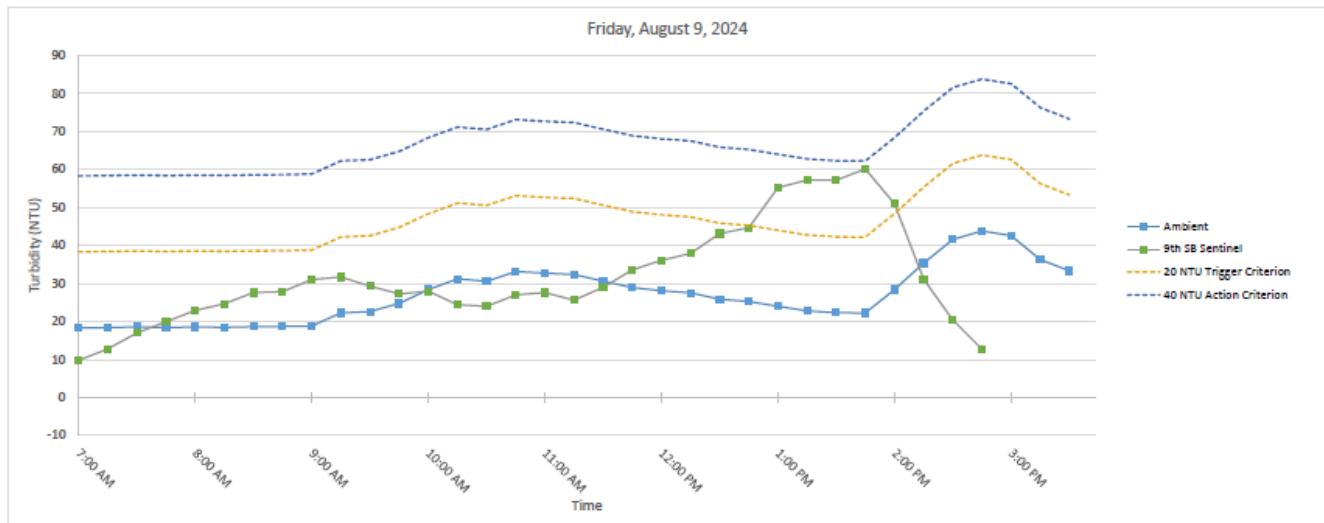
**Figure 6.** Hourly rolling average turbidity readings from 7 AM to 3:30 PM.



**Note:** Increase in turbidity at 9<sup>th</sup> SB buoy between 12:15PM and 1:30PM associated with prop wash from tugboat movement in the canal.

### **3.1     Friday, August 9, 2024**

**Figure 7.** Hourly rolling average turbidity readings from 7 AM to 3:30 PM.



**Note:** Increase in turbidity at 9<sup>th</sup> SB buoy between 12:45PM and 2:00PM associated with prop wash from tugboat movement in the canal.

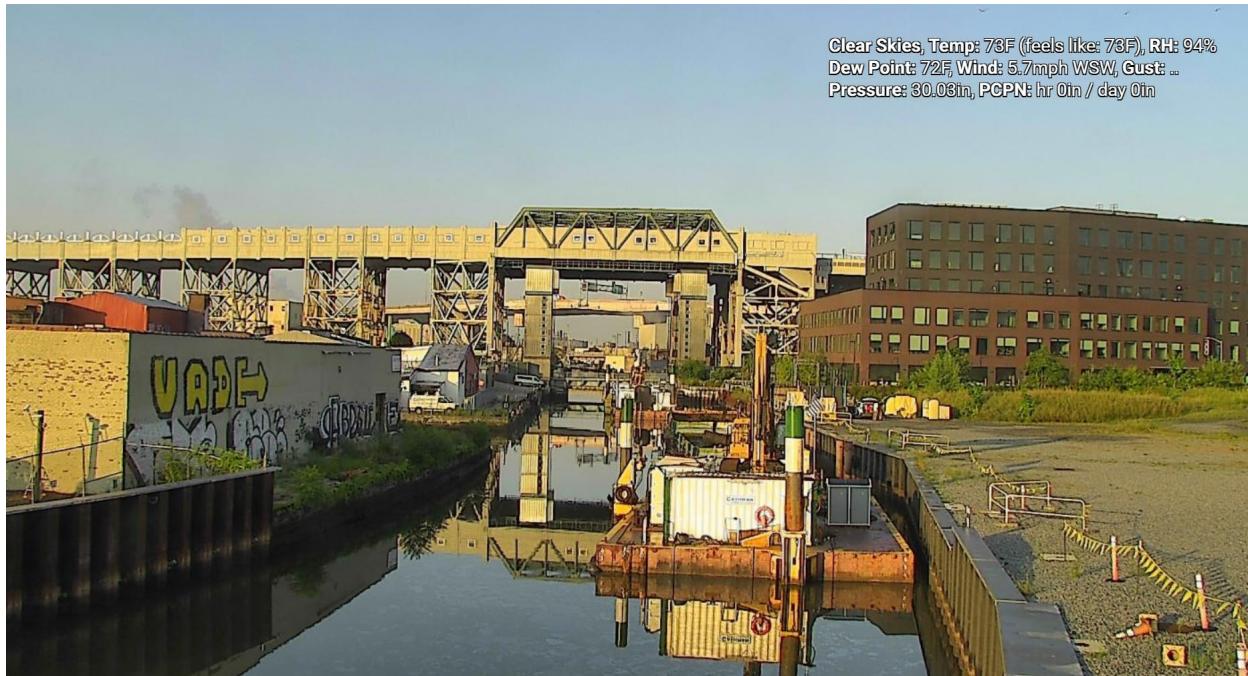
## **4. DISSOLVED OXYGEN MONITORING DATA**

Dissolved oxygen measured at the monitoring buoys throughout the reporting period is provided in Appendix B and summarized below:

- Ambient
  - Average = 2.10 (+/-0.1) mg/L
  - Min = 0.0 (+/-0.1) mg/L on multiple days
  - Max = 7.91(+/-0.1) mg/L on Monday, August 5, 2024
- 9<sup>th</sup> Street Bridge (N 9SB)
  - Average = 1.66 (+/-0.1) mg/L
  - Min = 0.0 (+/-0.1) mg/L on multiple days
  - Max = 5.19 (+/-0.1) mg/L on Sunday, August 11, 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 to moderate. The flushing tunnel was turned on at 8:45AM on Thursday August 8, 2024. The flushing tunnel will remain on for the foreseeable future. Turbid water was noted south of 3<sup>rd</sup> Street Bridge during and after work activities throughout the week and is likely associated with rainfall events throughout the reporting period. During work activities, a turbidity curtain was in place approximately 15 meters north of 3<sup>rd</sup> Street Bridge and approximately 10 meters south of 9<sup>th</sup> Street Bridge.



**Figure 8 – August 5, 2024.** General Conditions in Canal north of 9<sup>th</sup> Street Bridge prior to work activities at 6:52AM. Moderate sheens noted prior to work activities.



**Figure 9 – August 8, 2024.** General Conditions in Canal north of 9<sup>th</sup> Street Bridge prior to work activities at 10:52AM. Rain event.

