

Appendix 2.4 Impact Water Quality Monitoring Data

Contract No. DC/2022/02
 Drainage Improvement Works at Yuen Long -
 Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
 Water Quality Monitoring Result



Water Quality Monitoring Location: C1A

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C1A	20240417	Cloudy	15:00	6.91	90.5	7.34	0.05	29.60	8.35	6	/
C1A	20240417	Cloudy	15:00	7.03	92.3	7.36	0.05	29.50	8.13	6	/
C1A	20240419	Cloudy	13:20	7.53	96.9	7.30	0.05	29.80	7.98	33	/
C1A	20240419	Cloudy	13:21	7.52	96.8	7.30	0.05	29.80	7.82	32	/
C1A	20240423	Cloudy	16:35	7.15	86.8	8.21	0.09	25.10	9.36	21	/
C1A	20240423	Cloudy	16:35	7.12	86.3	8.21	0.09	25.10	9.58	16	/
C1A	20240425	Cloudy	16:47	7.09	87.9	7.87	0.11	26.30	4.92	9	/
C1A	20240425	Cloudy	16:47	7.06	87.6	7.86	0.11	26.30	5.26	9	/
C1A	20240427	Cloudy	12:47	7.63	97.0	8.08	0.10	27.70	4.59	5	/
C1A	20240427	Cloudy	12:48	7.60	96.6	8.05	0.10	27.70	4.32	5	/
C1A	20240429	Cloudy	16:52	7.28	92.2	8.02	0.14	27.50	7.06	11	/
C1A	20240429	Cloudy	16:53	7.26	91.9	8.01	0.14	27.50	7.17	15	/

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Water Quality Monitoring Location: C2

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C2	20240417	Cloudy	14:31	5.65	74.0	7.37	0.05	29.50	8.03	15	/
C2	20240417	Cloudy	14:31	5.63	73.9	7.36	0.05	29.50	8.13	13	/
C2	20240419	Cloudy	13:10	5.80	74.7	7.55	0.08	29.30	8.69	14	/
C2	20240419	Cloudy	13:11	5.84	77.2	7.61	0.08	29.30	8.58	16	/
C2	20240423	Cloudy	16:12	6.81	82.4	8.29	0.09	24.90	20.83	19	/
C2	20240423	Cloudy	16:13	6.79	82.1	8.29	0.09	24.90	20.62	16	/
C2	20240425	Cloudy	16:32	5.56	68.9	7.75	0.10	26.20	5.15	10	/
C2	20240425	Cloudy	16:32	5.55	68.7	7.75	0.10	26.20	5.08	8	/
C2	20240427	Cloudy	12:22	5.29	67.2	7.92	0.10	27.70	3.43	4	/
C2	20240427	Cloudy	12:22	5.09	64.7	7.95	0.10	27.70	3.6	6	/
C2	20240429	Cloudy	16:36	4.14	52.4	8.19	0.26	27.50	27.34	19	/
C2	20240429	Cloudy	16:37	4.11	51.9	8.18	0.26	27.30	26.48	26	/

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Water Quality Monitoring Location: C3A

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C3A	20240417	Cloudy	12:42	2.98	38.7	8.06	0.36	28.90	15.48	14	/
C3A	20240417	Cloudy	12:43	2.93	38.2	8.06	0.36	29.00	14.97	9	/
C3A	20240419	Cloudy	13:02	4.12	53.1	7.99	0.18	29.30	11.21	10	/
C3A	20240419	Cloudy	13:02	4.25	53.9	8.00	0.18	29.20	10.88	17	/
C3A	20240423	Cloudy	15:59	7.60	90.6	8.57	0.02	24.20	18.14	16	/
C3A	20240423	Cloudy	15:59	7.58	90.5	8.56	0.02	24.20	18.32	18	/
C3A	20240425	Cloudy	16:20	6.85	83.4	8.14	0.02	25.30	11.09	12	/
C3A	20240425	Cloudy	16:20	6.85	83.3	8.11	0.02	25.30	11.07	10	/
C3A	20240427	Cloudy	12:08	7.21	89.3	8.30	0.16	26.30	7.57	3	/
C3A	20240427	Cloudy	12:08	7.19	89.1	8.25	0.16	26.30	7.63	4	/
C3A	20240429	Cloudy	16:11	6.76	83.4	8.23	0.02	26.10	7.03	4	/
C3A	20240429	Cloudy	16:11	6.76	83.4	8.23	0.02	26.10	6.98	3	/

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Water Quality Monitoring Location: C6

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C6	20240403	Sunny	15:11	7.42	94.4	9.03	0.11	27.70	3.58	16	/
C6	20240403	Sunny	15:12	7.43	94.5	8.97	0.11	27.80	3.49	21	/
C6	20240405	Sunny	14:52	7.58	98.1	8.83	0.10	28.80	45.43	12	/
C6	20240405	Sunny	14:52	7.56	98.1	8.88	0.10	28.80	38.75	13	/
C6	20240408	Cloudy	15:06	7.75	93.0	7.95	0.08	24.50	3.00	2	/
C6	20240408	Cloudy	15:07	7.79	93.5	7.97	0.08	24.50	2.95	2	/
C6	20240410	Sunny	14:34	7.83	91.8	8.18	0.08	23.30	5.18	4	/
C6	20240410	Sunny	14:34	7.81	91.6	8.13	0.08	23.30	4.85	4	/
C6	20240412	Sunny	15:08	7.71	93.3	8.59	0.08	25.00	3.84	8	/
C6	20240412	Sunny	15:09	7.71	93.2	8.55	0.08	24.90	4.19	10	/
C6	20240415	Cloudy	11:04	6.77	81.3	8.68	0.26	26.80	29.38	9	/
C6	20240415	Cloudy	11:04	6.81	81.7	8.68	0.26	26.80	29.52	8	/
C6	20240417	Cloudy	11:06	5.66	68.4	8.67	0.19	26.80	29.83	32	/
C6	20240417	Cloudy	11:07	5.77	69.8	8.67	0.19	26.90	29.63	33	/
C6	20240419	Cloudy	11:33	4.62	59.5	8.17	0.21	28.40	8.36	15	/
C6	20240419	Cloudy	11:34	4.62	59.5	8.17	0.21	28.40	8.35	14	/
C6	20240423	Cloudy	14:07	7.80	92.7	8.49	0.11	24.00	10.29	26	/
C6	20240423	Cloudy	14:07	7.80	92.7	8.46	0.11	24.00	9.95	22	/
C6	20240425	Cloudy	14:55	7.60	92.3	8.28	0.07	25.20	4.14	6	/
C6	20240425	Cloudy	14:56	7.58	92.1	8.23	0.07	25.20	4.26	10	/
C6	20240427	Cloudy	10:23	5.12	64.9	7.96	0.10	27.50	6.33	11	/
C6	20240427	Cloudy	10:24	5.12	64.8	7.96	0.10	27.50	5.72	8	/
C6	20240429	Cloudy	14:30	7.25	88.6	8.31	0.08	25.50	4.36	1	/
C6	20240429	Cloudy	14:30	7.23	88.4	8.28	0.08	25.50	4.32	1	/

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Water Quality Monitoring Location: C7A

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C7A	20240403	Sunny	15:37	4.56	56.2	8.40	0.14	26.00	9.32	9	/
C7A	20240403	Sunny	15:37	4.41	54.4	8.35	0.14	26.00	9.69	9	/
C7A	20240405	Sunny	15:20	3.62	44.4	8.02	0.18	25.60	9.42	15	/
C7A	20240405	Sunny	15:21	3.54	43.4	8.01	0.18	25.60	10.51	10	/
C7A	20240408	Cloudy	15:44	4.86	59.5	7.92	0.13	25.60	7.84	7	/
C7A	20240408	Cloudy	15:44	4.81	58.8	7.83	0.13	25.60	7.83	6	/
C7A	20240410	Sunny	14:59	5.70	69.9	8.09	0.13	25.70	7.85	5	/
C7A	20240410	Sunny	15:00	5.66	69.4	8.07	0.13	25.70	7.63	7	/
C7A	20240412	Sunny	15:32	5.33	68.3	8.31	0.16	28.20	14.94	13	/
C7A	20240412	Sunny	15:33	5.24	67.2	8.30	0.16	28.20	15.02	12	/
C7A	20240415	Cloudy	11:26	4.65	59.7	8.16	0.21	28.20	8.18	33	/
C7A	20240415	Cloudy	11:26	4.65	59.7	8.16	0.21	28.20	8.88	38	/
C7A	20240417	Cloudy	11:29	4.63	59.5	8.16	0.21	28.30	8.05	20	/
C7A	20240417	Cloudy	11:30	4.62	59.5	8.16	0.21	28.30	7.95	26	/
C7A	20240419	Cloudy	11:44	4.19	53.2	8.05	0.24	27.50	11.44	11	/
C7A	20240419	Cloudy	11:45	4.24	53.8	8.05	0.24	27.50	11.00	14	/
C7A	20240423	Cloudy	14:36	6.36	76.7	8.08	0.14	24.80	20.82	22	/
C7A	20240423	Cloudy	14:37	6.38	76.9	8.09	0.14	24.80	20.58	33	/
C7A	20240425	Cloudy	15:28	5.92	73.1	7.97	0.14	26.10	15.27	33	/
C7A	20240425	Cloudy	15:29	5.89	72.7	7.93	0.14	26.10	16.44	38	/
C7A	20240427	Cloudy	10:51	5.06	64.2	7.95	0.10	27.50	4.81	4	/
C7A	20240427	Cloudy	10:51	5.06	64.2	7.95	0.10	27.50	4.79	7	/
C7A	20240429	Cloudy	15:03	5.40	68.3	8.04	0.14	27.40	8.61	8	/
C7A	20240429	Cloudy	15:03	5.37	67.9	8.02	0.14	27.40	8.77	10	/

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Water Quality Monitoring Location: C8

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C8	20240403	Sunny	15:54	7.19	87.9	8.20	0.15	25.50	5.28	7	/
C8	20240403	Sunny	15:54	6.53	79.9	8.17	0.16	25.50	5.56	6	/
C8	20240405	Sunny	15:45	6.91	84.2	7.98	0.00	25.40	6.23	14	/
C8	20240405	Sunny	15:45	6.80	82.7	7.90	0.00	25.30	5.78	13	/
C8	20240408	Cloudy	16:09	6.19	75.6	7.87	0.17	25.40	6.97	6	/
C8	20240408	Cloudy	16:09	5.75	70.3	7.87	0.17	25.40	6.95	4	/
C8	20240410	Sunny	15:18	6.50	78.6	7.94	0.16	25.00	6.90	6	/
C8	20240410	Sunny	15:19	6.37	77.2	7.93	0.16	25.00	7.06	7	/
C8	20240412	Sunny	15:58	6.05	76.3	8.08	0.16	27.20	6.56	2	/
C8	20240412	Sunny	15:58	6.17	77.7	8.09	0.16	27.20	6.54	3	/
C8	20240415	Cloudy	11:40	5.86	70.3	8.00	0.24	27.20	10.39	7	/
C8	20240415	Cloudy	11:40	5.78	69.4	8.00	0.24	27.20	10.25	5	/
C8	20240417	Cloudy	11:42	5.81	70.2	8.02	0.24	27.40	6.07	21	/
C8	20240417	Cloudy	11:43	5.64	68.2	8.02	0.24	27.50	5.94	22	/
C8	20240419	Cloudy	12:46	5.54	73.2	7.30	0.05	29.90	8.37	16	/
C8	20240419	Cloudy	12:47	5.53	73.1	7.30	0.05	29.90	8.25	14	/
C8	20240423	Cloudy	15:10	7.67	93.4	8.15	0.10	25.30	5.76	14	/
C8	20240423	Cloudy	15:10	7.67	93.4	8.16	0.10	25.30	5.85	11	/
C8	20240425	Cloudy	15:46	7.30	89.5	8.04	0.09	25.80	7.70	32	/
C8	20240425	Cloudy	15:46	7.37	90.6	8.04	0.09	25.70	7.49	41	/
C8	20240427	Cloudy	11:21	6.11	77.7	7.94	0.10	27.70	7.72	10	/
C8	20240427	Cloudy	11:21	6.10	77.6	7.95	0.10	27.70	7.38	9	/
C8	20240429	Cloudy	15:30	5.55	69.5	8.02	0.10	26.90	11.26	22	/
C8	20240429	Cloudy	15:30	5.53	69.3	8.00	0.10	26.90	11.21	22	/

