2675 Winkler Ave #180
Fort Myers, Florida 33901
www.ghd.com

Our ref: 11225022-22

November 6, 2025

Mr. Richard Freeman
Calvin, Giordano & Associates, Inc.
1800 Eller Drive, Suite 600
Fort Lauderdale, FL 33316

Wentworth Estates (Treviso Bay) Water Quality Monitoring Report – October 2025

Dear Mr. Freeman:

GHD Services Inc. (GHD) is pleased to present the results of the October 2025 water quality sampling services for Lakes 4, 5, 12, 14, 22, and 32 for Wentworth Esates, located within the Treviso Bay Golf Club.

1. Water Quality Sampling – October 2025

The October 8, 2025, sampling event consisted of the collection of six (6) surface water samples from six (6) different lakes within the Treviso Bay residential community, as identified in **Figure 1**.

Samples were collected using direct-dip sampling methods. Samples were collected at half the total depth at each sampling location to minimize sediment disruption. Where applicable, samples were collected near the outfall structure/weir, particularly if there is flow over the weir. If the water depth is too shallow near the outfall structure/weir, samples were collected using a long-reach sampling pole from the bank of the lake, to as far into the lake as possible. See **Figure 1** for locations of outfall structures/weirs. Of note, there is no visible outfall structure/weir in Lake 5.

Conductivity, dissolved oxygen (DO), pH, and temperature were measured in the field with a calibrated YSI Pro Plus multi-parameter water quality meter. Turbidity was also measured at each location. Surface Water Field Sheets are attached. Field data is summarized in the Table in the **Laboratory Data Compliance Memo**.

The collected samples were capped, labelled, packed on ice, and transported to Benchmark EnviroAnalytical, Inc., in North Port, Florida. Benchmark EnviroAnalytical, Inc. is certified by the State of Florida and NELAP (National Environmental Laboratory Accreditation Conference). Laboratory analyses were conducted for 5-day biochemical oxygen demand (BOD), total suspended solids (TSS), total nitrogen, nitrogen speciation (ammonia, total Kjeldahl nitrogen (TKN), and nitrate + nitrite), total phosphorus, ortho phosphorus, and chlorophyll-*a*.

All samples collected during the October 2025 sampling event were prepared and analyzed within the method-required holding times. The laboratory data has been reviewed with respect to authenticity, precision, limits of detection, and accuracy of the data. The laboratory analytical results are summarized in the attached **Laboratory Data Compliance Memo** and **Table 1**.

2. Analytical Summary

The October 2025 sampling event represents the third and final analysis for 2025. Laboratory results are displayed visually in the trend graphs enclosed.

All lakes' water levels were relatively normal during the October 2025 sampling event considering the time of year. All sample were collected from the bank of each respective lake as far into the pond as possible. No visual evidence of algae was observed at any sampling location.

It appears that between the prior sampling event in June 2025 and the recent sampling event conducted on October 8, 2025:

- BOD levels at Lake 14 have increased since the previous sampling event and were detected above the practical quantitation limit (PQL). For all other sampling locations, BOD levels remain consistent and were detected between the method detection limit (MDL) and PQL.
- The average chlorophyll-*a* concentration increased, from 6.01 mg/m^3 to 10.24 mg/m^3.
- The average concentration of dissolved oxygen (%) slightly decreased, from 73.63% to 70.92%.
- The average concentration of total nitrogen slightly increased, from 0.610 mg/L to 0.646 mg/L.
- The average concentration of total phosphorus remained consistent, from 0.025 mg/L to 0.020 mg/L.
- The average turbidity slightly increased, from 2.68 NTU to 3.86 NTU.
- The average TSS increased, from 2.80 mg/L to 7.60 mg/L.
- The average conductivity increased, from 780.00 µS/cm to 1,183.50 µS/cm.
- The average pH decreased, from 8.10 SU to 7.56 SU.
- The average temperature decreased, from 32.25°C to 29.37°C.

The average pH decreased by about 0.54 SU and the temperature decreased by about 2.88°C. The highest pH was displayed at Lake 22 (8.17 SU) and the lowest was displayed at Lake 5 (7.04 SU). The highest temperature was displayed at Lake 32 (30.86°C), the lowest displayed at Lake 4 (28.17°C).

The BOD concentration displayed at Lake 14 was detected in excess of the PQL (4.54 mg/L). No other sampling location during the October 2025 sampling event resulted in BOD concentrations in exceedance of the PQL. BOD is a measure of oxygen content consumed by bacteria that decomposes organic material. Higher BOD levels generally infer more biological activity and, thus, higher algae levels. In general, BOD levels below 5.0 mg/L are ideal for freshwater lakes to support a healthy dissolved oxygen level within the water and, therefore, a healthy aquatic ecosystem. No sampling location exceeded this standard.

As noted above, no visual evidence of algae was observed at any sampling location. The average chlorophyll-*a* levels have increased since the previous sampling event. Chlorophyll-*a* concentrations increased at Lake 12, Lake 14, Lake 22, and Lake 32 and decreased at Lake 4 and Lake 5. In general, concentrations remain low. In general, chlorophyll-*a* levels below 10.0 mg/m^3 are ideal for freshwater lakes to support a healthy ecosystem. One (1) out of the six (6) locations slightly exceeded this standard: Lake 14 (25.2 mg/m^3). This value represents an increase in chlorophyll-*a* concentration when compared to the previous June 2025 sampling event (6.27 mg/m^3). Chlorophyll-*a* levels appear to display a cyclic trend, with increasing concentrations during the warmer months of the year, and decreasing concentrations in the cooler months, with lows recorded in January/February. GHD expects that the chlorophyll-*a* concentrations will decrease by the next sampling event, scheduled for February 2026.

The highest concentration of DO was observed at Lake 22 (85.5%), and the lowest was at Lake 4 (52.8%). Since the previous sampling event, the DO decreased at Lakes 4, 5, 12, and 14, and increased at Lakes 22 and 32. The action level for dissolved oxygen (%) is defined by the Florida Department of Environmental Protection (FDEP) for the Peninsula and Everglades bioregions as 38%. All sampling locations displayed DO concentrations far above this standard.

Given temperature and DO are inversely related, the concentration of DO is expected to fluctuate throughout the year, with the lakes displaying higher, more abundant concentrations in the colder months, and lower, more scarce concentrations in the warmer months. In addition, higher water levels typically

correspond with higher levels of DO, as there is more movement within and between lakes. GHD expects the concentration of DO to increase between now and the next sampling event.

Sampling location Lake 4 displayed the highest concentration of total nitrogen (0.902 mg/L) and TKN (0.806 mg/L), which is an increase compared to the previous sampling event. The total nitrogen concentration increased at Lakes 4 and 5 and decreased at Lakes 12, 14, 22, and 32. All results are within historical ranges. The TKN concentration trends follow similar patterns as the total nitrogen.

For the current sampling event, the highest concentration of total phosphorus was detected at Lakes 5 and 12 (0.024 I mg/L), which is consistent with the previous sampling event for both locations. All sampling locations displayed consistent trends in total phosphorus, except for at Lake 22, where it decreased.

The concentration of ortho phosphorus has historically fluctuated. The concentration of ortho phosphorus increased at Lakes 4 and 14, remained consistent at Lakes 5, 12, and 22, and decreased at Lake 32.

The highest concentration of TSS was displayed at Lake 14 (12.4 mg/L), which represents an increase in concentration since the previous sampling event. All sampling locations displayed an increasing trend when compared to the previous sampling event. In correspondence, the highest level of turbidity was also recorded at Lake 14 (6.00 NTU), which increased since the previous sampling event. Since the previous sampling event the turbidity increased at all sampling locations, except for at Lake 4, where it decreased.

A Trophic State Index calculation (defined by FAC 62-303.200 and the Water Quality Assessment for the State of Florida 305(b) Report) was used to help classify the quality of water based on each water body's chlorophyll-α, total phosphorous, and total nitrogen concentration. A ratio of total nitrogen to total phosphorus was calculated for each water body to determine general conditions. For this sample event, the breakdown of the sample locations is:

– Nutrient Balanced (10<TN/TP<30) – None
– Nitrogen Limited (TN/TP<10) – All sampling locations
– Phosphorus Limited (TN/TP>30) – None

A TSI value was calculated based on the TN/TP ratio for each location. A TSI value for lakes of 0-59 is "good", a value of 60-69 is "fair", and a value of 70+ is "poor". Based on the results of this sampling event, each sampling location's calculated TSI value is:

Lake 4	Lake 5	Lake 12	Lake 14	Lake 22	Lake 32
49.2	49.9	42.8	56.0	49.2	43.7

As shown above, all sampling locations resulted in TSI values of "good" for the current sampling event, indicating that the chemical composition within the water is balanced.

3. Annual Summary

The table below displayed the averages in parameters over the sampling events conducted in 2025 (February, June, and October 2025) compared to those conducted in 2024 (February, June, and November 2024).

Parameter	Unit	2025 Average	2024 Average	Difference (2025-2024)
BOD	mg/L	1.89	1.03	0.855
Chlorophyll	mg/m3	7.40	11.07	-3.67
Dissolved oxygen	%	73.92	73.33	0.590
Total nitrogen	mg/L	0.623	0.940	-0.317
Total phosphorus	mg/L	0.020	0.040	-0.020
Ortho phosphorus	mg/L	0.012	0.010	0.002
Total suspended solids	mg/L	4.61	6.90	-2.29
Conductivity	umhos/cm	906.67	775.26	131.41
pH	SU	7.99	8.03	-0.044
Temperature	Deg C	29.09	26.91	2.18
Turbidity	NTU	3.15	4.82	-1.67

As seen in the table above, the average chlorophyll-*a,* total nitrogen, turbidity, and TSS concentration decreased between the 2024 and 2025 events. The average temperature, conductivity, and BOD between 2024 and 2025 increased. The remaining parameters display relatively consistent averages between years. Water quality conditions appear to remain relatively stable when compared to last year's results.

No evidence of algal growth was noted between February 2025 through October 2025. All lakes appear to be chemically balanced and in good health.

4. Conclusions and Recommendations

The TN/TP ratio of each location is nitrogen-limited, which is consistent with historical sampling events. This infers that additional inputs of nitrogen will result in elevated chlorophyll-*a* concentrations and could potentially lead to algae growth within the water body. As noted above, no evidence of algal growth or blooms was observed at the time of the sampling event.

Water quality conditions within the Lake 14 sampling location appear to have degraded since the previous sampling event. This location displayed elevated levels of BOD and chlorophyll-*a*, indicating water quality concerns. The concentration of chlorophyll-*a* exceeded the standard of 10 mg/m^3, however, the BOD concentration did not exceed its standard of 5.0 mg/L.

Chlorophyll-*a* levels appear to display a cyclic trend, with increasing concentrations during the warmer months of the year, with peaks recorded in October, and decreasing concentrations in the cooler months, with lows recorded in January/February. In addition, DO is expected to fluctuate throughout the year, with the lakes displaying a higher DO in the fall and winter, and a lower DO in the spring and summer.

There currently appears to be minor water quality concerns at Lake 14. GHD recommends that lake maintenance inspect this location and treat for algae as needed. There are no other water quality concerns at any of the sampling locations. Due to the apparent cyclic trend identified above for DO and nutrients, GHD recommends continued increased visual investigations by lake maintenance for algal growth during the warmer months of the year.

The next tri-annual sampling event is planned for February 2026. Please contact Jessica Walsh at the email or phone number below if you have questions or need additional information.

Sincerely,

GHD

Jessica Walsh, E.I.
Environmental Engineer
Jessica.Walsh@ghd.com
239-944-0709

Encl: Figure
Table
Trend Graphs
Laboratory Analytical Reports
Surface Water Field Sheets

Data Table

Table 1

Analytical Results Summary
Surface Water Quality Monitoring
Treviso Bay, Naples, Florida
October 2025

Sample Location/Sample ID:		Lake 4																	
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**	**10/08/25**
Field Parameters	**Units**																		
Total Water Depth	Feet	3	2.7	2.34	1.2	1.8	3.5	NM	NM	NM	NM	NM	NM	4	3	5	4	4	4
Sample Depth	Feet	1.5	1.5	1.5	0.5	1	1.5	1.5	outfall	outfall	1.5	1.5	1.5	2	1.5	2.5	2	2	2
Conductivity, field	umhos/cm	908	1129	514	666	755	646	634	563	448	766	656	582	634	749	418	679	636	1261
Dissolved oxygen (DO), field	mg/L	6.07	4.36	2.78	3.5	3.82	3.99	4.65	4.07	6.3	6.73	4.24	5.45	6.3	4.12	6.01	6.86	4.62	4.1
Dissolved oxygen (DO), field	%	70.6	56.4	34.7	41.7	49.3	50.6	50.8	54.3	80.1	80.7	54.2	68.8	70.7	54.2	74.9	83.7	62.2	52.8
pH, field	s.u.	7.27	8.4	7.79	8.04	7.9	7.59	7.65	8.04	7.27	7.62	7.67	7.55	7.75	7.15	7.85	6.87	8.04	7.41
Temperature, field	Deg C	22.68	29.1	26.8	24.3	28.6	27.5	19.5	30.4	27.7	24.6	29.8	28.3	21	29.5	26.6	25.34	30.97	28.17
Turbidity, field	NTU	1.02	2.33	1.84	2.7	2.91	1.24	1.76	0.54	0.5	0.1	1.36	0.09	1.24	2.47	2.07	3.26	2.89	2.26
Wet Parameters	**Units**																		
Ammonia-N	mg/L	0.010 I	0.008 U	0.181	0.008 U	0.084	0.083	0.008 U	0.062	0.038	0.008 U	0.008 U	0.008 U	0.008 U	0.061	0.095	0.009 I	0.019 I	0.186
Total kjeldahl nitrogen (TKN)	mg/L	0.651	0.812	1.19	0.87	0.431	0.668	0.588	0.776	0.495	1.12	0.739	0.529	0.633	1.33	0.725	0.51	0.671	0.806
Total nitrogen	mg/L	0.77	0.818	1.23	0.05 U	0.451	0.754	0.695	0.776	0.541	1.2	0.753	0.548	0.689	1.35	0.747	0.544	0.71	0.902
Nitrite/Nitrate	mg/L	0.119	0.006 I	0.043	0.13	0.020 I	0.086	0.107	0.006 U	0.046	0.078	0.014 I	0.019 I	0.056	0.023 I	0.022 I	0.034	0.039	0.096
Ortho phosphorus (Field Filtered)	mg/L	0.039	0.043	0.026	0.008	0.02	0.004 I	0.006 I	0.008	0.013	0.012	0.046	0.043	0.005 I	0.005 I	0.019	0.008	0.004 I	0.012
Total phosphorus	mg/L	0.046	0.045	0.024 I	0.084	0.022 I	0.015 I	0.024 I	0.058	0.041	0.013 I	0.112	0.12	0.026 I	0.013 I	0.020 I	0.013 I	0.026 I	0.020 I
Chlorophyll	mg/m3	4.58	10.4	4.87	18.4	7.73	3.57	2.04	5.13	3.78	3.57	3.11	4.89	2.44	23.2	11.9	11.4	6.65	5.54
Total suspended solids (TSS)	mg/L	1.75 I	3	2.20 I	0.570 U	1.93 I	0.667 I	1.33 I	3	0.570 U	1.60 I	1.76 I	3.33	4	4	2.00 I	3.2	2.8	6.4
Biochemical oxygen demand (total BOD5)	mg/L	1 U	1.0 U	1 U	1.08 I	1 U	1 U	1.77 I	1 U	1.62 I	1 U	1.6 I	1 U	1 U	1 U	1 U	2.19 I	1.26 I	2.69 I