# **APPENDIX A**

## **Turbidity Data Tables**

Table 3

Tuesday, August 6, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Date	Ambient	9SB	Ambient	9SB
8/6/2024	7:00:00	28.13	14.45	20.91	14.45	-6.46
8/6/2024	7:15:00	20.32	13.75	20.77	14.27	-6.50
8/6/2024	7:30:00	14.32	12.04	20.12	13.82	-6.29
8/6/2024	7:45:00	14.88	16.11	19.25	14.06	-5.19
8/6/2024	8:00:00	13.59	18.96	18.25	15.06	-3.19
8/6/2024	8:15:00	15.79	17.71	15.78	15.71	-0.07
8/6/2024	8:30:00	20.06	24.46	15.73	17.86	2.13
8/6/2024	8:45:00	23.82	24.34	17.63	20.32	2.69
8/6/2024	9:00:00	22.73	24.71	19.20	22.04	2.84
8/6/2024	9:15:00	22.89	28.67	21.06	23.98	2.92
8/6/2024	9:30:00	26.71	22.31	23.24	24.90	1.66
8/6/2024	9:45:00	21.11	30.65	23.45	26.14	2.68
8/6/2024	10:00:00	27.55	35.48	24.20	28.36	4.16
8/6/2024	10:15:00	21.04	21.68	23.86	27.76	3.89
8/6/2024	10:30:00	35.39	14.81	26.36	24.99	-1.38
8/6/2024	10:45:00	29.80	16.82	26.98	23.89	-3.09
8/6/2024	11:00:00	27.16	24.44	28.19	22.65	-5.54
8/6/2024	11:15:00	27.95	29.29	28.27	21.41	-6.86
8/6/2024	11:30:00	24.58	34.76	28.97	24.02	-4.95
8/6/2024	11:45:00	26.03	39.09	27.10	28.88	1.78
8/6/2024	12:00:00	30.54	41.41	27.25	33.80	6.55
8/6/2024	12:15:00	30.02	31.95	27.82	35.30	7.48
8/6/2024	12:30:00	24.23	35.97	27.08	36.64	9.56
8/6/2024	12:45:00	21.16	26.66	26.40	35.02	8.62
8/6/2024	13:00:00	21.02	23.70	25.39	31.94	6.54
8/6/2024	13:15:00	21.63	27.66	23.61	29.19	5.58
8/6/2024	13:30:00	20.92	34.94	21.79	29.79	7.99
8/6/2024	13:45:00	19.36	27.12	20.82	28.01	7.20
8/6/2024	14:00:00	19.93	27.82	20.57	28.25	7.67
8/6/2024	14:15:00	21.80	27.13	20.73	28.93	8.21
8/6/2024	14:30:00	28.99	26.32	22.20	28.67	6.47
8/6/2024	14:45:00	25.81	26.57	23.18	26.99	3.81
8/6/2024	15:00:00	22.23	20.15	23.75	25.60	1.85
8/6/2024	15:15:00	24.32	22.86	24.63	24.61	-0.02
8/6/2024	15:30:00	--	--	25.34	23.97	-1.36

Table 4

Tuesday, August 6, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Date	Ambient	9SB	Ambient	9SB
8/6/2024	7:00:00	28.13	14.45	20.91	14.45	-6.46
8/6/2024	7:15:00	20.32	13.75	20.77	14.27	-6.50
8/6/2024	7:30:00	14.32	12.04	20.12	13.82	-6.29
8/6/2024	7:45:00	14.88	16.11	19.25	14.06	-5.19
8/6/2024	8:00:00	13.59	18.96	18.25	15.06	-3.19
8/6/2024	8:15:00	15.79	17.71	15.78	15.71	-0.07
8/6/2024	8:30:00	20.06	24.46	15.73	17.86	2.13
8/6/2024	8:45:00	23.82	24.34	17.63	20.32	2.69
8/6/2024	9:00:00	22.73	24.71	19.20	22.04	2.84
8/6/2024	9:15:00	22.89	28.67	21.06	23.98	2.92
8/6/2024	9:30:00	26.71	22.31	23.24	24.90	1.66
8/6/2024	9:45:00	21.11	30.65	23.45	26.14	2.68
8/6/2024	10:00:00	27.55	35.48	24.20	28.36	4.16
8/6/2024	10:15:00	21.04	21.68	23.86	27.76	3.89
8/6/2024	10:30:00	35.39	14.81	26.36	24.99	-1.38
8/6/2024	10:45:00	29.80	16.82	26.98	23.89	-3.09
8/6/2024	11:00:00	27.16	24.44	28.19	22.65	-5.54
8/6/2024	11:15:00	27.95	29.29	28.27	21.41	-6.86
8/6/2024	11:30:00	24.58	34.76	28.97	24.02	-4.95
8/6/2024	11:45:00	26.03	39.09	27.10	28.88	1.78
8/6/2024	12:00:00	30.54	41.41	27.25	33.80	6.55
8/6/2024	12:15:00	30.02	31.95	27.82	35.30	7.48
8/6/2024	12:30:00	24.23	35.97	27.08	36.64	9.56
8/6/2024	12:45:00	21.16	26.66	26.40	35.02	8.62
8/6/2024	13:00:00	21.02	23.70	25.39	31.94	6.54
8/6/2024	13:15:00	21.63	27.66	23.61	29.19	5.58
8/6/2024	13:30:00	20.92	34.94	21.79	29.79	7.99
8/6/2024	13:45:00	19.36	27.12	20.82	28.01	7.20
8/6/2024	14:00:00	19.93	27.82	20.57	28.25	7.67
8/6/2024	14:15:00	21.80	27.13	20.73	28.93	8.21
8/6/2024	14:30:00	28.99	26.32	22.20	28.67	6.47
8/6/2024	14:45:00	25.81	26.57	23.18	26.99	3.81
8/6/2024	15:00:00	22.23	20.15	23.75	25.60	1.85
8/6/2024	15:15:00	24.32	22.86	24.63	24.61	-0.02
8/6/2024	15:30:00	--	--	25.34	23.97	-1.36