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Water Quality Monitoring Location: C9

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C9	20240403	Sunny	14:23	7.21	85.8	9.19	0.16	24.00	18.64	41	/
C9	20240403	Sunny	14:24	7.18	85.5	9.03	0.16	24.00	18.26	43	/
C9	20240405	Sunny	13:55	7.19	85.5	8.42	0.09	24.10	6.35	36	/
C9	20240405	Sunny	13:56	7.17	85.2	8.38	0.09	24.10	6.77	34	/
C9	20240408	Cloudy	14:11	7.14	84.9	8.29	0.08	24.00	6.85	6	/
C9	20240408	Cloudy	14:12	7.09	84.2	8.23	0.08	23.90	6.99	8	/
C9	20240410	Sunny	13:44	7.33	84.7	8.10	0.08	22.50	5.93	10	/
C9	20240410	Sunny	13:45	7.32	84.6	8.07	0.08	22.50	5.46	12	/
C9	20240412	Sunny	14:11	7.10	84.3	8.77	0.28	23.90	2.96	2	/
C9	20240412	Sunny	14:12	7.06	83.9	8.71	0.25	23.90	3.29	2	/
C9	20240415	Cloudy	10:20	6.84	82.1	8.15	0.08	24.60	5.65	24	/
C9	20240415	Cloudy	10:20	6.82	81.9	8.12	0.08	24.60	5.57	15	/
C9	20240417	Cloudy	10:21	6.73	81.3	7.94	0.09	24.90	3.58	16	/
C9	20240417	Cloudy	10:21	6.73	81.4	7.93	0.09	25.00	3.39	14	/
C9	20240419	Cloudy	10:34	3.18	39.9	7.75	0.15	26.90	8.00	18	/
C9	20240419	Cloudy	10:34	3.18	39.9	7.75	0.15	27.00	7.28	19	/
C9	20240423	Cloudy	13:13	7.60	89.9	8.82	0.27	23.70	10.22	7	/
C9	20240423	Cloudy	13:13	7.61	89.8	8.80	0.27	23.60	10.46	8	/
C9	20240425	Cloudy	14:00	7.32	87.7	8.27	0.08	24.40	5.15	3	/
C9	20240425	Cloudy	14:01	7.32	87.6	8.24	0.08	24.40	5.19	4	/
C9	20240427	Cloudy	9:28	6.95	85.6	8.33	0.14	25.90	7.11	7	/
C9	20240427	Cloudy	9:29	6.95	85.6	8.32	0.14	25.90	7.13	6	/
C9	20240429	Cloudy	13:48	7.18	86.8	8.38	0.09	24.90	2.32	23	/
C9	20240429	Cloudy	13:48	7.17	86.7	8.37	0.09	24.90	2.36	33	/