Sample Location/Sample ID:		Lake 5																	
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**	**10/08/25**
Field Parameters	**Units**																		
Total Water Depth	Feet	7	7.5	7.5	6.2	NM	NM	NM	NM	NM	NM	NM	NM	4	4	3	3	3	3
Sample Depth	Feet	1.5	1.5	1.5	1.5	surface	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	1.5	1.5	1.5	1.5
Conductivity, field	umhos/cm	405	630	561	284	389	308	310	311	335	344.4	306.2	278.2	349.2	299.4	299	346	426	1250
Dissolved oxygen (DO), field	mg/L	9.25	4.46	6.72	5.6	4.48	5.6	8.67	5.07	5.3	6.85	3.74	4.12	7.56	4.08	6.44	5.83	5.28	4.63
Dissolved oxygen (DO), field	%	107.9	59.3	83.9	67.5	59.4	72.5	96.5	68.1	67	82.1	50.4	53.1	85.1	54.5	80.6	71.2	72.4	60.5
pH, field	s.u.	7.61	7.78	8.61	8.71	8.26	8.62	8.49	8.37	6.8	6.74	7.5	7.7	8.26	8.14	7.16	7.9	7.34	7.04
Temperature, field	Deg C	22.95	30.1	27.2	25.1	30.2	28.8	20.7	30.8	27.6	24.6	29.8	28.7	21	30.3	26.9	25.45	31.95	29.01
Turbidity, field	NTU	1.36	2.45	3.54	6.43	1.94	4.53	5.34	--	0.9	0.85	1.34	0.5	0.02	3.32	1.51	1.19	2.28	4.53
Wet Parameters	**Units**																		
Ammonia-N	mg/L	0.008 U	0.009 I	0.030 I	0.008 U	0.053	0.085	0.008 U	0.073	0.032	0.008 U	0.008 U	0.008 U	0.008 U	0.08	0.035	0.014 I	0.055	0.171
Total kjeldahl nitrogen (TKN)	mg/L	0.654	0.75	1.04	0.828	0.638	0.91	1.41	0.954	0.462	0.884	0.707	0.682	0.763	0.974	0.653	0.488	0.586	0.677
Total nitrogen	mg/L	0.654	0.75	1.04	0.828	0.638	0.976	1.41	0.954	0.501	0.892	0.715	0.699	0.775	0.992	0.671	0.504	0.61	0.776
Nitrite/Nitrate	mg/L	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.066	0.006 U	0.006 U	0.039	0.008 I	0.008 I	0.017 I	0.012 I	0.018 I	0.018 I	0.016 I	0.024	0.099
Ortho phosphorus (Field Filtered)	mg/L	0.024	0.053	0.026	0.007 I	0.002 U	0.02	0.005 I	0.007 I	0.006 I	0.002 U	0.008	0.002 I	0.002 U	0.002 U	0.003 I	0.003 I	0.004 I	0.003 U
Total phosphorus	mg/L	0.044	0.063	0.027 I	0.014 I	0.008 U	0.046	0.009 I	0.033	0.096	0.008 I	0.013 I	0.012 I	0.072	0.024 I	0.025 I	0.013 I	0.025 I	0.024 I
Chlorophyll	mg/m3	6.71	8.71	9.27	6.17	9.17	29.3	14.2	6.8	2.03	1.65	2.68	3.3	1.73	20.8	3.2	2.3	10.2	7.73
Total suspended solids (TSS)	mg/L	5	2.25 I	6.2	4.8	1.00 I	6.67	9.67	1.67 I	0.570 U	3.6	2.22 I	3.6	2.00 I	1.60 I	0.570 U	0.570 U	2.00 I	6.8
Biochemical oxygen demand (total BOD5)	mg/L	1.11 I	1.0 U	1.49 I	1.11 I	1 U	1.97 I	1.75 I	1.17 I	1 U	1 U	1.34 I	1 U	1 U	1 U	1 U	1 U	1.63 I	1.70 I

Table 1

Analytical Results Summary
Surface Water Quality Monitoring
Treviso Bay, Naples, Florida
October 2025

Sample Location/Sample ID:		Lake 12																	
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**	**10/08/25**
Field Parameters	**Units**																		
Total Water Depth	Feet	1	1.95	2.3	2	2.24	2	NM	NM	NM	NM	NM	NM	3	3	2	5	3	3
Sample Depth	Feet	overflow	surface	overflow	1.5	1.5	1.5	1.5	outfall	1.5	1.5	1.5	1.5	1.5	1.5	1	2.5	1.5	1.5
Conductivity, field	umhos/cm	959	1382	658	583	817	777	713	769	974	1095	897	846	907	802	1082	1080	1033	1242
Dissolved oxygen (DO), field	mg/L	10.03	5.25	2.69	5.69	8.65	2.84	4.22	1.72	6.77	5.41	7.01	2.5	6.7	3.13	7.89	7.05	5.88	4.98
Dissolved oxygen (DO), field	%	116.7	69	33.1	66.2	40.9	35.5	45.5	61.7	87.5	65.1	93.1	32.5	77.5	44.6	101.8	85.8	81.7	66.9
pH, field	s.u.	7.54	8.31	7.74	8.63	8.65	7.58	7.9	7.97	7.92	8.14	8.08	7.8	8.28	7.93	7.94	8.67	8.15	7.57
Temperature, field	Deg C	22.43	29.2	25.8	23.1	28.1	26.9	19.1	30.4	27.9	24.2	30.1	28.8	22.1	31.6	28.7	25.15	32.64	29.45
Turbidity, field	NTU	1.75	1.46	0.58	5.48	1.32	1.66	8.64	1.86	2.97	1.5	3.34	1.24	2.32	3.12	2.3	2.85	1.45	3.01
Wet Parameters	**Units**																		
Ammonia-N	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.032	0.008 U	0.078	0.073	0.008 U	0.008 U	0.008 U	0.008 U	0.051	0.115	0.008 U	0.012 I	0.029 I
Total kjeldahl nitrogen (TKN)	mg/L	0.708	0.71	0.927	1.85	0.57	0.446	1.68	1.05	0.802	2.49	0.926	0.6	0.942	1.05	0.752	0.75	0.516	0.495
Total nitrogen	mg/L	0.708	0.71	0.927	1.86	0.57	0.446	1.68	1.05	0.838	2.53	0.932	0.623	0.954	1.05	0.805	0.763	0.525	0.519
Nitrite/Nitrate	mg/L	0.006 U	0.006 U	0.006 U	0.008 I	0.006 U	0.006 U	0.006 U	0.006 U	0.036	0.043	0.006 I	0.023 I	0.012 I	0.006 U	0.053	0.013 I	0.009 I	0.024
Ortho phosphorus (Field Filtered)	mg/L	0.012	0.034	0.005 I	0.002 I	0.002 U	0.002 I	0.002 I	0.016	0.018	0.01	0.015	0.004 I	0.009	0.002 U	0.004 I	0.01	0.002 U	0.005 I
Total phosphorus	mg/L	0.020 I	0.04	0.011 I	0.047	0.008 U	0.019 I	0.020 I	0.061	0.038	0.014 I	0.026 I	0.016 I	0.015 I	0.013 I	0.019 I	0.016 I	0.015 I	0.024 I
Chlorophyll	mg/m3	5.55	5.55	2.19	34.9	10.3	5.44	19.9	5.43	13.7	7.74	4.18	5.46	5.91	1.56	10.4	7.11	1.91	5.21
Total suspended solids (TSS)	mg/L	1.25 I	1.50 I	0.769 I	124	0.570 U	1.00 I	42.7	4.33	6	19	5.25	2.20 I	7.6	2.4	2.8	4.4	1.20 I	4
Biochemical oxygen demand (total BOD5)	mg/L	1 U	1.0 U	1 U	4.07	1 U	1 U	1.62 I	1.01 I	1.05 I	1.36 I	1.4 I	1 U	1 U	1 U	1.04 I	1.70 I	1 U	1.96 I

Sample Location/Sample ID:		Lake 14																	
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**	**10/08/25**
Field Parameters	**Units**																		
Total Water Depth	Feet	2.5	2.41	2.81	2.2	1.83	2.3	NM	NM	NM	NM	NM	NM	3	3	4	5	3	3
Sample Depth	Feet	1.5	1.5	1.5	1.5	1	1.5	1.5	outfall	1.5	1.5	1.5	1.5	1.5	1.5	2	2.5	1.5	1.5
Conductivity, field	umhos/cm	14.67	2066	999	967	1223	1119	1032	1041	1384	2049	1898	1721	1753	1712	1609	1421	1470	1043
Dissolved oxygen (DO), field	mg/L	5.79	4.36	5.45	4.13	4.31	4.92	6.89	5.67	3.74	5.53	6.21	6.44	6.06	3.7	7.45	6.17	6.02	6.16
Dissolved oxygen (DO), field	%	66.7	57.6	67.8	48.8	54.1	63.7	74.9	74.2	47.7	65.5	84.1	84.2	72	51.2	94.7	65.4	84	81.1
pH, field	s.u.	7.71	8.33	8.44	8.55	8.28	8.43	8.49	8.53	7.97	8.33	8.18	8.15	8.41	8.23	8.11	8.9	8.54	7.78
Temperature, field	Deg C	22.04	29.6	26.4	23.7	28.6	28.2	19.4	30.7	27.7	24.6	30.7	29	23.1	32	27.5	25.29	32.96	29.01
Turbidity, field	NTU	2.07	7.06	3.44	2.83	2.6	3.8	9.41	2.04	2.77	1.58	3.81	3.09	12.3	2.96	4.1	5.18	3.45	6
Wet Parameters	**Units**																		
Ammonia-N	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.041	0.008 U	0.063	0.019 I	0.008 U	0.008 U	0.016 I	0.008 U	0.064	0.029 I	0.010 I	0.012 I	0.020 I
Total kjeldahl nitrogen (TKN)	mg/L	0.816	0.926	1.35	0.908	0.75	0.738	1.17	1.24	0.756	1.82	0.819	0.837	0.974	1.15	0.772	0.76	0.684	0.619
Total nitrogen	mg/L	0.816	0.926	1.35	0.908	0.75	0.738	1.17	1.24	0.766	1.83	0.831	0.86	0.988	1.17	0.787	0.773	0.697	0.632
Nitrite/Nitrate	mg/L	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.010 I	0.013 I	0.012 I	0.023 I	0.014 I	0.015 I	0.015 I	0.013 I	0.013 I	0.013 I
Ortho phosphorus (Field Filtered)	mg/L	0.007 I	0.031	0.004 I	0.002 U	0.002 U	0.007 I	0.002 U	0.003 I	0.009	0.002 U	0.01	0.009	0.023	0.004 I	0.007 I	0.01	0.002 U	0.014
Total phosphorus	mg/L	0.029 I	0.044	0.025 I	0.020 I	0.008 U	0.011 I	0.035	0.041	0.038	0.020 I	0.012 I	0.009 I	0.029 I	0.084	0.020 I	0.016 I	0.014 I	0.015 I
Chlorophyll	mg/m3	8.51	10.3	11.7	5.95	16	20	9.84	10.2	19.7	7.12	11.6	21.8	19.3	16.7	23.2	8.95	6.27	25.2
Total suspended solids (TSS)	mg/L	4.5	3.75	7.5	4.4	3.6	6	7	5.33	6.4	19	7.33	3.85	15.2	6.4	5.2	6	4.8	12.4
Biochemical oxygen demand (total BOD5)	mg/L	1.55 I	1.0 U	2.32 I	1.59 I	1.03 I	1.61 I	1 U	1.81 I	1.69 I	1.98 I	1.75 I	1 U	1.33 I	1 U	1.10 I	2.37 I	1.93 I	4.54

Table 1

Analytical Results Summary
Surface Water Quality Monitoring
Treviso Bay, Naples, Florida
October 2025

Sample Location/Sample ID:		Lake 22																	
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**	**10/08/25**
Field Parameters	**Units**																		
Total Water Depth	Feet	3	2.27	2.74	2.6	3.58	3.5	NM	NM	NM	NM	NM	NM	3	4	4	3	4	2
Sample Depth	Feet	1.5	surface	overflow	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	1.5	2	1
Conductivity, field	umhos/cm	656	1057	453	450	978	462	449	475	766	1007	881	755	732	707	514	571	599	1261
Dissolved oxygen (DO), field	mg/L	8.62	5.96	4.2	5.14	3.83	8.24	6.25	6.06	4.76	6.61	5.02	3.75	8.01	3.16	7.7	6.16	5.71	6.37
Dissolved oxygen (DO), field	%	99.6	52.6	54	61	45.7	105.8	68.9	80.2	61	80.1	63.2	49	91.5	43.2	98.1	75.3	79.5	85.5
pH, field	s.u.	7.73	8.28	8.27	8.76	7.98	8.5	8.38	8.1	8.03	8.52	7.99	7.95	8.64	7.9	8.48	8.85	8.44	8.17
Temperature, field	Deg C	22.42	29.9	26.8	24.4	28.1	28.3	20	30	28.1	24.7	29.7	29	21.7	31.3	27.9	25.47	32.77	29.72
Turbidity, field	NTU	1.17	1.06	1.52	1.38	2.21	1.75	1.77	0.81	1.04	9.39	3.77	6.63	33.3	6.22	2.51	3	3.1	3.62
Wet Parameters	**Units**																		
Ammonia-N	mg/L	0.008 U	0.008 U	0.026 I	0.008 U	0.008 U	0.036	0.008 U	0.066	0.019 I	0.008 U	0.008 U	0.008 U	0.008 U	0.079	0.039	0.011 I	0.012 I	0.022 I
Total kjeldahl nitrogen (TKN)	mg/L	0.648	1.05	1.23	0.807	0.678	0.499	0.689	0.952	0.578	1.36	0.939	0.656	0.866	1.37	0.562	0.678	0.615	0.606
Total nitrogen	mg/L	0.648	1.05	1.23	0.807	0.678	0.499	0.689	0.952	0.601	1.37	0.939	0.678	0.877	1.38	0.58	0.689	0.625	0.617
Nitrite/Nitrate	mg/L	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.023 I	0.012 I	0.006 U	0.022 I	0.011 I	0.014 I	0.018 I	0.011 I	0.010 I	0.011 I
Ortho phosphorus (Field Filtered)	mg/L	0.005 I	0.019	0.007 I	0.002 U	0.002 U	0.002 I	0.002 U	0.004 I	0.005 I	0.008	0.008	0.011	0.005 I	0.009	0.005 I	0.011	0.005 I	0.005 I
Total phosphorus	mg/L	0.024 I	0.027 I	0.030 I	0.008 U	0.008 U	0.021 I	0.028 I	0.023 I	0.023 I	0.148	0.014 I	0.014 I	0.016 I	0.042	0.166	0.022 I	0.049	0.020 I
Chlorophyll	mg/m3	4.31	5	6.48	2.34	4.06	3.35	1.81	4.19	2.76	10.9	4.12	10.7	3.5	14.3	8.92	3.88	6.34	9.87
Total suspended solids (TSS)	mg/L	1.00 I	3	2.25 I	1.60 I	0.570 U	1.67 I	0.570 U	1.41 I	1.20 I	34.8	10	5.71	6	9.2	2.4	3.2	4.8	10.4
Biochemical oxygen demand (total BOD5)	mg/L	1 U	3	1	1 U	1 U	1 U	1.29 I	1 U	1 U	1.87 I	1.25 I	1 U	1 U	1 U	1 U	1.29 I	1.09 I	2.82 I

