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

Our ref: 11225022-17

July 11, 2025

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

Water Quality Monitoring – June 2025 – Treviso Bay

Dear Mr. Freeman:

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

1. Water Quality Sampling – June 2025

The June 18, 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 per 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, orthophosphorus, and chlorophyll-*a*.

All samples collected during the June 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 June 2025 sampling event represents the second analysis for 2025. Laboratory results are displayed visually in the trend graphs enclosed.

All lakes' water levels were relatively normal during the June 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 evidence of algae was noted at any of the sampling locations during the June 2025 sampling event.

It appears that between the prior sampling event in February 2025 and the recent sampling event conducted on June 18, 2025:

- BOD levels remain consistent and are either below the method detection limit (MDL, noted by a "U" following the result) or between the method detection limit and practical quantitation limit (PQL, noted by an "I" following the result).
- The average chlorophyll-*a* concentration slightly increased, from 5.94 mg/m^3 to 6.01 mg/ m^3.
- The average concentration of dissolved oxygen (%) decreased, from 77.22% to 73.63%.
- The average concentration of total nitrogen remained consistent, from 0.612 mg/L to 0.610 mg/L.
- The average concentration of total phosphorus slightly increased, from 0.015 mg/L to 0.025 mg/L.
- The average turbidity slightly decreased, from 2.93 NTU to 2.68 NTU.
- The average TSS slightly decreased, from 3.43 mg/L to 2.8 mg/L.
- The average conductivity increased, from 756.50 µS/cm to 780 µS/cm.
- The average pH decreased, from 8.30 SU to 8.10 SU.
- The average temperature significantly increased, from 25.64°C to 32.25°C.

The average pH decreased by about 0.2 SU, whereas the temperature increased by about 6.61°C. The highest temperature and pH were displayed at Lake 14 (32.96°C and 8.54 SU, respectively).

No sampling location during the June 2025 sampling event resulted in BOD concentrations in exceedance of the PQL. The results are consistent with historical sampling events.

As noted above, there was no visual evidence of algae at any of the sampling locations during the June 2025 sampling event. The average chlorophyll-*a* levels have slightly increased since the previous sampling event. However, concentrations remain relatively low. Chlorophyll-*a* concentrations decreased at Lake 4, Lake 14, and Lake 12. Concentrations at all other sampling locations increased. 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 5 (10.2 mg/m^3). This value represents an increase in chlorophyll-*a* concentration when compared to the previous February 2025 sampling event (2.30 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 October 2025.

The highest concentration of DO was observed at Lake 14 (84.0%), and the lowest was at Lake 32 (62.0%). The dissolved oxygen content at the water quality locations is anticipated to fluctuate throughout the year given the temperature of the water. All sampling locations displayed a decreasing or consistent trend in DO when compared to the previous sampling event, except for Lake 14 and Lake 22, which increased. 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 (0.710 mg/L) which is an increase compared to the previous sampling event. Lake 14 displayed the highest concentration of TKN (0.684 mg/L), which is a decrease compared to the previous sampling event. The total nitrogen concentration decreased at Lake 12, Lake 14 and Lake 22 and increased at Lake 32, Lake 4, and Lake 5. 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 Lake 22 (0.049 mg/L), which represents a slight increase for the location when compared to the previous sampling event. All sampling locations displayed increasing or consistent trends in total phosphorus.

The concentration of orthophosphate has historically fluctuated. The concentration of orthophosphate displays decreasing or consistent trends at all sampling locations.

The highest concentration of TSS was displayed at both Lake 14 and Lake 22 (4.80 mg/L), which is consistent with the previous sampling event. All sampling locations displayed a decreasing trend when compared to the previous sampling event, except for Lake 5 and Lake 22, which both increased. In correspondence, the highest level of turbidity was also recorded at Lake 14 (3.45 NTU), which decreased since the previous sampling event. The turbidity within Lake 5 increased compared to the previous sampling event. All other locations either remained consistent or 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) – Lakes 4, 5, 22, 32
– Nitrogen Limited (TN/TP<10) – None
– Phosphorus Limited (TN/TP>30) – Lakes 14, 12

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
44.61	46.69	33.13	40.58	46.59	39.38

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. Conclusions and Recommendations

The TN/TP ratio of each location is nutrient balanced or phosphorus-limited. This infers that additional inputs of phosphorus within Lakes 12 and 14 could result in elevated chlorophyll-*a* concentrations and potentially lead to algae growth within the water body. In contrast, all sampling locations were nitrogen-limited during the previous sampling event.

No evidence of algae was noted at any of the sampling locations during the June 2025 sampling event. The concentration of chlorophyll-*a* in Lake 5 slightly exceeded the defined standard of 10 mg/m^3. However, concentrations remain relatively low at all sampling locations.

The levels of dissolved oxygen decreased or remained consistent at all sampling locations when compared to the previous sampling event, except for Lake 14 and Lake 22, where it increased. However, all locations continue to display DO concentrations far above the defined standard of 38%.

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 do not appear to be any water quality concerns at this time. 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 October 2025. Please contact Jessica Walsh at the email or phone number below if you have questions or need additional information.

Sincerely,

GHD

Madison Mullen
Environmental Scientist
Madison.Mullen@ghd.com
239-413-4926

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

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Table
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Surface Water Field Sheets

Data Table

Table 1

Analytical Results Summary
Surface Water Quality Monitoring
Treviso Bay, Naples, Florida
June 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**
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
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
Conductivity, field	umhos/cm	908	1129	514	666	755	646	634	563	448	766	656	582	634	749	418	679	636
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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**
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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**
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
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
Conductivity, field	umhos/cm	959	1382	658	583	817	777	713	769	974	1095	897	846	907	802	1082	1080	1033
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Table 1

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

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**
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
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
Conductivity, field	umhos/cm	14.67	2066	999	967	1223	1119	1032	1041	1384	2049	1898	1721	1753	1712	1609	1421	1470
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
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
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
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
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
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
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
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
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
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
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
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
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
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

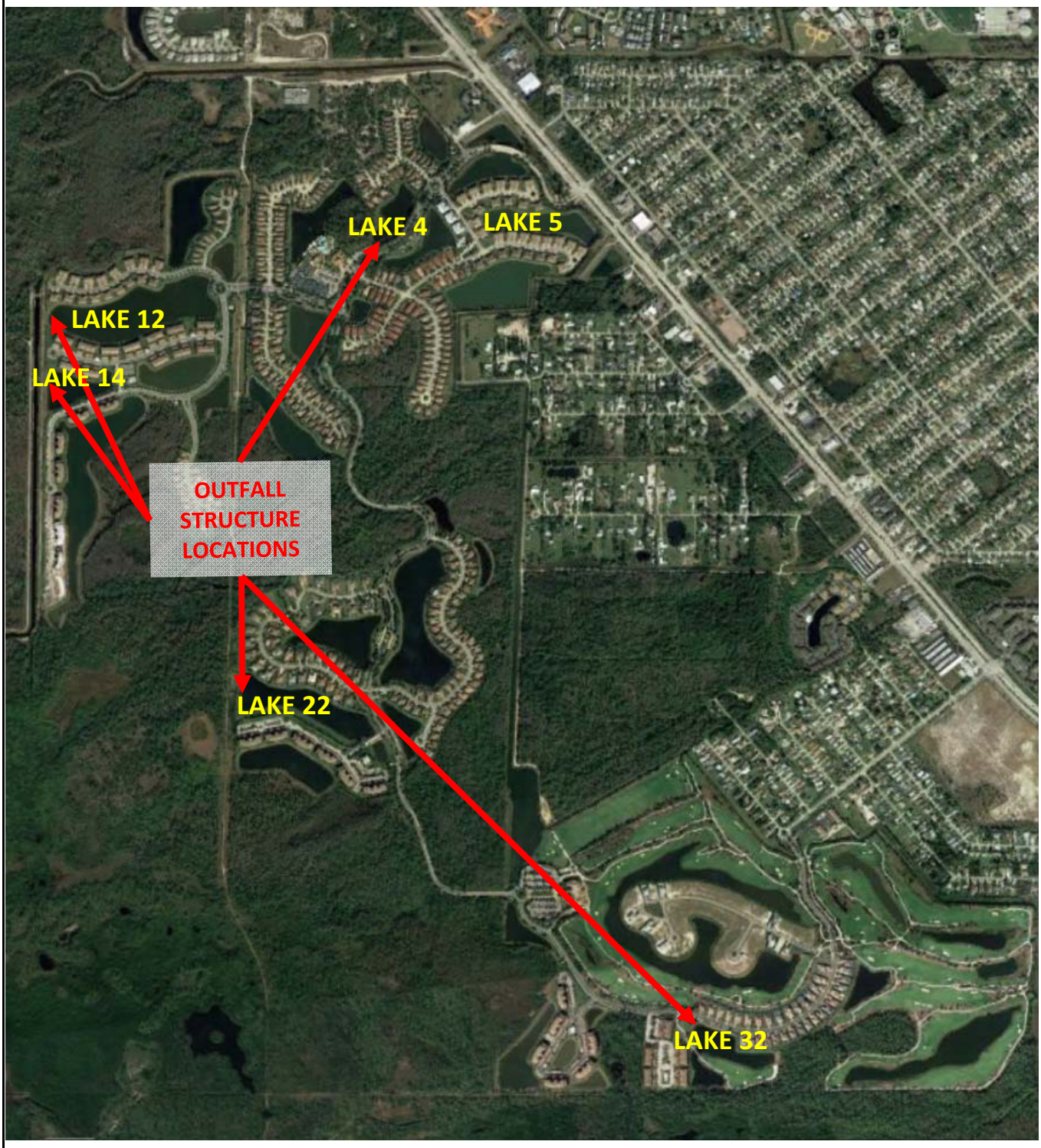
Sample Location/Sample ID:		Lake 22																
Sample Date:		**02/17/20**	**06/04/20**	**10/22/20**	**03/04/21**	**06/30/21**	**10/27/21**	**02/16/22**	**06/09/22**	**10/11/22**	**02/21/23**	**06/06/23**	**10/03/23**	**02/08/24**	**06/04/24**	**10/21/24**	**02/19/25**	**06/18/25**
Field Parameters	**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
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
Conductivity, field	umhos/cm	656	1057	453	450	978	462	449	475	766	1007	881	755	732	707	514	571	599
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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**
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
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
Conductivity, field	umhos/cm	426	680	298	296	508	298	289	324	391	459.4	468	43.2	512	491	385	442	516
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