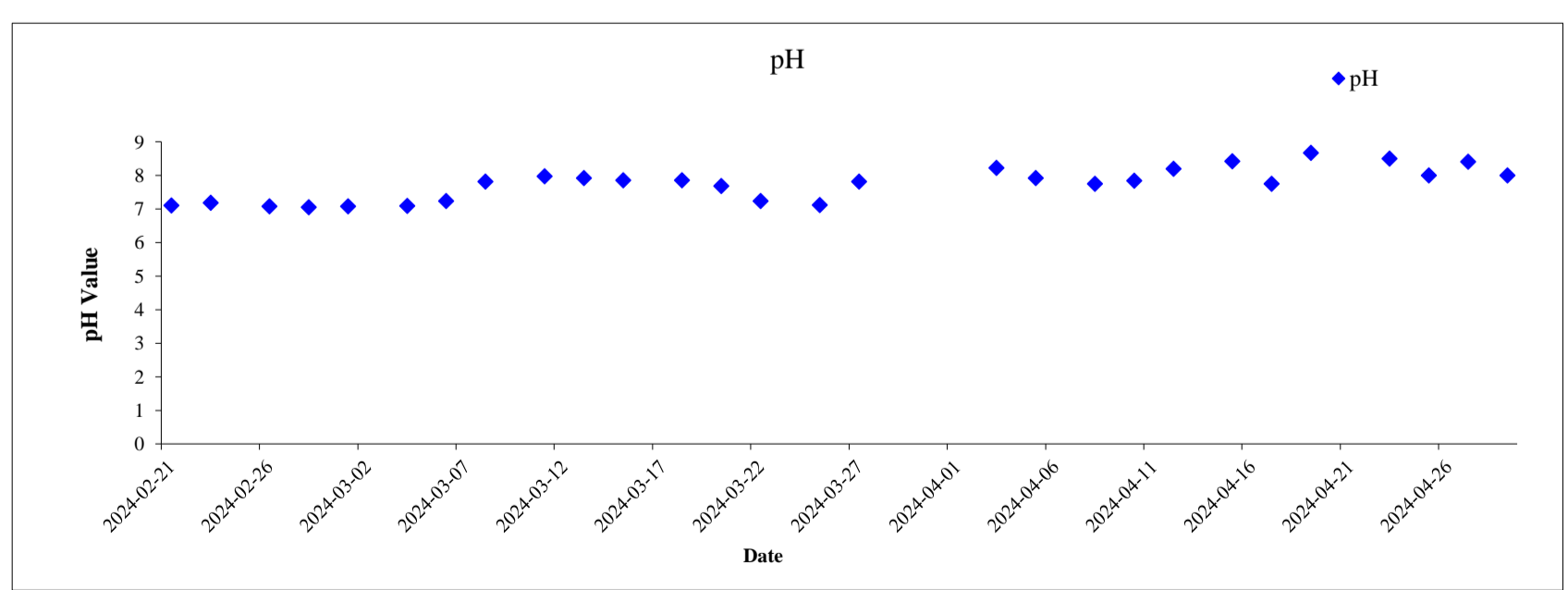
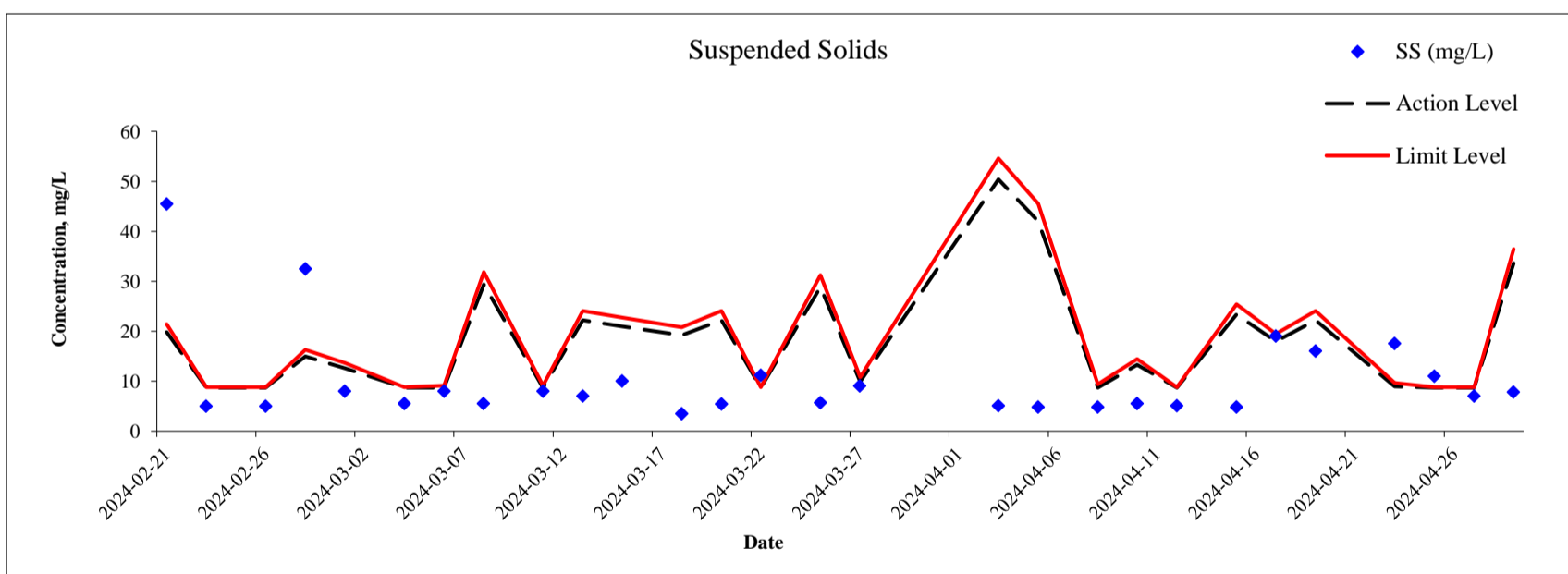
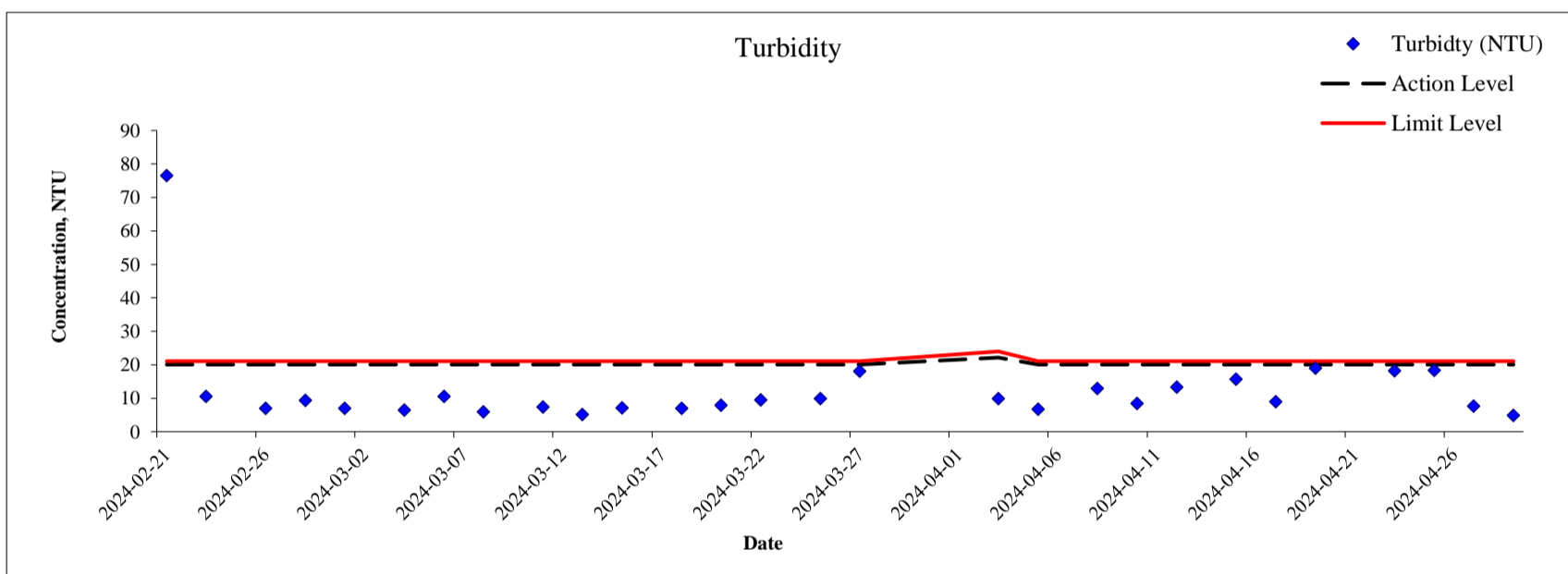
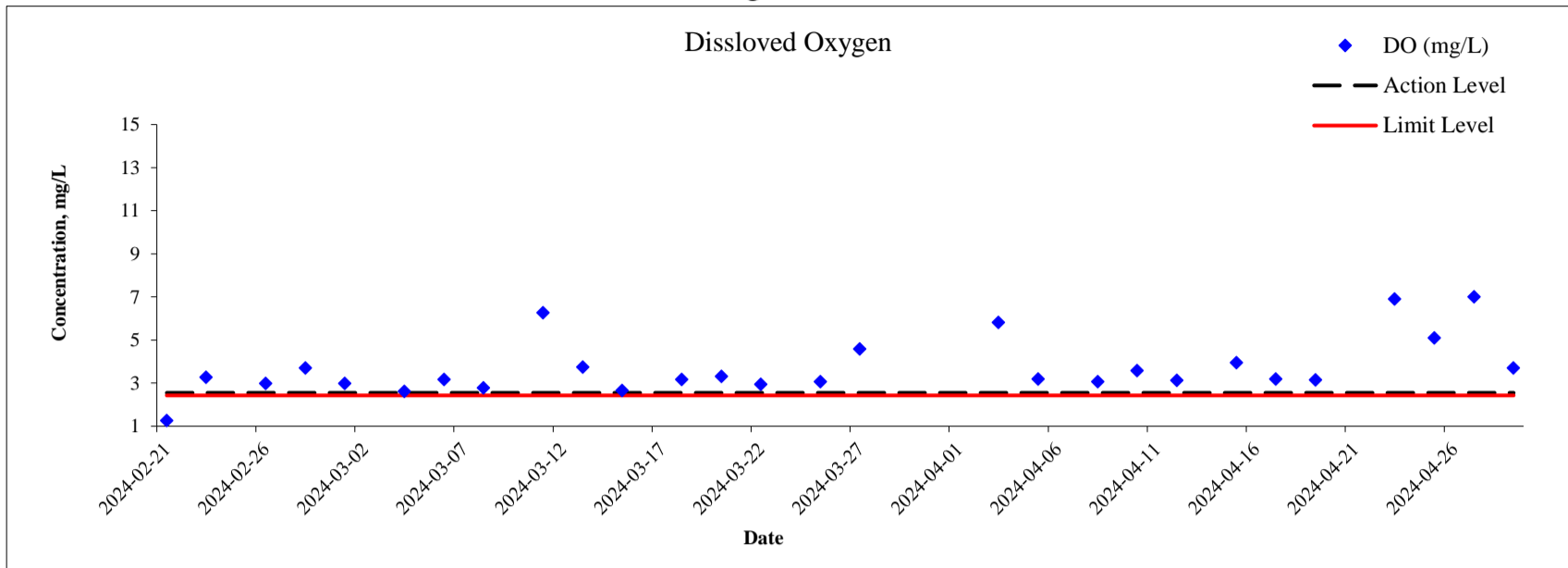
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