Sample Location/Sample ID:		Lake 32																	
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**	**10/08/25**
Field Parameters	**Units**																		
Total Water Depth	Feet	3	3.28	3.87	2.3	2.98	1.9	NM	NM	NM	NM	NM	NM	3	3	3	5	3	3
Sample Depth	Feet	1.5	1.5	1.5	1.5	1.5	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5
Conductivity, field	umhos/cm	426	680	298	296	508	298	289	324	391	459.4	468	43.2	512	491	385	442	516	1044
Dissolved oxygen (DO), field	mg/L	8.4	4.27	6.44	5.08	5.71	5.54	6.25	1.37	5.55	6.42	4.8	3.58	6.74	4.15	6.93	6.5	4.5	5.88
Dissolved oxygen (DO), field	%	99.5	56.3	80.3	61	71.8	71.8	69.6	18.1	71.3	77.4	67.1	47	78.1	57.2	90	81.9	62	78.7
pH, field	s.u.	8.15	8.15	8.16	8.49	8.27	8.72	8.28	7.24	7.82	8.53	7.6	7.96	8.21	7.96	8.19	8.62	8.07	7.38
Temperature, field	Deg C	23.8	29.7	27	24.7	29.1	28.7	20.5	29.8	28.4	24.6	30.4	29.5	22.5	31.8	28.8	27.15	32.21	30.86
Turbidity, field	NTU	0.47	2.75	3.31	9.56	3.28	3.18	1.62	1.71	0.54	9.71	2.54	4.05	1.24	2.92	2.84	2.07	2.88	3.74
Wet Parameters	**Units**																		
Ammonia-N	mg/L	0.008 U	0.008 U	0.045	0.008 U	0.008 U	0.028 I	0.008 U	0.094	0.017 I	0.008 U	0.008 U	0.008 U	0.027 I	0.045	0.056	0.012 I	0.029 I	0.024 I
Total kjeldahl nitrogen (TKN)	mg/L	0.483	0.897	1.65	0.791	0.639	0.05 U	0.514	0.872	0.573	0.934	0.687	0.691	0.813	1.14	1.11	0.382	0.479	0.415
Total nitrogen	mg/L	0.483	0.897	1.67	0.791	0.639	0.05 U	0.514	0.872	0.813	0.941	0.696	0.712	0.845	1.15	1.17	0.4	0.494	0.43
Nitrite/Nitrate	mg/L	0.006 U	0.006 U	0.018 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.24	0.007 I	0.009 I	0.021 I	0.032	0.011 I	0.059	0.018 I	0.015 I	0.015 I
Ortho phosphorus (Field Filtered)	mg/L	0.018	0.035	0.008	0.002 I	0.002 U	0.008	0.002 U	0.007 I	0.008	0.002 U	0.01	0.006 I	0.074	0.002 U	0.006 I	0.006 I	0.008	0.004 I
Total phosphorus	mg/L	0.022 I	0.058	0.041	0.010 I	0.013 I	0.014 I	0.027 I	0.044	0.016 I	0.012 I	0.012 I	0.013 I	0.083	0.027 I	0.106	0.010 I	0.021 I	0.015 I
Chlorophyll	mg/m3	2	7.08	7.29	3.73	11.8	16.1	2.54	7.42	3.26	1.96	4.8	9.47	4.35	19.5	8.32	2.01	4.7	7.88
Total suspended solids (TSS)	mg/L	0.750 I	5.25	4	1.20 I	3.4	3.67	2.67	3.67	0.570 U	1.60 I	4.85	2.55	25.2	2.8	3.2	3.2	1.20 I	5.6
Biochemical oxygen demand (total BOD5)	mg/L	1 U	1.0 U	1.25 I	1 U	1 U	1.23 I	1 U	1.32 I	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.76 I

Notes:

U - Not detected at the associated reporting limit

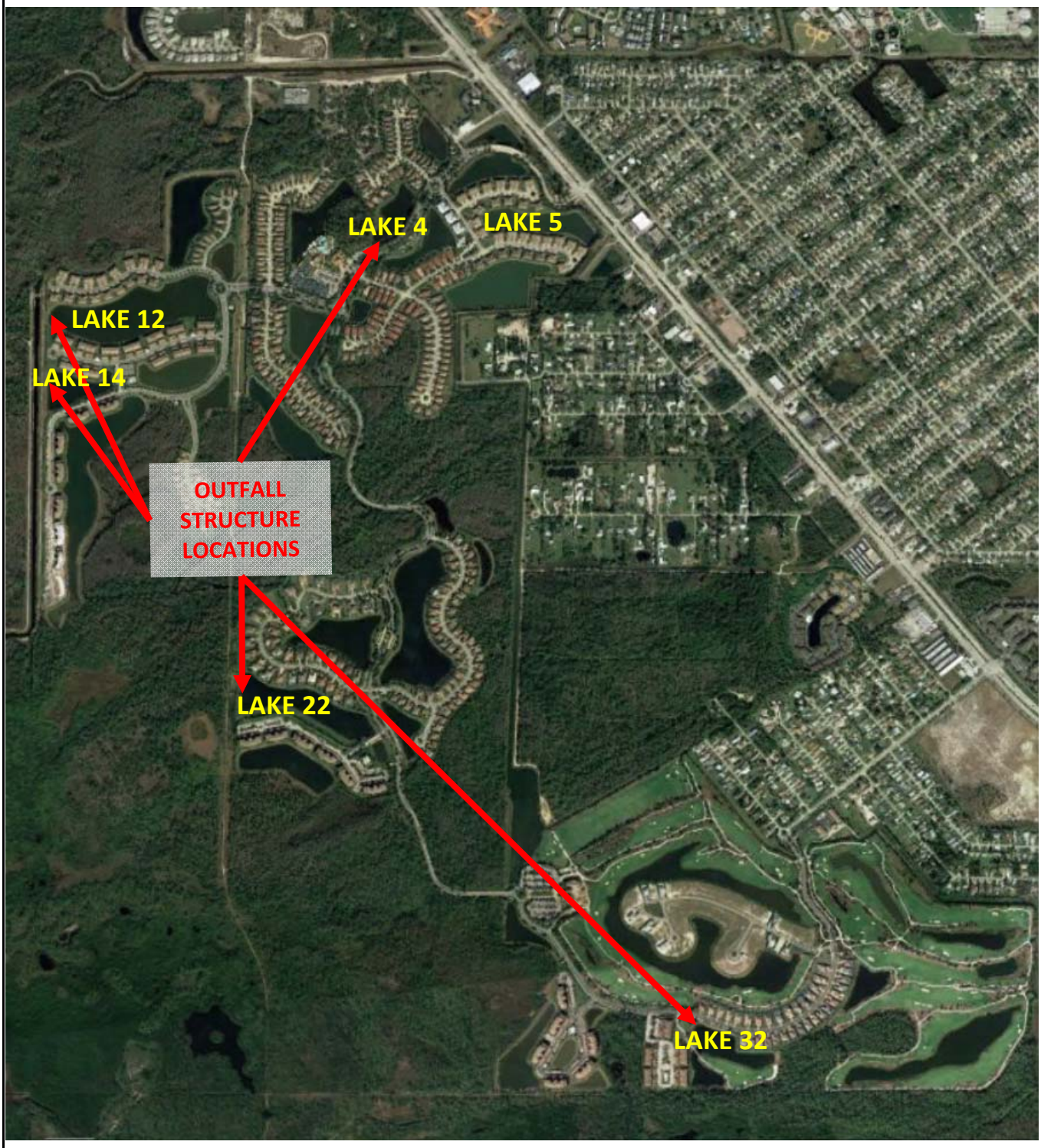
I - Reported value is between method detection limit and the practical quantitation limit

NS - Not sampled during noted event

* DO values at or above 100% are possible super-saturation conditions due to high water temperatures and/or high volume of algae.

NM - Not Measured

Figure



NOTE: LAKE 5 DOES NOT HAVE AN ABOVE WATER LEVEL OUTFALL STRUCTURE/WEIR.