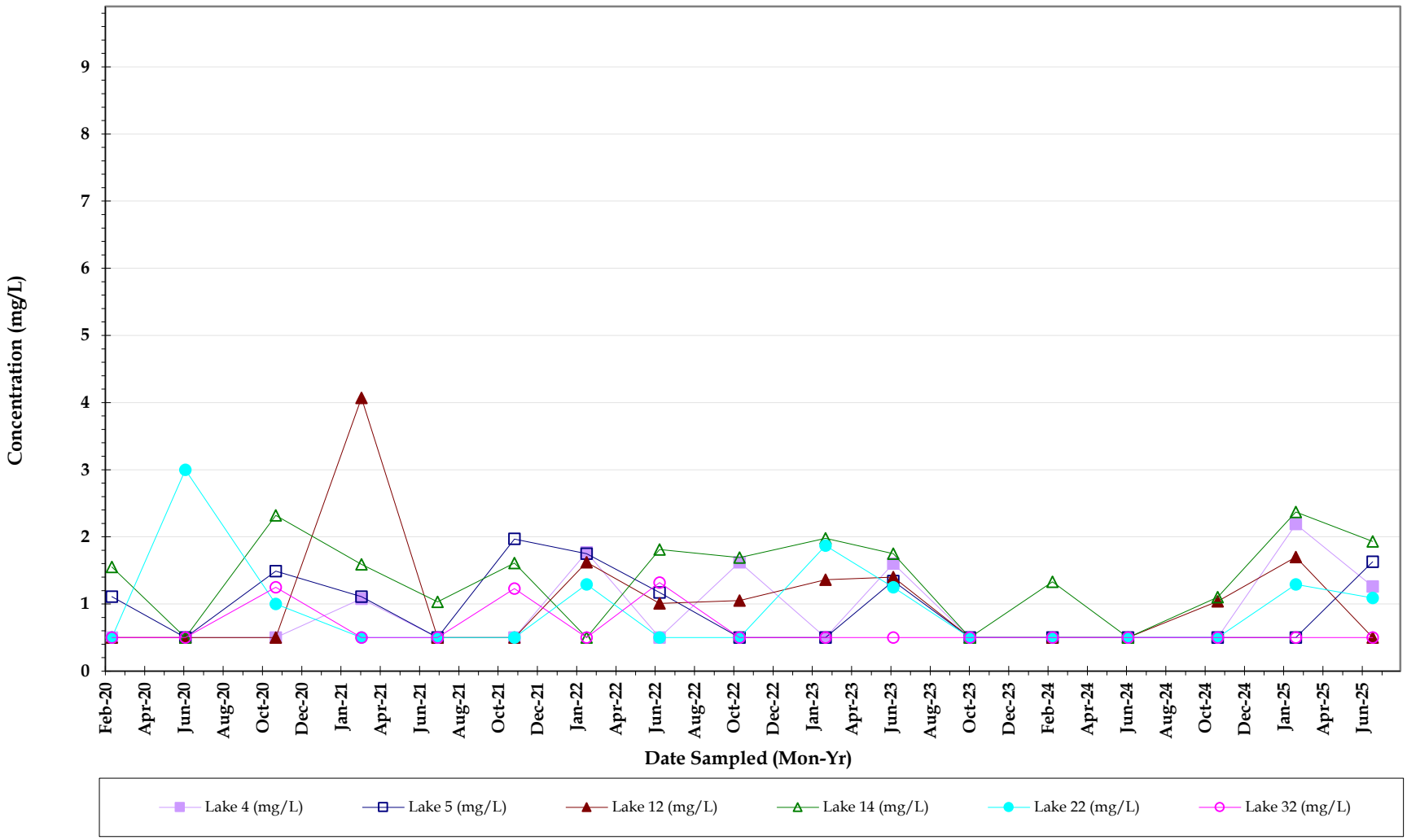
11225022-01

30-June-21

SAMPLE LOCATION MAP

FIGURE NO. 1

Trend Graphs

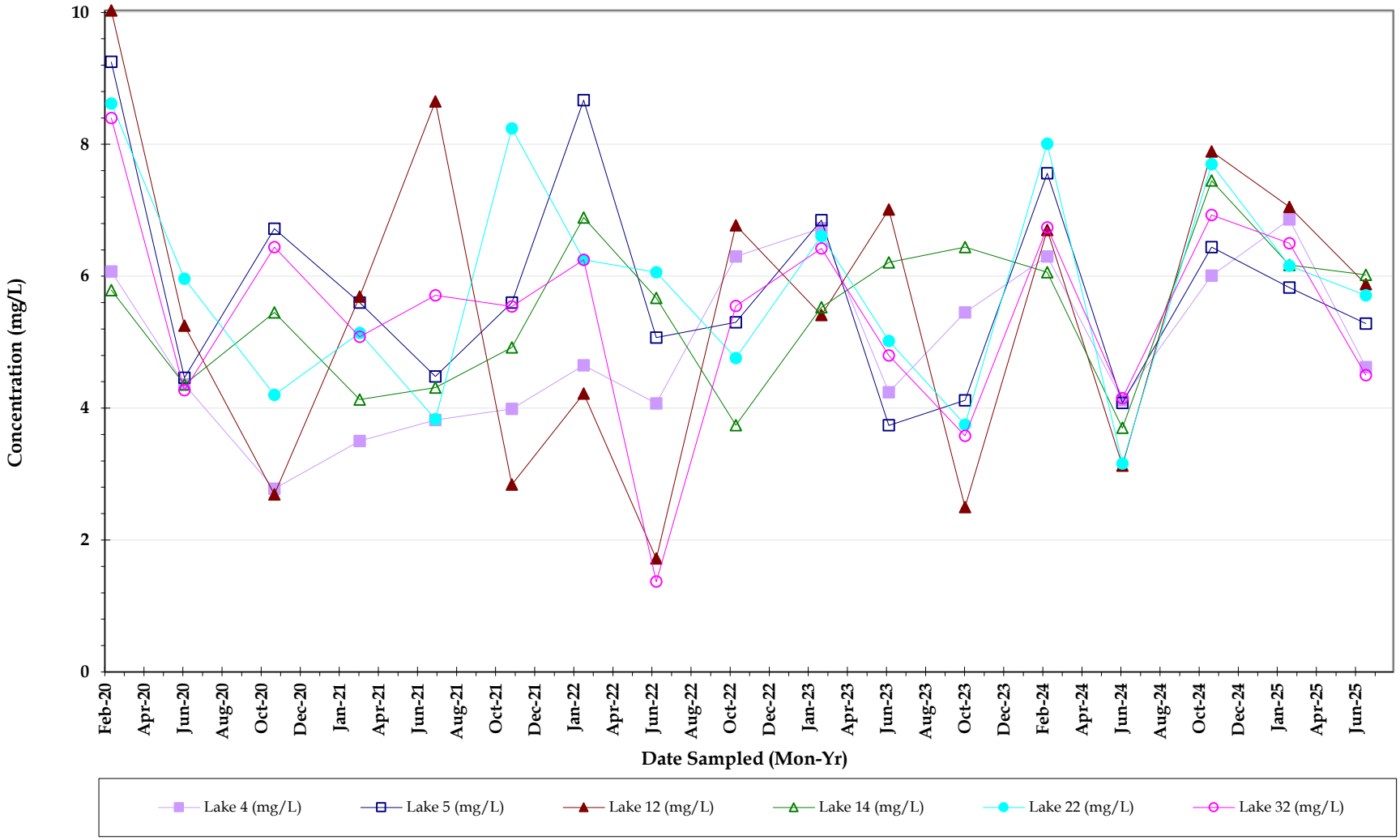


Biochemical Oxygen Demand

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

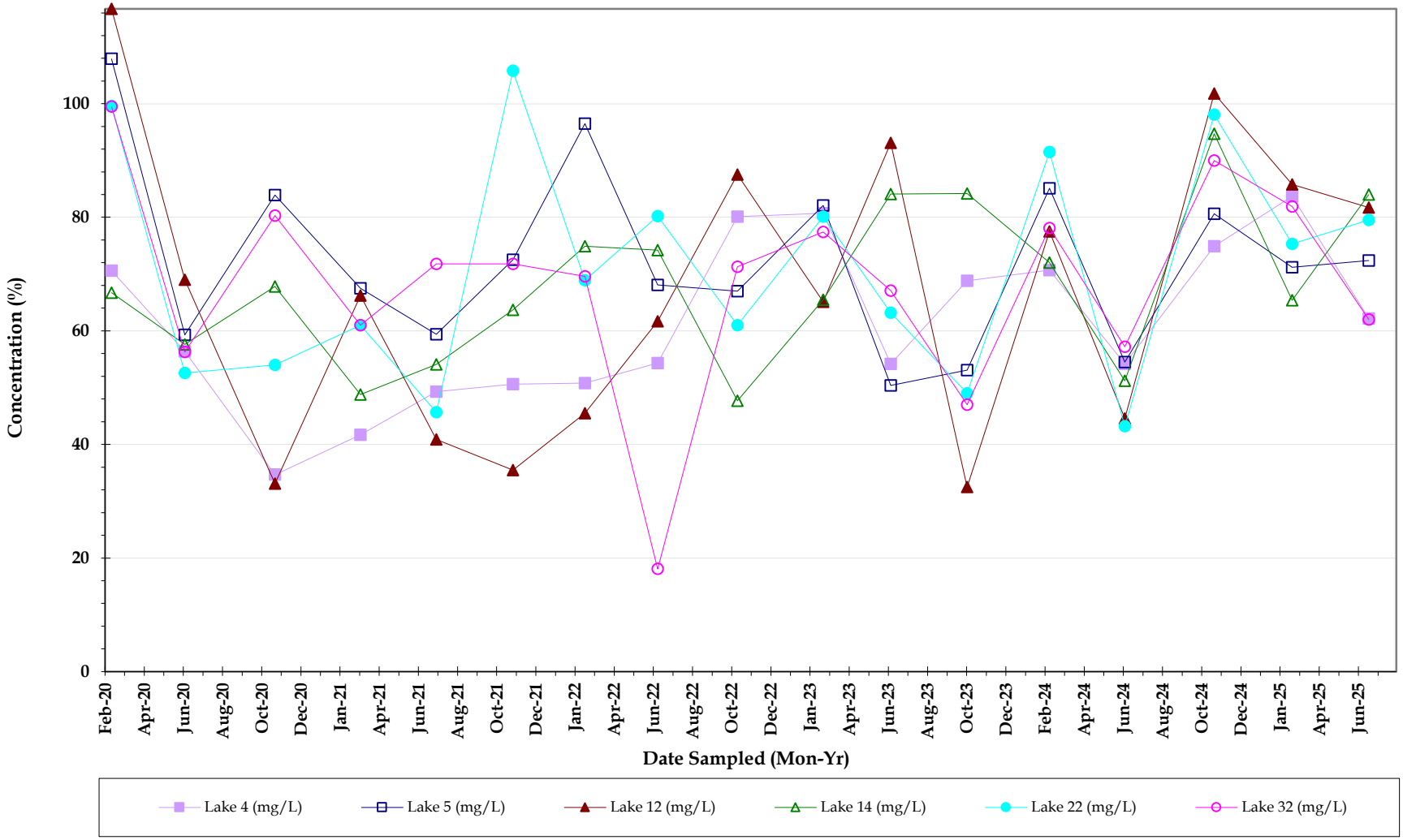


Dissolved Oxygen (mg/L)