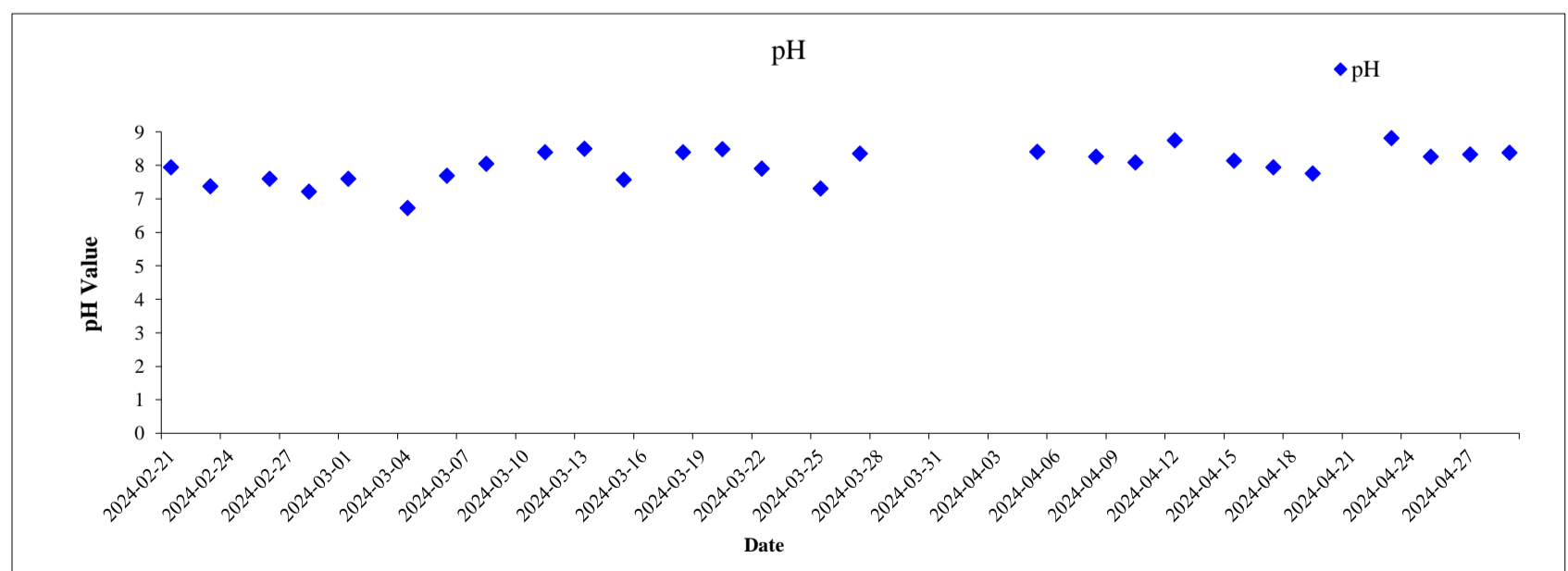
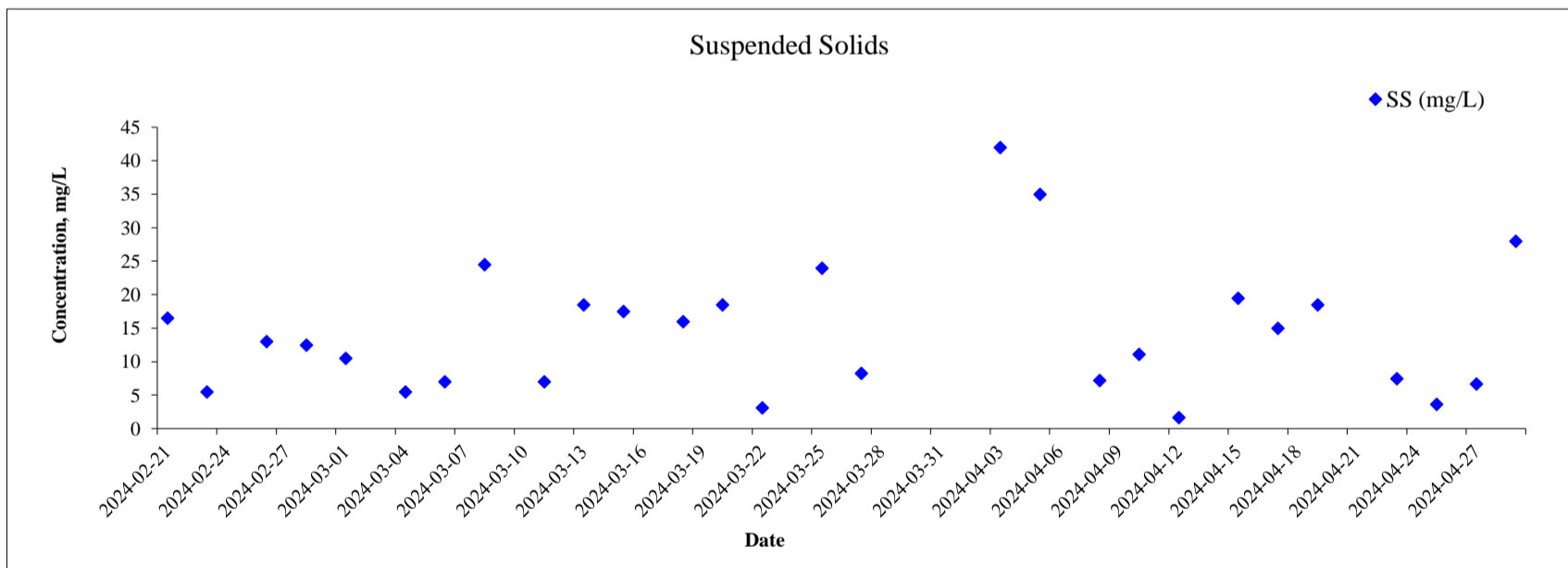
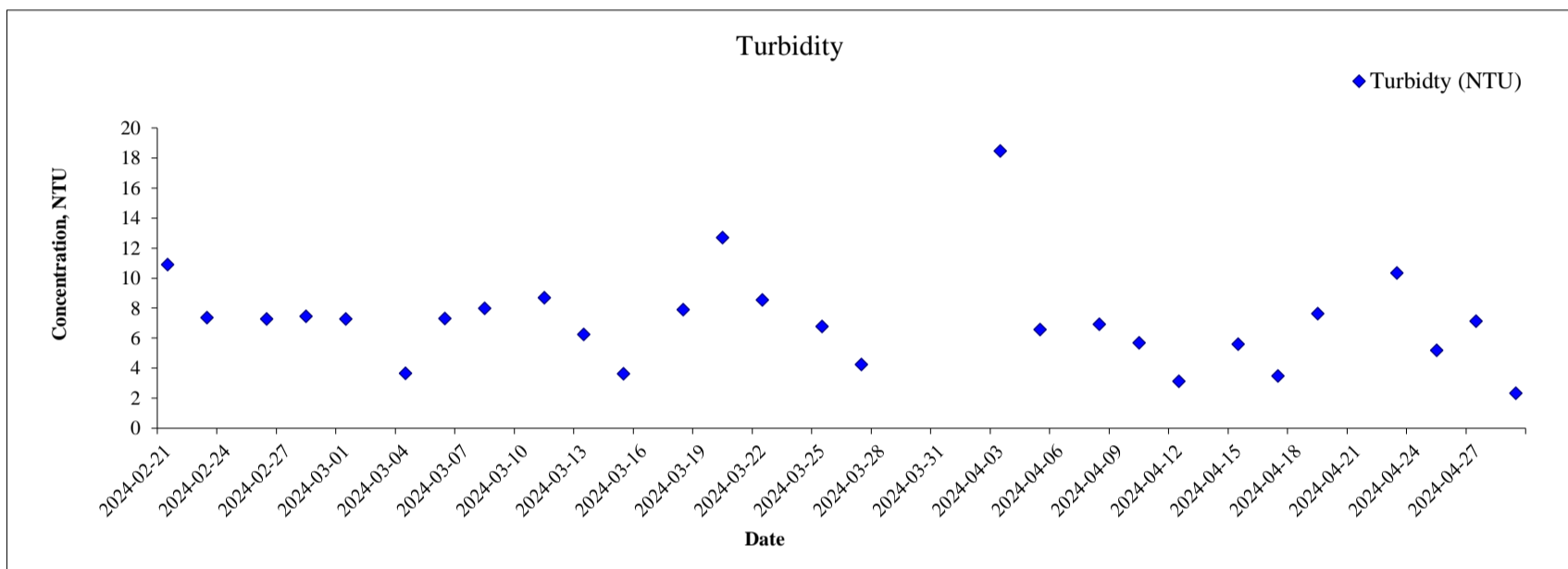
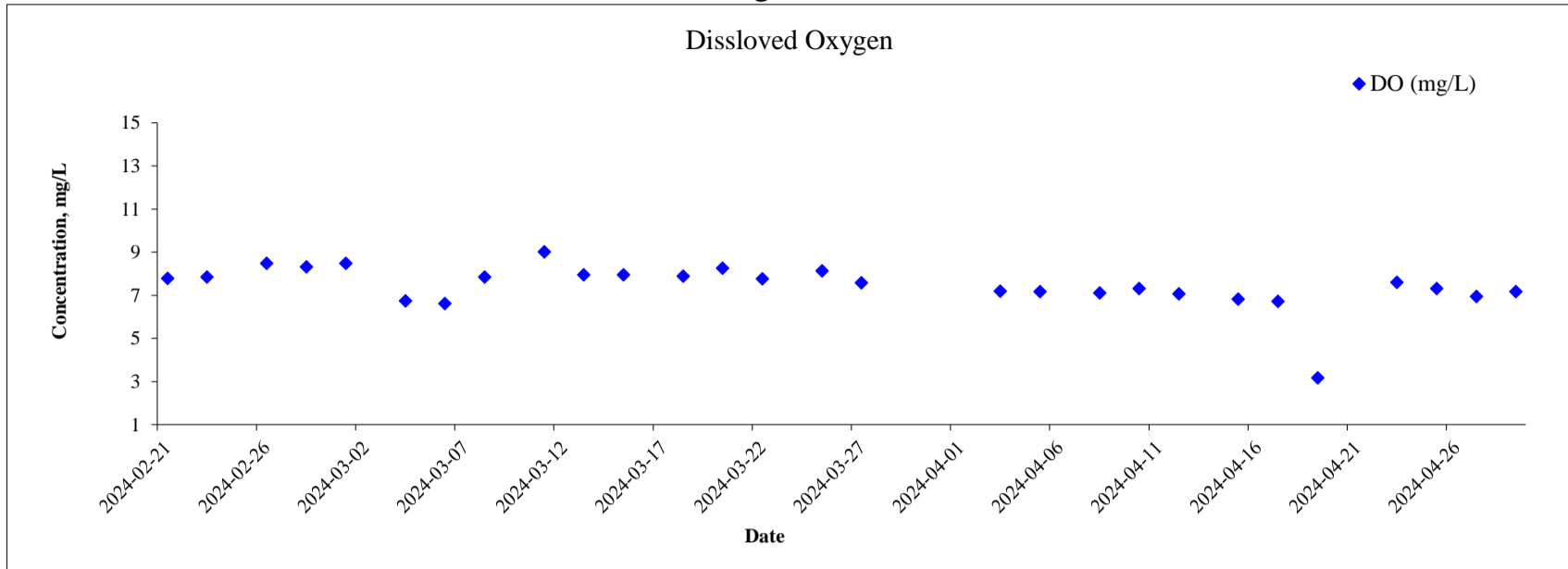
Water Quality Monitoring Location: C10

Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS (mg/L)	Remark
C10	20240403	Sunny	14:40	5.90	71.6	8.22	0.15	25.20	9.68	5	/
C10	20240403	Sunny	14:41	5.71	69.3	8.22	0.15	25.20	10.17	5	/
C10	20240405	Sunny	14:13	3.21	39.2	7.93	0.15	25.40	6.83	5	/
C10	20240405	Sunny	14:13	3.16	38.6	7.91	0.15	25.40	6.76	5	/
C10	20240408	Cloudy	14:34	3.13	38.2	7.76	0.14	25.50	12.52	5	/
C10	20240408	Cloudy	14:34	2.98	33.4	7.75	0.14	25.50	13.57	5	/
C10	20240410	Sunny	14:06	3.61	44.0	7.85	0.15	25.30	8.66	5	/
C10	20240410	Sunny	14:06	3.52	42.9	7.83	0.15	25.30	8.25	7	/
C10	20240412	Sunny	14:32	3.18	40.3	8.22	0.15	27.50	13.43	5	/
C10	20240412	Sunny	14:33	3.05	38.7	8.18	0.15	27.50	13.34	6	/
C10	20240415	Cloudy	10:41	3.88	46.6	8.44	0.14	24.20	15.69	6	/
C10	20240415	Cloudy	10:41	3.99	47.9	8.41	0.14	24.20	15.78	4	/
C10	20240417	Cloudy	10:34	3.2	40.0	7.75	0.15	26.90	9.17	22	/
C10	20240417	Cloudy	10:34	3.19	40.0	7.75	0.15	26.90	8.91	16	/
C10	20240419	Cloudy	11:10	3.14	39.4	8.67	0.26	26.90	18.49	12	/
C10	20240419	Cloudy	11:10	3.13	39.3	8.67	0.26	26.90	19.50	20	/
C10	20240423	Cloudy	13:31	6.91	81.8	8.52	0.12	23.80	18.39	19	/
C10	20240423	Cloudy	13:31	6.89	81.6	8.49	0.12	23.80	18.19	16	/
C10	20240425	Cloudy	14:28	5.12	63.2	8.02	0.12	26.00	18.35	12	/
C10	20240425	Cloudy	14:28	5.07	62.6	7.99	0.12	26.00	18.47	10	/
C10	20240427	Cloudy	9:46	7.02	86.2	8.42	0.02	25.80	7.68	6	/
C10	20240427	Cloudy	9:46	7	86.0	8.41	0.02	25.80	7.64	8	/
C10	20240429	Cloudy	14:03	3.74	46.3	8.03	0.12	26.20	5.00	7	/
C10	20240429	Cloudy	14:03	3.64	45.1	7.98	0.12	26.20	4.81	9	/

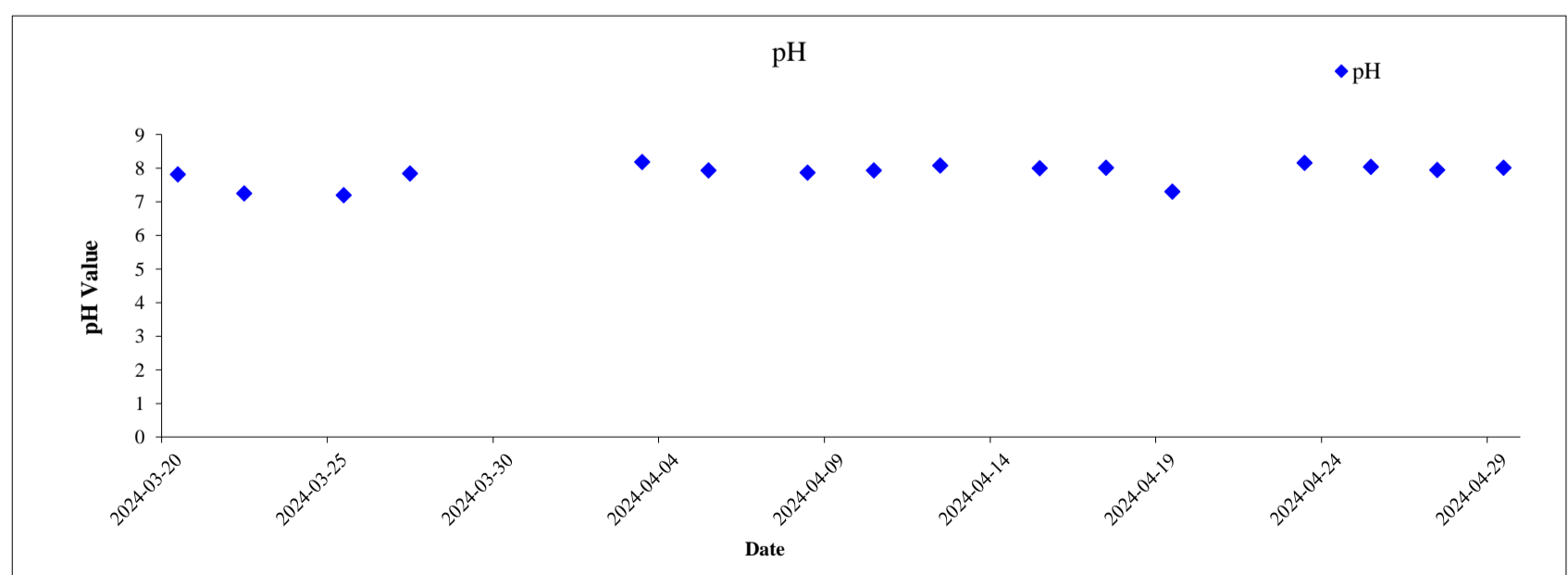
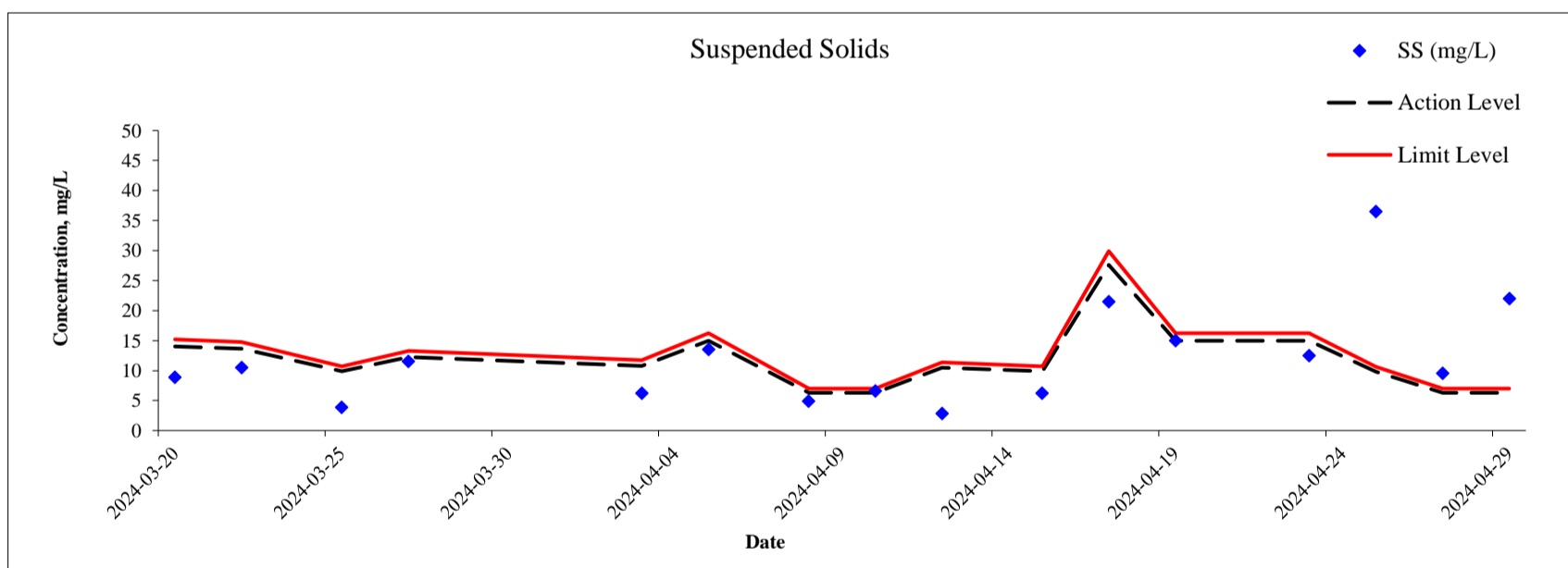
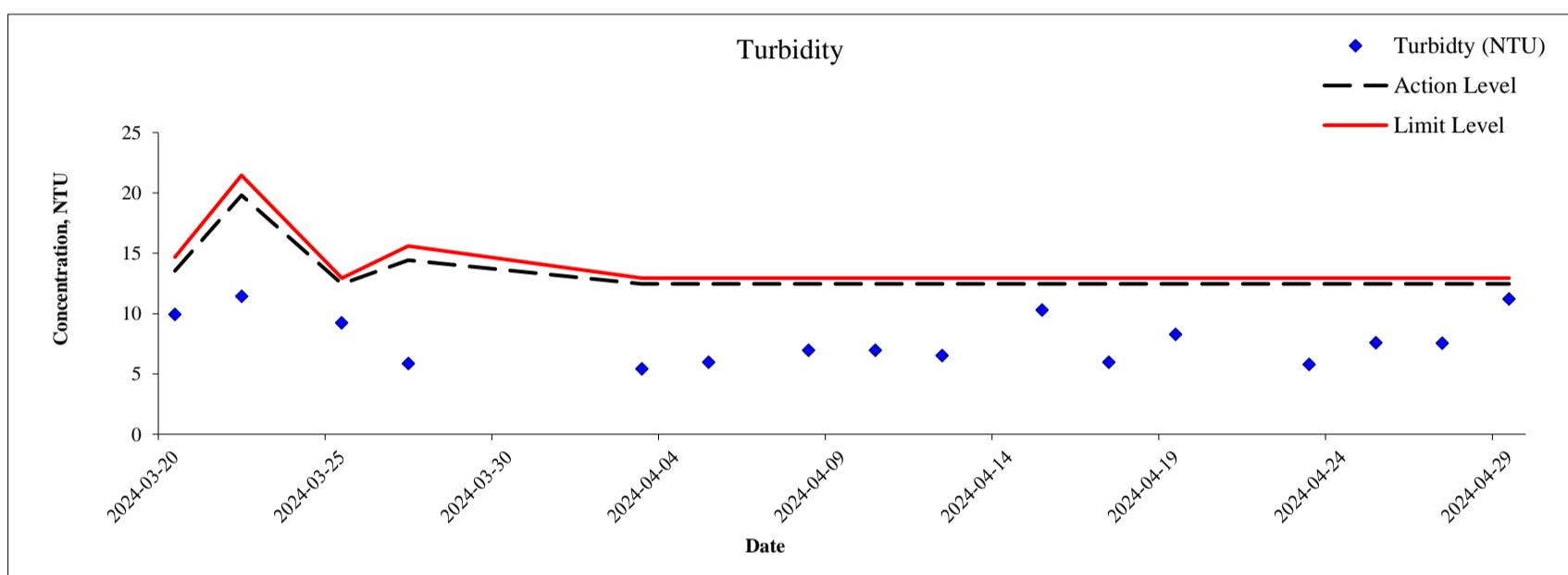
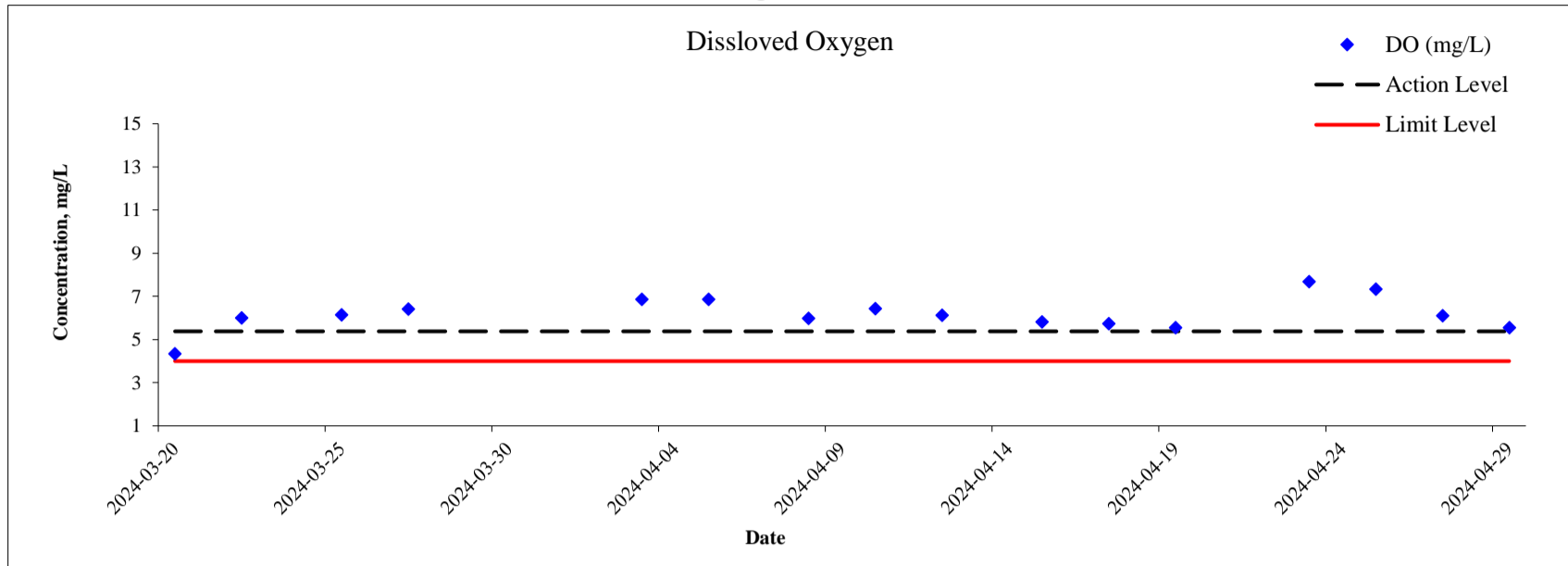
Monitoring Location: C10