Table 5

Wednesday, August 7, 2024

Date	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Ambient	9SB	Ambient	9SB	
8/7/2024	7:00:00	36.65	40.06	29.30	35.19	5.88
8/7/2024	7:15:00	29.79	35.50	29.78	34.43	4.65
8/7/2024	7:30:00	27.46	18.99	30.36	30.70	0.34
8/7/2024	7:45:00	23.80	27.37	29.82	31.40	1.57
8/7/2024	8:00:00	28.20	24.32	29.18	29.25	0.07
8/7/2024	8:15:00	33.87	18.50	28.62	24.94	-3.69
8/7/2024	8:30:00	--	32.33	28.33	24.30	-4.03
8/7/2024	8:45:00	29.03	35.30	28.73	27.57	-1.16
8/7/2024	9:00:00	31.18	29.96	30.57	28.08	-2.49
8/7/2024	9:15:00	--	34.07	31.36	30.03	-1.33
8/7/2024	9:30:00	27.25	22.60	29.15	30.85	1.70
8/7/2024	9:45:00	20.15	27.08	26.90	29.80	2.90
8/7/2024	10:00:00	23.14	27.83	25.43	28.31	2.88
8/7/2024	10:15:00	38.51	23.34	27.26	26.99	-0.27
8/7/2024	10:30:00	20.54	42.74	25.92	28.72	2.80
8/7/2024	10:45:00	19.01	30.45	24.27	30.29	6.02
8/7/2024	11:00:00	19.19	22.86	24.08	29.45	5.37
8/7/2024	11:15:00	19.46	33.43	23.34	30.56	7.22
8/7/2024	11:30:00	29.48	35.26	21.53	32.95	11.41
8/7/2024	11:45:00	24.26	29.28	22.28	30.26	7.98
8/7/2024	12:00:00	21.97	23.44	22.87	28.85	5.98
8/7/2024	12:15:00	22.45	38.12	23.53	31.90	8.38
8/7/2024	12:30:00	23.11	32.05	24.25	31.63	7.37
8/7/2024	12:45:00	20.91	27.77	22.54	30.13	7.59
8/7/2024	13:00:00	19.64	27.08	21.62	29.69	8.07
8/7/2024	13:15:00	24.28	29.21	22.08	30.84	8.77
8/7/2024	13:30:00	23.96	31.04	22.38	29.43	7.05
8/7/2024	13:45:00	20.05	17.05	21.77	26.43	4.66
8/7/2024	14:00:00	19.54	14.91	21.50	23.86	2.36
8/7/2024	14:15:00	21.71	15.06	21.91	21.45	-0.46
8/7/2024	14:30:00	17.50	16.44	20.55	18.90	-1.65
8/7/2024	14:45:00	23.36	14.55	20.43	15.60	-4.83
8/7/2024	15:00:00	30.86	26.57	22.59	17.50	-5.09
8/7/2024	15:15:00	14.68	24.37	21.62	19.40	-2.22
8/7/2024	15:30:00	28.65	26.00	23.01	21.59	-1.42

Table 6

Thursday, August 8, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)
		Ambient	9SB	Ambient	9SB	
Date						
8/8/2024	7:00:00	9.01	14.27	9.15	17.66	8.51
8/8/2024	7:15:00	16.12	14.34	10.64	16.68	6.03
8/8/2024	7:30:00	9.61	13.68	10.69	15.24	4.55
8/8/2024	7:45:00	9.58	15.67	10.87	14.36	3.50
8/8/2024	8:00:00	10.42	14.13	10.95	14.42	3.47
8/8/2024	8:15:00	8.65	15.70	10.87	14.70	3.83
8/8/2024	8:30:00	10.20	15.88	9.69	15.01	5.32
8/8/2024	8:45:00	7.47	13.93	9.26	15.06	5.80
8/8/2024	9:00:00	8.12	14.60	8.97	14.85	5.88
8/8/2024	9:15:00	8.27	15.24	8.54	15.07	6.53
8/8/2024	9:30:00	8.89	16.31	8.59	15.19	6.60
8/8/2024	9:45:00	12.25	20.97	9.00	16.21	7.21
8/8/2024	10:00:00	9.16	32.85	9.34	19.99	10.65
8/8/2024	10:15:00	11.40	20.41	10.00	21.15	11.16
8/8/2024	10:30:00	8.49	31.96	10.04	24.50	14.46
8/8/2024	10:45:00	15.25	19.63	11.31	25.16	13.85
8/8/2024	11:00:00	16.46	24.21	12.15	25.81	13.66
8/8/2024	11:15:00	24.68	29.59	15.26	25.16	9.90
8/8/2024	11:30:00	26.48	40.26	18.27	29.13	10.86
8/8/2024	11:45:00	20.04	49.05	20.58	32.55	11.97
8/8/2024	12:00:00	25.21	57.51	22.57	40.13	17.55
8/8/2024	12:15:00	27.39	53.47	24.76	45.98	21.22
8/8/2024	12:30:00	30.47	79.13	25.92	55.88	29.96
8/8/2024	12:45:00	34.39	74.10	27.50	62.65	35.15
8/8/2024	13:00:00	44.43	57.88	32.38	64.42	32.04
8/8/2024	13:15:00	53.04	55.30	37.95	63.98	26.03
8/8/2024	13:30:00	28.37	61.65	38.14	65.61	27.47
8/8/2024	13:45:00	60.04	41.34	44.06	58.05	14.00
8/8/2024	14:00:00	41.14	44.13	45.41	52.06	6.65
8/8/2024	14:15:00	56.37	48.48	47.79	50.18	2.39
8/8/2024	14:30:00	61.91	51.17	49.57	49.35	-0.21
8/8/2024	14:45:00	58.55	53.76	55.60	47.78	-7.82
8/8/2024	15:00:00	47.78	35.03	53.15	46.51	-6.63
8/8/2024	15:15:00	28.23	34.03	50.57	44.49	-6.07
8/8/2024	15:30:00	61.73	28.00	51.64	40.40	-11.24

Table 7

Friday, August 9, 2024

	Time	Turbidity (NTU)		Rolling Average Turbidity (NTU)		Difference (NTU)	
		Date	Ambient	9SB	Ambient	9SB	9SB - Ambient
8/9/2024	7:00:00		17.67	19.42	18.38	9.79	-8.59
8/9/2024	7:15:00		17.98	21.41	18.47	12.81	-5.66
8/9/2024	7:30:00		18.68	28.65	18.59	17.04	-1.55
8/9/2024	7:45:00		18.06	23.22	18.47	19.99	1.52
8/9/2024	8:00:00		20.55	22.08	18.59	22.96	4.37
8/9/2024	8:15:00		17.27	28.08	18.51	24.69	6.18
8/9/2024	8:30:00		18.67	36.40	18.65	27.69	9.04
8/9/2024	8:45:00		18.92	29.54	18.70	27.86	9.17
8/9/2024	9:00:00		18.82	39.30	18.85	31.08	12.23
8/9/2024	9:15:00		37.78	25.57	22.29	31.78	9.48
8/9/2024	9:30:00		18.92	15.95	22.62	29.35	6.73
8/9/2024	9:45:00		29.60	26.25	24.81	27.32	2.51
8/9/2024	10:00:00		37.01	33.01	28.43	28.02	-0.41
8/9/2024	10:15:00		32.86	21.29	31.24	24.41	-6.82
8/9/2024	10:30:00		34.64	23.52	30.61	24.00	-6.60
8/9/2024	10:45:00		31.81	31.21	33.18	27.05	-6.13
8/9/2024	11:00:00		27.41	29.28	32.75	27.66	-5.08
8/9/2024	11:15:00		35.40	22.82	32.42	25.62	-6.80
8/9/2024	11:30:00		24.10	38.40	30.67	29.05	-1.62
8/9/2024	11:45:00		26.10	46.49	28.96	33.64	4.68
8/9/2024	12:00:00		27.63	43.80	28.13	36.16	8.03
8/9/2024	12:15:00		24.63	38.12	27.57	37.93	10.35
8/9/2024	12:30:00		27.13	49.28	25.92	43.22	17.30
8/9/2024	12:45:00		21.11	45.81	25.32	44.70	19.38
8/9/2024	13:00:00		19.71	99.52	24.04	55.31	31.27
8/9/2024	13:15:00		21.56	53.55	22.83	57.26	34.43
8/9/2024	13:30:00		22.17	38.17	22.33	57.27	34.93
8/9/2024	13:45:00		27.00	63.93	22.31	60.20	37.89
8/9/2024	14:00:00		51.78	0.00	28.44	51.04	22.59
8/9/2024	14:15:00		54.55	0.00	35.41	31.13	-4.28
8/9/2024	14:30:00		52.65	0.00	41.63	20.42	-21.21
8/9/2024	14:45:00		33.28	0.00	43.85	12.79	-31.06
8/9/2024	15:00:00		21.04	0.00	42.66	0.00	-42.66
8/9/2024	15:15:00		20.18	0.00	36.34	0.00	-36.34
8/9/2024	15:30:00		39.64	0.00	33.36	0.00	-33.36