WATER QUALITY SAMPLING REPORT
LAKES 4, 5, 12, 14, 22, AND 32 - TREVISO BAY
NAPLES, COLLIER COUNTY, FLORIDA

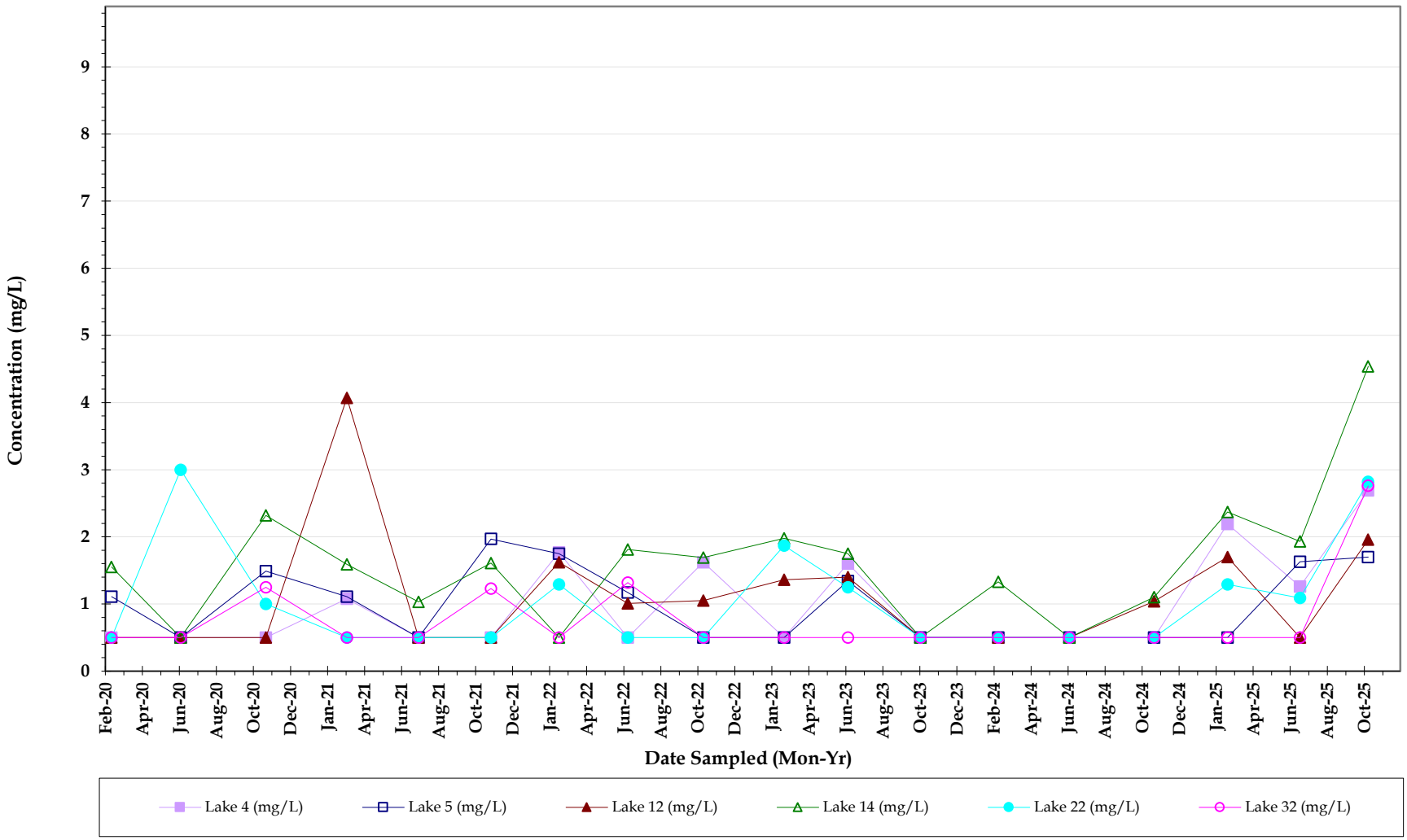
11225022-01

30-June-21

SAMPLE LOCATION MAP

FIGURE NO. 1

Trend Graphs

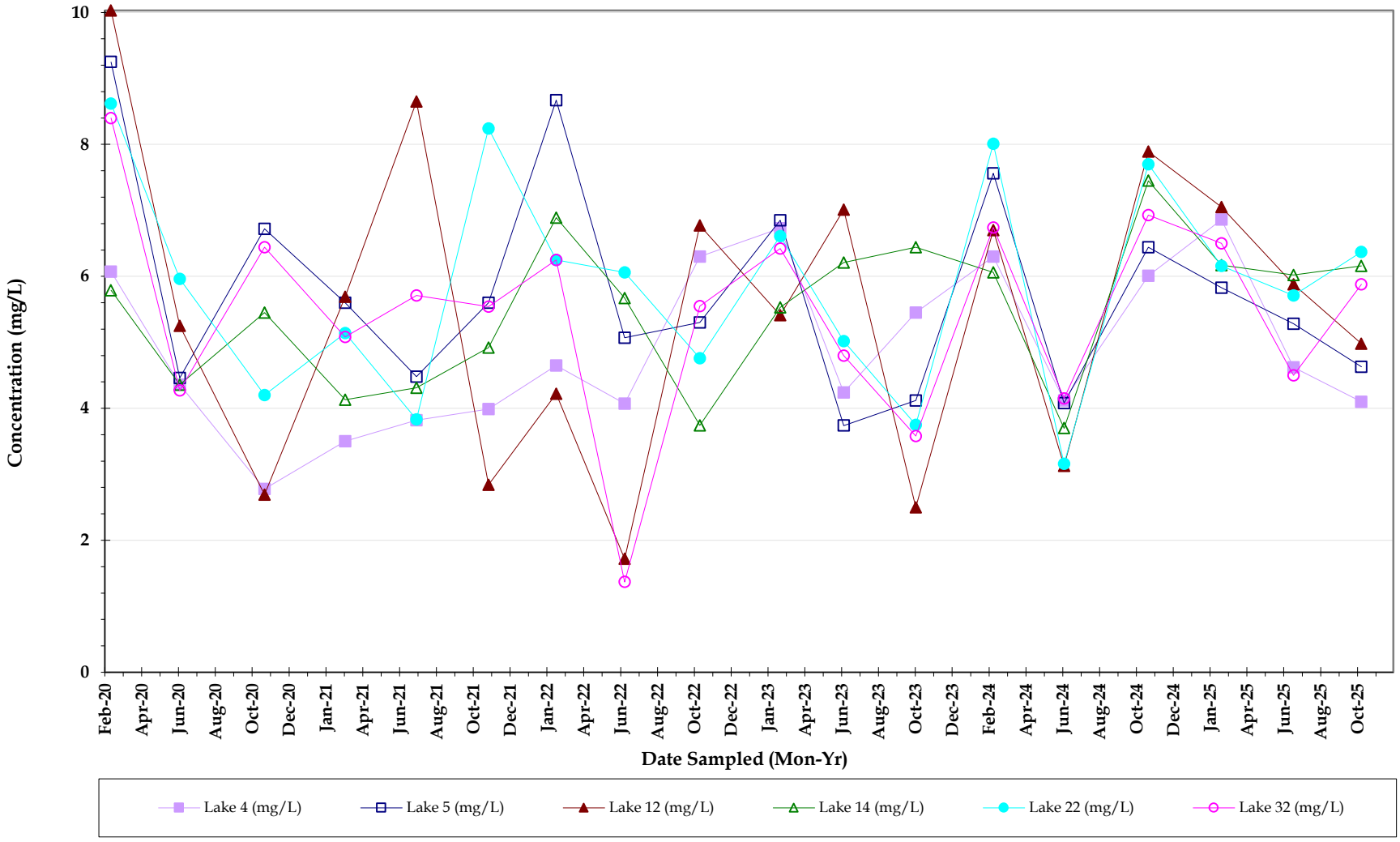


Biochemical Oxygen Demand

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

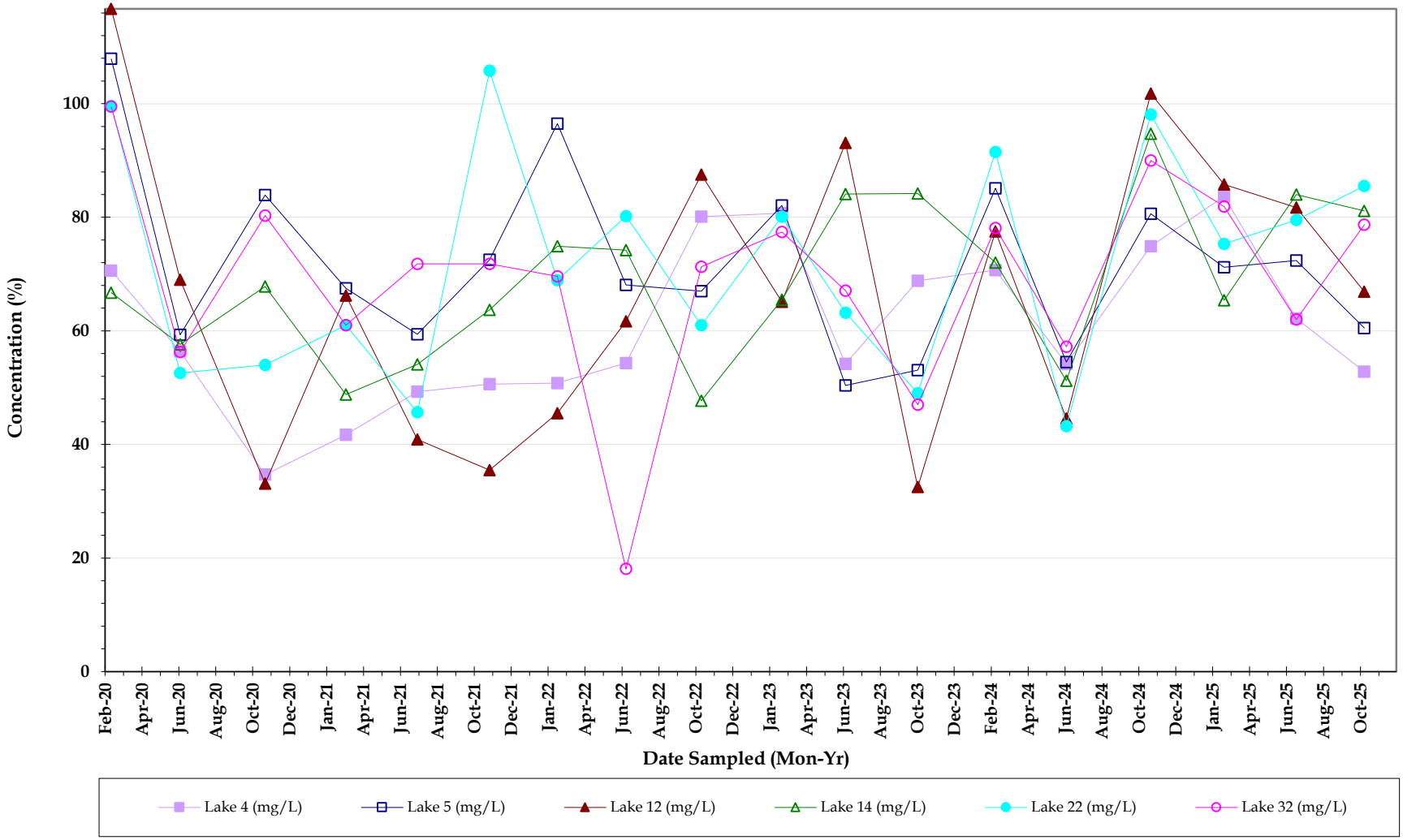


Dissolved Oxygen (mg/L)

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

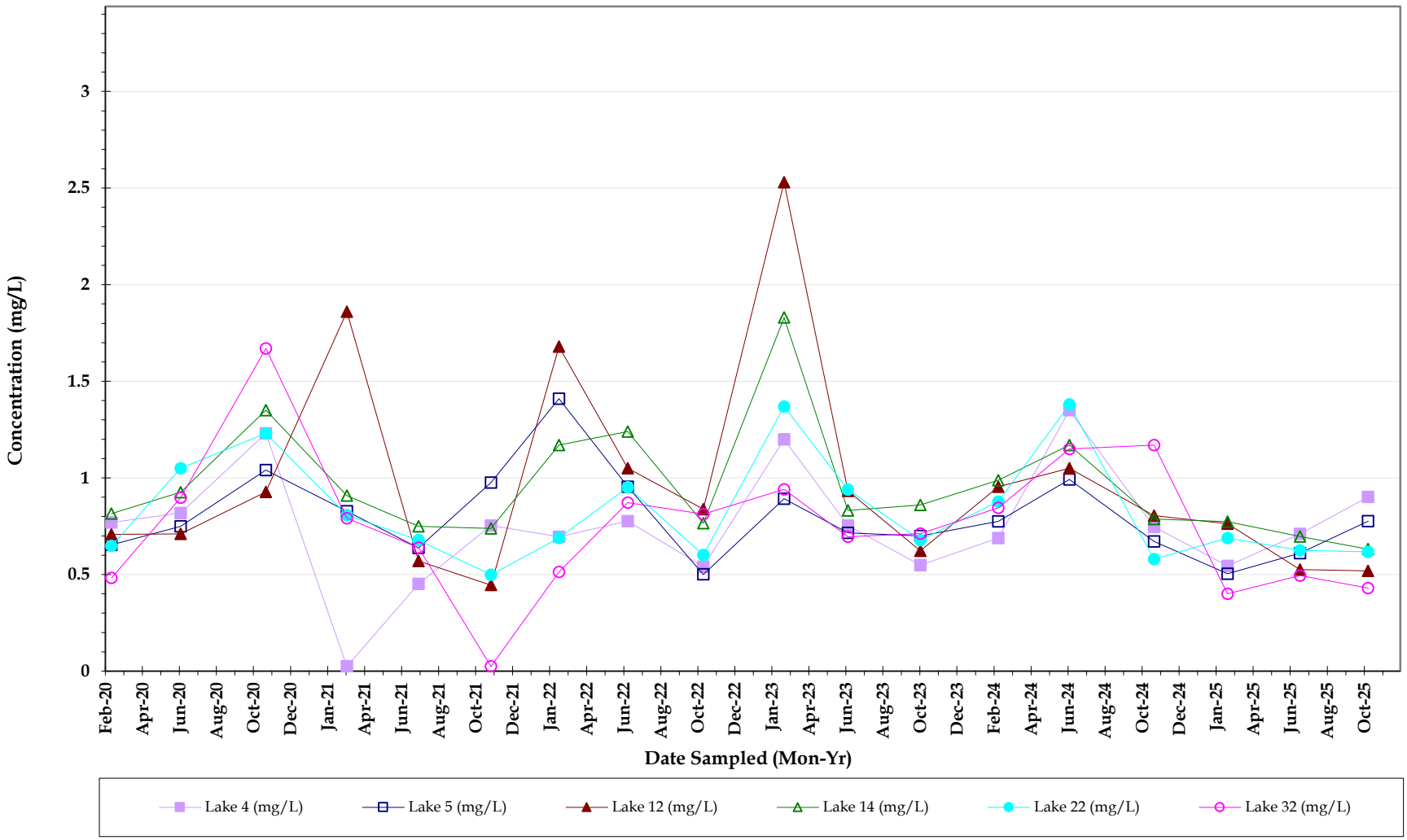


Dissolved Oxygen (%)