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

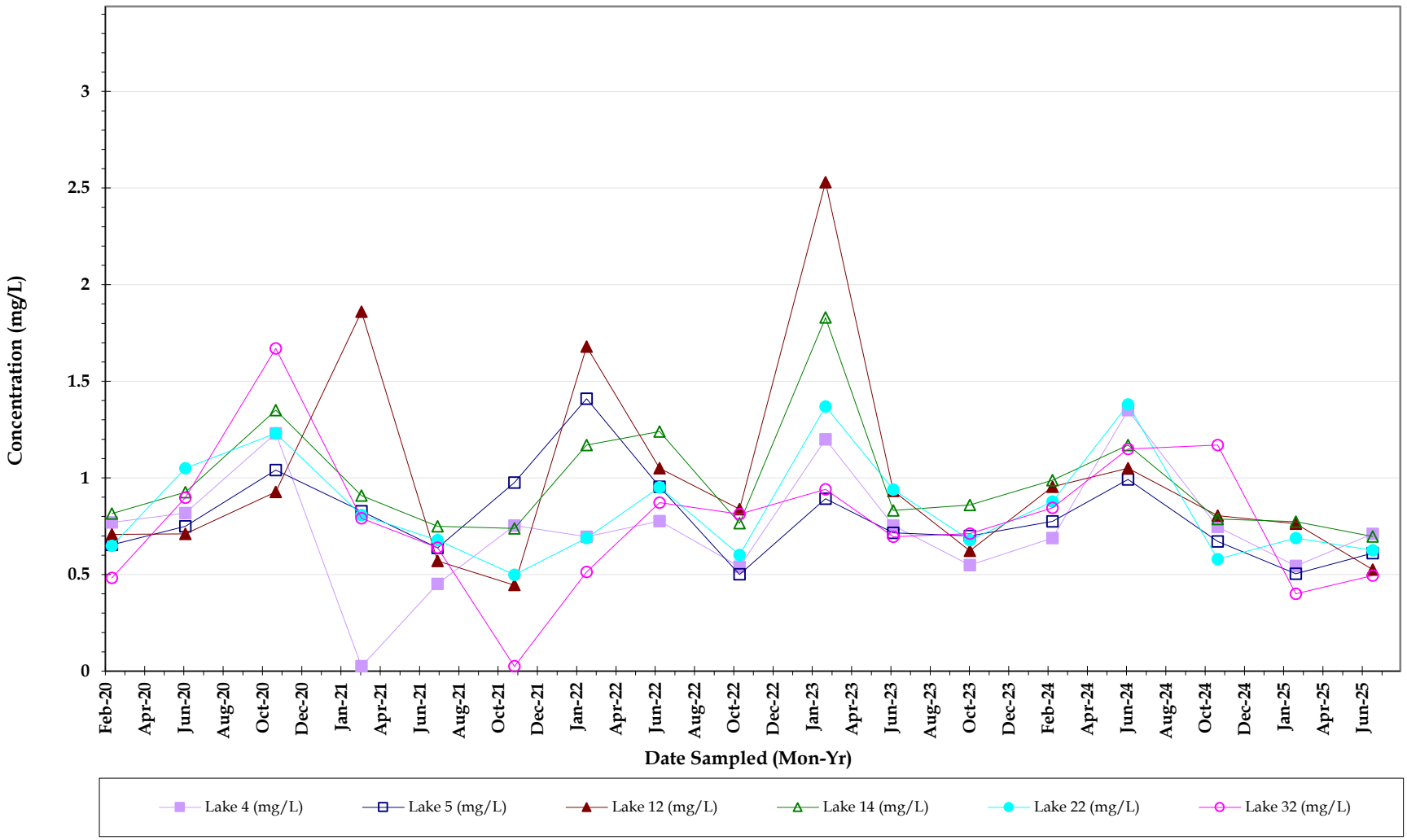


Dissolved Oxygen (%)