## **APPENDIX B**

### **Dissolved Oxygen Data**

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/5/24	12:00 AM	0.0	0.0
8/5/24	12:15 AM	0.0	0.0
8/5/24	12:30 AM	0.0	0.0
8/5/24	12:45 AM	0.0	0.0
8/5/24	1:00 AM	0.0	0.0
8/5/24	1:15 AM	0.0	0.0
8/5/24	1:30 AM	0.0	0.0
8/5/24	1:45 AM	0.0	0.0
8/5/24	2:00 AM	0.0	0.0
8/5/24	2:15 AM	0.0	0.0
8/5/24	2:30 AM	0.0	0.0
8/5/24	2:45 AM	0.0	0.0
8/5/24	3:00 AM	0.0	0.0
8/5/24	3:15 AM	0.0	0.0
8/5/24	3:30 AM	0.0	0.0
8/5/24	3:45 AM	0.0	0.0
8/5/24	4:00 AM	0.0	0.0
8/5/24	4:15 AM	0.0	0.0
8/5/24	4:30 AM	0.0	0.0
8/5/24	4:45 AM	0.0	0.0
8/5/24	5:00 AM	0.0	0.0
8/5/24	5:15 AM	0.0	0.0
8/5/24	5:30 AM	0.0	0.0
8/5/24	5:45 AM	0.0	0.0
8/5/24	6:00 AM	0.0	0.0
8/5/24	6:15 AM	0.0	0.0
8/5/24	6:30 AM	0.0	0.0
8/5/24	6:45 AM	0.0	0.0
8/5/24	7:00 AM	0.0	0.0
8/5/24	7:15 AM	0.0	0.0
8/5/24	7:30 AM	0.0	0.0
8/5/24	7:45 AM	0.0	0.0
8/5/24	8:00 AM	0.0	0.0
8/5/24	8:15 AM	0.0	0.0
8/5/24	8:30 AM	0.0	0.1
8/5/24	8:45 AM	0.0	0.3
8/5/24	9:00 AM	0.0	0.1
8/5/24	9:15 AM	0.0	0.0
8/5/24	9:30 AM	0.0	0.1
8/5/24	9:45 AM	0.1	0.0
8/5/24	10:00 AM	0.3	0.1
8/5/24	10:15 AM	0.3	0.2

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/5/24	10:30 AM	0.0	0.0
8/5/24	10:45 AM	0.1	0.1
8/5/24	11:00 AM	1.5	0.2
8/5/24	11:15 AM	0.1	0.2
8/5/24	11:30 AM	0.2	0.2
8/5/24	11:45 AM	1.4	0.3
8/5/24	12:00 PM	0.0	0.4
8/5/24	12:15 PM	0.9	0.1
8/5/24	12:30 PM	2.8	0.0
8/5/24	12:45 PM	0.2	0.0
8/5/24	1:00 PM	3.4	0.0
8/5/24	1:15 PM	0.6	0.3
8/5/24	1:30 PM	--	0.0
8/5/24	1:45 PM	7.3	0.0
8/5/24	2:00 PM	5.8	0.0
8/5/24	2:15 PM	7.6	0.0
8/5/24	2:30 PM	3.7	0.0
8/5/24	2:45 PM	5.5	0.0
8/5/24	3:00 PM	4.4	0.0
8/5/24	3:15 PM	6.4	0.0
8/5/24	3:30 PM	4.5	0.0
8/5/24	3:45 PM	5.7	0.0
8/5/24	4:00 PM	4.9	0.0
8/5/24	4:15 PM	7.8	0.0
8/5/24	4:30 PM	6.1	0.0
8/5/24	4:45 PM	6.3	0.0
8/5/24	5:00 PM	4.1	0.0
8/5/24	5:15 PM	4.5	0.0
8/5/24	5:30 PM	4.4	0.0
8/5/24	5:45 PM	6.2	0.0
8/5/24	6:00 PM	4.2	0.0
8/5/24	6:15 PM	1.9	0.0
8/5/24	6:30 PM	0.1	0.0
8/5/24	6:45 PM	0.0	0.0
8/5/24	7:00 PM	0.0	0.0
8/5/24	7:15 PM	0.0	0.0
8/5/24	7:30 PM	0.0	0.0
8/5/24	7:45 PM	0.2	0.2
8/5/24	8:00 PM	0.4	0.0
8/5/24	8:15 PM	0.1	0.0
8/5/24	8:30 PM	0.0	0.1
8/5/24	8:45 PM	0.1	0.1