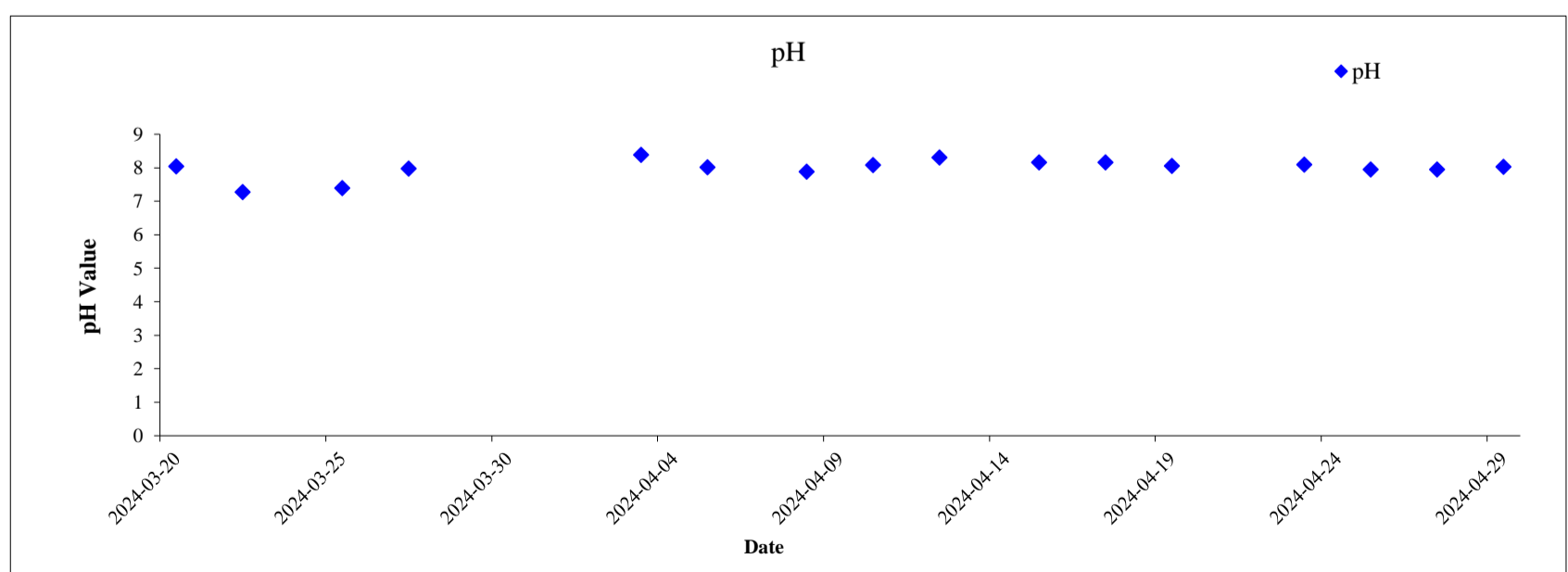
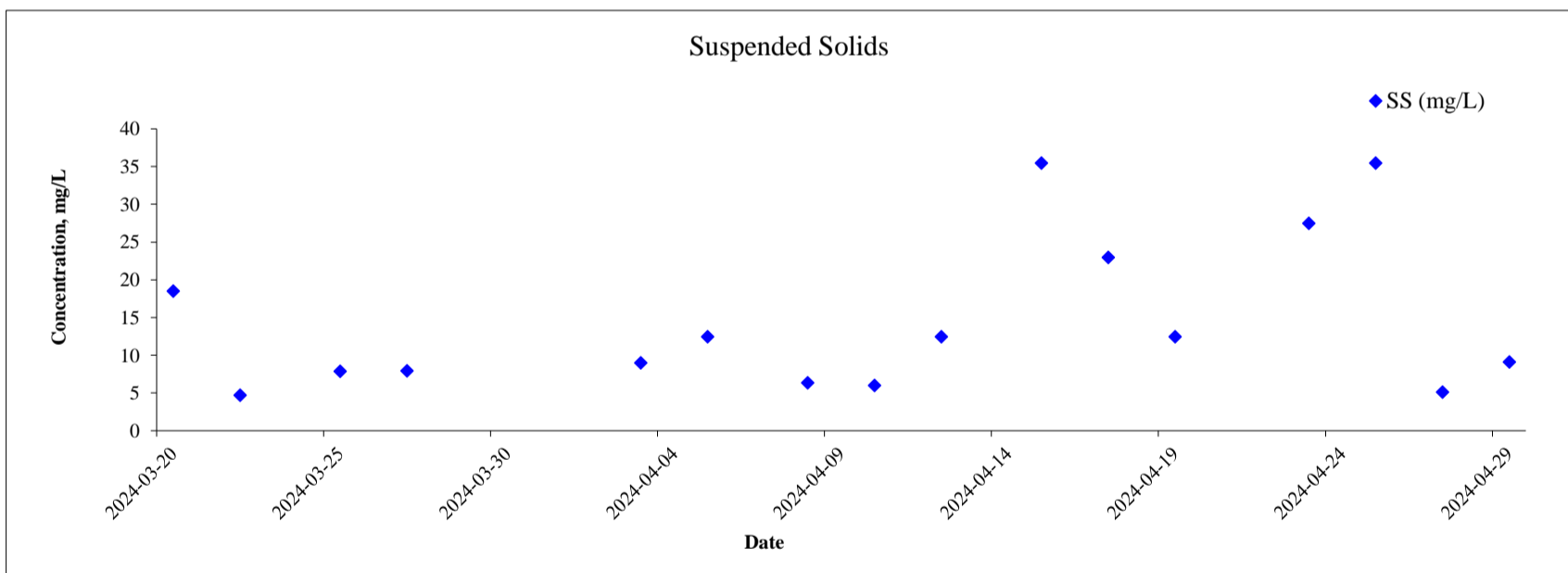
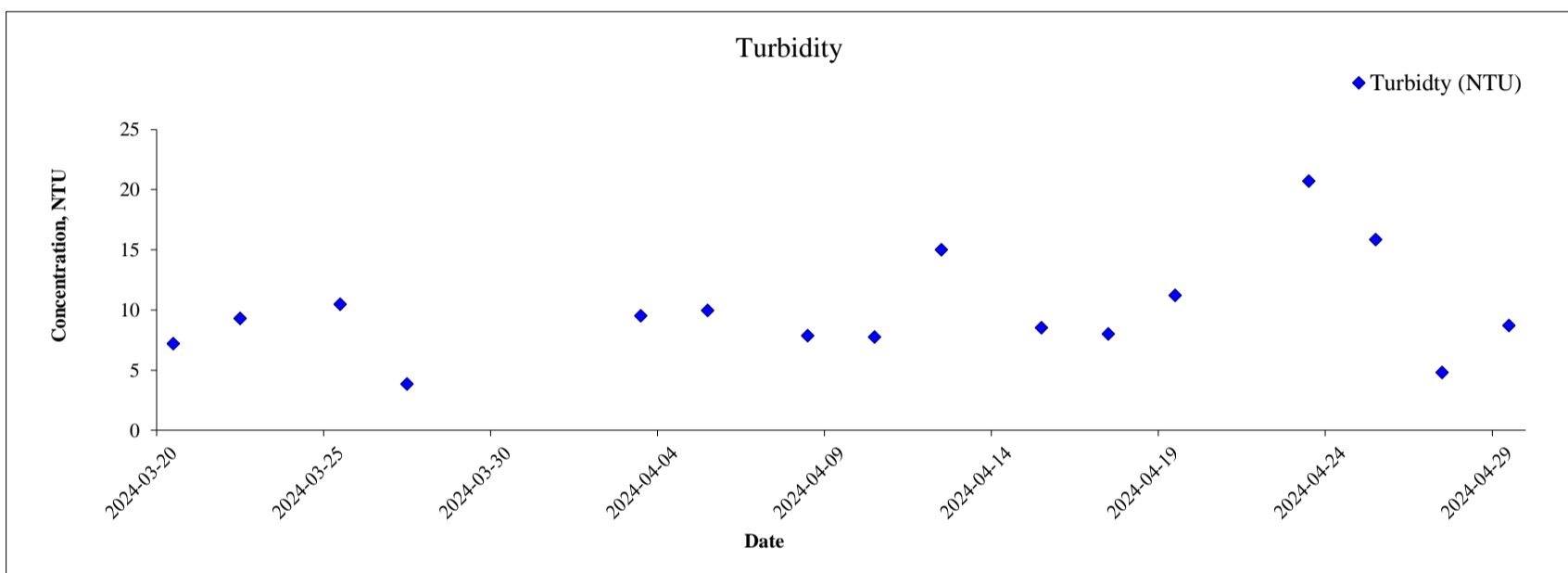
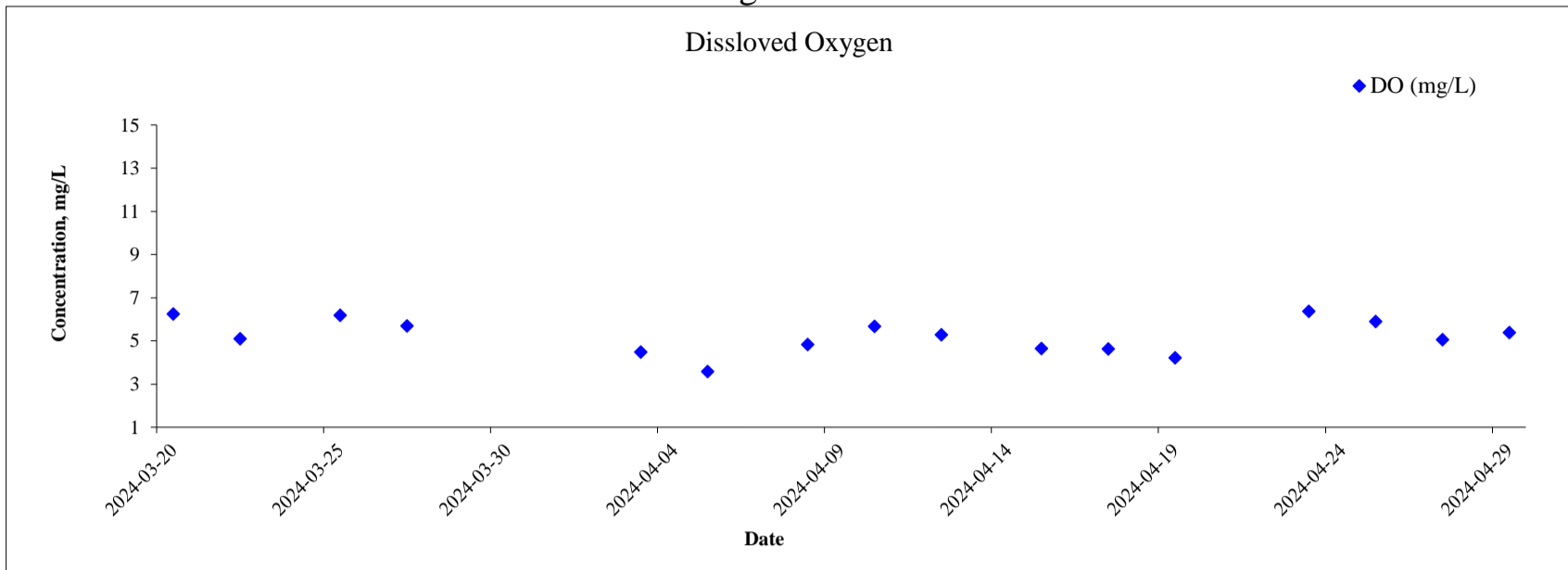
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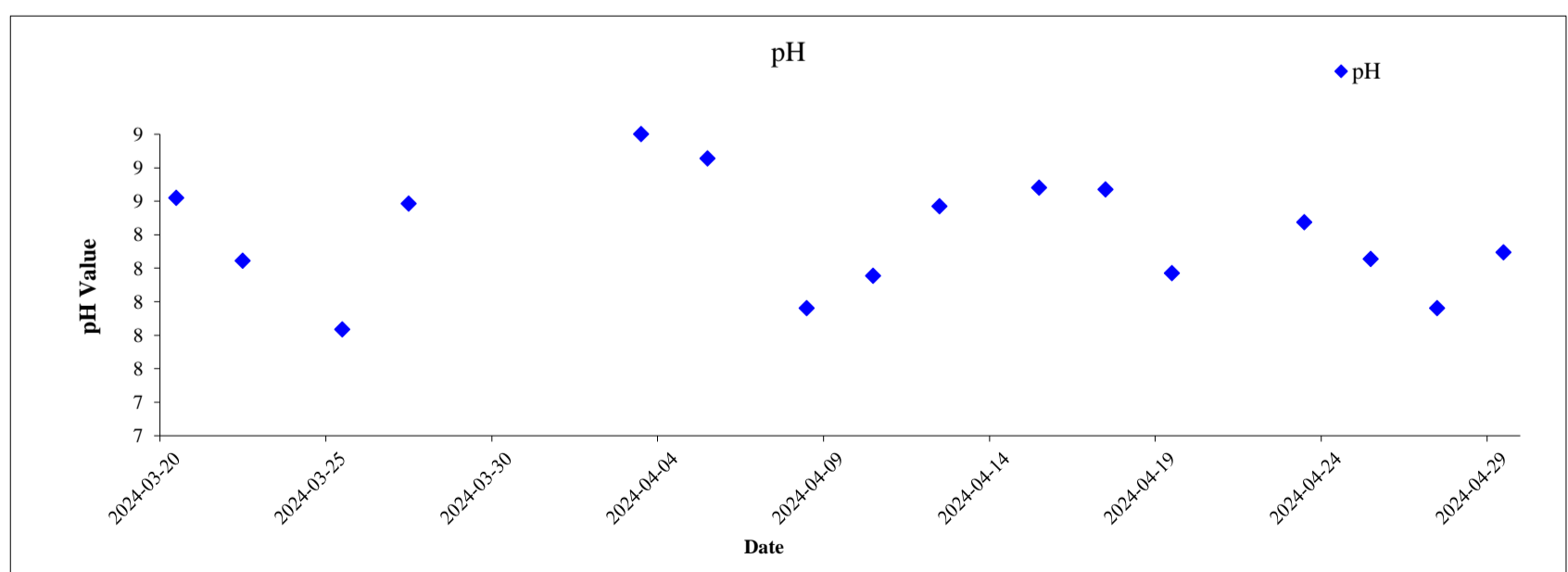
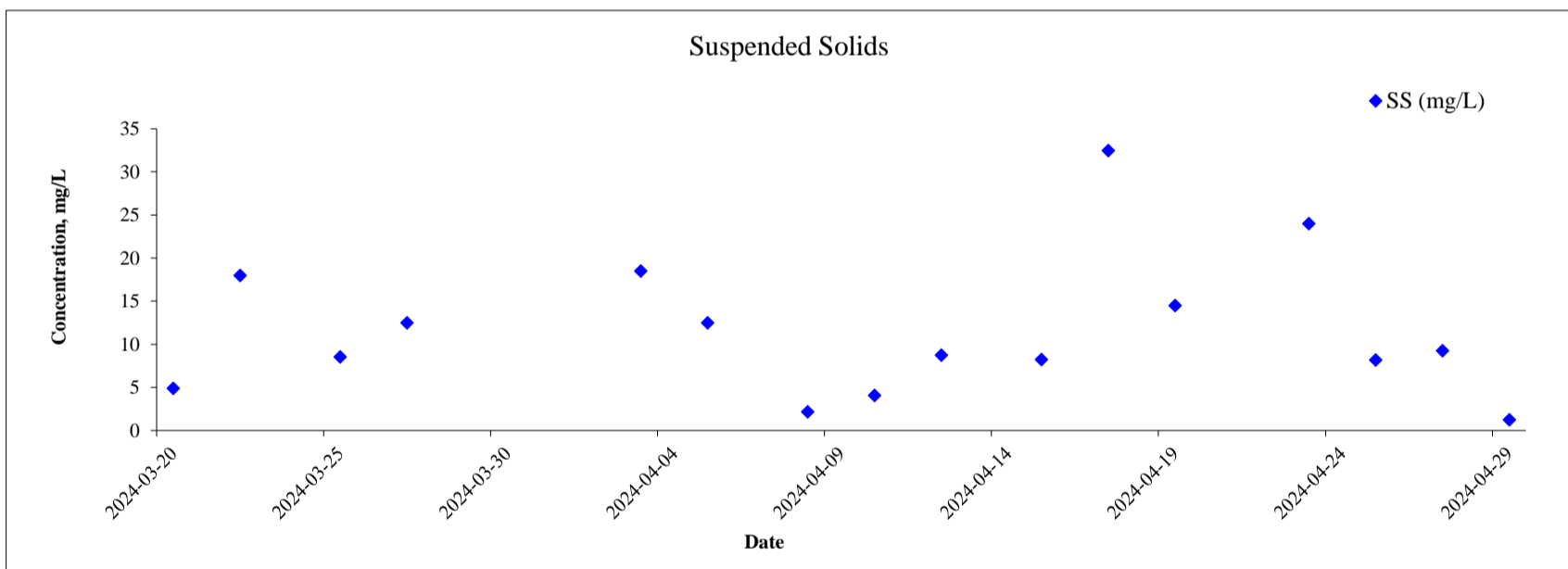