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

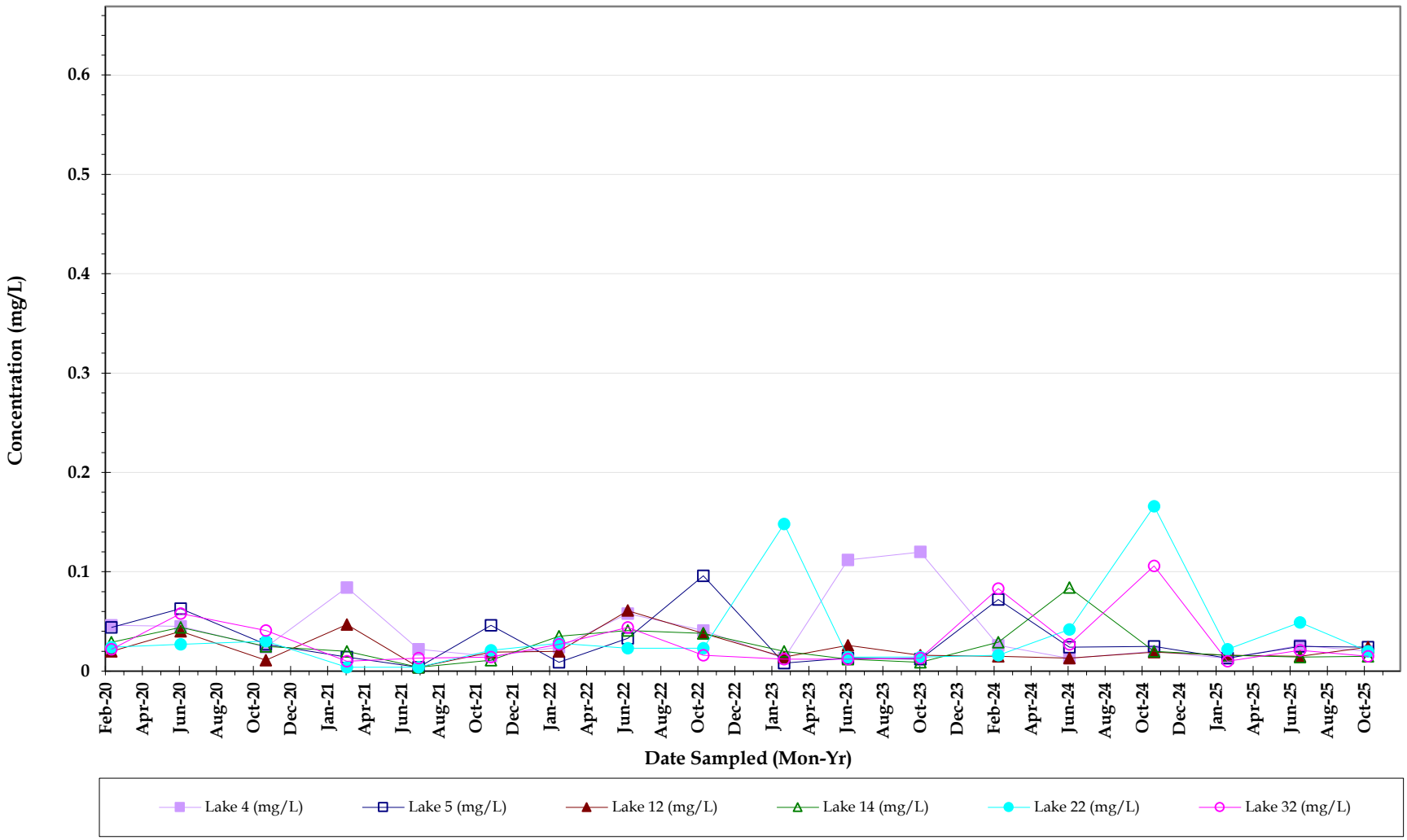


Total Nitrogen

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

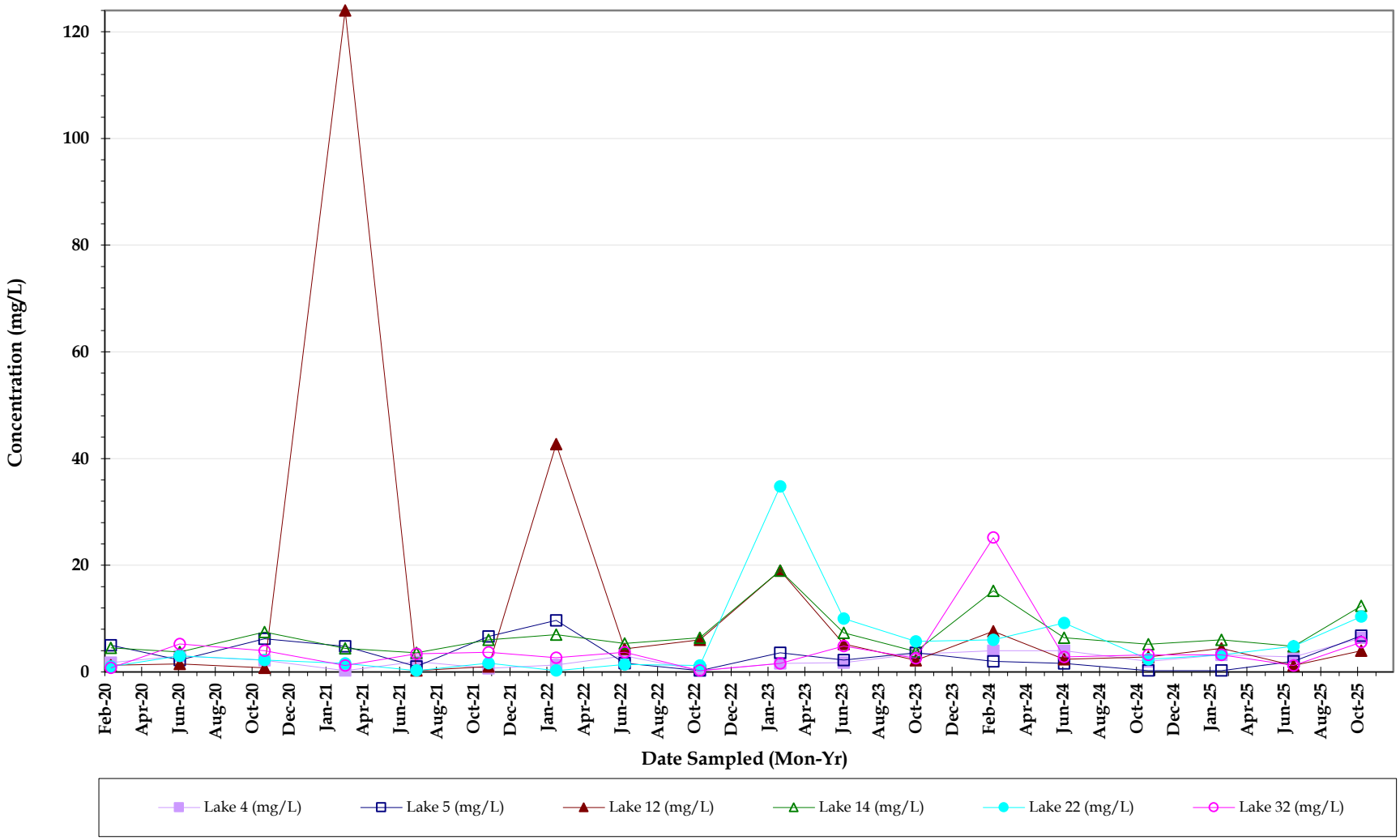


Total Phosphorus

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

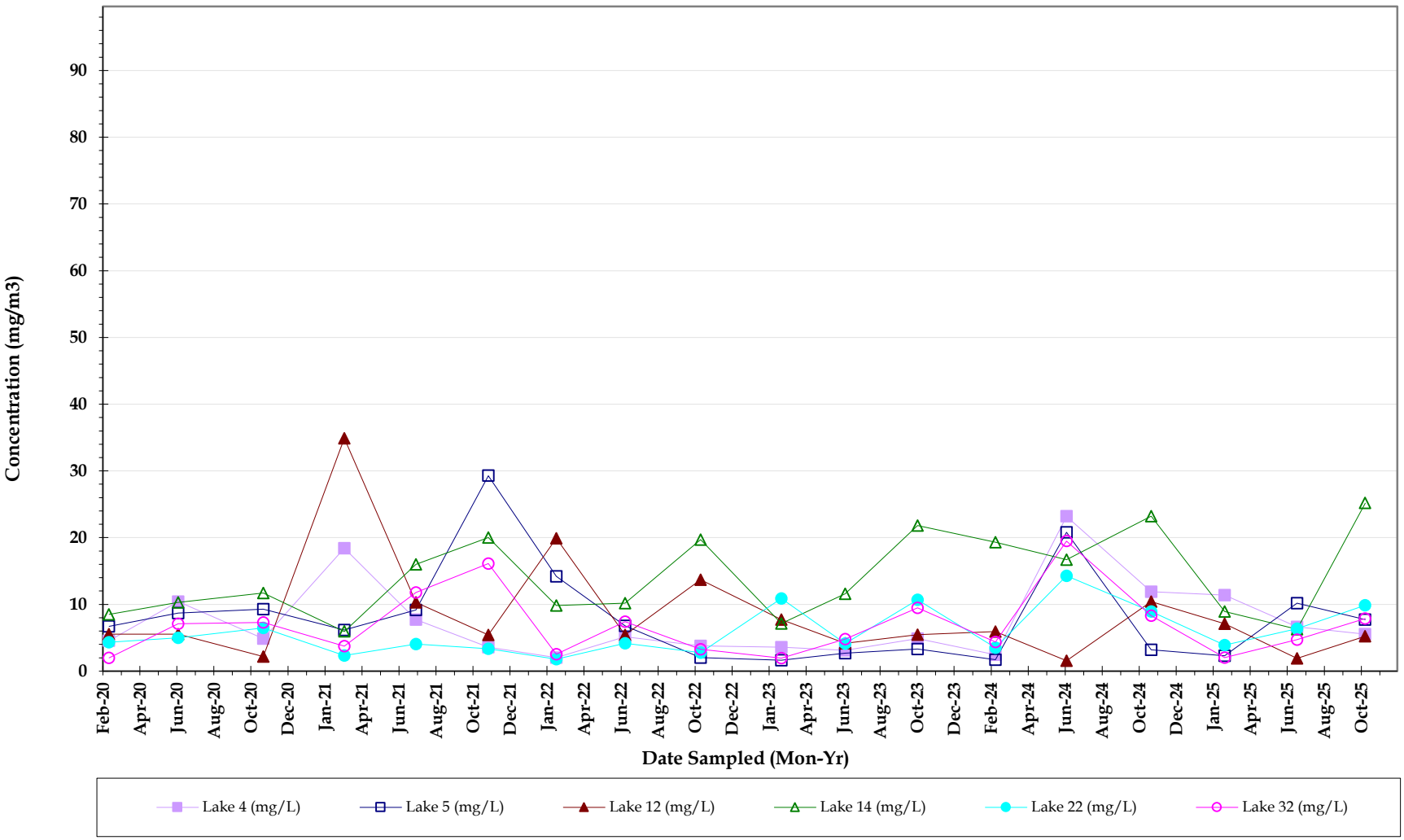


Total Suspended Solids

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

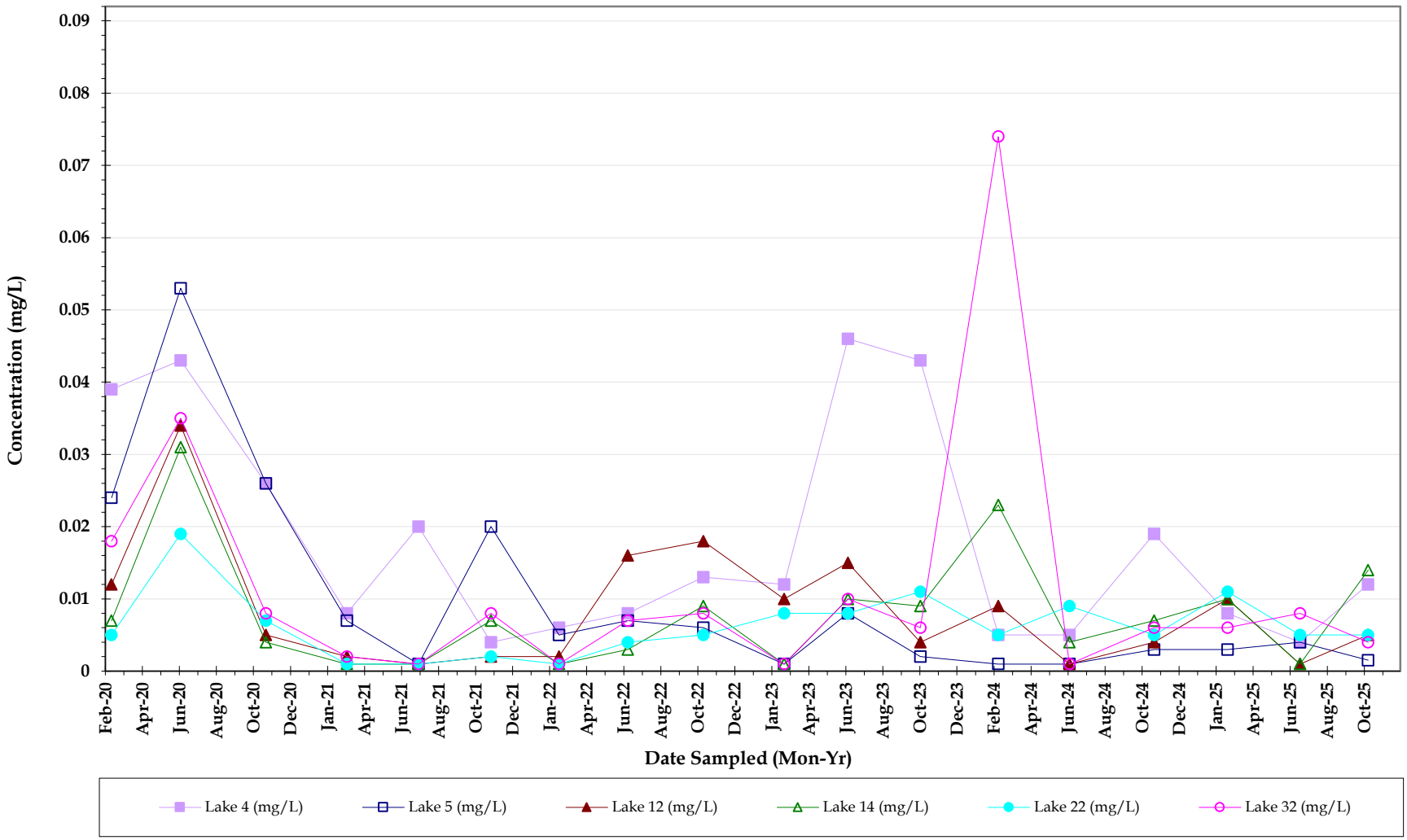


Chlorophyll *a*

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

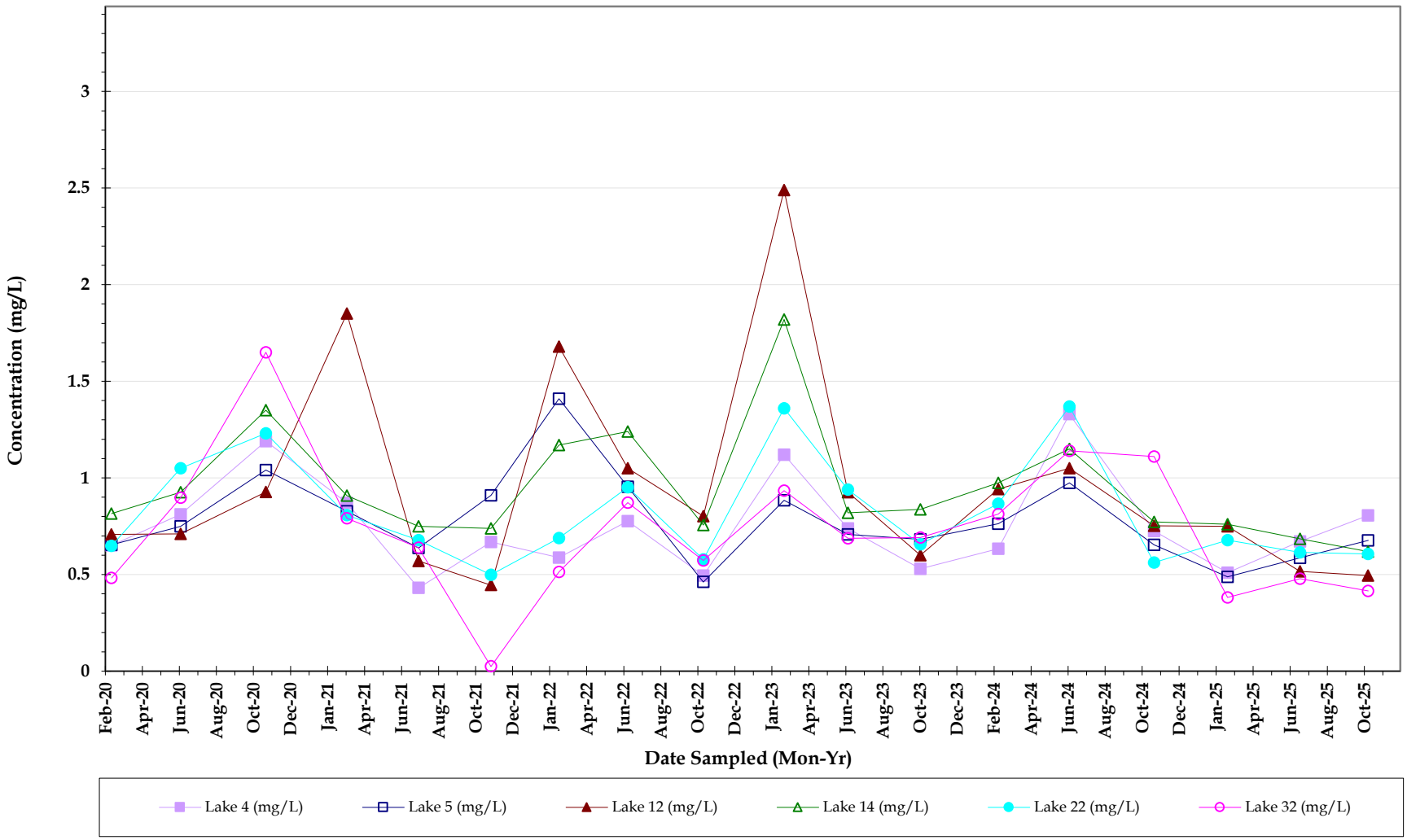


Orthophosphate

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

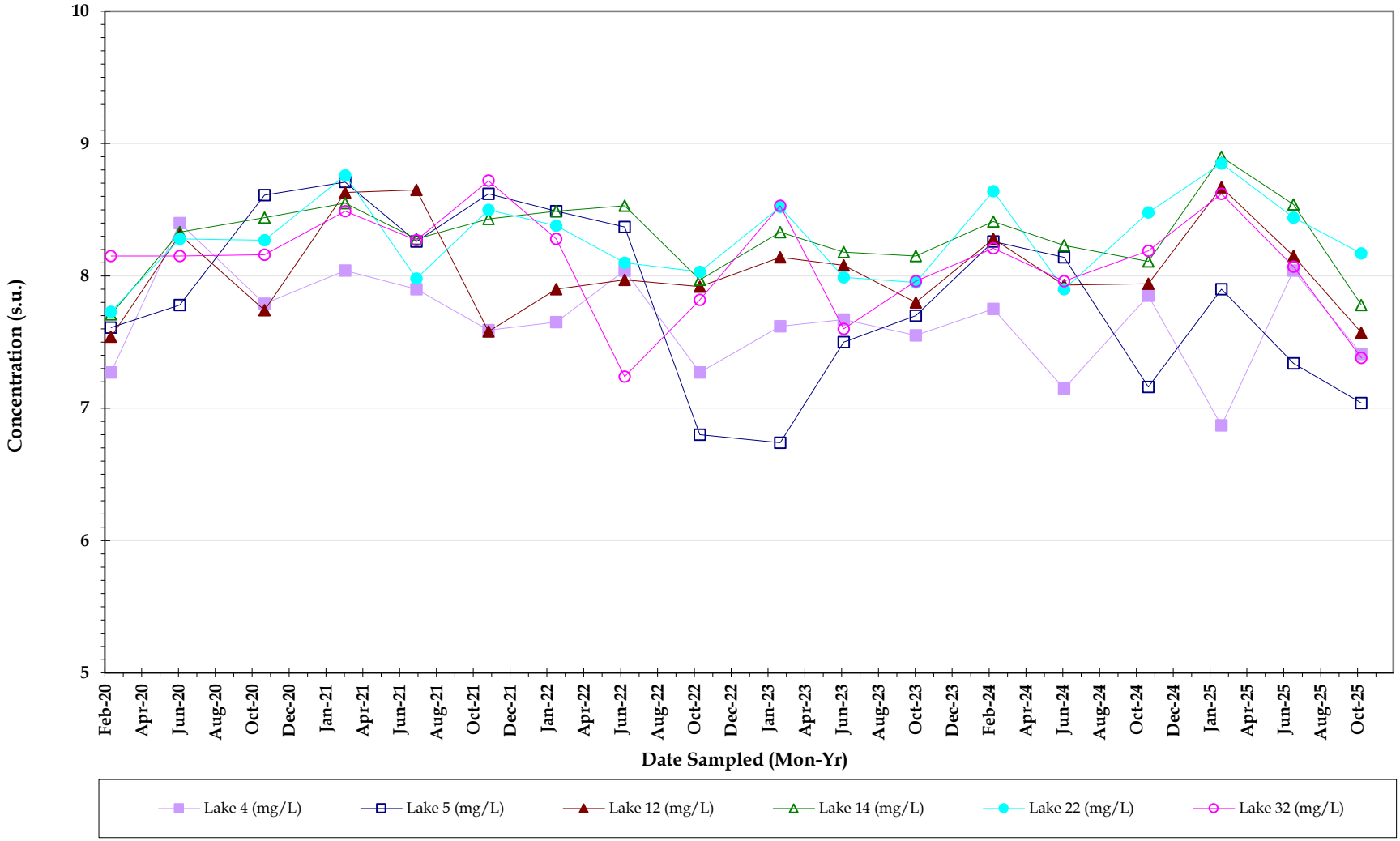


Total kjeldahl nitrogen (TKN)