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/5/24	9:00 PM	0.0	0.1
8/5/24	9:15 PM	0.0	0.2
8/5/24	9:30 PM	0.0	0.0
8/5/24	9:45 PM	0.0	0.0
8/5/24	10:00 PM	0.0	0.0
8/5/24	10:15 PM	0.0	0.0
8/5/24	10:30 PM	0.0	0.0
8/5/24	10:45 PM	0.0	0.0
8/5/24	11:00 PM	0.0	0.0
8/5/24	11:15 PM	0.0	0.0
8/5/24	11:30 PM	0.0	0.0
8/5/24	11:45 PM	0.0	0.0
8/6/24	12:00 AM	0.0	0.0
8/6/24	12:15 AM	0.0	0.0
8/6/24	12:30 AM	0.0	0.0
8/6/24	12:45 AM	0.0	0.0
8/6/24	1:00 AM	0.0	0.0
8/6/24	1:15 AM	0.0	0.0
8/6/24	1:30 AM	0.0	0.0
8/6/24	1:45 AM	0.0	0.0
8/6/24	2:00 AM	0.0	0.0
8/6/24	2:15 AM	0.0	0.0
8/6/24	2:30 AM	0.0	0.0
8/6/24	2:45 AM	0.0	0.0
8/6/24	3:00 AM	0.0	0.0
8/6/24	3:15 AM	0.0	0.0
8/6/24	3:30 AM	0.0	0.0
8/6/24	3:45 AM	0.0	0.0
8/6/24	4:00 AM	0.0	0.0
8/6/24	4:15 AM	0.0	0.0
8/6/24	4:30 AM	0.0	0.0
8/6/24	4:45 AM	0.0	0.0
8/6/24	5:00 AM	0.0	0.0
8/6/24	5:15 AM	0.0	0.0
8/6/24	5:30 AM	0.0	0.0
8/6/24	5:45 AM	0.0	0.0
8/6/24	6:00 AM	0.0	0.0
8/6/24	6:15 AM	0.0	0.0
8/6/24	6:30 AM	0.0	0.0
8/6/24	6:45 AM	0.0	0.0
8/6/24	7:00 AM	0.0	0.0
8/6/24	7:15 AM	0.0	0.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/6/24	7:30 AM	0.0	0.0
8/6/24	7:45 AM	0.0	0.0
8/6/24	8:00 AM	0.0	0.0
8/6/24	8:15 AM	0.0	0.0
8/6/24	8:30 AM	0.0	0.0
8/6/24	8:45 AM	0.0	0.4
8/6/24	9:00 AM	0.0	0.7
8/6/24	9:15 AM	0.0	0.3
8/6/24	9:30 AM	0.0	0.0
8/6/24	9:45 AM	0.0	0.5
8/6/24	10:00 AM	0.0	1.1
8/6/24	10:15 AM	0.0	1.3
8/6/24	10:30 AM	0.1	1.2
8/6/24	10:45 AM	0.0	0.5
8/6/24	11:00 AM	0.1	0.3
8/6/24	11:15 AM	0.4	0.0
8/6/24	11:30 AM	2.2	0.0
8/6/24	11:45 AM	0.0	0.1
8/6/24	12:00 PM	0.3	0.0
8/6/24	12:15 PM	0.5	0.0
8/6/24	12:30 PM	3.5	0.0
8/6/24	12:45 PM	3.2	0.0
8/6/24	1:00 PM	3.7	0.0
8/6/24	1:15 PM	4.0	0.0
8/6/24	1:30 PM	3.9	0.0
8/6/24	1:45 PM	6.0	0.0
8/6/24	2:00 PM	2.7	0.0
8/6/24	2:15 PM	6.3	0.0
8/6/24	2:30 PM	5.2	0.0
8/6/24	2:45 PM	3.2	0.0
8/6/24	3:00 PM	2.8	0.0
8/6/24	3:15 PM	3.5	0.0
8/6/24	3:30 PM	2.6	0.0
8/6/24	3:45 PM	4.2	0.0
8/6/24	4:00 PM	3.1	0.0
8/6/24	4:15 PM	1.4	0.0
8/6/24	4:30 PM	1.9	0.0
8/6/24	4:45 PM	2.3	0.0
8/6/24	5:00 PM	6.3	0.0
8/6/24	5:15 PM	3.5	0.0
8/6/24	5:30 PM	3.2	0.0
8/6/24	5:45 PM	1.6	0.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/6/24	6:00 PM	2.1	0.1
8/6/24	6:15 PM	2.7	0.0
8/6/24	6:30 PM	5.2	0.0
8/6/24	6:45 PM	2.6	0.3
8/6/24	7:00 PM	2.4	0.1
8/6/24	7:15 PM	1.6	0.6
8/6/24	7:30 PM	0.3	0.2
8/6/24	7:45 PM	1.3	0.0
8/6/24	8:00 PM	3.1	0.0
8/6/24	8:15 PM	0.3	0.0
8/6/24	8:30 PM	0.8	0.0
8/6/24	8:45 PM	0.9	0.0
8/6/24	9:00 PM	1.7	0.0
8/6/24	9:15 PM	1.7	0.0
8/6/24	9:30 PM	2.2	0.1
8/6/24	9:45 PM	0.2	0.0
8/6/24	10:00 PM	0.3	0.0
8/6/24	10:15 PM	0.0	0.0
8/6/24	10:30 PM	0.0	0.0
8/6/24	10:45 PM	0.0	0.2
8/6/24	11:00 PM	0.0	0.0
8/6/24	11:15 PM	0.0	0.0
8/6/24	11:30 PM	0.0	0.0
8/6/24	11:45 PM	0.0	0.0
8/7/24	12:00 AM	0.0	0.0
8/7/24	12:15 AM	0.0	0.0
8/7/24	12:30 AM	0.0	0.0
8/7/24	12:45 AM	0.0	0.0
8/7/24	1:00 AM	0.0	0.0
8/7/24	1:15 AM	0.0	0.0
8/7/24	1:30 AM	0.0	0.0
8/7/24	1:45 AM	0.0	0.0
8/7/24	2:00 AM	0.0	0.0
8/7/24	2:15 AM	0.0	0.0
8/7/24	2:30 AM	0.0	0.0
8/7/24	2:45 AM	0.0	0.0
8/7/24	3:00 AM	0.0	0.0
8/7/24	3:15 AM	0.0	0.0
8/7/24	3:30 AM	0.0	0.0
8/7/24	3:45 AM	0.0	0.0
8/7/24	4:00 AM	0.0	0.0
8/7/24	4:15 AM	0.0	0.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/7/24	4:30 AM	0.0	0.0
8/7/24	4:45 AM	0.0	0.0
8/7/24	5:00 AM	0.0	0.0
8/7/24	5:15 AM	0.0	0.0
8/7/24	5:30 AM	0.0	0.0
8/7/24	5:45 AM	0.0	0.0
8/7/24	6:00 AM	0.0	0.0
8/7/24	6:15 AM	0.0	0.0
8/7/24	6:30 AM	0.0	0.0
8/7/24	6:45 AM	0.0	0.0
8/7/24	7:00 AM	0.0	0.0
8/7/24	7:15 AM	0.0	0.0
8/7/24	7:30 AM	0.0	0.0
8/7/24	7:45 AM	0.0	0.0
8/7/24	8:00 AM	0.0	0.0
8/7/24	8:15 AM	0.0	0.0
8/7/24	8:30 AM	0.0	0.0
8/7/24	8:45 AM	0.0	0.0
8/7/24	9:00 AM	0.0	0.0
8/7/24	9:15 AM	0.0	0.0
8/7/24	9:30 AM	0.0	0.0
8/7/24	9:45 AM	0.0	0.0
8/7/24	10:00 AM	0.0	0.0
8/7/24	10:15 AM	0.0	0.0
8/7/24	10:30 AM	0.0	0.0
8/7/24	10:45 AM	0.0	0.0
8/7/24	11:00 AM	0.0	0.0
8/7/24	11:15 AM	0.0	0.0
8/7/24	11:30 AM	0.0	0.0
8/7/24	11:45 AM	0.0	0.0
8/7/24	12:00 PM	0.0	0.0
8/7/24	12:15 PM	0.0	0.0
8/7/24	12:30 PM	0.0	0.0
8/7/24	12:45 PM	0.0	0.0
8/7/24	1:00 PM	0.0	0.0
8/7/24	1:15 PM	0.0	0.0
8/7/24	1:30 PM	0.0	0.0
8/7/24	1:45 PM	0.0	0.0
8/7/24	2:00 PM	0.0	0.0
8/7/24	2:15 PM	0.0	0.0
8/7/24	2:30 PM	0.0	0.1
8/7/24	2:45 PM	0.0	0.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/7/24	3:00 PM	0.0	0.0
8/7/24	3:15 PM	0.0	0.0
8/7/24	3:30 PM	0.0	0.0
8/7/24	3:45 PM	0.0	0.0
8/7/24	4:00 PM	0.0	0.0
8/7/24	4:15 PM	0.0	0.0
8/7/24	4:30 PM	0.0	0.0
8/7/24	4:45 PM	0.0	0.0
8/7/24	5:00 PM	0.0	0.0
8/7/24	5:15 PM	0.0	0.0
8/7/24	5:30 PM	0.0	0.0
8/7/24	5:45 PM	0.0	0.0
8/7/24	6:00 PM	0.0	0.0
8/7/24	6:15 PM	0.0	0.0
8/7/24	6:30 PM	0.0	0.0
8/7/24	6:45 PM	0.0	0.0
8/7/24	7:00 PM	0.0	0.0
8/7/24	7:15 PM	0.0	0.0
8/7/24	7:30 PM	0.0	0.0
8/7/24	7:45 PM	0.0	0.0
8/7/24	8:00 PM	0.0	0.0
8/7/24	8:15 PM	0.0	0.0
8/7/24	8:30 PM	0.0	0.0
8/7/24	8:45 PM	0.0	0.0
8/7/24	9:00 PM	0.0	0.0
8/7/24	9:15 PM	0.0	0.0
8/7/24	9:30 PM	0.0	0.0
8/7/24	9:45 PM	0.0	0.0
8/7/24	10:00 PM	0.0	0.0
8/7/24	10:15 PM	0.0	0.0
8/7/24	10:30 PM	0.0	0.0
8/7/24	10:45 PM	0.0	0.0
8/7/24	11:00 PM	0.0	0.0
8/7/24	11:15 PM	0.0	0.0
8/7/24	11:30 PM	0.0	0.0
8/7/24	11:45 PM	0.0	0.0
8/8/24	12:00 AM	0.0	0.0
8/8/24	12:15 AM	0.0	0.0
8/8/24	12:30 AM	0.0	0.0
8/8/24	12:45 AM	0.0	0.0
8/8/24	1:00 AM	0.0	0.0
8/8/24	1:15 AM	0.0	0.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/8/24	1:30 AM	0.0	0.0
8/8/24	1:45 AM	0.0	0.0
8/8/24	2:00 AM	0.0	0.0
8/8/24	2:15 AM	0.0	0.0
8/8/24	2:30 AM	0.0	0.0
8/8/24	2:45 AM	0.0	0.0
8/8/24	3:00 AM	0.0	0.0
8/8/24	3:15 AM	0.0	0.0
8/8/24	3:30 AM	0.0	0.0
8/8/24	3:45 AM	0.0	0.0
8/8/24	4:00 AM	0.0	0.0
8/8/24	4:15 AM	0.0	0.0
8/8/24	4:30 AM	0.0	0.0
8/8/24	4:45 AM	0.0	0.0
8/8/24	5:00 AM	0.0	0.0
8/8/24	5:15 AM	0.0	0.0
8/8/24	5:30 AM	0.0	0.0
8/8/24	5:45 AM	0.0	0.0
8/8/24	6:00 AM	0.0	0.0
8/8/24	6:15 AM	0.0	0.0
8/8/24	6:30 AM	0.0	0.0
8/8/24	6:45 AM	0.0	0.0
8/8/24	7:00 AM	0.0	0.0
8/8/24	7:15 AM	0.0	0.0
8/8/24	7:30 AM	0.0	0.0
8/8/24	7:45 AM	0.0	0.0
8/8/24	8:00 AM	0.0	0.0
8/8/24	8:15 AM	0.0	0.0
8/8/24	8:30 AM	0.0	0.0
8/8/24	8:45 AM	0.0	0.0
8/8/24	9:00 AM	0.0	0.0
8/8/24	9:15 AM	0.0	0.0
8/8/24	9:30 AM	0.0	0.0
8/8/24	9:45 AM	0.0	0.0
8/8/24	10:00 AM	0.0	0.0
8/8/24	10:15 AM	0.0	0.0
8/8/24	10:30 AM	0.0	0.0
8/8/24	10:45 AM	0.0	0.0
8/8/24	11:00 AM	0.0	0.0
8/8/24	11:15 AM	0.0	0.0
8/8/24	11:30 AM	0.0	0.0
8/8/24	11:45 AM	0.0	0.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/8/24	12:00 PM	0.0	0.0
8/8/24	12:15 PM	0.0	0.0
8/8/24	12:30 PM	0.0	0.0
8/8/24	12:45 PM	0.0	0.0
8/8/24	1:00 PM	0.0	0.0
8/8/24	1:15 PM	0.0	0.4
8/8/24	1:30 PM	0.0	0.3
8/8/24	1:45 PM	0.0	0.3
8/8/24	2:00 PM	0.0	0.1
8/8/24	2:15 PM	0.0	0.1
8/8/24	2:30 PM	0.0	0.2
8/8/24	2:45 PM	0.0	0.2
8/8/24	3:00 PM	0.0	0.5
8/8/24	3:15 PM	0.0	0.8
8/8/24	3:30 PM	0.0	0.7
8/8/24	3:45 PM	0.0	0.7
8/8/24	4:00 PM	0.0	1.3
8/8/24	4:15 PM	0.0	1.3
8/8/24	4:30 PM	0.0	1.5
8/8/24	4:45 PM	0.0	1.9
8/8/24	5:00 PM	0.0	2.4
8/8/24	5:15 PM	0.0	3.0
8/8/24	5:30 PM	0.0	3.2
8/8/24	5:45 PM	0.0	3.1
8/8/24	6:00 PM	0.0	2.8
8/8/24	6:15 PM	0.0	2.9
8/8/24	6:30 PM	0.0	2.8
8/8/24	6:45 PM	0.0	2.3
8/8/24	7:00 PM	0.0	2.5
8/8/24	7:15 PM	0.0	2.4
8/8/24	7:30 PM	0.0	2.7
8/8/24	7:45 PM	0.0	2.6
8/8/24	8:00 PM	0.0	2.6
8/8/24	8:15 PM	0.0	2.3
8/8/24	8:30 PM	0.0	2.1
8/8/24	8:45 PM	0.0	2.2
8/8/24	9:00 PM	0.0	2.2
8/8/24	9:15 PM	0.0	2.6
8/8/24	9:30 PM	0.0	2.4
8/8/24	9:45 PM	0.0	3.3
8/8/24	10:00 PM	0.0	3.8
8/8/24	10:15 PM	0.0	4.1
8/8/24	10:30 PM	0.0	4.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/8/24	10:45 PM	0.0	4.0
8/8/24	11:00 PM	0.0	4.0
8/8/24	11:15 PM	0.0	4.0
8/8/24	11:30 PM	0.0	3.9
8/8/24	11:45 PM	0.0	3.9
8/9/24	12:00 AM	0.0	3.9
8/9/24	12:15 AM	0.0	3.8
8/9/24	12:30 AM	0.0	3.6
8/9/24	12:45 AM	0.0	3.5
8/9/24	1:00 AM	0.2	3.4
8/9/24	1:15 AM	1.2	3.4
8/9/24	1:30 AM	1.9	3.6
8/9/24	1:45 AM	1.5	3.4
8/9/24	2:00 AM	2.1	3.3
8/9/24	2:15 AM	2.2	3.3
8/9/24	2:30 AM	1.6	3.3
8/9/24	2:45 AM	1.8	3.3
8/9/24	3:00 AM	2.1	3.3
8/9/24	3:15 AM	1.7	3.4
8/9/24	3:30 AM	0.2	3.4
8/9/24	3:45 AM	2.0	3.3
8/9/24	4:00 AM	1.6	3.5
8/9/24	4:15 AM	0.4	3.7
8/9/24	4:30 AM	1.3	3.8
8/9/24	4:45 AM	1.7	3.8
8/9/24	5:00 AM	1.4	3.7
8/9/24	5:15 AM	0.7	3.8
8/9/24	5:30 AM	1.4	3.7
8/9/24	5:45 AM	1.1	3.8
8/9/24	6:00 AM	0.9	3.8
8/9/24	6:15 AM	1.1	3.7
8/9/24	6:30 AM	1.0	3.8
8/9/24	6:45 AM	1.0	3.8
8/9/24	7:00 AM	0.9	3.8
8/9/24	7:15 AM	1.5	3.8
8/9/24	7:30 AM	1.1	3.7
8/9/24	7:45 AM	1.2	3.9
8/9/24	8:00 AM	1.1	4.0
8/9/24	8:15 AM	1.4	3.9
8/9/24	8:30 AM	1.7	3.8
8/9/24	8:45 AM	1.4	3.8
8/9/24	9:00 AM	1.6	3.8
8/9/24	9:15 AM	1.4	3.8