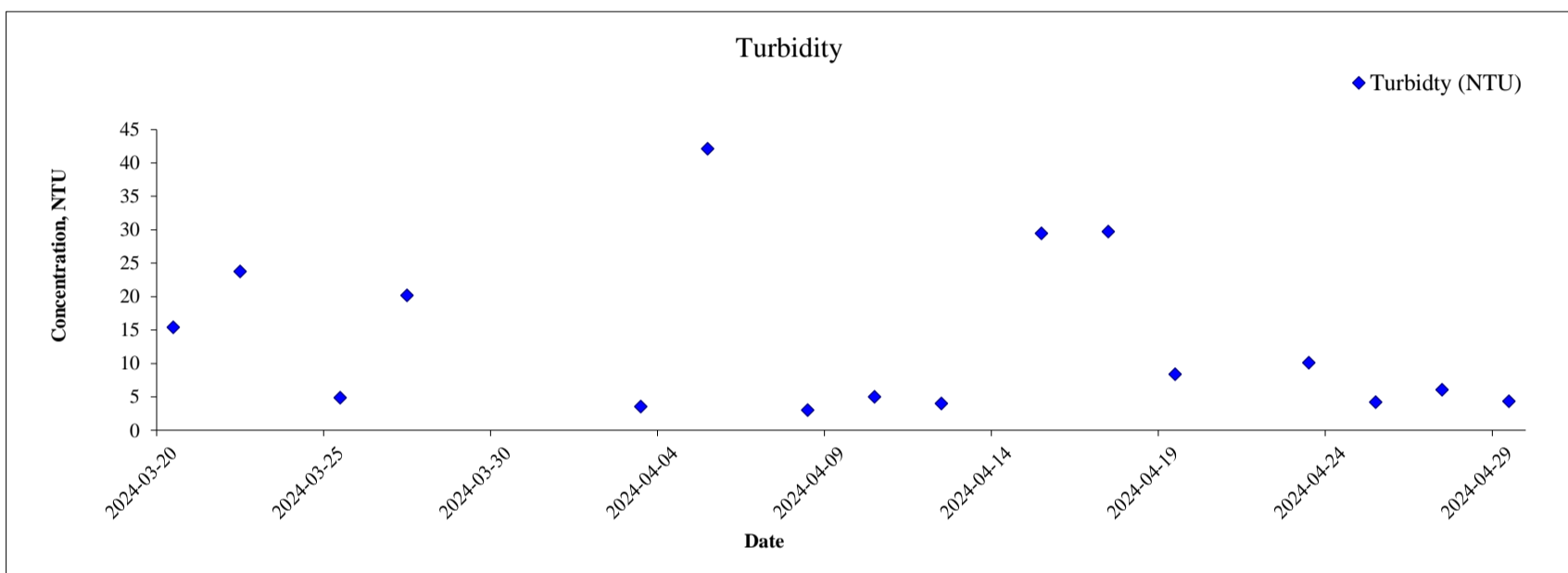
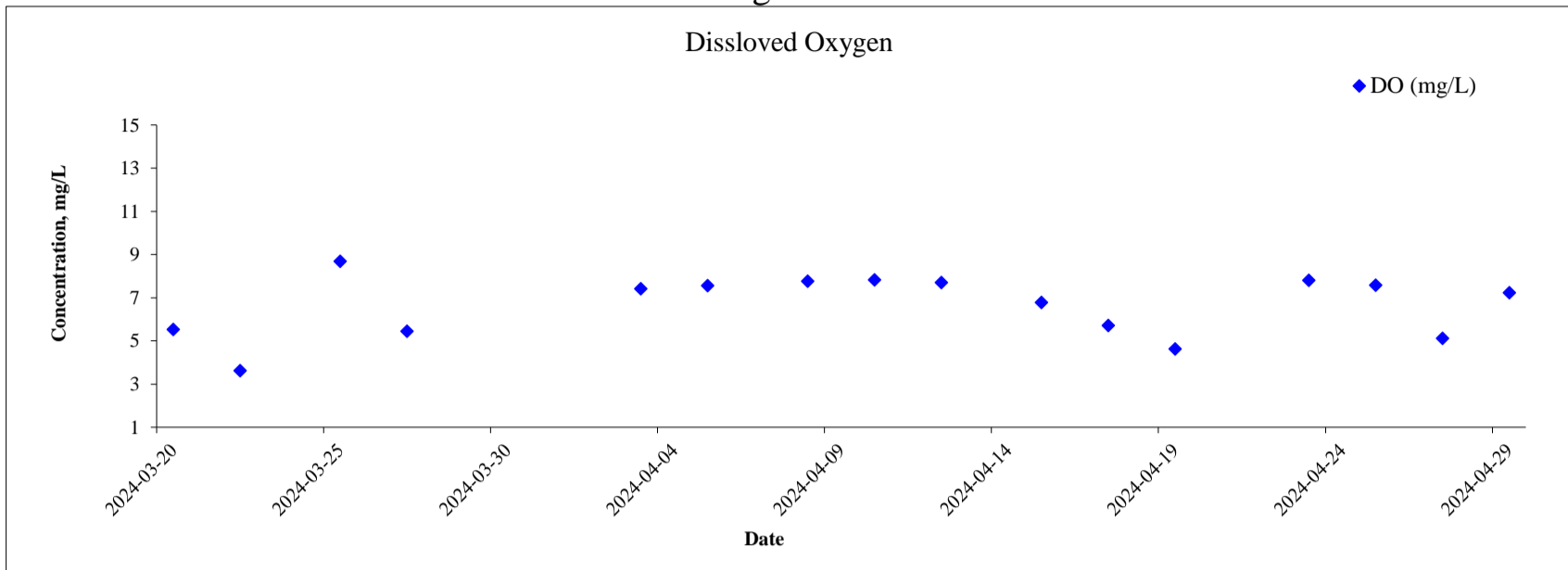
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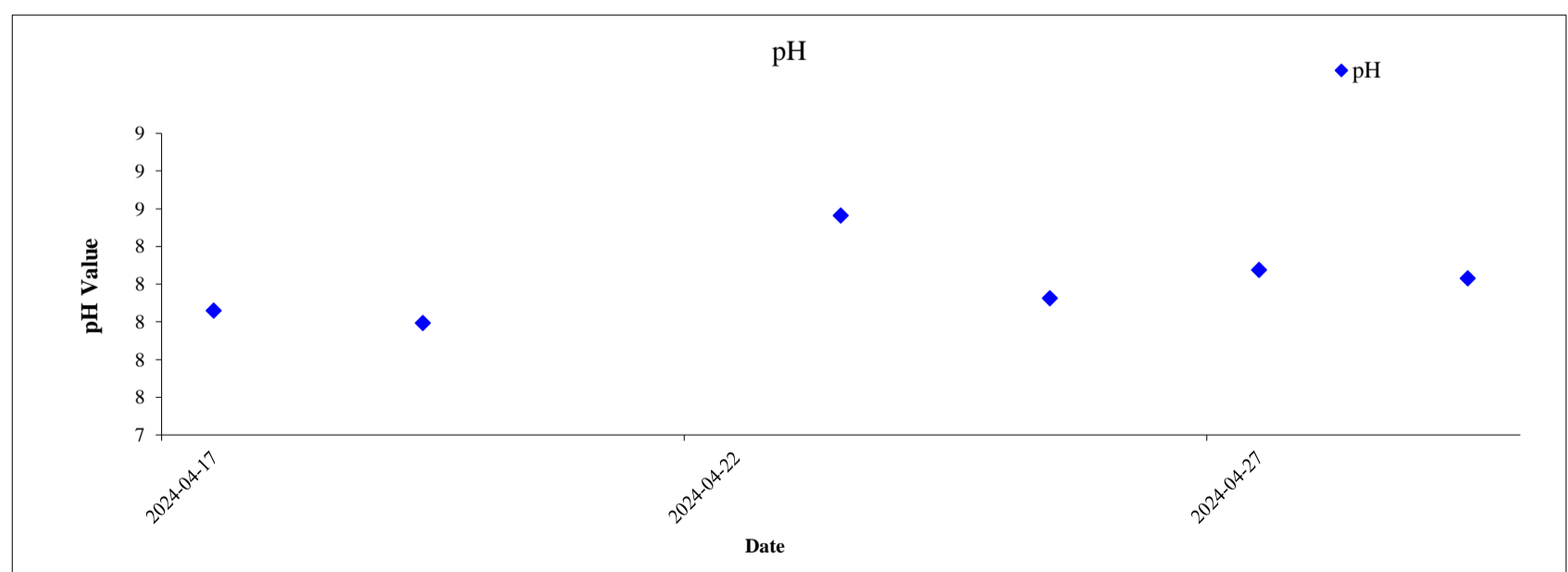
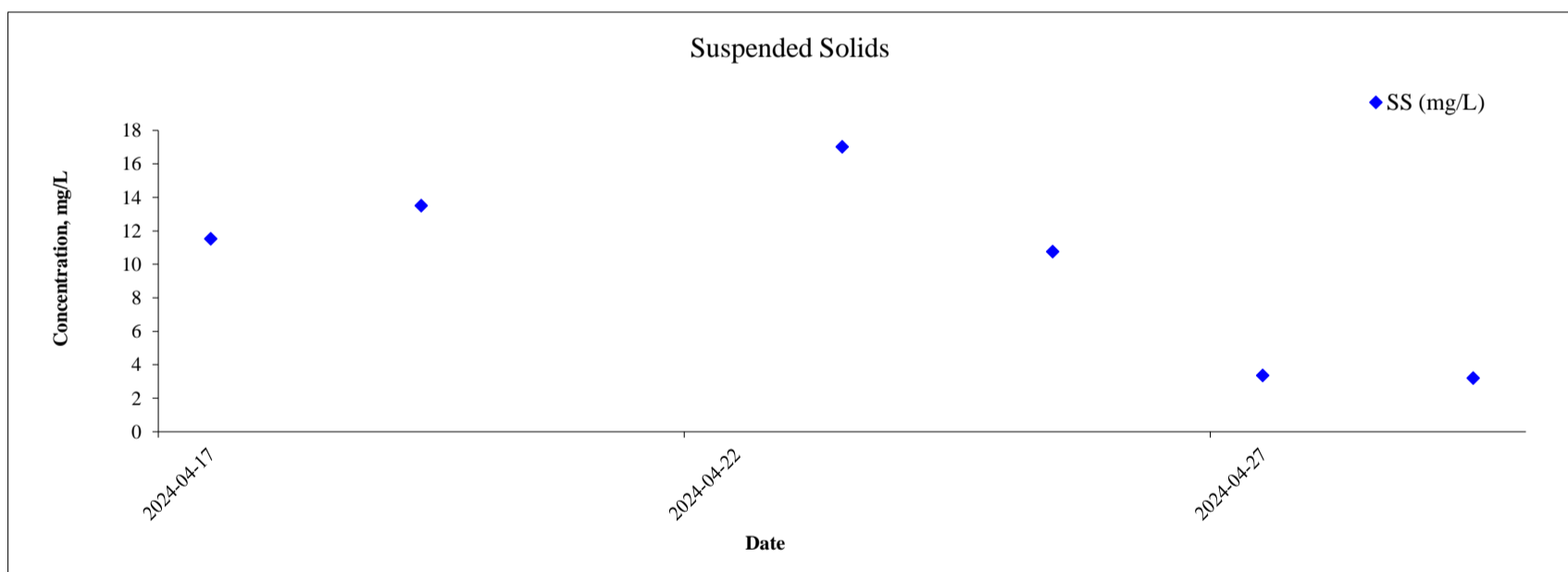
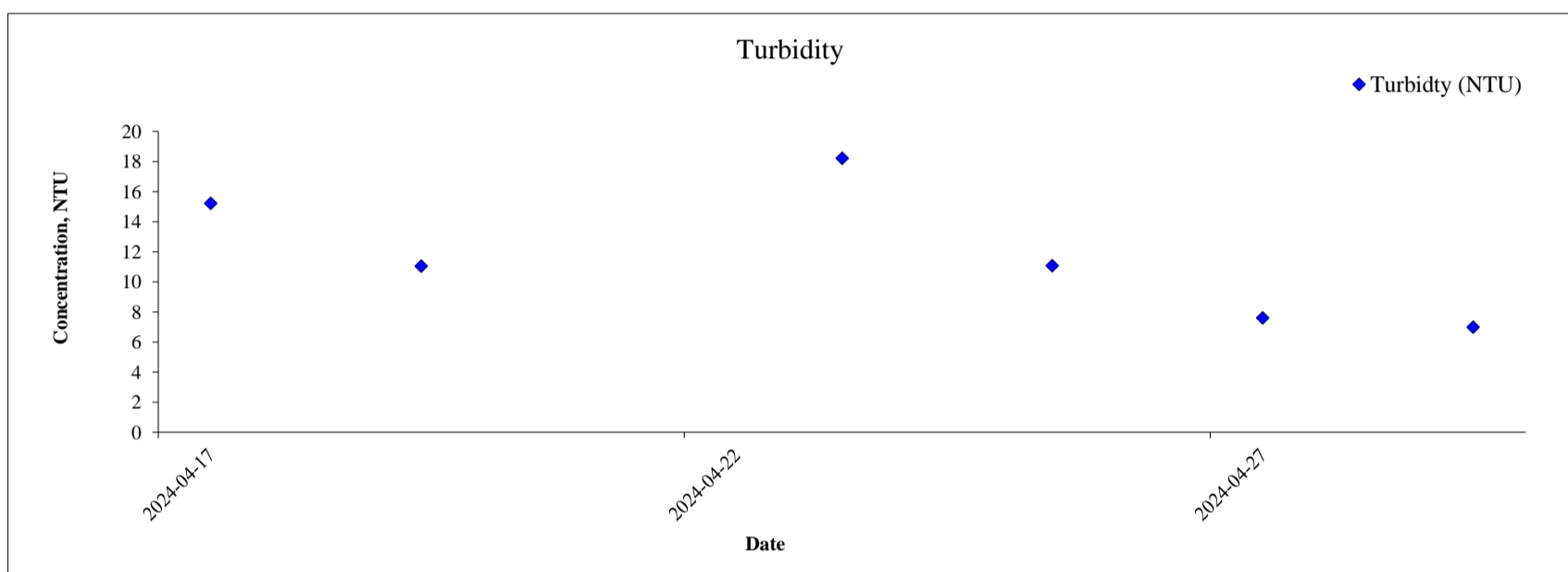
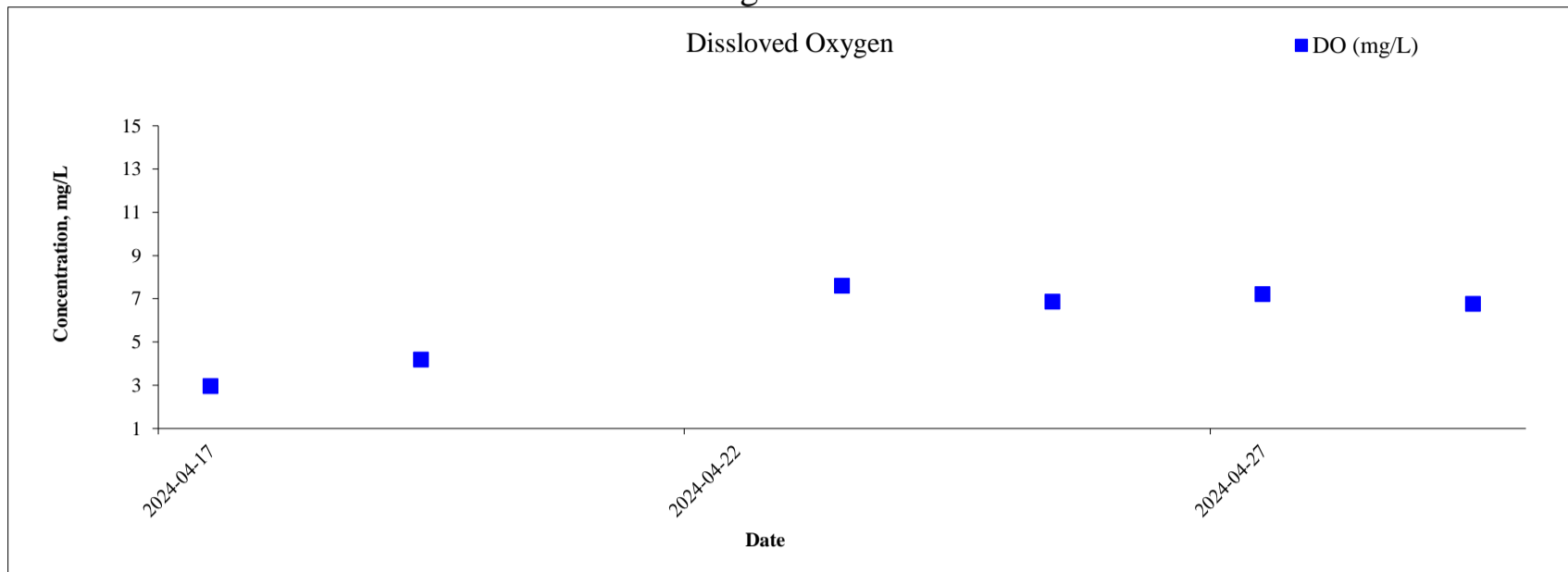