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

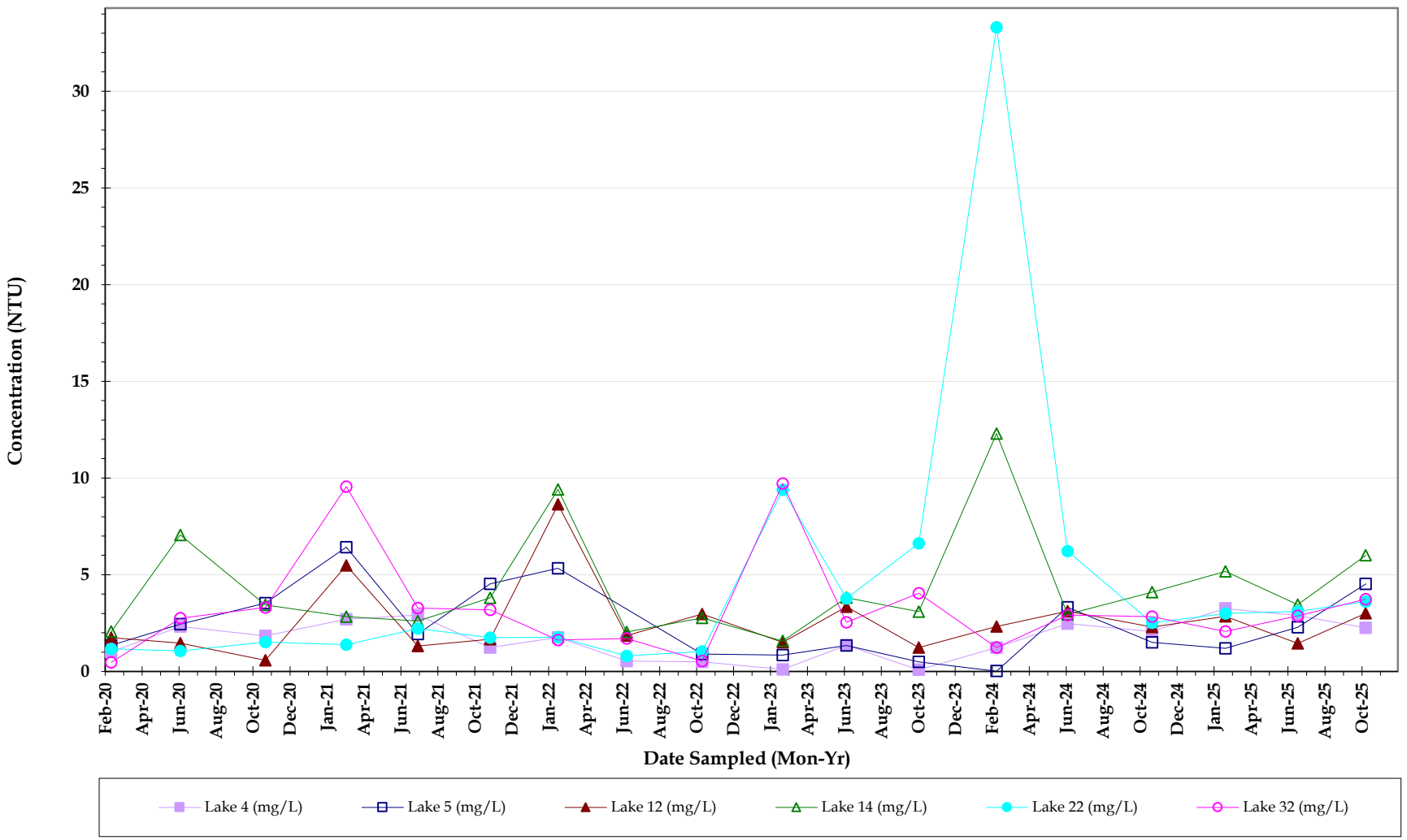


pH, Field

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

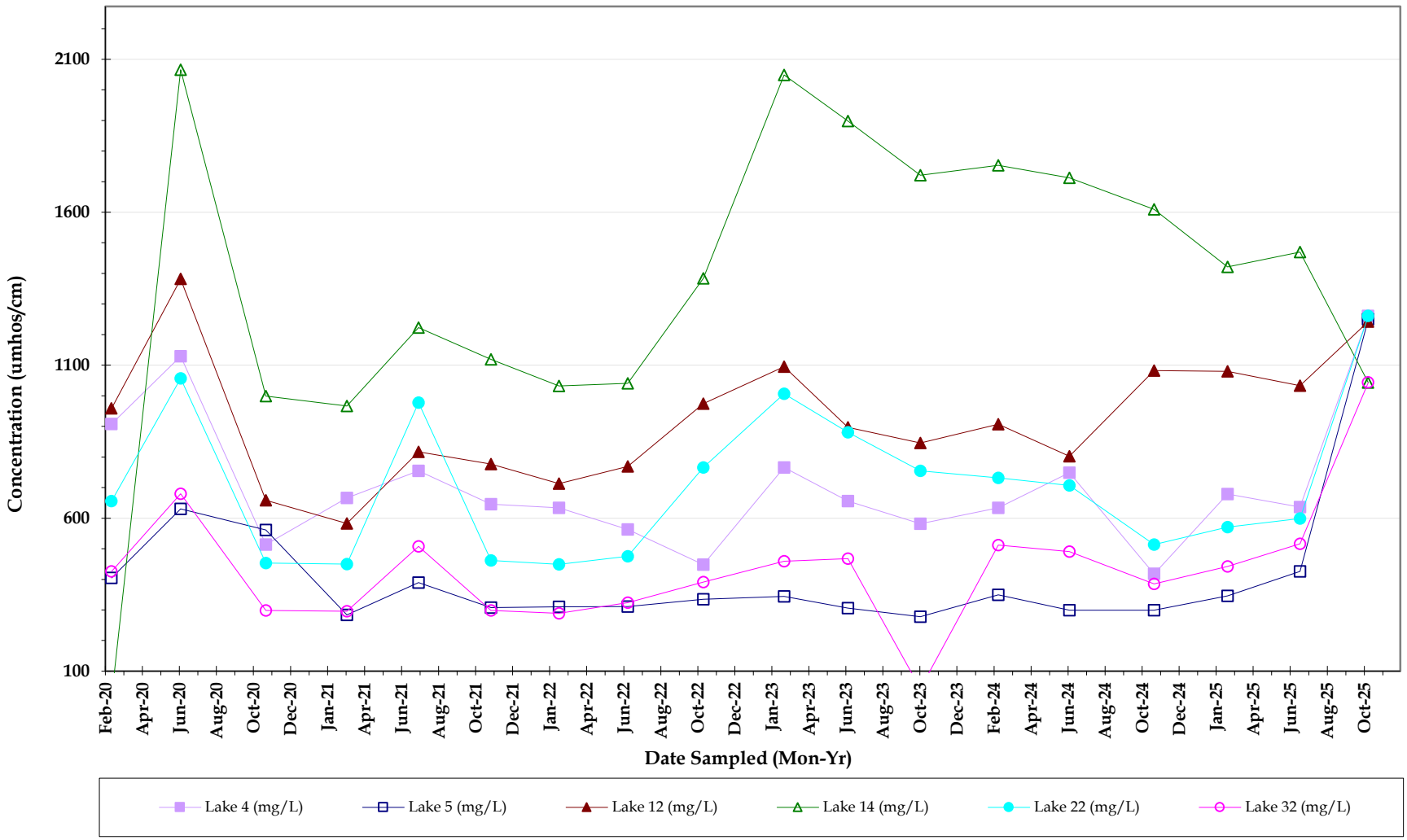


Turbidity

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

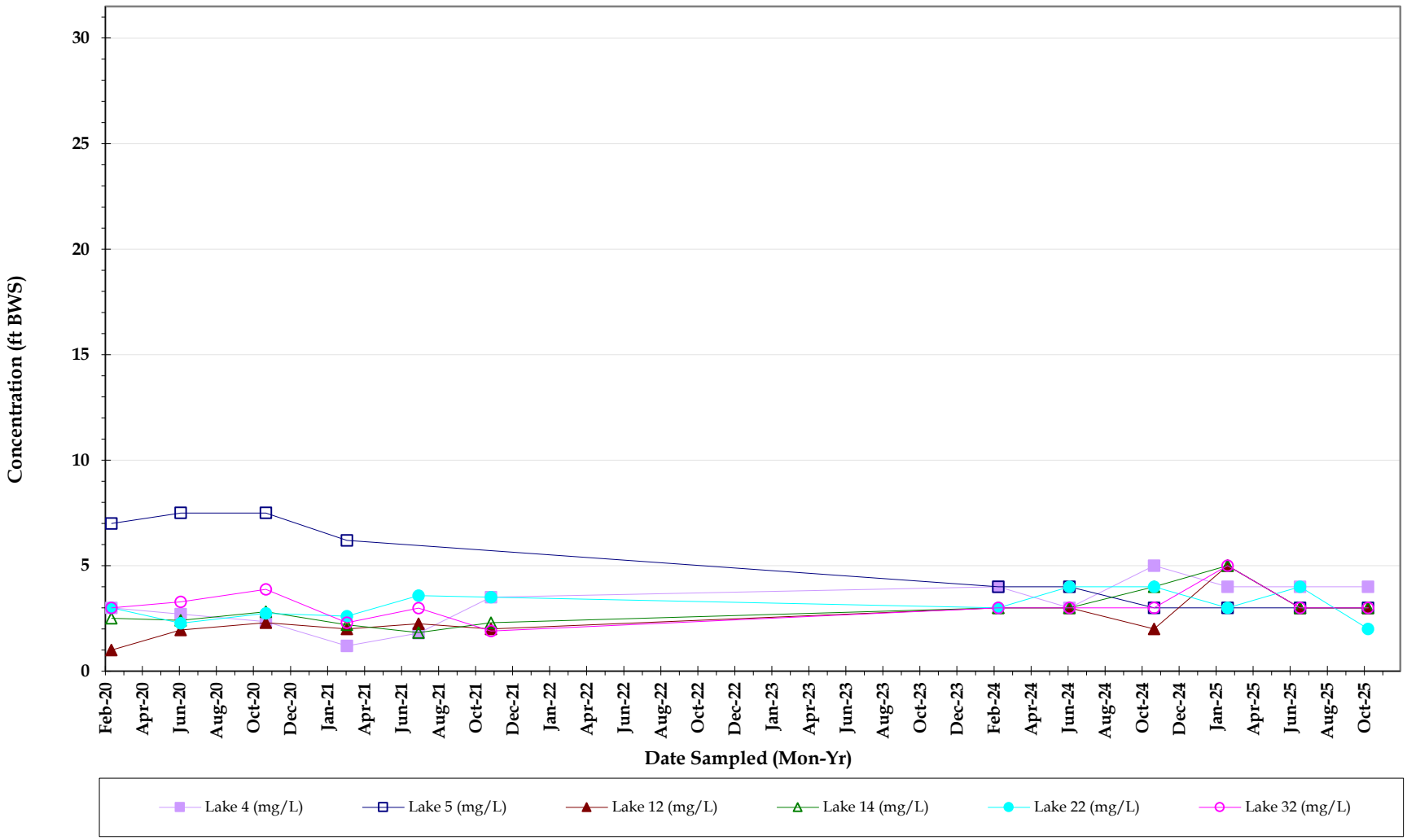


Conductivity

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

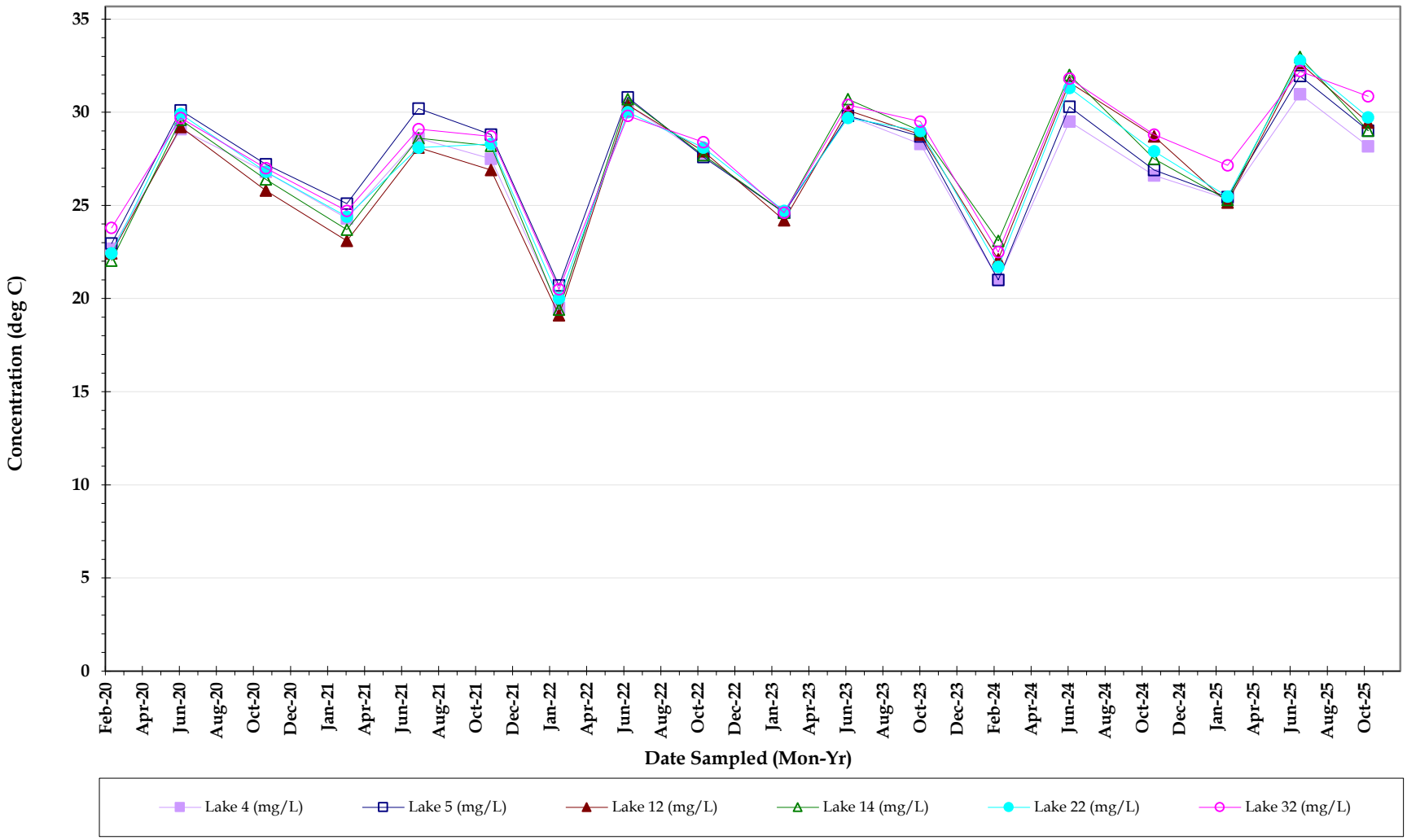


Water Depth

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025



Temperature, sample

Treviso Bay

Water Quality Surface Water Sample results

OCTOBER 2025

Laboratory Analytical Report

FDOH Certification #E84167

BENCHMARK EnviroAnalytical, Inc.