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

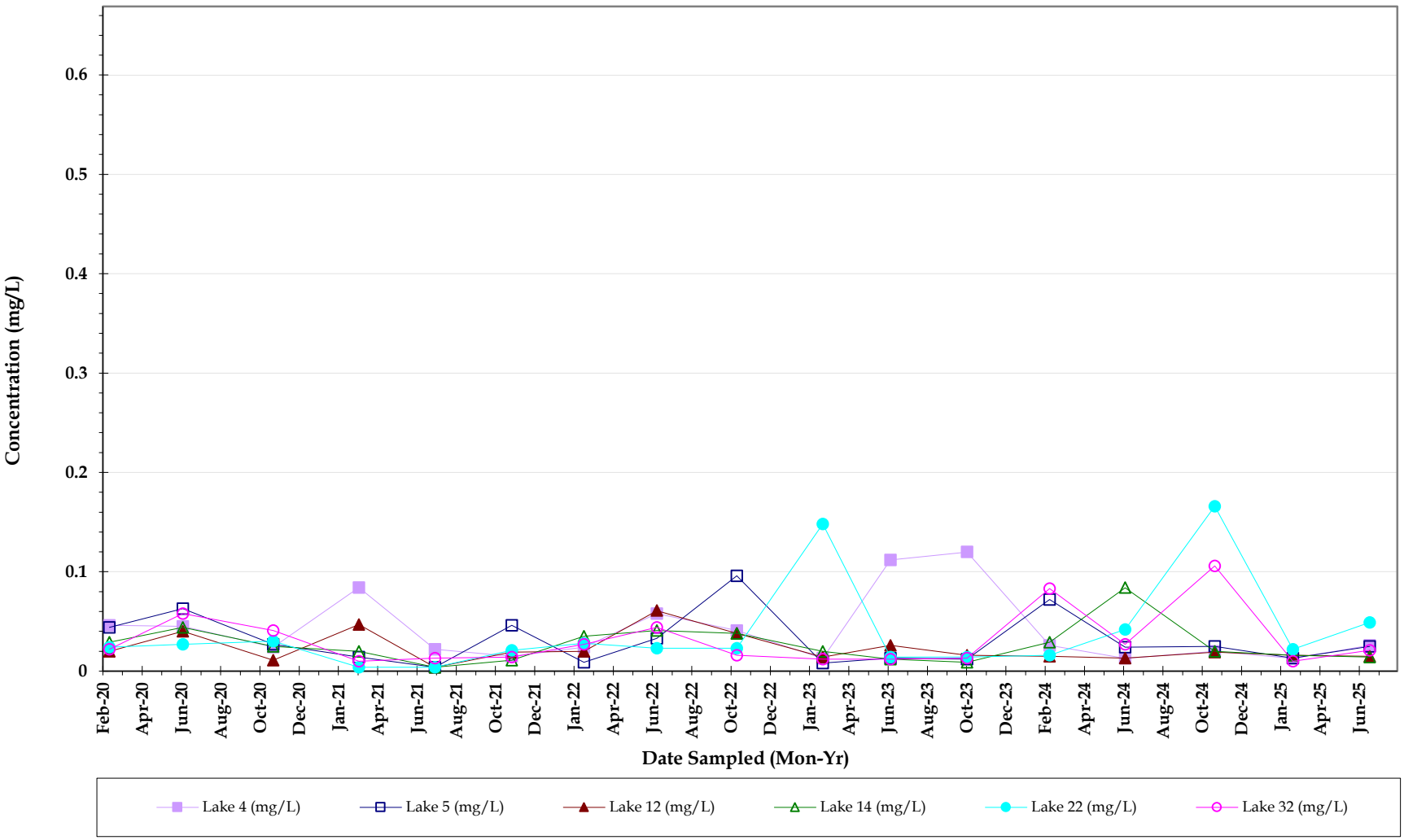


Total Nitrogen

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

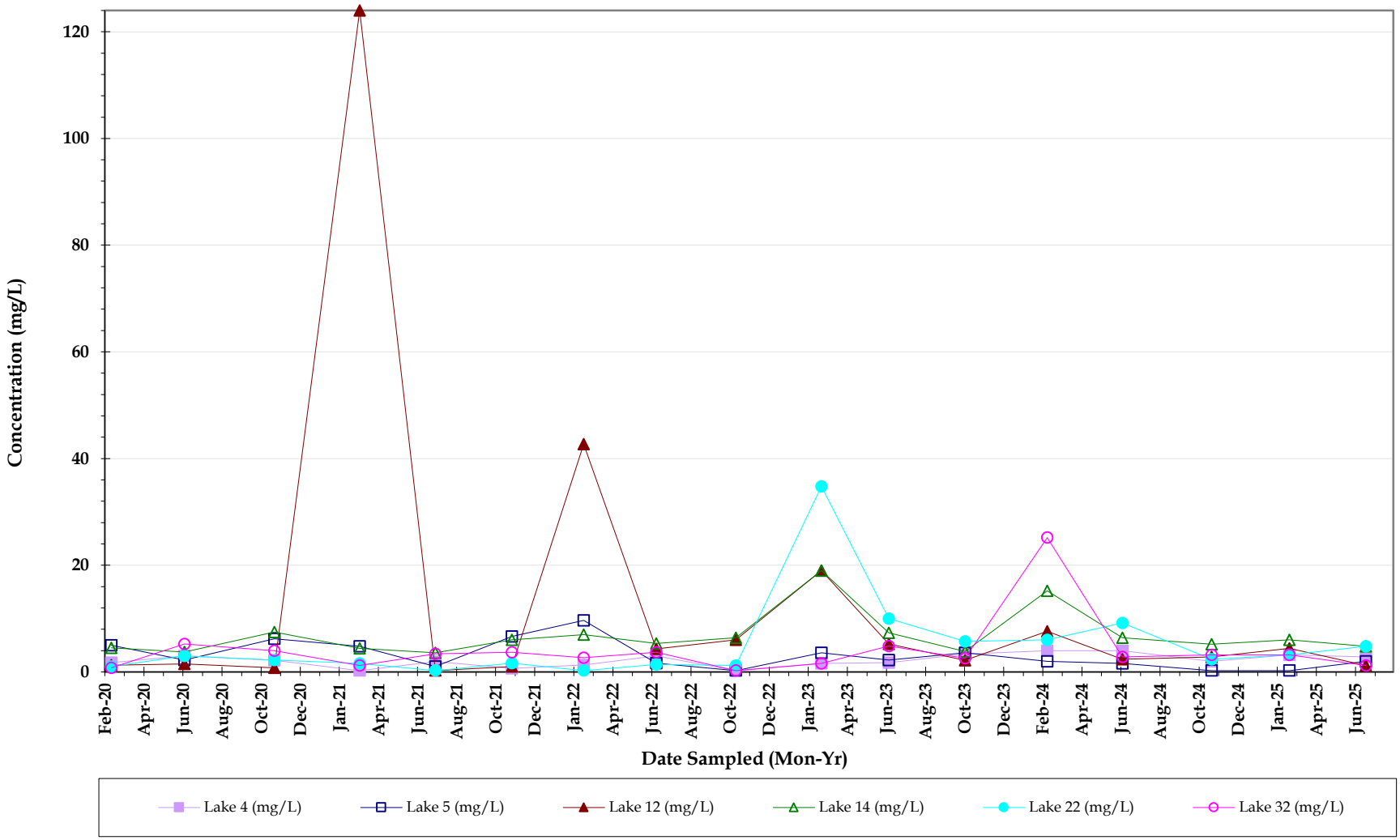


Total Phosphorus

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

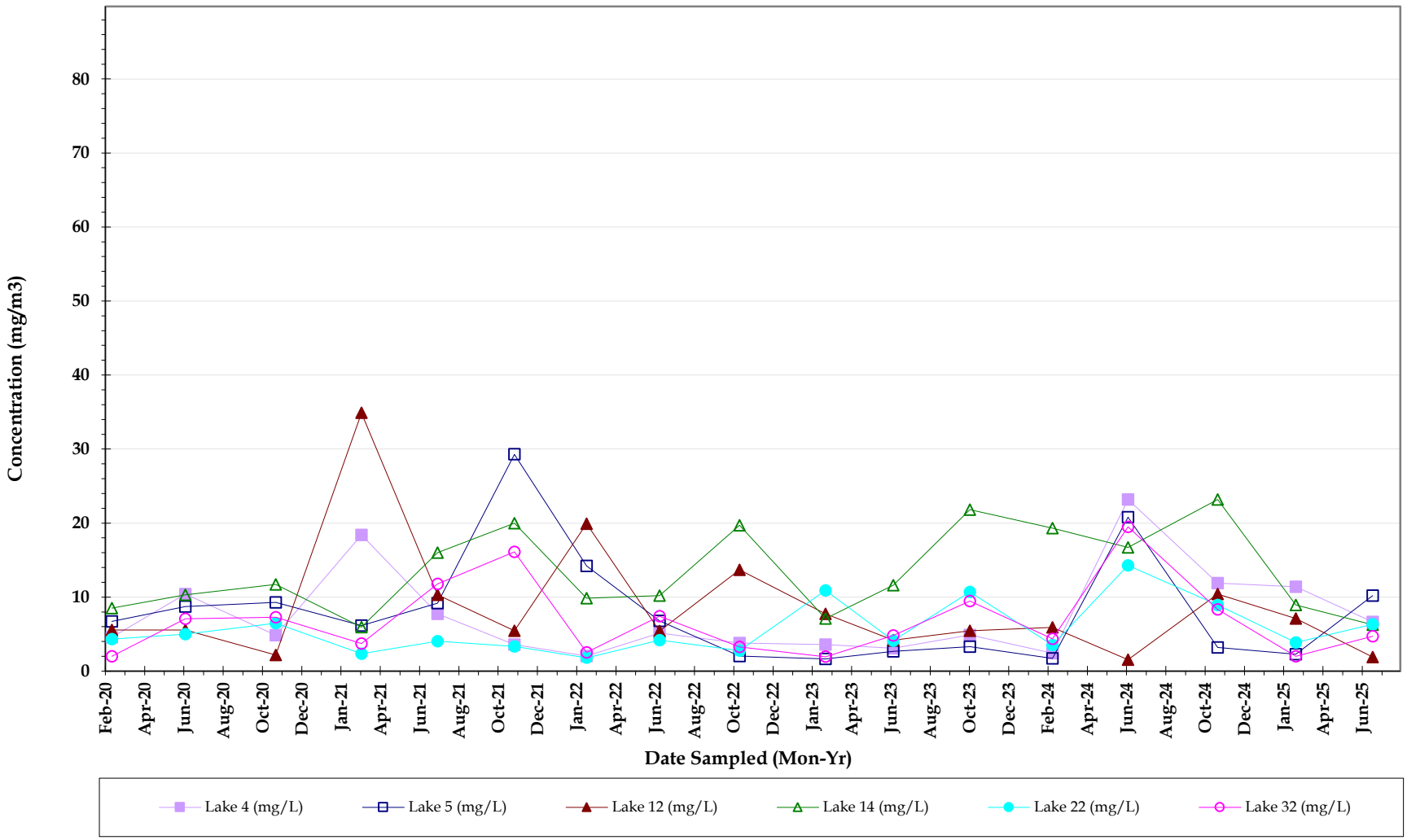


Total Suspended Solids