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/9/24	9:30 AM	1.7	3.9
8/9/24	9:45 AM	1.8	4.2
8/9/24	10:00 AM	1.9	4.2
8/9/24	10:15 AM	2.1	4.2
8/9/24	10:30 AM	2.3	4.2
8/9/24	10:45 AM	2.4	4.3
8/9/24	11:00 AM	2.6	4.3
8/9/24	11:15 AM	2.7	4.4
8/9/24	11:30 AM	2.8	4.5
8/9/24	11:45 AM	3.0	4.4
8/9/24	12:00 PM	3.1	4.4
8/9/24	12:15 PM	3.2	4.0
8/9/24	12:30 PM	3.4	4.0
8/9/24	12:45 PM	3.6	4.1
8/9/24	1:00 PM	3.7	4.1
8/9/24	1:15 PM	3.8	4.1
8/9/24	1:30 PM	3.9	4.1
8/9/24	1:45 PM	4.1	4.0
8/9/24	2:00 PM	3.8	3.9
8/9/24	2:15 PM	4.0	3.8
8/9/24	2:30 PM	4.0	3.8
8/9/24	2:45 PM	4.1	4.1
8/9/24	3:00 PM	4.2	4.3
8/9/24	3:15 PM	4.3	4.3
8/9/24	3:30 PM	4.2	4.4
8/9/24	3:45 PM	4.3	4.3
8/9/24	4:00 PM	4.3	4.2
8/9/24	4:15 PM	4.2	4.2
8/9/24	4:30 PM	4.1	4.2
8/9/24	4:45 PM	4.0	4.2
8/9/24	5:00 PM	4.1	4.3
8/9/24	5:15 PM	4.1	4.2
8/9/24	5:30 PM	4.2	4.3
8/9/24	5:45 PM	4.0	4.2
8/9/24	6:00 PM	4.1	4.2
8/9/24	6:15 PM	4.0	4.2
8/9/24	6:30 PM	4.2	4.1
8/9/24	6:45 PM	4.0	4.2
8/9/24	7:00 PM	4.0	4.2
8/9/24	7:15 PM	4.1	4.2
8/9/24	7:30 PM	4.0	4.2
8/9/24	7:45 PM	4.2	4.2
8/9/24	8:00 PM	4.2	4.2