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 25100510

G H D Services, Inc.
2675 Winkler Ave., Ste.180
Fort Myers, FL 33901

Project Name : TREVISO BAY WQM
Date Received : 10/09/2025
Time Received : 15:43

Submission Number: 25100510
Sample Number: 001
Sample Description: LAKE 5
Sample Date: 10/08/2025
Sample Time: 09:05
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.171	MG/L	0.008	0.032	350.1	10/20/2025 13:06	KT/LM
TOTAL KJELDAHL NITROGEN	0.677	MG/L	0.05	0.20	351.2	10/14/2025 13:18	JS
ORTHO PHOSPHORUS AS P	0.003 U	MG/L	0.003	0.012	365.3	10/09/2025 16:44	LM
TOTAL PHOSPHORUS AS P	0.024 I	MG/L	0.008	0.032	365.3	10/10/2025 15:37	KT/LM
CHLOROPHYLL A	7.73	MG/M3	0.25	1.00	445.0	10/15/2025 10:50	KG
TOTAL SUSPENDED SOLIDS	6.80	MG/L	0.570	2.280	SM2540D	10/13/2025 09:51	IR
BIOCHEMICAL OXYGEN DEMAND	1.70 I	MG/L	1	4	SM5210B	10/09/2025 16:53	LD/LD
NITRATE+NITRITE AS N	0.099	MG/L	0.006	0.024	SYSTEA EASY	10/13/2025 13:03	SN
TOTAL NITROGEN	0.776	MG/L	0.05	0.20	SYSTEA+351	10/14/2025 13:18	JS/SN

Submission Number: 25100510
Sample Number: 002
Sample Description: LAKE 4
Sample Date: 10/08/2025
Sample Time: 09:25
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.186	MG/L	0.008	0.032	350.1	10/20/2025 13:10	KT/LM
TOTAL KJELDAHL NITROGEN	0.806	MG/L	0.05	0.20	351.2	10/14/2025 13:25	JS
ORTHO PHOSPHORUS AS P	0.012	MG/L	0.003	0.012	365.3	10/09/2025 17:55	LM
TOTAL PHOSPHORUS AS P	0.020 I	MG/L	0.008	0.032	365.3	10/10/2025 15:38	KT/LM
CHLOROPHYLL A	5.54	MG/M3	0.25	1.00	445.0	10/15/2025 10:50	KG
TOTAL SUSPENDED SOLIDS	6.40	MG/L	0.570	2.280	SM2540D	10/13/2025 09:51	IR
BIOCHEMICAL OXYGEN DEMAND	2.69 I	MG/L	1	4	SM5210B	10/09/2025 16:53	LD/LD
NITRATE+NITRITE AS N	0.096	MG/L	0.006	0.024	SYSTEA EASY	10/13/2025 14:33	SN
TOTAL NITROGEN	0.902	MG/L	0.05	0.20	SYSTEA+351	10/14/2025 13:25	JS/SN

Submission Number: 25100510
Sample Number: 003
Sample Description: LAKE 12

Sample Date: 10/08/2025
Sample Time: 09:50
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.029 I	MG/L	0.008	0.032	350.1	10/20/2025 13:11	KT/LM
TOTAL KJELDAHL NITROGEN	0.495	MG/L	0.05	0.20	351.2	10/14/2025 13:26	JS
ORTHO PHOSPHORUS AS P	0.005 I	MG/L	0.003	0.012	365.3	10/09/2025 17:57	LM
TOTAL PHOSPHORUS AS P	0.024 I	MG/L	0.008	0.032	365.3	10/10/2025 15:39	KT/LM
CHLOROPHYLL A	5.21	MG/M3	0.25	1.00	445.0	10/15/2025 10:50	KG
TOTAL SUSPENDED SOLIDS	4.00	MG/L	0.570	2.280	SM2540D	10/13/2025 09:51	IR
BIOCHEMICAL OXYGEN DEMAND	1.96 I	MG/L	1	4	SM5210B	10/09/2025 16:53	LD/LD
NITRATE+NITRITE AS N	0.024	MG/L	0.006	0.024	SYSTEA EASY	10/13/2025 14:41	SN
TOTAL NITROGEN	0.519	MG/L	0.05	0.20	SYSTEA+351	10/14/2025 13:26	JS/SN

Submission Number: 25100510
Sample Number: 004
Sample Description: LAKE 14

Sample Date: 10/08/2025
Sample Time: 10:20
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.020 I	MG/L	0.008	0.032	350.1	10/20/2025 13:13	KT/LM
TOTAL KJELDAHL NITROGEN	0.619	MG/L	0.05	0.20	351.2	10/14/2025 13:28	JS
ORTHO PHOSPHORUS AS P	0.014	MG/L	0.003	0.012	365.3	10/09/2025 17:58	LM
TOTAL PHOSPHORUS AS P	0.015 I	MG/L	0.008	0.032	365.3	10/10/2025 15:40	KT/LM
CHLOROPHYLL A	25.2	MG/M3	0.25	1.00	445.0	10/15/2025 10:50	KG
TOTAL SUSPENDED SOLIDS	12.4	MG/L	0.570	2.280	SM2540D	10/13/2025 09:51	IR
BIOCHEMICAL OXYGEN DEMAND	4.54	MG/L	1	4	SM5210B	10/09/2025 16:53	LD/LD
NITRATE+NITRITE AS N	0.013 I	MG/L	0.006	0.024	SYSTEA EASY	10/13/2025 13:05	SN
TOTAL NITROGEN	0.632	MG/L	0.05	0.20	SYSTEA+351	10/14/2025 13:28	JS/SN

Submission Number: 25100510
Sample Number: 005
Sample Description: LAKE 22

Sample Date: 10/08/2025
Sample Time: 10:50
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.022 I	MG/L	0.008	0.032	350.1	10/20/2025 13:15	KT/LM
TOTAL KJELDAHL NITROGEN	0.606	MG/L	0.05	0.20	351.2	10/14/2025 13:29	JS
ORTHO PHOSPHORUS AS P	0.005 I	MG/L	0.003	0.012	365.3	10/09/2025 17:59	LM
TOTAL PHOSPHORUS AS P	0.020 I	MG/L	0.008	0.032	365.3	10/10/2025 15:41	KT/LM
CHLOROPHYLL A	9.87	MG/M3	0.25	1.00	445.0	10/15/2025 10:50	KG
TOTAL SUSPENDED SOLIDS	10.4	MG/L	0.570	2.280	SM2540D	10/13/2025 09:51	IR
BIOCHEMICAL OXYGEN DEMAND	2.82 I	MG/L	1	4	SM5210B	10/09/2025 16:53	LD/LD

NITRATE+NITRITE AS N	0.011 I	MG/L	0.006	0.024	SYSTEA EASY	10/13/2025 13:06	SN
TOTAL NITROGEN	0.617	MG/L	0.05	0.20	SYSTEA+351	10/14/2025 13:29	JS/SN

Submission Number: 25100510
Sample Number: 006
Sample Description: LAKE 32

Sample Date: 10/08/2025
Sample Time: 11:20
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.024 I	MG/L	0.008	0.032	350.1	10/20/2025 13:17	KT/LM
TOTAL KJELDAHL NITROGEN	0.415	MG/L	0.05	0.20	351.2	10/14/2025 13:31	JS
ORTHO PHOSPHORUS AS P	0.004 I	MG/L	0.003	0.012	365.3	10/09/2025 18:01	LM
TOTAL PHOSPHORUS AS P	0.015 I	MG/L	0.008	0.032	365.3	10/10/2025 15:42	KT/LM
CHLOROPHYLL A	7.88	MG/M3	0.25	1.00	445.0	10/15/2025 10:50	KG
TOTAL SUSPENDED SOLIDS	5.60	MG/L	0.570	2.280	SM2540D	10/13/2025 09:51	IR
BIOCHEMICAL OXYGEN DEMAND	2.76 I	MG/L	1	4	SM5210B	10/09/2025 16:53	LD/LD
NITRATE+NITRITE AS N	0.015 I	MG/L	0.006	0.024	SYSTEA EASY	10/13/2025 13:06	SN
TOTAL NITROGEN	0.430	MG/L	0.05	0.20	SYSTEA+351	10/14/2025 13:31	JS/SN

Leah Lepore 10/22/2025

Date

Dr. Dale D. Dixon Laboratory Director
Haley Richardson QC Manager / **Leah Lepore** QC Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
B = Results based upon colony counts outside the ideal range.
H = Value based on field kit determination. Results may not be accurate.
I = Reported value is between the laboratory MDL and the PQL.
J1 = Estimated value. Surrogate recovery limits exceeded.
J2 = Estimated value. No quality control criteria exists for component.
J3 = Estimated value. Quality control criteria for precision or accuracy not met.
J4 = Estimated value. Sample matrix interference suspected.
J5 = Estimated value. Data questionable due to improper lab or field protocols.
K = Off-scale low. Value is known to be < the value reported.
L = Off-scale high. Value is known to be > the value reported.
N = Presumptive evidence of presence of material.
O = Sampled, but analysis lost or not performed.
Q = Sample held beyond accepted hold time.
T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.
U = Analyte analyzed but not detected at the value indicated.
V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.
Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.
Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
| = Data deviate from historically established concentration ranges.
? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
* = Not reported due to interference.
Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

NOTES:

MBAS calculated as LAS; molecular weight = 340.
PQL = 4xMDL.
ND = Not detected at or above the adjusted reporting limit.
G1 = Accuracy standard does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data. USEPA letter available upon request.
G2 = Accuracy standard exceeds acceptable control limits. Duplicate and spike values are within control limits. Reported data are usable.

COMMENTS:

Chlorophyll a was lab filtered at E85086 on 10/9/25 at 08:27

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EA South
1001 Corporate Avenue, Suite 102
North Port, FL 34289
(941) 625-3137 / (800) 736-9986
(941) 423-7336 fax
Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7

Benchmark EA, Inc.
1711 12th St. East
Palmetto, FL 34221
(941) 723-9986 / (800) 736-9986
(941) 723-6061-fax
Sample Temperature checked upon receipt at BEA with Temperature Gun ID #258

Client: **GHD Services, Inc.** (HSA ENG)
2675 Winkler Ave. Suite 180
Ft. Myers Fl 33901
Erik Isern (239) 215-3914 Shannon Tucker 239-210-8653
Email EDD Reports to: ~~Connor Haydon~~ (Connor.Haydon@ghd.com)
~~2023 PO# Q1024~~ PO# 340-023264 Jessica.walsh@ghd.com

Kit Shipped to client via UPS Standard in 1 large cooler

Chain of Custody Form: Treviso Lakes WQM

Project Number: 11225022-09 PO# 340-023264 Profile: 840, QC Report

Laboratory Submission #: 25100510

Station ID	Sample Type[1]	Sample Matrix[2]	Parameters, Preservative[4], Container Type[3] / Total # of Containers = 24				Laboratory Submission #
			Unique bottle ID 1A	Unique bottle ID 1B	Unique bottle ID 1C	Unique bottle ID 1D	
			NO_3-NO_2 (Systea easy) TKN (351.2) NH_3 (350.1) TP (365.3) T-N (Calc.)	BOD5 (SM5210B) TSS (SM2540D)	Ortho-Phos (Lab Filtered) (365.3)	Chlorophyll a (445.0) filtered @ BEAS 0827 10/9/25	
			1.1mL 1:4 H_2SO_4 pH<2 ✓ Lot # 25-09	Plain	Plain	Plain	
			1 x ½ Pint Plastic	1 x 2 Quart Plastic	1 x ½ Pint Plastic	1 x 500mL Opaque Plastic	
Lake 5	Grab	SW	Date/Time: 10/8/25	905	•	•	1
Lake 4	Grab	SW	Date/Time: •	925	•	•	2
Lake 12	Grab	SW	Date/Time: •	950	•	•	3
Lake 14	Grab	SW	Date/Time: •	1020	•	•	4
Lake 22	Grab	SW	Date/Time: •	1050	•	•	5
Lake 32	Grab	SW	Date/Time: ↓	1120	•	•	6

Notes:
1. "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2. "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4. **Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).**
5. Under "Preservative," list any preservatives that were added to the sample container. Lot Number of preservative used is specific to the bottles included in the kit. NaThio, H_2SO_4 and HNO_3 do not have expiration dates per the manufacturer. Micro bottles are pre-preserved at manufacturing stage. 40mL vials are pre-preserved at manufacturing stage.
6. 2 Quart plastic bottles are not certified.

Instructions:
1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black inic date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
5. Sample kit has been created by BEA using new, certified bottles unless otherwise noted.

Laboratory Sample Acceptability:
pH <2 : ✓ BEA Temperature: 1.1°C BEAS: 3.4°C

1	Collector & Affiliation: (Print & Sign) Jessica Walsh Jessica Walsh GHD	Date: 10/8/25	Time: 1348	Received By & Affiliation: (Print & Sign) Sydney Ballew BEAS Sydney Ballew	Date: 10/8/25	Time: 1348
2	Relinquished By & Affiliation: (Print & Sign) Sydney Ballew BEAS Sydney Ballew	Date: 10/9/25	Time: 1138	Received By & Affiliation: (Print & Sign) [illegible]	Date: 10/9/25	Time: 1138
3	~~Relinquished By & Affiliation:~~ (Print & Sign) [illegible]	Date: 10/9/25	Time: 1543	Received By & Affiliation: (Print & Sign) Kevin McGarvey BEA	Date: 10/9/25	Time: 1543
4	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
5	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:

BENCHMARK
EnviroAnalytical, Inc.

NELAP Certification #E84167

Submission Number: 25100510
Project Name: TREVISO BAY WQM

QC REPORT

SUBMISSION NUMBER	SAMPLE NUMBER	METHOD	ANALYTE	ANALYSIS DATE/TIME	QC FLAG	QC VALUE	SAMPLE RESULT	LR RESULT	LR %RSD	SPK RESULT	STD-SPK %REC
25100567 - 005	824500	350.1	AMMONIA NITROGEN	10/20/2025 15:24	LR		0.045	0.048	4.14		
		350.1	AMMONIA NITROGEN	10/20/2025 16:26	MB		0.000				
25100511 - 007	824394	350.1	AMMONIA NITROGEN	10/20/2025 13:26	SPK	1.00	0.000			0.971	97.1
		350.1	AMMONIA NITROGEN	10/20/2025 17:34	STD	1.00	1.020				102.0
25100462 - 001	824261	351.2	TOTAL KJELDAHL NITROGEN	10/14/2025 12:35	LR		42.800	43.900	1.75		
		351.2	TOTAL KJELDAHL NITROGEN	10/14/2025 12:23	MB		0.000				
25100464 - 001	824265	351.2	TOTAL KJELDAHL NITROGEN	10/14/2025 12:32	SPK	2.00	0.910			2.820	95.3
		351.2	TOTAL KJELDAHL NITROGEN	10/14/2025 16:07	STD	2.50	2.580				103.0
25100510 - 001	824382	365.3	ORTHO PHOSPHORUS AS P	10/09/2025 17:44	LR		0.000	0.000	0.00		
		365.3	ORTHO PHOSPHORUS AS P	10/09/2025 17:45	MB		0.000				
25100511 - 007	824394	365.3	ORTHO PHOSPHORUS AS P	10/09/2025 17:52	SPK	0.20	0.000			0.191	95.7
		365.3	ORTHO PHOSPHORUS AS P	10/09/2025 17:47	STD	0.20	0.182				91.1
25100488 - 002	824302	365.3	TOTAL PHOSPHORUS AS P	10/10/2025 16:25	LR		1.950	2.460	2.02		
		365.3	TOTAL PHOSPHORUS AS P	10/10/2025 15:19	MB		0.000				
25100486 - 002	824299	365.3	TOTAL PHOSPHORUS AS P	10/10/2025 15:49	SPK	0.20	0.282			0.486	102.0
		365.3	TOTAL PHOSPHORUS AS P	10/10/2025 15:35	STD	0.20	0.181				90.5
25100510 - 001	824382	445.0	CHLOROPHYLL A	10/15/2025 10:50	LR		7.729	7.140	5.63		
		445.0	CHLOROPHYLL A	10/15/2025 10:50	MB		0.000				
		445.0	CHLOROPHYLL A	10/15/2025 10:50	STD	58.44	59.928				102.6
25100543 - 001	824447	SM2540D	TOTAL SUSPENDED SOLIDS	10/13/2025 09:51	LR		268.000	268.000	0.00		
		SM2540D	TOTAL SUSPENDED SOLIDS	10/13/2025 09:51	MB		0.000				
		SM2540D	TOTAL SUSPENDED SOLIDS	10/13/2025 09:51	STD	825.00	804.000				97.5
25100478 - 001	824284	SM5210B	BIOCHEMICAL OXYGEN DEMAND	10/09/2025 16:53	LR		570.600	646.600	8.83		
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	10/09/2025 16:53	MB		0.000				
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	10/09/2025 16:53	STD	198.00	201.650				101.8

QC FLAGS: MB or BLK = METHOD BLANK LR = LAB REPLICATE MSD = MATRIX SPIKE DUPLICATE STD or LCS = STANDARD SPK or MS = MATRIX SPIKE