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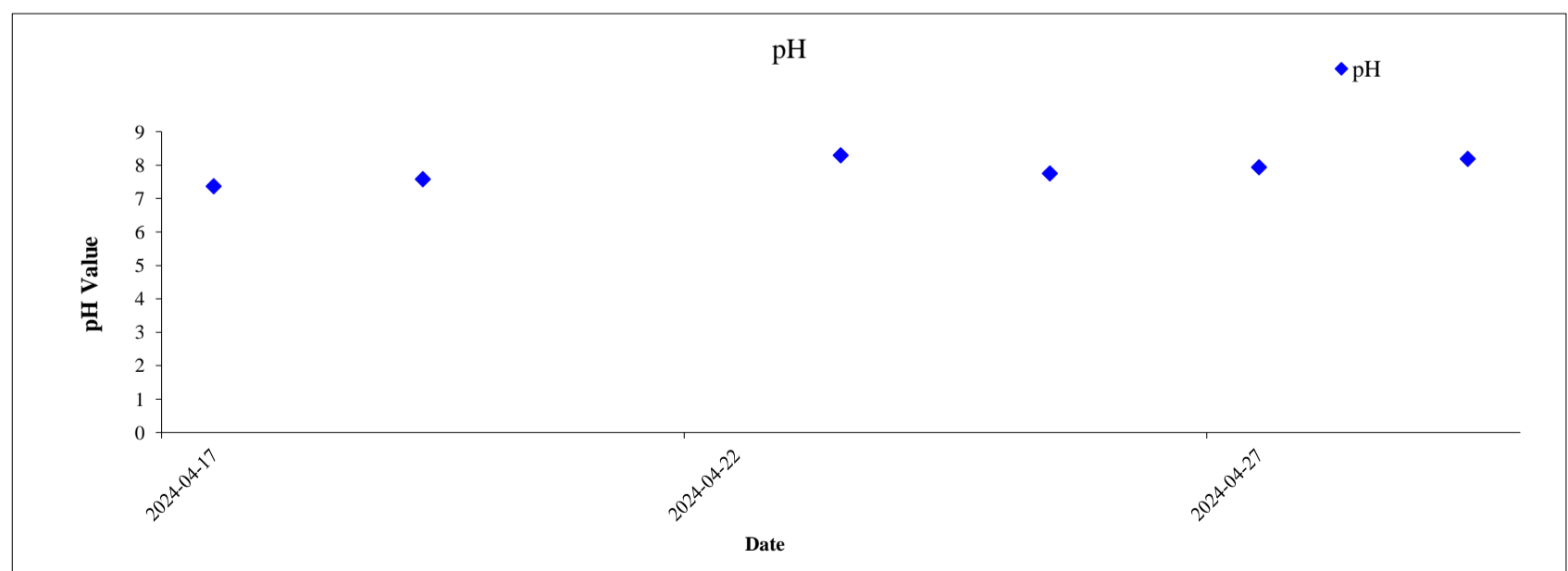
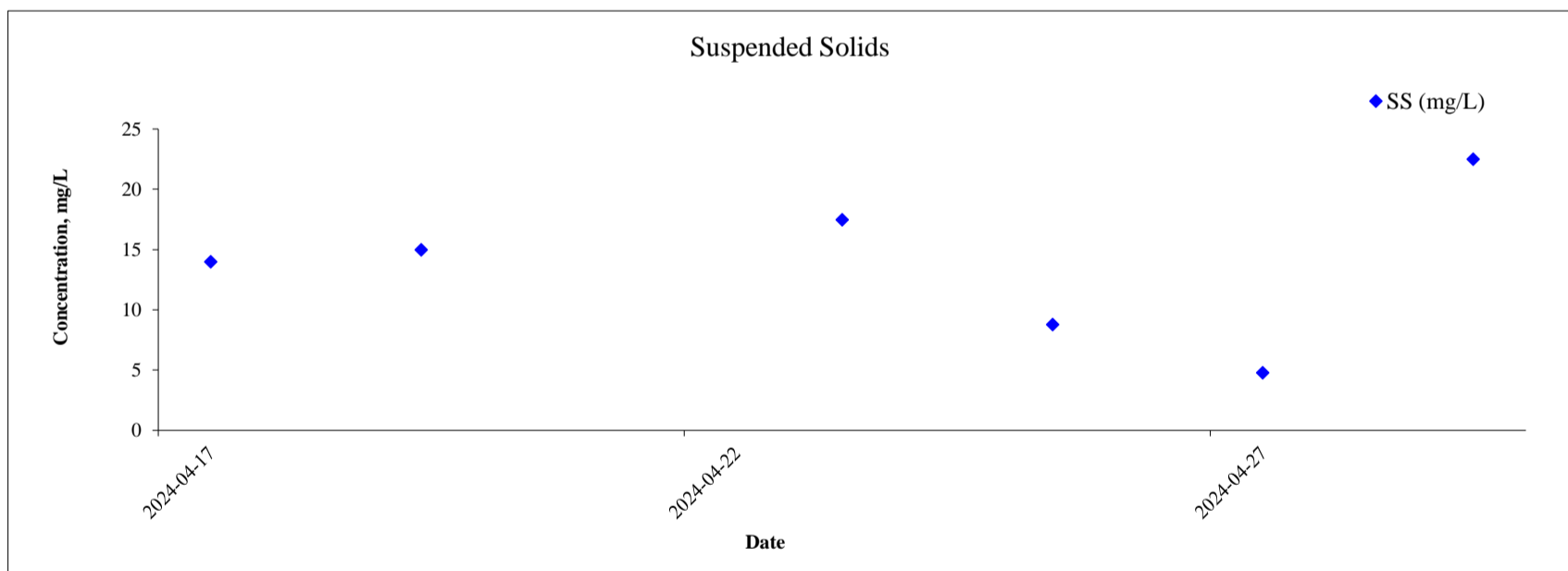
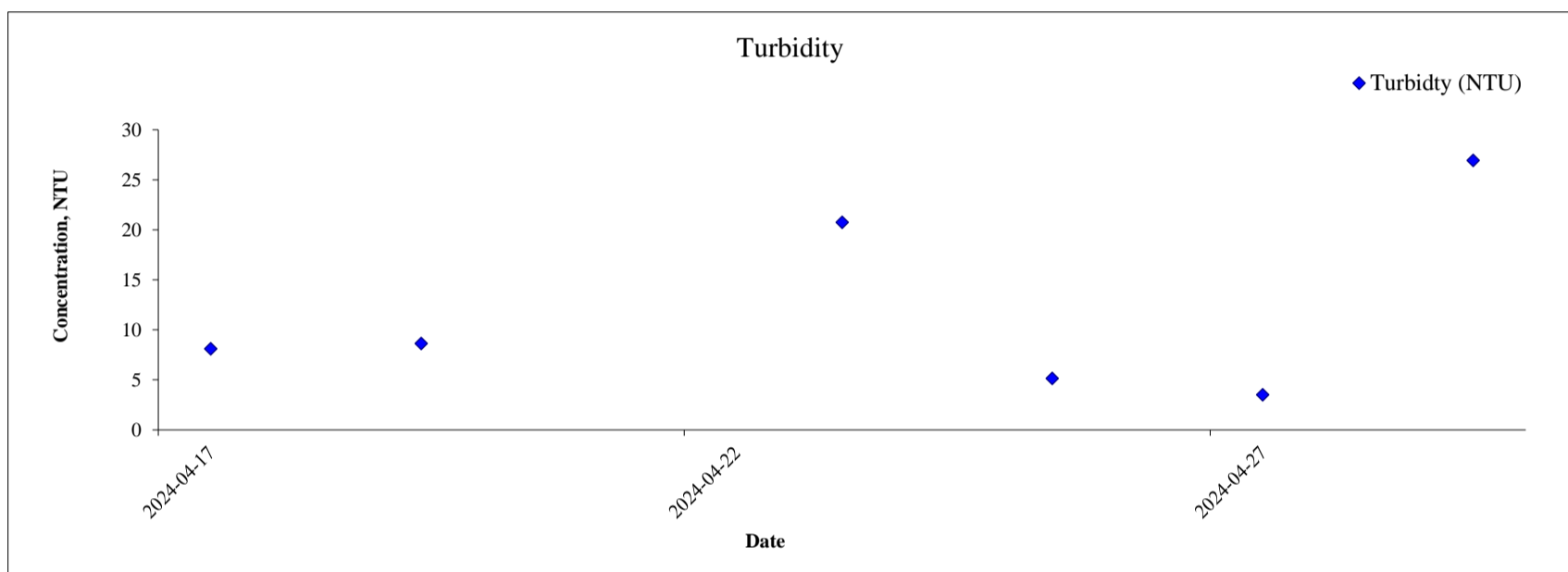
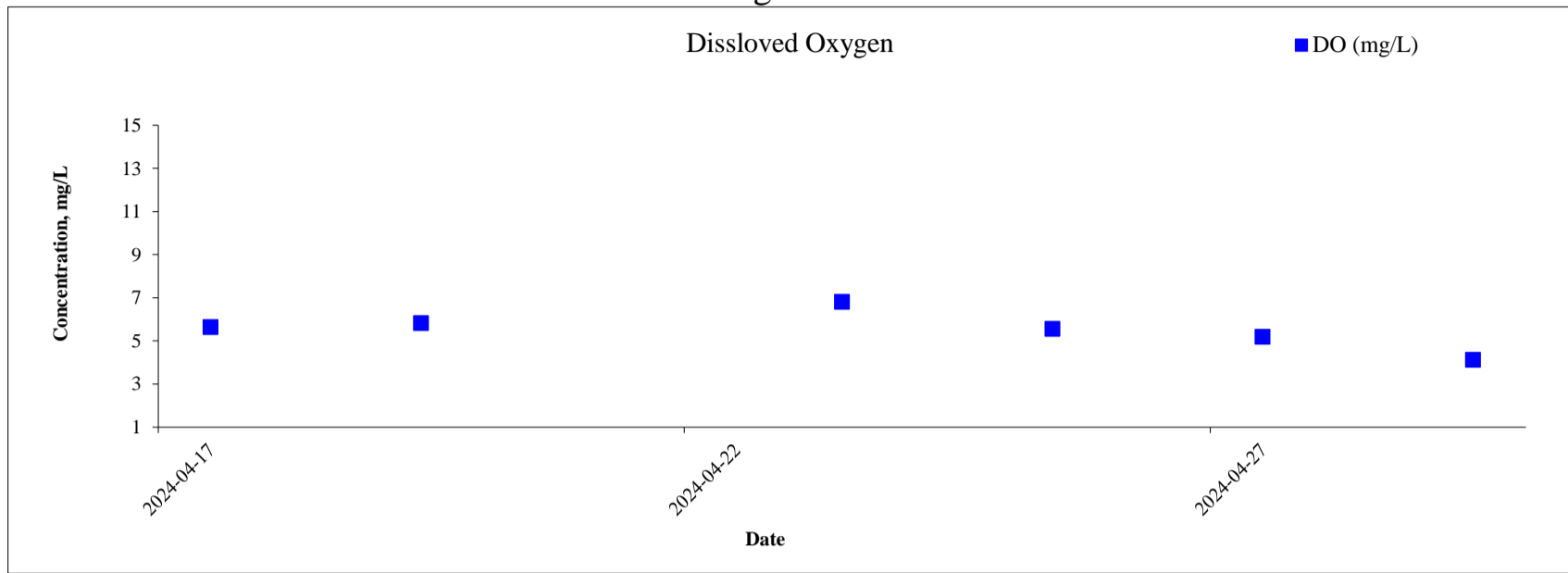
Monitoring Location: C6



Monitoring Location: C3A



Monitoring Location: C2



Monitoring Location: C1A