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/9/24	8:15 PM	4.2	4.1
8/9/24	8:30 PM	4.2	4.0
8/9/24	8:45 PM	4.2	4.1
8/9/24	9:00 PM	4.2	4.2
8/9/24	9:15 PM	4.3	4.2
8/9/24	9:30 PM	4.3	4.2
8/9/24	9:45 PM	4.2	4.2
8/9/24	10:00 PM	4.2	4.3
8/9/24	10:15 PM	4.2	4.3
8/9/24	10:30 PM	4.2	4.5
8/9/24	10:45 PM	4.2	4.7
8/9/24	11:00 PM	4.2	4.7
8/9/24	11:15 PM	4.3	4.7
8/9/24	11:30 PM	4.3	4.7
8/9/24	11:45 PM	4.3	4.7
8/10/24	12:00 AM	4.4	4.6
8/10/24	12:15 AM	4.3	4.5
8/10/24	12:30 AM	4.3	4.4
8/10/24	12:45 AM	4.3	4.4
8/10/24	1:00 AM	4.3	4.3
8/10/24	1:15 AM	4.2	4.2
8/10/24	1:30 AM	4.2	4.1
8/10/24	1:45 AM	4.4	4.0
8/10/24	2:00 AM	4.3	4.0
8/10/24	2:15 AM	4.3	4.1
8/10/24	2:30 AM	4.3	4.2
8/10/24	2:45 AM	4.2	4.2
8/10/24	3:00 AM	4.3	4.2
8/10/24	3:15 AM	4.3	4.3
8/10/24	3:30 AM	4.1	4.3
8/10/24	3:45 AM	4.2	4.2
8/10/24	4:00 AM	4.3	4.2
8/10/24	4:15 AM	4.1	4.2
8/10/24	4:30 AM	3.9	4.2
8/10/24	4:45 AM	4.1	4.1
8/10/24	5:00 AM	4.1	4.2
8/10/24	5:15 AM	4.1	4.2
8/10/24	5:30 AM	4.0	4.2
8/10/24	5:45 AM	4.1	4.1
8/10/24	6:00 AM	3.9	4.2
8/10/24	6:15 AM	4.1	4.5
8/10/24	6:30 AM	4.0	4.5
8/10/24	6:45 AM	3.9	4.5

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/10/24	7:00 AM	3.8	4.6
8/10/24	7:15 AM	3.9	4.6
8/10/24	7:30 AM	4.1	4.6
8/10/24	7:45 AM	4.2	4.5
8/10/24	8:00 AM	4.2	4.5
8/10/24	8:15 AM	4.3	4.6
8/10/24	8:30 AM	4.5	4.5
8/10/24	8:45 AM	4.3	4.5
8/10/24	9:00 AM	4.2	4.5
8/10/24	9:15 AM	4.4	4.5
8/10/24	9:30 AM	4.4	4.6
8/10/24	9:45 AM	4.2	4.6
8/10/24	10:00 AM	4.4	4.6
8/10/24	10:15 AM	4.3	4.6
8/10/24	10:30 AM	4.2	4.8
8/10/24	10:45 AM	4.4	5.1
8/10/24	11:00 AM	4.5	5.1
8/10/24	11:15 AM	4.5	5.1
8/10/24	11:30 AM	4.6	5.0
8/10/24	11:45 AM	4.9	5.1
8/10/24	12:00 PM	4.7	5.2
8/10/24	12:15 PM	4.9	5.2
8/10/24	12:30 PM	4.7	5.1
8/10/24	12:45 PM	4.8	5.0
8/10/24	1:00 PM	4.8	5.0
8/10/24	1:15 PM	4.9	4.9
8/10/24	1:30 PM	4.8	4.7
8/10/24	1:45 PM	4.9	4.7
8/10/24	2:00 PM	4.8	4.5
8/10/24	2:15 PM	4.8	4.2
8/10/24	2:30 PM	4.9	4.1
8/10/24	2:45 PM	4.9	4.4
8/10/24	3:00 PM	4.9	4.4
8/10/24	3:15 PM	4.8	4.5
8/10/24	3:30 PM	4.8	4.6
8/10/24	3:45 PM	4.8	4.6
8/10/24	4:00 PM	4.8	4.6
8/10/24	4:15 PM	4.9	4.5
8/10/24	4:30 PM	4.9	4.6
8/10/24	4:45 PM	4.9	4.6
8/10/24	5:00 PM	4.9	4.5
8/10/24	5:15 PM	4.8	4.6
8/10/24	5:30 PM	4.8	4.6