SUBMISSION NUMBER	SAMPLE NUMBER	METHOD	ANALYTE	ANALYSIS DATE/TIME	QC FLAG	QC VALUE	SAMPLE RESULT	LR RESULT	LR %RSD	SPK RESULT	STD-SPK %REC
25100510 - 001	824382	SYSTEA EASY	NITRATE+NITRITE AS N	10/13/2025 13:03	LR		0.310	0.296	3.31		
		SYSTEA EASY	NITRATE+NITRITE AS N	10/13/2025 13:00	MB		0.000				
25100510 - 001	824382	SYSTEA EASY	NITRATE+NITRITE AS N	10/13/2025 13:03	SPK	0.20	0.099			0.310	105.0
		SYSTEA EASY	NITRATE+NITRITE AS N	10/13/2025 13:01	STD	0.25	0.249				99.4

Comments:

Surface Water Field Sheets

DEP-SOP-001/01: Form FD 9000-8

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#) YSI Pro Plus **INSTRUMENT #** 5254

☒ **pH**

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 4.0 SU

Standard B 7.0 SU

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
10/8/25	854	a	4	3.99	0.3	yes	init	JW
↓	856	B	7	7.07	1	yes	init	↓
↓	1127	a	4	4.04	1	no	cont	↓
↓	1129	B	7	6.92	1.1	no	cont	↓

☒ **CONDUCTIVITY**

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1413 umhos/cm

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
10/8/25	850	a	1413	1415	0.1	yes	init	JW
↓	1131	a	1413	1502	6.3	no	cont	↓

☒ **DO**

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Saturated Air Chamber/100%

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
10/8/25	848	a	100	95.2	4.6	yes	init	JW
↓	1125	a	100	103.3	3.3	no	cont	↓

DEP-SOP-001/01: Form FD 9000-8

INSTRUMENT (MAKE/MODEL#) Hach 2100Q **INSTRUMENT #** ____

☒ **TURBIDITY**

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 20 NTU

Standard B 100 NTU

Standard C 800 NTU

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
10/8/25	850	a	20	19.5	2.5	yes	init	zw
	851	B	100	105	5	yes	init	
	852	C	800	803	0.4	yes	init	
	1122	a	20	22.2	11	no	cont	
	1123	B	100	104	4	no	cont	
	1124	C	800	798	0.3	no	cont	

INSTRUMENT (MAKE/MODEL#) ____ **INSTRUMENT #** ____

☒ **ORP**

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A ____

Standard B ____

Standard C ____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS

SURFACE WATER FIELD SHEET
Station Information

Trwiso Bay

STATION ID: Lake 5

LOCATION: OFF of S bank

DATE/TIME: 10/8/25 905

ALL TIMES ARE: (ETZ) or CTZ (circle one)

WATERBODY TYPE: (Circle One)
(Small Lake (>4 and <10HA) (collect samples in middle of open water)) Large Lake (>10HA) (collect samples at selected location point)
Small Stream (collect samples in representative area) Large River (collect samples in representative area)

Water Characteristics

TOTAL WATER DEPTH: 3 (feet) (Average of 2 measurements) Sample Depth: 1.5 (feet)

STREAM FLOW: (Circle One if applicable) No Flow (Flow within Banks) Flood Conditions

WATER LEVEL: (Circle One) Low (Normal) High

WATER SAMPLE COLLECTION DEVICE (Circle One) Van Dorn Direct Grab with Sample Bottle (Dipper) Other _____

Field Measurements Meter ID# 5254 **Field Measurements Read By:** (initials) JW

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
905	1.5	7.04	4.63	60.5	29.01	1250	4.53
Time (24 hr.)	Bottom Depth Collected (feet)	pH (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)

*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: —

Samples immediately placed on ice? (Yes) No

WEATHER CONDITIONS: (circle) raining, (clear,) partly cloudy, windy

PERSONNEL ON SITE: Jessica Walton

REMARKS:

SURFACE WATER FIELD SHEET
Station Information

STATION ID: Lake 4

LOCATION: OFF OF weir

DATE/TIME: 10/8/25 925

ALL TIMES ARE: (ETZ) or CTZ (circle one)

WATERBODY TYPE: (Circle One)
- Small Lake ~~(>4 and <10HA)~~ (collect samples in middle of open water)
- Large Lake (>10HA) (collect samples at selected location point)
- ~~Small Stream~~ (collect samples in representative area)
- Large River (collect samples in representative area)

Water Characteristics

TOTAL WATER DEPTH: (Average of 2 measurements) 4 (feet) Sample Depth: 2 (feet)

STREAM FLOW: (Circle One if applicable) No Flow / (Flow within Banks) / Flood Conditions

WATER LEVEL: (Circle One) Low / (Normal) / High

WATER SAMPLE COLLECTION DEVICE (Circle One) Van Dorn / Direct Grab with Sample Bottle / (Dipper) / Other

Field Measurements Meter ID# 5254 **Field Measurements Read By:** (initials) JW

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
925	2	7.41	4.10	52.8	28.17	1261	2.26
Time (24 hr.)	**Bottom Depth Collected (feet)**	**pH (SU)**	**D.O.(mg./L)**	**D.O. (%)**	**Temp (°C)**	**Conductivity (µmhos/cm)**	**Turbidity (NTU)**

*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: —

Samples immediately placed on ice? (Yes) No

WEATHER CONDITIONS: (circle) raining, (clear), partly cloudy, windy

PERSONNEL ON SITE: JW

REMARKS:

SURFACE WATER FIELD SHEET
Station Information

STATION ID: Lake 12

LOCATION: OFF of N bank

DATE/TIME: 10/8/25 950

ALL TIMES ARE: (ETZ) or CTZ (circle one)

WATERBODY TYPE: (Circle One)
- Small Lake ~~(>4 and <10HA)~~ (collect samples in middle of open water)
- Large Lake (>10HA) (collect samples at selected location point)
- Small Stream (collect samples in representative area)
- Large River (collect samples in representative area)

Water Characteristics

TOTAL WATER DEPTH: 3 (feet) (Average of 2 measurements)

Sample Depth: 1.5 (feet)

STREAM FLOW: (Circle One if applicable) — No Flow / (Flow within Banks) / Flood Conditions

WATER LEVEL: (Circle One) — Low / (Normal) / High

WATER SAMPLE COLLECTION DEVICE (Circle One) — Van Dorn / Direct Grab with Sample Bottle / (Dipper) / Other _____

Field Measurements Meter ID# 5254 **Field Measurements Read By:** (initials) AW

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
950	1.5	7.57	4.98	66.9	29.45	1242	3.01
Time (24 hr.)	**Bottom Depth Collected (feet)**	**pH (SU)**	**D.O.(mg./L)**	**D.O. (%)**	**Temp (°C)**	**Conductivity (µmhos/cm)**	**Turbidity (NTU)**

*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: —

Samples immediately placed on ice? (Yes) No

WEATHER CONDITIONS: (circle) raining, (clear), partly cloudy, windy

PERSONNEL ON SITE: AW

REMARKS:

SURFACE WATER FIELD SHEET
Station Information

STATION ID: Lake 14

LOCATION: OFF OF W bank

DATE/TIME: 10/8/25 1020

ALL TIMES ARE: (ETZ) or CTZ (circle one)

WATERBODY TYPE: (Circle One)
- Small Lake (>4 and <10HA) (collect samples in middle of open water) — (circled)
- Large Lake (>10HA) (collect samples at selected location point)
- Small Stream (collect samples in representative area)
- Large River (collect samples in representative area)

Water Characteristics

TOTAL WATER DEPTH: 3 (feet) (Average of 2 measurements) Sample Depth: 1.5 (feet)

STREAM FLOW:	(Circle One if applicable)	No Flow	Flow within Banks (circled)	Flood Conditions	
WATER LEVEL:	(Circle One)	Low	Normal (circled)	High	
WATER SAMPLE COLLECTION DEVICE	(Circle One)	Van Dorn	Direct Grab with Sample Bottle	Dipper (circled)	Other ____

Field Measurements Meter ID# 5254 **Field Measurements Read By:** (initials) JW

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1020	1.5	7.78	6.16	81.1	19.01	1043	6.00
Time (24 hr.)	**Bottom Depth Collected (feet)**	**pH (SU)**	**D.O.(mg./L)**	**D.O. (%)**	**Temp (°C)**	**Conductivity (µmhos/cm)**	**Turbidity (NTU)**

*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: —

Samples immediately placed on ice? (Yes) No

WEATHER CONDITIONS: (circle) raining, (clear), partly cloudy, windy

PERSONNEL ON SITE: JW

REMARKS:

SURFACE WATER FIELD SHEET
Station Information

STATION ID: Lake 22

LOCATION: OFF OF S bank

DATE/TIME: 10/8/25 1050

ALL TIMES ARE: (ETZ) or CTZ (circle one)

WATERBODY TYPE: (Circle One)
- Small Lake (>4 and <10HA) (collect samples in middle of open water) — (circled)
- Large Lake (>10HA) (collect samples at selected location point)
- Small Stream (collect samples in representative area)
- Large River (collect samples in representative area)

Water Characteristics

TOTAL WATER DEPTH: 2 (feet) (Average of 2 measurements)

Sample Depth: 1 (feet)

STREAM FLOW: (Circle One if applicable) — No Flow; (Flow within Banks); Flood Conditions

WATER LEVEL: (Circle One) — Low; (Normal); High

WATER SAMPLE COLLECTION DEVICE (Circle One) — Van Dorn; Direct Grab with Sample Bottle; (Dipper); Other _____

Field Measurements Meter ID# 5254 **Field Measurements Read By:** (initials) JW

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1050	1	8.17	6.37	85.5	24.72	1261	~~3.62~~
Time (24 hr.)	Bottom Depth Collected (feet)	pH (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
							3.62

*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: _____

Samples immediately placed on ice? (Yes) No

WEATHER CONDITIONS: (circle) raining, (clear), partly cloudy, windy

PERSONNEL ON SITE: JW

REMARKS: _____

SURFACE WATER FIELD SHEET
Station Information

STATION ID: Lake 32

LOCATION: OFF of N bank

DATE/TIME: 10/8/25 1120

ALL TIMES ARE: (ETZ) or CTZ (circle one)

WATERBODY TYPE: (Circle One)
(Small Lake (>4 and <10HA) (collect samples in middle of open water)) Large Lake (>10HA) (collect samples at selected location point)
Small Stream (collect samples in representative area) Large River (collect samples in representative area)

Water Characteristics

TOTAL WATER DEPTH: 3 (feet) (Average of 2 measurements) Sample Depth: 1.5 (feet)

STREAM FLOW: (Circle One if applicable) No Flow (Flow within Banks) Flood Conditions

WATER LEVEL: (Circle One) Low (Normal) High

WATER SAMPLE COLLECTION DEVICE (Circle One) Van Dorn Direct Grab with Sample Bottle (Dipper) Other _____

Field Measurements Meter ID# 5252 **Field Measurements Read By:** (initials) JW

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1120	1.5	7.38	5.88	78.7	30.86	1044	3.74
Time (24 hr.)	Bottom Depth Collected (feet)	pH (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)

*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: —

Samples immediately placed on ice? (Yes) No

WEATHER CONDITIONS: (circle) raining, clear, (partly cloudy,) windy

PERSONNEL ON SITE: JW

REMARKS:

Benchmark EA South
1001 Corporate Avenue, Suite 102
North Port, FL 34289
(941) 625-3137 / (800) 736-9986
(941) 423-7336 fax
Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7

Benchmark EA, Inc.
1711 12th St. East
Palmetto, FL 34221
(941) 723-9986 / (800) 736-9986
(941) 723-6061-fax
Sample Temperature checked upon receipt at BEA with Temperature Gun ID #258

Client: **GHD Services, Inc.** (HSA ENG)
2675 Winkler Ave. Suite 180
Ft. Myers Fl 33901
Erik Isern (239) 215-3914 Shannon Tucker 239-210-8653
Email EDD Reports to: ~~Connor Haydon (Connor.Haydon@ghd.com)~~
~~2023 PO# Q1024~~ Jessica.walsh@ghd.com

Kit Shipped to client via UPS Standard in 1 large cooler

PO# 340-023264

Chain of Custody Form: Treviso Lakes WQM

Project Number: 11225022-09 PO# 340-023264 Profile: 840, QC Report

Laboratory Submission #:

Station ID	Sample Type[1]	Sample Matrix[2]	Parameters. Preservative[4]. Container Type[3] / Total # of Containers = 24				Laboratory Submission #
			Unique bottle ID 1A	Unique bottle ID 1B	Unique bottle ID 1C	Unique bottle ID 1D	
			NO_3-NO_2 (Systea easy) TKN (351.2) NH_3 (350.1) TP (365.3) T-N (Calc.)	BOD5 (SM5210B) TSS (SM2540D)	Ortho-Phos (Lab Filtered) (365.3)	Chlorophyll a (445.0)	
			1.1mL 1:4 H_2SO_4 pH<2 □ Lot # 25-09	Plain	Plain	Plain	
			1 x ½ Pint Plastic	1 x 2 Quart Plastic	1 x ½ Pint Plastic	1 x 500mL Opaque Plastic	
Lake 5	Grab	SW	Date/Time: 10/8/25 905				
Lake 4	Grab	SW	Date/Time: 925				
Lake 12	Grab	SW	Date/Time: 950				
Lake 14	Grab	SW	Date/Time: 1020				
Lake 22	Grab	SW	Date/Time: 1050				
Lake 32	Grab	SW	Date/Time: 1120				

Notes:
1. "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2. "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4. Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
5. Under "Preservative," list any preservatives that were added to the sample container. Lot Number of preservative used is specific to the bottles included in the kit. NaThio, H_2SO_4 and HNO_3 do not have expiration dates per the manufacturer. Micro bottles are pre-preserved at manufacturing stage. 40mL vials are pre-preserved at manufacturing stage.
6. 2 Quart plastic bottles are not certified.

Instructions:
1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
5. Sample kit has been created by BEA using new, certified bottles unless otherwise noted.

Laboratory Sample Acceptability:
pH <2 : □ BEA Temperature:

		Date:	Time:		Date:	Time:
1	Collector & Affiliation: (Print & Sign) Jessica Walsh GHD	10/8/25	1348	Received By & Affiliation: (Print & Sign) Sydney BAILEW BE AS Sydney Ballew	10/8/25	
2	Relinquished By & Affiliation: (Print & Sign) Sydney BAILEW			Received By & Affiliation: (Print & Sign)		
3	Relinquished By & Affiliation: (Print & Sign)			Received By & Affiliation: (Print & Sign)		
4	Relinquished By & Affiliation: (Print & Sign)			Received By & Affiliation: (Print & Sign)		
5	Relinquished By & Affiliation: (Print & Sign)			Received By & Affiliation: (Print & Sign)		

Laboratory Data Compliance Memo

Data Compliance Report

November 5, 2025

To	Mr. Richard Freeman Manager of Field Operations Calvin, Giordano & Associates, Inc. 1800 Eller Drive, Suite 600 Fort Lauderdale, FL 33316	**Contact No.**	954-644-9630
Copy to	File	**Email**	Sheri.Finn@ghd.com
From	Sheri Finn/cs/55	**Project No.**	11225022
Project Name	Wentworth Estates (Treviso Bay) Surface Water Sampling		
Subject	Analytical Results Compliance Report Surface Water Quality Monitoring Wentworth Estates (Treviso Bay) Naples, Florida October 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Compliance Review

Samples were collected in October 2025 in support of the Wentworth Estates (Treviso Bay) Surface Water Quality Monitoring sampling. The analytical results are summarized in Table 1. All samples were prepared and analyzed within the method required holding times. The method blank results were non-detect. All reported laboratory control sample (LCS) analyses demonstrated acceptable accuracy. Laboratory duplicate analyses were performed for some analytes. All results were acceptable, indicating good analytical precision. The matrix spike (MS) results were evaluated per the laboratory limits. The MS analyses performed were acceptable, demonstrating good analytical accuracy.

Based on this compliance review, the results in Table 1 are acceptable for use.

Regards,

Sheri Finn
Analyst