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

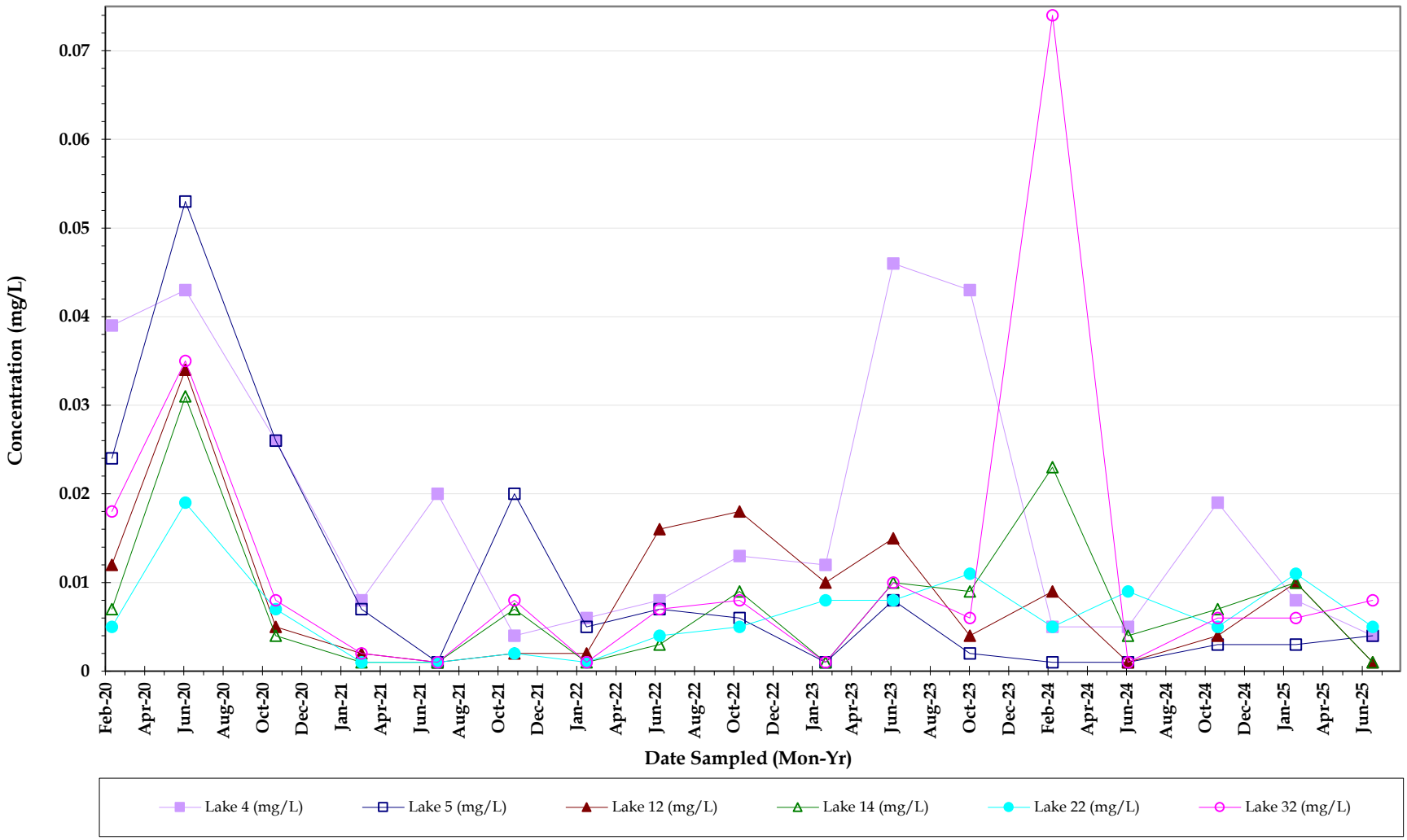


Chlorophyll *a*

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

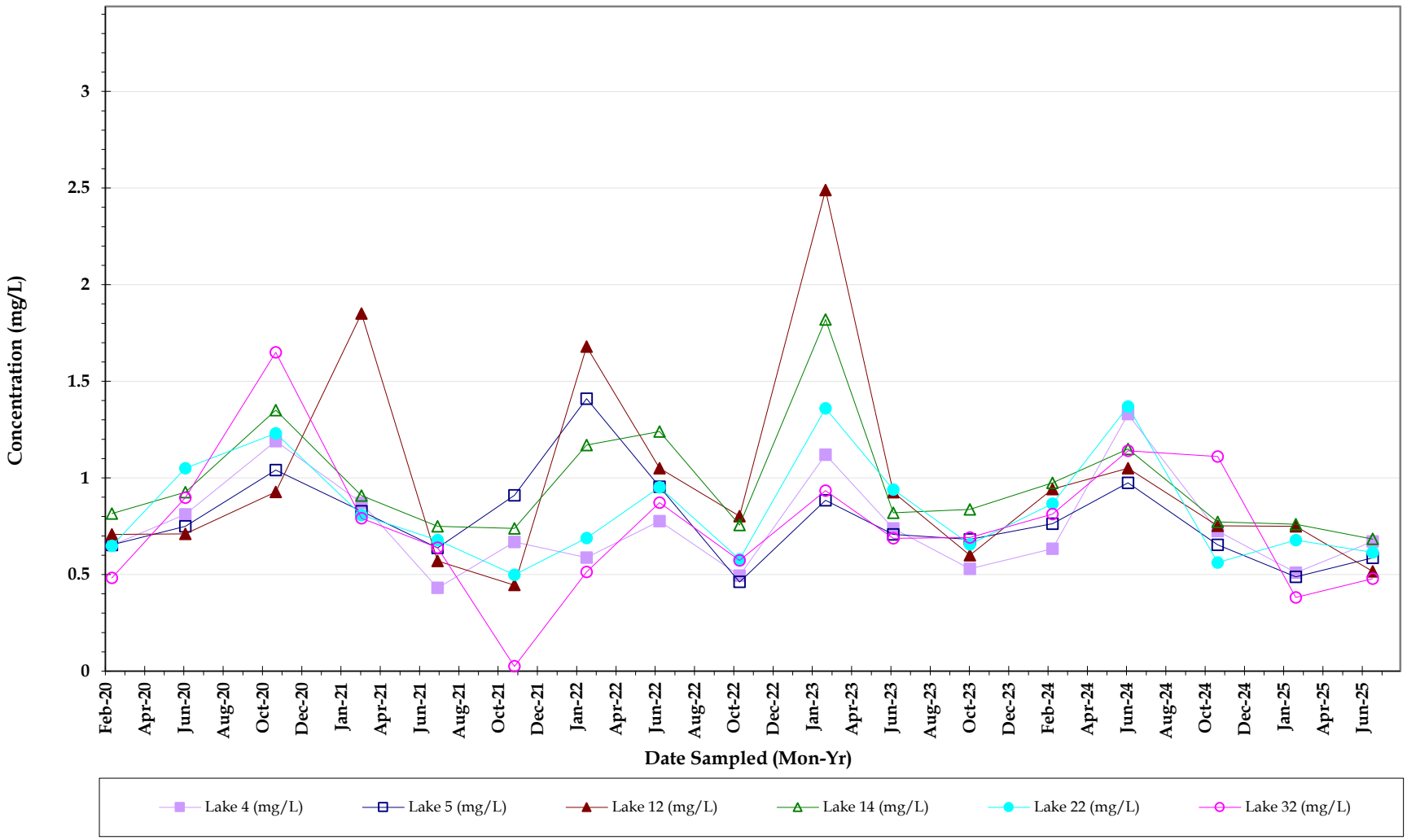


Orthophosphate

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

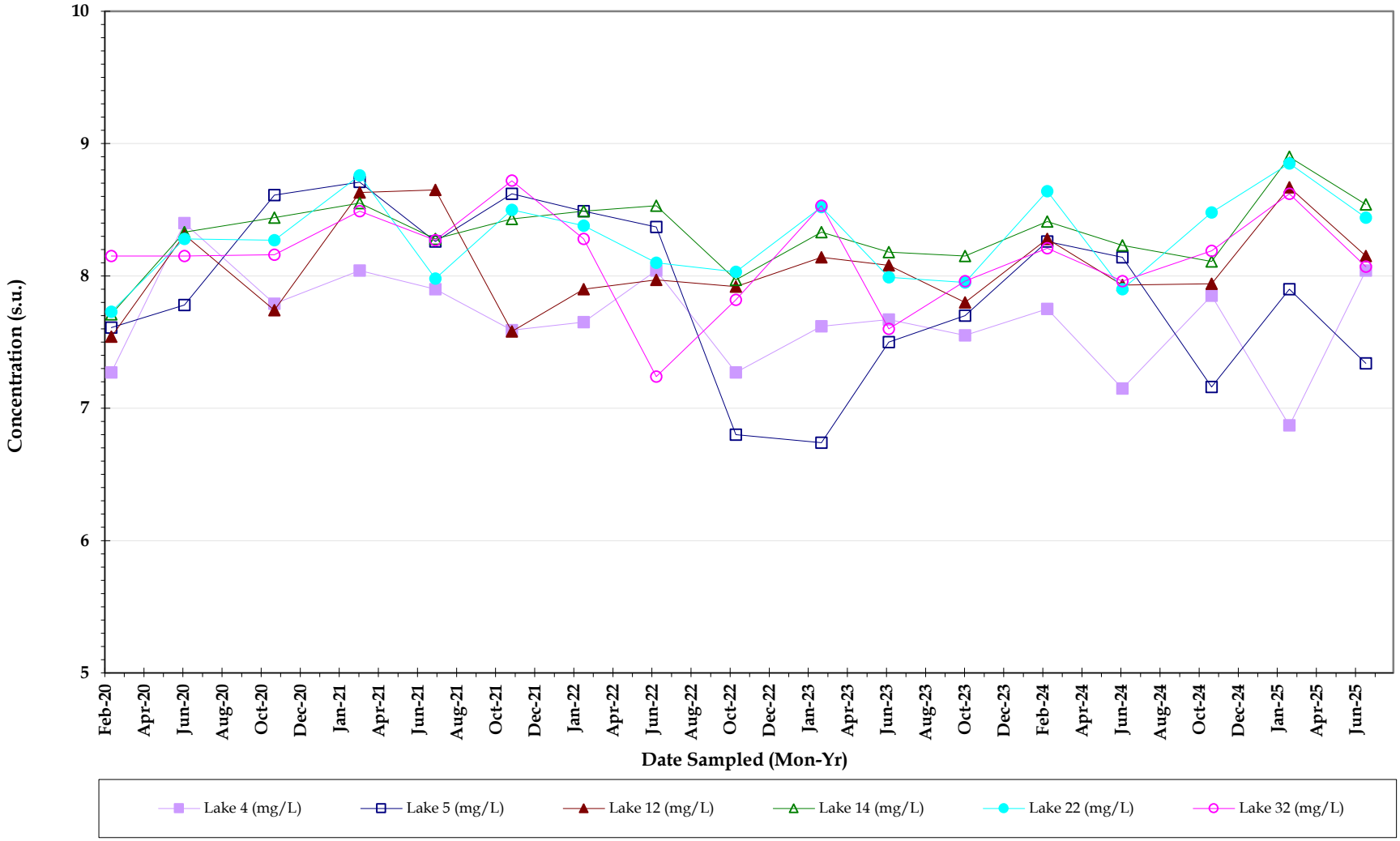


Total kjeldahl nitrogen (TKN)