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/10/24	5:45 PM	4.9	4.7
8/10/24	6:00 PM	4.9	4.7
8/10/24	6:15 PM	4.9	4.8
8/10/24	6:30 PM	5.1	4.9
8/10/24	6:45 PM	5.0	5.0
8/10/24	7:00 PM	5.0	5.0
8/10/24	7:15 PM	4.8	5.0
8/10/24	7:30 PM	5.0	5.0
8/10/24	7:45 PM	5.0	5.0
8/10/24	8:00 PM	5.0	5.0
8/10/24	8:15 PM	4.9	4.9
8/10/24	8:30 PM	4.9	5.0
8/10/24	8:45 PM	5.0	4.9
8/10/24	9:00 PM	5.0	4.9
8/10/24	9:15 PM	5.1	4.9
8/10/24	9:30 PM	4.9	5.0
8/10/24	9:45 PM	5.0	4.9
8/10/24	10:00 PM	4.9	5.1
8/10/24	10:15 PM	4.9	5.2
8/10/24	10:30 PM	4.9	5.1
8/10/24	10:45 PM	5.0	5.1
8/10/24	11:00 PM	4.9	5.2
8/10/24	11:15 PM	4.8	5.1
8/10/24	11:30 PM	5.0	5.2
8/10/24	11:45 PM	4.7	5.1
8/11/24	12:00 AM	4.9	5.1
8/11/24	12:15 AM	4.9	5.0
8/11/24	12:30 AM	5.0	5.0
8/11/24	12:45 AM	5.0	5.0
8/11/24	1:00 AM	5.1	5.1
8/11/24	1:15 AM	5.1	5.0
8/11/24	1:30 AM	5.0	4.9
8/11/24	1:45 AM	4.9	4.9
8/11/24	2:00 AM	4.9	4.8
8/11/24	2:15 AM	4.9	4.9
8/11/24	2:30 AM	4.9	4.8
8/11/24	2:45 AM	4.9	4.7
8/11/24	3:00 AM	5.0	4.7
8/11/24	3:15 AM	4.9	4.7
8/11/24	3:30 AM	5.0	4.6
8/11/24	3:45 AM	5.1	4.6
8/11/24	4:00 AM	4.9	4.6
8/11/24	4:15 AM	4.8	4.6

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/11/24	4:30 AM	5.0	4.6
8/11/24	4:45 AM	4.8	4.6
8/11/24	5:00 AM	5.0	4.6
8/11/24	5:15 AM	4.7	4.6
8/11/24	5:30 AM	4.7	4.6
8/11/24	5:45 AM	4.7	4.8
8/11/24	6:00 AM	4.7	4.9
8/11/24	6:15 AM	4.7	5.1
8/11/24	6:30 AM	4.6	5.1
8/11/24	6:45 AM	4.9	5.2
8/11/24	7:00 AM	4.8	5.2
8/11/24	7:15 AM	4.5	5.2
8/11/24	7:30 AM	4.5	5.1
8/11/24	7:45 AM	4.6	5.0
8/11/24	8:00 AM	4.6	4.9
8/11/24	8:15 AM	4.8	5.0
8/11/24	8:30 AM	5.0	4.9
8/11/24	8:45 AM	5.1	5.0
8/11/24	9:00 AM	5.0	5.0
8/11/24	9:15 AM	5.2	4.9
8/11/24	9:30 AM	5.1	4.9
8/11/24	9:45 AM	5.2	4.9
8/11/24	10:00 AM	5.0	4.9
8/11/24	10:15 AM	5.0	4.9
8/11/24	10:30 AM	5.0	4.9
8/11/24	10:45 AM	4.9	4.8
8/11/24	11:00 AM	5.0	4.8
8/11/24	11:15 AM	5.0	4.8
8/11/24	11:30 AM	5.1	4.9
8/11/24	11:45 AM	5.1	5.0
8/11/24	12:00 PM	5.1	5.1
8/11/24	12:15 PM	5.2	5.1
8/11/24	12:30 PM	5.2	5.2
8/11/24	12:45 PM	5.1	5.1
8/11/24	1:00 PM	5.2	5.1
8/11/24	1:15 PM	5.1	5.1
8/11/24	1:30 PM	5.2	5.1
8/11/24	1:45 PM	5.3	5.1
8/11/24	2:00 PM	5.2	4.8
8/11/24	2:15 PM	5.4	5.0
8/11/24	2:30 PM	5.4	5.0
8/11/24	2:45 PM	5.5	5.0
8/11/24	3:00 PM	5.5	5.0

Note: Data has not been validated

Table 8

**August 5 - August 11, 2024**

Date	Time	DO (mg/L)	
		Ambient	N 9SB
8/11/24	3:15 PM	5.5	5.0
8/11/24	3:30 PM	5.4	4.9
8/11/24	3:45 PM	5.4	5.1
8/11/24	4:00 PM	5.5	5.1
8/11/24	4:15 PM	5.5	5.2
8/11/24	4:30 PM	5.6	5.2
8/11/24	4:45 PM	5.7	5.2
8/11/24	5:00 PM	5.7	5.2
8/11/24	5:15 PM	5.7	5.1
8/11/24	5:30 PM	5.7	5.1
8/11/24	5:45 PM	5.8	5.3
8/11/24	6:00 PM	5.6	5.3
8/11/24	6:15 PM	5.8	5.3
8/11/24	6:30 PM	5.7	5.3
8/11/24	6:45 PM	5.4	5.2
8/11/24	7:00 PM	5.6	5.2
8/11/24	7:15 PM	5.4	5.2
8/11/24	7:30 PM	5.2	5.3
8/11/24	7:45 PM	5.3	5.3
8/11/24	8:00 PM	5.4	5.2
8/11/24	8:15 PM	5.4	5.2
8/11/24	8:30 PM	5.3	5.2
8/11/24	8:45 PM	5.3	5.1
8/11/24	9:00 PM	5.3	5.1
8/11/24	9:15 PM	5.2	5.1
8/11/24	9:30 PM	5.3	4.9
8/11/24	9:45 PM	5.4	5.0
8/11/24	10:00 PM	5.4	5.0
8/11/24	10:15 PM	5.4	4.8
8/11/24	10:30 PM	5.4	4.9
8/11/24	10:45 PM	5.4	0.0

Note: Data has not been validated