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

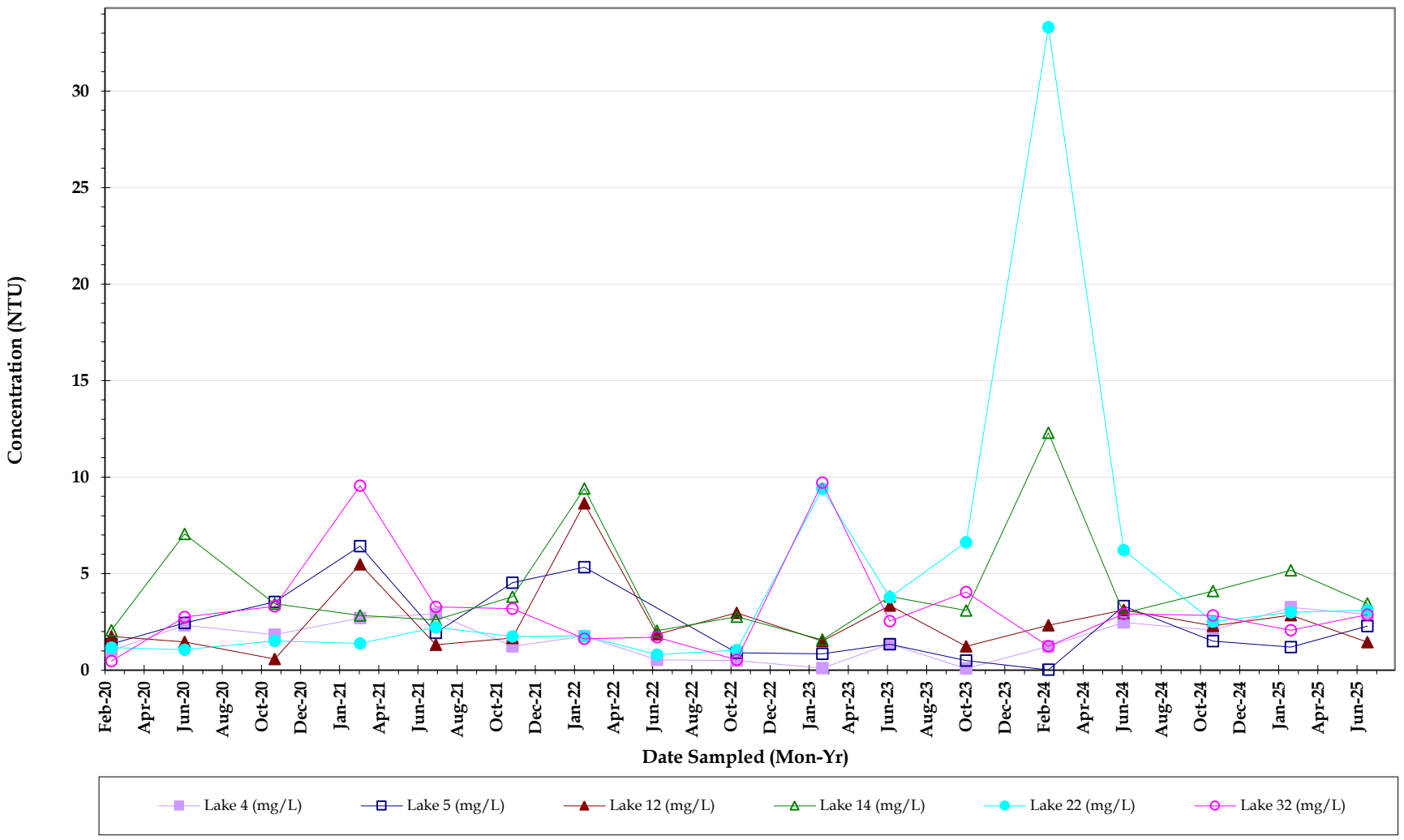


pH, Field

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

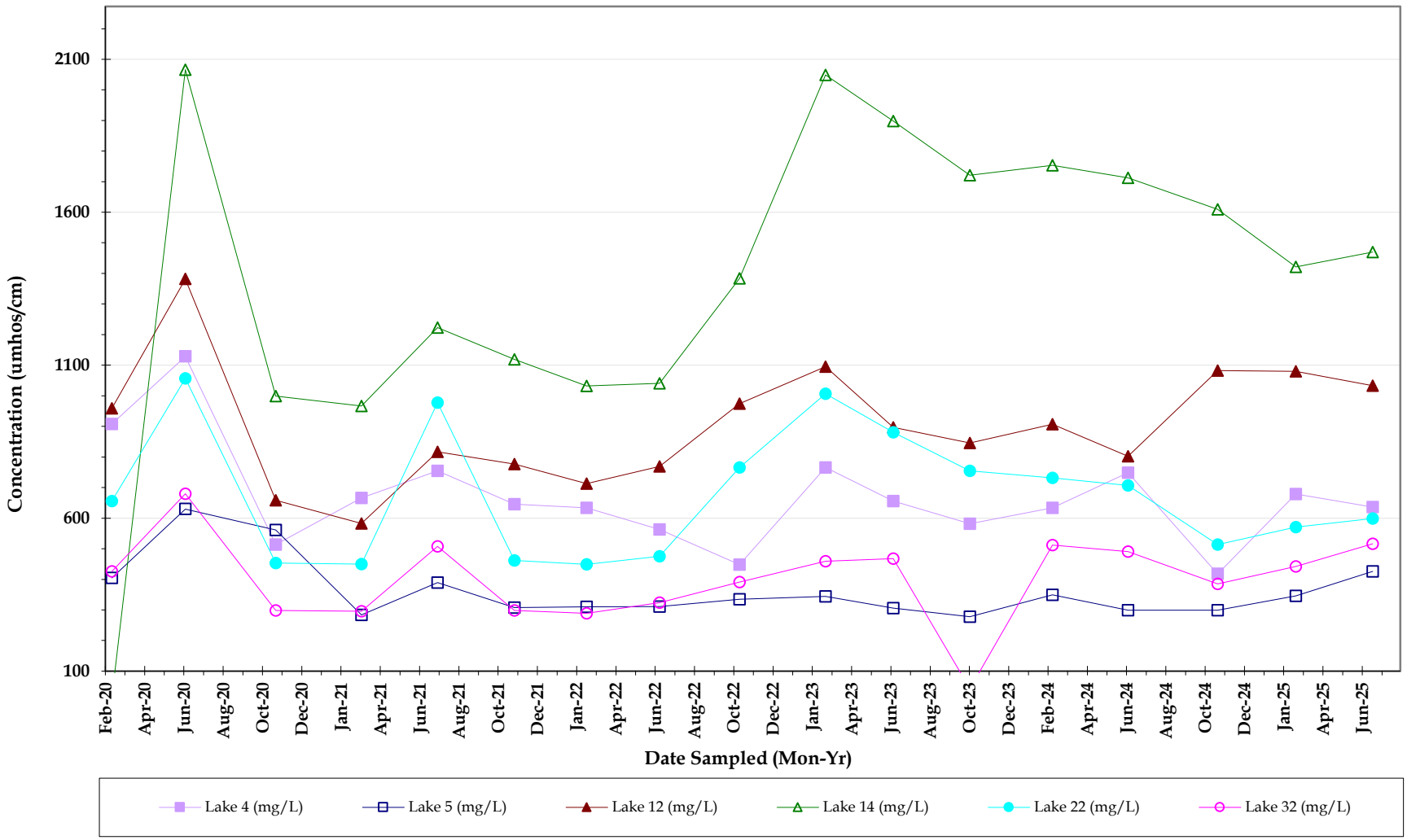


Turbidity

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

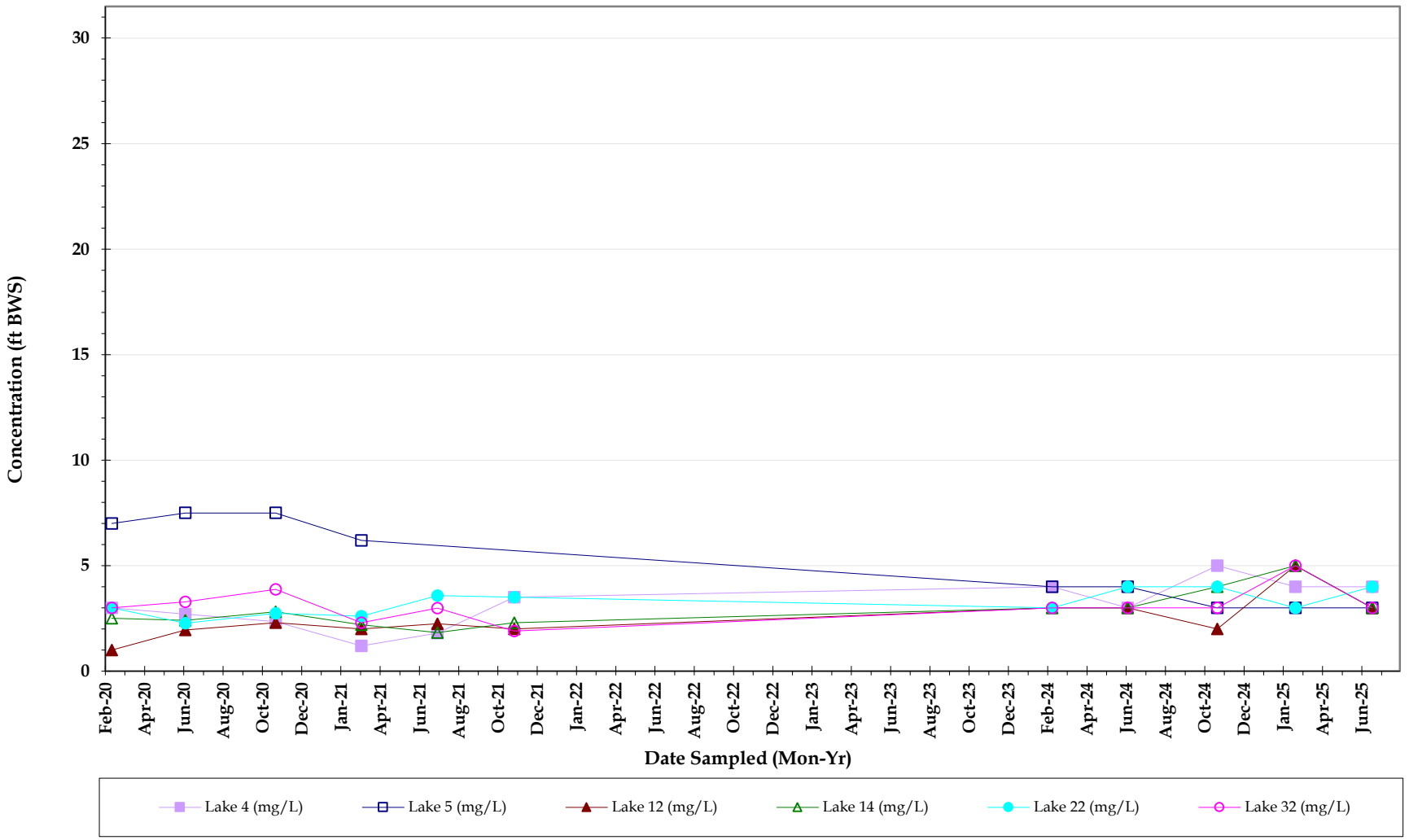


Conductivity

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

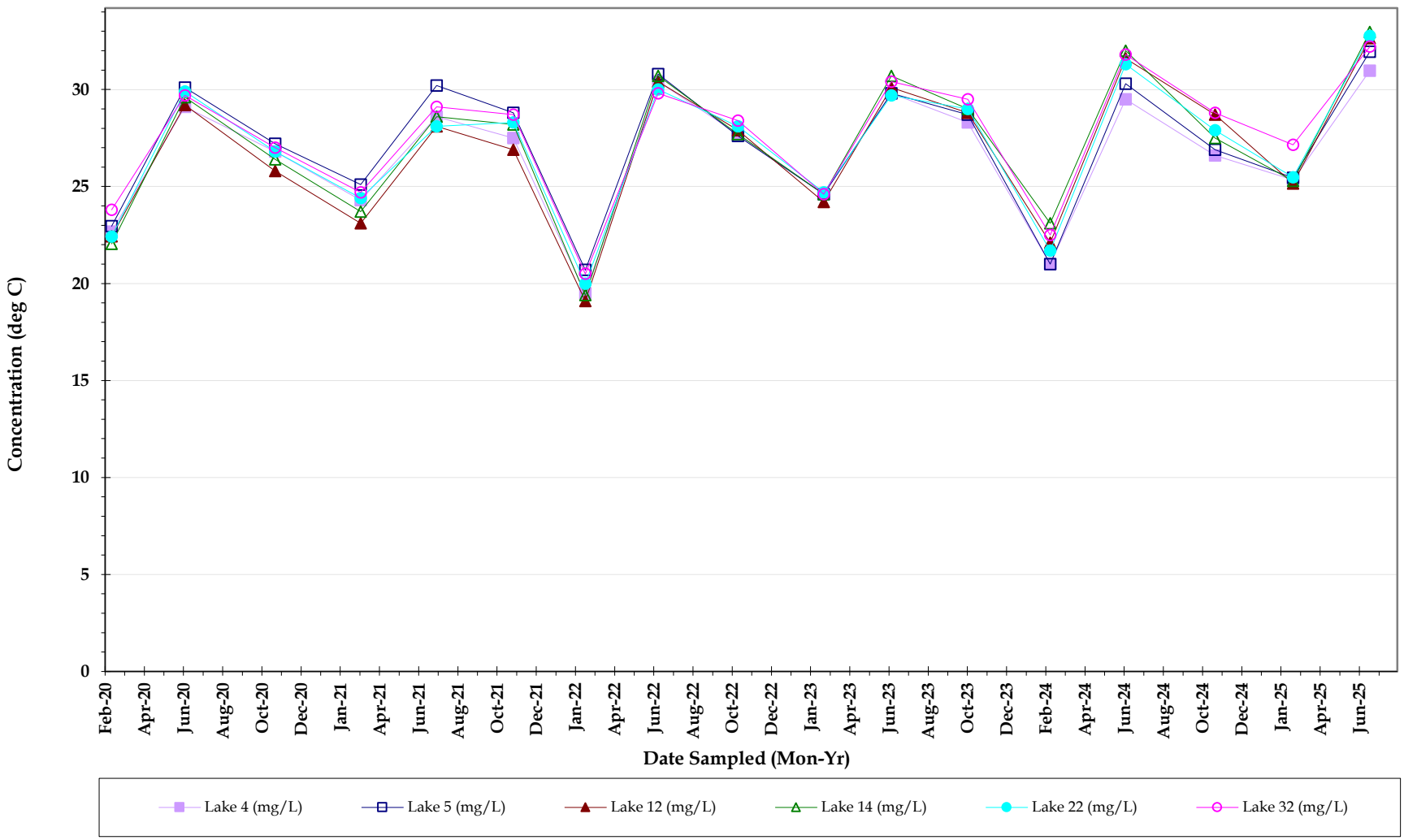


Water Depth

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025



Temperature, sample

Treviso Bay

Water Quality Surface Water Sample results

JUNE 2025

Laboratory Analytical Report

FDOH Certification #E84167

BENCHMARK EnviroAnalytical, Inc.

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 25061016

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

Project Name : TREVISO LAKES WQM
Date Received : 06/19/2025
Time Received : 14:57
Project #: 11147356-01

Submission Number: 25061016
Sample Number: 001
Sample Description: Lake 5
Sample Date: 06/18/2025
Sample Time: 10:10
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.055	MG/L	0.008	0.032	350.1	06/23/2025 17:22	LM
TOTAL KJELDAHL NITROGEN	0.586	MG/L	0.05	0.20	351.2	06/25/2025 13:06	JS
ORTHO PHOSPHORUS AS P	0.004 I	MG/L	0.002	0.008	365.3	06/19/2025 17:40	LM
TOTAL PHOSPHORUS AS P	0.025 I	MG/L	0.008	0.032	365.3	06/20/2025 14:00	LM
CHLOROPHYLL A	10.2	MG/M3	0.25	1.00	445.0	06/23/2025 10:35	KG
TOTAL SUSPENDED SOLIDS	2.00 I	MG/L	0.570	2.280	SM2540D	06/20/2025 10:11	IR
BIOCHEMICAL OXYGEN DEMAND	1.63 I	MG/L	1	4	SM5210B	06/19/2025 18:42	LD/LD
NITRATE+NITRITE AS N	0.024	MG/L	0.006	0.024	SYSTEA EASY	06/20/2025 12:46	SQ
TOTAL NITROGEN	0.610	MG/L	0.05	0.20	SYSTEA+351	06/25/2025 13:06	JS/SQ

Submission Number: 25061016
Sample Number: 002
Sample Description: Lake 4
Sample Date: 06/18/2025
Sample Time: 10:25
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.019 I	MG/L	0.008	0.032	350.1	06/23/2025 17:24	LM
TOTAL KJELDAHL NITROGEN	0.671	MG/L	0.05	0.20	351.2	06/25/2025 13:07	JS
ORTHO PHOSPHORUS AS P	0.004 I	MG/L	0.002	0.008	365.3	06/19/2025 17:41	LM
TOTAL PHOSPHORUS AS P	0.026 I	MG/L	0.008	0.032	365.3	06/20/2025 14:01	LM
CHLOROPHYLL A	6.65	MG/M3	0.25	1.00	445.0	06/23/2025 10:35	KG
TOTAL SUSPENDED SOLIDS	2.80	MG/L	0.570	2.280	SM2540D	06/20/2025 10:11	IR
BIOCHEMICAL OXYGEN DEMAND	1.26 I	MG/L	1	4	SM5210B	06/19/2025 18:42	LD/LD
NITRATE+NITRITE AS N	0.039	MG/L	0.006	0.024	SYSTEA EASY	06/20/2025 12:47	SQ
TOTAL NITROGEN	0.710	MG/L	0.05	0.20	SYSTEA+351	06/25/2025 13:07	JS/SQ

Submission Number: 25061016
Sample Number: 003
Sample Description: Lake 32
Sample Date: 06/18/2025
Sample Time: 10:45
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	06/23/2025 17:26	LM
TOTAL KJELDAHL NITROGEN	0.479	MG/L	0.05	0.20	351.2	06/25/2025 13:09	JS
ORTHO PHOSPHORUS AS P	0.008	MG/L	0.002	0.008	365.3	06/19/2025 17:45	LM
TOTAL PHOSPHORUS AS P	0.021 I	MG/L	0.008	0.032	365.3	06/20/2025 14:02	LM
CHLOROPHYLL A	4.70	MG/M3	0.25	1.00	445.0	06/23/2025 10:35	KG
TOTAL SUSPENDED SOLIDS	1.20 I	MG/L	0.570	2.280	SM2540D	06/20/2025 10:11	IR
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	06/19/2025 18:42	LD/LD
NITRATE+NITRITE AS N	0.015 I	MG/L	0.006	0.024	SYSTEA EASY	06/20/2025 12:47	SQ
TOTAL NITROGEN	0.494	MG/L	0.05	0.20	SYSTEA+351	06/25/2025 13:09	JS/SQ

Submission Number: 25061016
Sample Number: 004
Sample Description: Lake 22
Sample Date: 06/18/2025
Sample Time: 11:10
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.012 I	MG/L	0.008	0.032	350.1	06/23/2025 17:28	LM
TOTAL KJELDAHL NITROGEN	0.615	MG/L	0.05	0.20	351.2	06/25/2025 13:19	JS
ORTHO PHOSPHORUS AS P	0.005 I	MG/L	0.002	0.008	365.3	06/19/2025 17:47	LM
TOTAL PHOSPHORUS AS P	0.049	MG/L	0.008	0.032	365.3	06/20/2025 14:03	LM
CHLOROPHYLL A	6.34	MG/M3	0.25	1.00	445.0	06/23/2025 10:35	KG
TOTAL SUSPENDED SOLIDS	4.80	MG/L	0.570	2.280	SM2540D	06/20/2025 10:11	IR
BIOCHEMICAL OXYGEN DEMAND	1.09 I	MG/L	1	4	SM5210B	06/19/2025 18:42	LD/LD
NITRATE+NITRITE AS N	0.010 I	MG/L	0.006	0.024	SYSTEA EASY	06/20/2025 12:48	SQ
TOTAL NITROGEN	0.625	MG/L	0.05	0.20	SYSTEA+351	06/25/2025 13:19	JS/SQ

Submission Number: 25061016
Sample Number: 005
Sample Description: Lake 12
Sample Date: 06/18/2025
Sample Time: 11:40
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.012 I	MG/L	0.008	0.032	350.1	06/23/2025 17:30	LM
TOTAL KJELDAHL NITROGEN	0.516	MG/L	0.05	0.20	351.2	06/25/2025 13:20	JS
ORTHO PHOSPHORUS AS P	0.002 U	MG/L	0.002	0.008	365.3	06/19/2025 17:48	LM
TOTAL PHOSPHORUS AS P	0.015 I	MG/L	0.008	0.032	365.3	06/20/2025 14:04	LM
CHLOROPHYLL A	1.91	MG/M3	0.25	1.00	445.0	06/23/2025 10:35	KG
TOTAL SUSPENDED SOLIDS	1.20 I	MG/L	0.570	2.280	SM2540D	06/20/2025 10:11	IR
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	06/19/2025 18:42	LD/LD

NITRATE+NITRITE AS N	0.009 I	MG/L	0.006	0.024	SYSTEA EASY	06/20/2025 12:48	SQ
TOTAL NITROGEN	0.525	MG/L	0.05	0.20	SYSTEA+351	06/25/2025 13:20	JS/SQ

Submission Number: 25061016
Sample Number: 006
Sample Description: Lake 14
Sample Date: 06/18/2025
Sample Time: 12:05
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.012 I	MG/L	0.008	0.032	350.1	06/23/2025 17:32	LM
TOTAL KJELDAHL NITROGEN	0.684	MG/L	0.05	0.20	351.2	06/25/2025 13:21	JS
ORTHO PHOSPHORUS AS P	0.002 U	MG/L	0.002	0.008	365.3	06/19/2025 17:49	LM
TOTAL PHOSPHORUS AS P	0.014 I	MG/L	0.008	0.032	365.3	06/20/2025 14:04	LM
CHLOROPHYLL A	6.27	MG/M3	0.25	1.00	445.0	06/23/2025 10:35	KG
TOTAL SUSPENDED SOLIDS	4.80	MG/L	0.570	2.280	SM2540D	06/20/2025 10:11	IR
BIOCHEMICAL OXYGEN DEMAND	1.93 I	MG/L	1	4	SM5210B	06/19/2025 18:42	LD/LD
NITRATE+NITRITE AS N	0.013 I	MG/L	0.006	0.024	SYSTEA EASY	06/20/2025 12:49	SQ
TOTAL NITROGEN	0.697	MG/L	0.05	0.20	SYSTEA+351	06/25/2025 13:21	JS/SQ

Leah Lepore — 06/27/2025

Dr. Dale D. Dixon Laboratory Director — Date

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 6/19/25 at 08:12

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)~~ Jessica Walsh
~~2023 PO# Q1024~~ PO # 340-023264

Kit Shipped to client via UPS Standard in 1 large cooler

Chain of Custody Form: Treviso Lakes WQM

Project Number: 11225022-09

Profile: 840, QC Report

Laboratory Submission #: 25061016

Station ID	Sample Type[1]	Sample Matrix[2]	Parameters, Preservative[4], Container Type[3] / Total # of Containers = 4				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 6/19/25 0812	
			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: 6/18/25	1010	•	•	1
Lake 4	Grab	SW	Date/Time:	1025	•	•	2
Lake 32	Grab	SW	Date/Time:	1045	•	•	3
Lake 22	Grab	SW	Date/Time:	1110	•	•	4
Lake 12	Grab	SW	Date/Time:	1140	•	•	5
Lake 14	Grab	SW	Date/Time:	1205	•	•	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 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: 1.1°C
BEAS Temp: 5.1°C

		Date:	Time:		Date:	Time:
1	Collector & Affiliation: GHD (Print & Sign) Jessica Walsh Jessica Walsh	6/18/25	1435	Received By & Affiliation: (Print & Sign) Brooke Kwtnnick Brooke Kwtnnick BEAS	6/18/25	1435
2	Relinquished By & Affiliation: (Print & Sign) Brooke Kwtnnick Brooke Kwtnnick BEAS	6/19/25	1116	Received By & Affiliation: (Print & Sign) [illegible] BEA	6/19/25	1116
3	Relinquished By & Affiliation: (Print & Sign) [illegible] BEA	6/19/25	1457	Received By & Affiliation: (Print & Sign) Kera McBowen BEA	6/19/25	1457
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: 25061016

Project Name: TREVISO LAKES 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
25061056 - 01B		350.1	AMMONIA NITROGEN	06/23/2025 12:06	LR		0.070	0.069	1.52		
		350.1	AMMONIA NITROGEN	06/23/2025 17:09	MB	0.00	0.000				
25061060 - 00		350.1	AMMONIA NITROGEN	06/23/2025 17:15	SPK	1.00	0.073			1.088	101.4
		350.1	AMMONIA NITROGEN	06/23/2025 17:36	STD	1.00	1.051				105.1
25061056 - 01B	813773	351.2	TOTAL KJELDAHL NITROGEN	06/25/2025 15:44	LR		12.500	13.300	4.34		
		351.2	TOTAL KJELDAHL NITROGEN	06/25/2025 15:27	MB	0.00	0.000				
25061137 - 002	813901	351.2	TOTAL KJELDAHL NITROGEN	06/25/2025 15:11	SPK	2.00	0.870			2.840	98.2
		351.2	TOTAL KJELDAHL NITROGEN	06/25/2025 12:34	STD	2.50	2.620				105.0
25060913 - 001	813518	365.3	ORTHO PHOSPHORUS AS P	06/19/2025 17:05	LR		0.493	0.495	0.09		
		365.3	ORTHO PHOSPHORUS AS P	06/19/2025 17:20	MB	0.00	0.000				
25060886 - 001	813491	365.3	ORTHO PHOSPHORUS AS P	06/19/2025 09:08	SPK	0.20	0.169			0.379	99.5
		365.3	ORTHO PHOSPHORUS AS P	06/19/2025 17:52	STD	0.20	0.188				93.8
25061007 - 002	813650	365.3	TOTAL PHOSPHORUS AS P	06/20/2025 14:36	LR		3.410	3.470	0.59		
		365.3	TOTAL PHOSPHORUS AS P	06/20/2025 14:43	MB	0.00	0.000				
25060886 - 002	813492	365.3	TOTAL PHOSPHORUS AS P	06/20/2025 13:42	SPK	0.20	0.260			0.454	105.0
		365.3	TOTAL PHOSPHORUS AS P	06/20/2025 14:44	STD	0.20	0.182				91.1
25060846 - 001		445.0	CHLOROPHYLL A	06/23/2025 10:35	LR		2.739	2.509	6.19		
		445.0	CHLOROPHYLL A	06/23/2025 10:35	MB	0.00	0.000				
		445.0	CHLOROPHYLL A	06/23/2025 10:35	STD	42.93	40.125				93.5
25061007 - 001	813649	SM2540D	TOTAL SUSPENDED SOLIDS	06/20/2025 10:11	LR		164.000	156.000	3.54		
		SM2540D	TOTAL SUSPENDED SOLIDS	06/20/2025 10:11	MB	0.00	0.000				
		SM2540D	TOTAL SUSPENDED SOLIDS	06/20/2025 10:11	STD	824.00	860.000				104.4
25060940 - 001	813548	SM5210B	BIOCHEMICAL OXYGEN DEMAND	06/19/2025 18:50	LR		126.000	112.000	8.32		
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	06/19/2025 18:50	MB	0.00	0.000				
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	06/19/2025 18:50	STD	198.00	171.000				86.4

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
25060986 - 001	813624	SYSTEA EASY	NITRATE+NITRITE AS N	06/20/2025 12:45	LR		0.257	0.257	0.00		
		SYSTEA EASY	NITRATE+NITRITE AS N	06/20/2025 12:43	MB	0.00	0.000				
25060986 - 001	813624	SYSTEA EASY	NITRATE+NITRITE AS N	06/20/2025 12:45	SPK	0.20	0.000			0.257	102.0
		SYSTEA EASY	NITRATE+NITRITE AS N	06/20/2025 12:58	STD	0.25	0.246				98.5

Comments:

Laboratory Data Compliance Memo

Data Compliance Report

July 2, 2025

To	Mr. Bruce Bernard Manager of Field Operations Calvin, Giordano & Associates, Inc. 1800 Eller Drive, Suite 600 Fort Lauderdale, FL 33316	**Contact No.**	716-205-1977
Copy to	File	**Email**	Sheri.Finn@ghd.com
From	Sheri Finn/cs/51	**Project No.**	11225022
Project Name	Treviso Bay Surface Water Sampling		
Subject	Analytical Results Compliance Report Surface Water Quality Monitoring Treviso Bay Naples, Florida June 2025		

1. Compliance Review

Samples were collected in June 2025 in support of the 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

Surface Water Field Sheets

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

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

Profile: 840, QC Report

Laboratory Submission #:

Station ID	Sample Type[1]	Sample Matrix[2]	Parameters. Preservative[4]. Container Type[3] / Total # of Containers = 4				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 6/19/25	
			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: 6/18/25	1010			
Lake 4	Grab	SW	Date/Time:	1025			
Lake 32	Grab	SW	Date/Time:	1045			
Lake 22	Grab	SW	Date/Time:	1110			
Lake 12	Grab	SW	Date/Time:	1140			
Lake 14	Grab	SW	Date/Time:	1205			

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: BEAS Temp: 5.1°C

		Date:	Time:		Date:	Time:
1	Collector & Affiliation: GHD (Print & Sign) Jessica Walsh Jessica Walsh	6/18/25	1435	Received By & Affiliation: (Print & Sign) Brooke Kwiatkowski BEAS	6/18/25	1435
2	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
3	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
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:

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

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#) YSI Pro Plus **INSTRUMENT #** 028184

☒ **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 SU

Standard B 7 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
6/~~8~~18/25	800	a	4	4.00	0	yes	Init	JW
↓	801	B	7	7.09	1.3	↓	↓	↓
	1215	a	4	4.00	0	no	cont	
	1216	B	7	6.97	6.4	✓	↓	

☒ **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
6/~~8~~18/25	802	a	1413	1354	4.2	yes	Init	JW
↓	1217	a	1413	1385	2.0	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
6/~~8~~18/25	803	a	100	~~100~~ 99.6	0.4	yes	Init	JW
↓	1218	a	100	~~100~~ 101.5	1.5	no	cont	✓

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

INSTRUMENT (MAKE/MODEL#) Hach 2100Q **INSTRUMENT #** 23297(

☒ **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]* ~~23297(~~

Standard A 20 NTU

Standard B 80 NTU

Standard C 100 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
18/04/25	800	a	20	19.9	0.5	yes	init	JW
↓	801	B	100	100	0	↓		
	802	C	800	804	0.5		↓	
	1215	a	20	20	0	no	cont	
	1216	B	100	99.3	0.7			↓
↓	1217	C	800	803	0.4	↓	↓	

SURFACE WATER FIELD SHEET
Station Information

Irwin Bay

STATION ID: Lake 5

LOCATION: OFF OF S bank

DATE/TIME: 6/18/25 1010

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) 3 (feet) 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#** 028184 **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)
1010	1.5	7.34	5.28	72.4	31.95	426	2.28
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 4

LOCATION: OFF OF WEIR

DATE/TIME: 6/18/25 1025

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 _____

Meter ID# 028184

Field Measurements Read By: (initials) JW

Field Measurements							
Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1025	2	8.04	4.62	62.2	30.97	636	2.89
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 32

LOCATION: OFF OF N bank

DATE/TIME: 6/18/25 1045

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) / 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# 028184 **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)
1045	1.5	8.07	4.50	62.0	32.21	576	2.88
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: 6/18/25 1110

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 _____

Meter ID# 628184

Field Measurements Read By: (initials) JW

Field Measurements							
Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1110	2	8.44	~~5.0~~ 5.71	79.5	32.77	599	3.10
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: 6/18/25 ~~1135~~ 1140

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) 3 (feet) 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# 028184 **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)
1140 ~~1135~~	1.5	8.15	5.88	81.7	32.64	1033	1.45
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 14

LOCATION: off of W bank

DATE/TIME: 6/18/25 1205

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) 3 (feet) 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# 028184 **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)
1205	1.5	8.54	6.02	84.0	32.96	1470	3.45
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: