MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

AGENDA

DECEMBER 8, 2022

PREPARED BY:

JPWARD & ASSOCIATES, LLC, 2301 NORTHEAST 37TH STREET, FORT LAUDERDALE, FL 33308

T: 954-658-4900 **E:** JimWard@JPWardAssociates.com

Miromar Lakes Community Development District

December 1, 2022

Board of Supervisors

Miromar Lakes Community Development District

Dear Board Members:

The regular meeting of the Board of Supervisors of the Miromar Lakes Community Development District will be held on **Thursday, December 8, 2022,** at **2:00 P.M.** in the Library at the **Beach Clubhouse, 18061 Miromar Lakes Parkway, Miromar Lakes, Florida 33913.**

The following WebEx link and telephone number are provided to join/watch the meeting remotely.
https://districts.webex.com/districts/onstage/g.php?MTID=e122bdaeab85c4bc8292700f67c5ee90f
Access Code: **2348 660 3068** Event Password: **Jpward**
Phone: **408-418-9388** and enter the access code **2348 660 3068** to join the meeting.

Agenda

1. Call to Order & Roll Call.

2. Administration of Oath of Office for Mr. Mike Weber, Mr. Doug Ballinger and Mr. Alan Refkin who were elected at the November 8, 2022 General Election.
   I. Oath of Office.

3. Consideration of Minutes:
   I. November 10, 2022 – Regular Meeting.

4. Staff Reports.
   I. District Attorney.
   II. District Engineer
   III. District Asset Manager.
      a. Water Quality Report August 2022.
      b. Operations Report December 1, 2022.
   IV. District Manager
      a. Financial Statements for period ending November 30, 2022 (unaudited).

5. Supervisor's Requests and Audience Comments.

6. Adjournment.

The first order of business is the call to order & roll call.

The second Order of Business is the administration of the oath of office for Mr. Mike Weber, Mr. Doug Ballinger and Mr. Alan Refkin who were elected at the November 8, 2022, election.

Each take their seat as a matter of law fourteen (14) days after the election and have already taken the Oath from the State. This is form of oath for Community Development District's and I will administer this Oath to Mr. Mike Weber, Mr. Doug Ballinger, and Mr. Alan Refkin. You will also be asked to sign an Oath that you receive directly from either the Supervisor of Elections OR from the State – if you do receive, please sign that Oath also, and pay the required fee.

The third order of business is the consideration of the Minutes from the Miromar Lakes Community Development District Board of supervisors Regular Meeting, held on November 10, 2022.

The fourth order of business are staff reports by the District Attorney, District Engineer, and District Asset Manager, including the Water Quality Report from August 2022 and the Operations Report, dated December 1, 2022. The District Manager will review financial Statements for the period ending November 30, 2022 (unaudited).

The balance of the agenda is standard in nature, and I look forward to seeing you at the meeting. If you have any questions and/or comments before the meeting, please do not hesitate to contact me directly at (954) 658-4900.

Sincerely yours,

Miromar Lakes Community Development District

James P Ward

James P. Ward
District Manager

The Fiscal Year 2023 schedule is as follows:

December 8, 2022	January 12, 2023
February 9, 2023	March 9, 2023
April 13, 2023	May 11, 2023
June 8, 2023	July 13, 2023
August 10, 2023	September 14, 2023

OATH OR AFFIRMATION OF OFFICE

I, _____, a citizen of the State of Florida and of the United States of America, and being an officer of the **Miromar Lakes Community Development District** and a recipient of public funds as such officer, do hereby solemnly swear or affirm that I will support the Constitution of the United States and of the State of Florida, and will faithfully, honestly and impartially discharge the duties devolving upon me as a member of the Board of Supervisors of the **Miromar Lakes Community Development District**, Lee County, Florida.

_____
Signature

Printed Name:_____

STATE OF FLORIDA
COUNTY OF LEE

Sworn to (or affirmed) before me by means or ( ) physical presence or ( ) online notarization this _____ day of _____, 2022, by _____, whose signature appears hereinabove, who is personally known to me or who produced _____ as identification.

_____
NOTARY PUBLIC
STATE OF FLORIDA

Print Name:_____

My Commission Expires:_____

MINUTES OF MEETING
MIROMAR LAKES
COMMUNITY DEVELOPMENT DISTRICT

The Regular Meeting of the Board of Supervisors of the Miromar Lakes Community Development District was held on Thursday, November 10, 2022, at 2:00 P.M. in the Library at the Beach Clubhouse, 18061 Miromar Lakes Parkway, Miromar Lakes, Florida 33913.

Present and constituting a quorum:

Alan Refkin	Chair
Michael Weber	Vice Chair
Patrick Reidy	Assistant Secretary
Doug Ballinger	Assistant Secretary
Mary LeFevre	Assistant Secretary

Also present were:

James P. Ward	District Manager
Greg Urbancic	District Attorney
Bruce Bernard	Asset Manager
Charlie Krebs	District Engineer
Andrew Gill	JPWard and Associates
Richard Freeman	Calvin, Giordano & Associates

Audience:

Heather Chapman	Master HOA Manager
Erin Dougherty	Miromar Lakes General Manager
David Salko	Miromar Development Corp.
Jeffrey Evans	Resident

All resident's names were not included with the minutes. If a resident did not identify themselves or the audio file did not pick up the name, the name was not recorded in these minutes.

FIRST ORDER OF BUSINESS **Call to Order/Roll Call**

District Manager James P. Ward called the meeting to order at approximately 2:00 p.m. He conducted roll call; all Members of the Board were present, constituting a quorum.

SECOND ORDER OF BUSINESS **Consideration of Minutes**

October 13, 2022 – Regular Meeting Minutes

Mr. Ward asked if there were any additions, deletions, or corrections for the Minutes.

Mr. Ballinger requested the word Master come before the word HOA throughout the document.

Mr. Ward requested the transcriptionist insert the word Master before the word HOA in all future Minutes for Miromar Lakes. He asked if there were any other changes to the Minutes; hearing none, he called for a motion to approve the Minutes as amended.

On MOTION made by Mr. Doug Ballinger, seconded by Mr. Alan Refkin, and with all in favor, the October 13, 2022, Regular Meeting Minutes were approved as amended.

THIRD ORDER OF BUSINESS **Continued Discussion**

Overall Reserves

Mr. Ward indicated a good discussion regarding reserves was held during the previous meeting. He noted the Board asked for ideas regarding the reserve fund on a going forward basis, specifically as related to landscaping. He stated on page 2 of the Agenda Package the top chart was basically the same as was provided at the last meeting. He stated the District had roughly $5 million dollars in assets in 2017 and at that time the CDD was spending approximately $570,000 dollars a year in operating expenses alone for the landscaping program. He noted when the landscaping program went to the Master HOA it allowed the CDD to not go above the cap rate while increasing the reserves. He indicated the bottom chart showed where the CDD would be in 2023 with the reserves. He stated with the CDD would be able to raise between $150,000 dollars and $175,000 dollars per year more for the reserves starting in 2024 without having to go over the cap rate. He stated if the CDD started this in the 2024 budget, in the 2025 budget it would give the CDD between $300,000 dollars and $350,000 dollars for the reserves.

Mr. Mike Weber stated the cost on a yearly basis would not stay the same. He stated possibly the reserve amount would, but costs would go up, and this would affect what the CDD could capture yearly.

Mr. Ward agreed. He stated as operating costs increased the reserve amount would decrease to stay within the assessment cap number. He noted a lot was done this year; a lot of money went into the fishery. He stated he believed the CDD's costs would remain relatively level for a couple of years, but yes, operating expenses had to be watched. He stated he was a fan of adding something for reserves on a going forward basis.

Mr. Ballinger asked about line (3) Last Budget with Landscaping did not include capital.

Mr. Ward stated it probably read "capital infrastructure" or "capital projects" but he was unsure. He stated in 2017 when the CDD was doing landscaping, the CDD did not have money in the budget for an annual program for capital replacement like the CDD had now for the water management system and those parts of the assets.

Discussion ensued regarding unit counts; when unit counts changed the budget numbers would change; the increase in reserves annually; and the possibility of capturing the contingency funds annually, but this not always being possible.

Mr. Reidy stated the CDD had an agreement with the Master HOA which said the Master HOA would take care of the landscaping and maintain and replace, and apparently the Master HOA was doing so at this point, but again this was a year by year agreement and it was difficult to say what the reserve amount should be for landscaping. He agreed the CDD needed to continue to grow the reserve fund annually until the CDD had possibly $2 million dollars in reserves. He stated the more the CDD could add to the reserves over the next few years the better off it would be.

Mr. Ward agreed. He noted the reserve fund was a general reserve fund and the funds could be used for whatever was necessary. He agreed it would be good to increase the reserve fund over the next few years if possible.

Discussion continued regarding the importance of a reserve fund; building up the reserve fund for emergency purposes; increasing assessments; increasing the cap rate of the assessments if necessary; the Master HOA raising assessments when it took over landscaping; how the Master HOA would react when it transitioned to a resident board; increasing the reserve fund to the point where it would not matter if the Master HOA wished to give landscaping back to the CDD; and evaluating the reserve fund annually to determine how much more could or should be added.

Ms. Mary LeFevre asked about how to know when to stop collecting reserve funds.

Mr. Reidy stated at some point the Board would have to decide there was enough in the reserve fund and refrain from collecting more.

Discussion ensued regarding the Master HOA eventually being turned over to the residents and the likelihood of the CDD taking over landscaping again at that point.

Mr. Ward indicated this was a good time for the CDD to play catchup and increase its reserves. He stated he could build it into the budget and keep the assessment at the cap rate; he could line item the reserves in the Budget and the Board could decide annually how it wanted to proceed.

The Board agreed this was a good idea. Mr. Ward indicated this would be done.

FOURTH ORDER OF BUSINESS **Staff Reports**

I. District Attorney

No report.

II. District Engineer

Mr. Ward indicated at the last meeting Mr. Reidy had questions regarding rip rap. He stated he spoke with Mr. Charlie Krebs after the last meeting and Mr. Krebs had some information to present.

Mr. Charlie Krebs distributed and discussed photos of rip rap in various lakes throughout Miromar Lakes, who installed the various sections of rip rap, when the rip rap was installed, areas where there was no rip rap, and areas of beach. He noted in looking at the photos, it was evident there

was no standardized height for the rip rap. He stated the planned finished floor elevations varied from community to community within Miromar Lakes.

Mr. Reidy asked whether the rip rap outside his building, past building 20, on Bellini, was installed correctly. He noted before the hurricane, this rip rap was underwater, now after the hurricane it was even more underwater. He asked if it was done correctly.

Mr. Krebs responded in the affirmative; the rip rap was installed correctly. He indicated the reason a certain area of rip rap was brought up to the top of the bank was to limit the maintenance of the grass from the downside. He explained it became more of a maintenance issue; if the rip rap was brought up to the top of the bank, the whole downward slope adjacent to the lake would not need maintenance. He stated when the rip rap was installed in another location it was put at a certain height above the control line. He stated the rip rap could be raised to the top of the bank.

Mr. Reidy asked if Mr. Krebs felt the rip rap was fine or if it needed to be brought up higher.

Mr. Krebs stated the rip rap was doing what it was supposed to do but there was of course a benefit in raising the rip rap. He stated if the CDD wished, it could set a standard, so whenever rip rap was repaired or replaced or newly installed it could be brought up to said standard. He stated if this was done it would reduce the maintenance from the top of bank down.

Mr. Reidy stated he understood Mr. Krebs went out and reviewed and approved rip rap which was transferred to the CDD from homeowners.

Mr. Bruce Bernard indicated he did not approve the rip rap going in; he only maintained the rip rap.

Mr. Ward stated on single family homes, there were a lot of cases in which residents went to the Master HOA, the Master HOA said yes to installing rip rap, and the rip rap was installed by the homeowner. He explained in some cases, the CDD did know how it was installed, and if it was installed to CDDs standards, the CDD would accept it for maintenance. He indicated he felt a more standardized installation requirement could be set in place.

Mr. Reidy asked if the CDD had accepted any rip rap from homeowners for maintenance.

Mr. Bernard responded in the affirmative, but only after he inspected the rip rap to ensure it was up to CDD standards.

Mr. Reidy stated he worried the rip rap behind his home (past building 20 on Bellini) was not installed correctly. He stated he worried a great deal of erosion would occur with the next storm as a result.

Mr. Krebs stated he was certain the contractor Mr. Bernard hired to install the rip rap installed the rip rap correctly.

Mr. Bernard stated perhaps a standard elevation of rip rap could be set for future acceptance of rip rap, and for future repair of rip rap.

Mr. Ward stated over the years the CDD changed course a lot, from what was done and what was being done now, making sure the assets were at a better standard than what they were ten years ago, and he felt the Board was doing an amazing job with this, including all the work done through the hurricane. He stated, however, this was a problem which needed to be addressed.

Mr. Refkin stated this was similar to the problem the Board faced with the bank erosion. He explained there was the same type of disparity throughout the Miromar Lakes, the Board took it over, saw what needed to be done, broke up the work, included the work in the budget, and addressed the problem. He stated the same could be done with this: the Board could look at everything which needed to be done, look at the cost and timelines associated, and then if the Board wished, it could be included in the budget.

Discussion continued regarding rip rap installation in Miromar Lakes; evaluating the entire community's rip rap; addressing the inconsistencies in rip rap installation; and beach erosion in Miromar Lakes.

Mr. Reidy stated the rip rap behind his home was underwater and he did not feel this could possibly be correct.

Mr. Ward indicated he would speak with Mr. Krebs and Mr. Bernard and come up with a recommendation.

Discussion continued regarding rip rap installation; poorly installed rip rap affecting the community as a whole; and the CDD doing the right thing for the Miromar Lakes community regarding rip rap.

III. Asset Manager

a) Operations Report November 1, 2022

Mr. Bernard stated midge fly spraying was increased from Portofino through Navarro.

Mr. Weber asked if there were a better way to address the midge flies.

Mr. Bernard responded aeration was the best way to get rid of midge flies; however, there was no way to aerate 700 acres of lake.

Discussion ensued regarding the midge fly problem; and spraying not being extremely effective in midge fly control.

Mr. Bernard provided the Board the numbers regarding cane toad collections. He supplied the Board a fishery schedule which included information regarding where, when, and how many plantings would be done, as well as an updated five-year budget program for the fishery.

Mr. Reidy asked about the test plants which were installed.

Mr. Bernard explained the hurricane messed up the test plantings; however, enough information was collected to come up with a list of plants which would work in the lake.

Mr. Reidy asked if the fishery plantings would protect the bait fish.

Mr. Bernard responded in the affirmative. He noted in the projected budget you could see in two years 3,200 pounds of fish would be put into the lake. He indicated next year more electrofishing would be done to remove the unwanted fish before restocking the lake. He noted the plantings would be placed appropriately to best enable the plantings to fill in as desired. He stated carp would be added according to this program; not a lot of carp, but a small number of carp would be stocked in the lake for plant maintenance purposes.

Ms. LeFevre asked if the Master HOA was looking at the 575 corridor in terms of landscaping replacement and cleanup. She noted this corridor had not been properly relandscaped following Hurricane Irma and was now even worse since Hurricane Ian.

Ms. Heather Chapman indicated the Master HOA was doing replacements from Irma (indecipherable).

IV. District Manager

a) Financial Statements for period ending October 31, 2022 (unaudited)

No report.

FIFTH ORDER OF BUSINESS Supervisor's Requests and Audience Comments

Mr. Ward asked if there were any Supervisor's Requests; there were none. He asked if there were any audience members present in person, or via audio or video, with comments or questions.

Mr. Jeffrey Evans introduced himself as a board member on the Bella Vista HOA. He stated he came to the CDD meeting to better understand the CDD's role in the community. He indicated what he learned to date was that there are multiple parties involved. He stated he wished to understand exactly where the lines of responsibility lay. He noted there were residents in the Miromar Lakes putting in sea walls only to find the CDD did not approve the sea wall. He asked where he could go to understand the CDD, and its rules and regulations, so he could better educate the residents as there was mass confusion and mass confusion led to an unhappy community.

Mr. Ward stated Mr. Evans was welcome to talk to himself, or any of the Board Members individually, all of whom would be happy to help. He explained the Board Members were not permitted to talk amongst themselves outside of Board Meetings, and Mr. Evans could not pass information between two Board Members. He stated Mr. Evans could pass any information on to himself (Mr. Ward) as he wished.

Ms. LeFevre recommended Mr. Evans visit the CDD's website.

Mr. Ward indicated his contact information was on the website.

SIXTH ORDER OF BUSINESS Adjournment

Mr. Ward adjourned the meeting at approximately 2:51 p.m.

On MOTION made by Mr. Mary LeFevre, seconded by Mr. Doug Ballinger, and with all in favor, the meeting was adjourned.

Miromar Lakes Community Development District

_____ _____

James P. Ward, Secretary Alan Refkin, Chairman

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

Our ref: 11225022-04

November 1, 2022

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

Miromar Lakes Water Quality Sampling Report – August 2022

Dear Mr. Bernard

GHD Services Inc. (GHD) is pleased to present the results of our water quality sampling services for Lakes 3 and 6 – Miromar Lakes.

1. Water Quality Sampling – August 2022

The August 2022 sampling event consisted of the collection of surface water samples from a total of five (5) test locations (WQ #1 through #4 and #6) from Lake 6 – Miromar Lakes, and one (1) location (WQ #5) at the outfall of Lake 3 within the Miromar Lakes Golf Club as identified on **Figure 1**.

The sampling plan includes sample collection at the following locations and depths:

Sample Identification	Sampling Location	Sample Depth
WQ Location #1	Rip Rap in front of the Miromar Lakes Pkwy Bridge	18 inches
WQ Location #2	Mouth of Canal (west of Via Portofino Way)	18 inches
WQ Location #3A	Back of Weir (southeast of Via Navona Way)	18 inches
WQ Location #4	Beach front (east of the Miromar Lakes Pkwy & Montlelago Ct.)	18 inches
WQ Location #5	Lake 3 Outfall within the Miromar Lakes Golf Club	18 inches
WQ Location #6	Front of Weir (southeast of Via Navona Way)	36 inches

Conductivity, dissolved oxygen, pH, and temperature were measured in the field with a calibrated YSI Model 556 multi-parameter water quality meter. Turbidity and total water depth were measured at the time of sample collection. Surface Water Field Sheets are attached. Field data is summarized in the **Table**.

Samples are collected using direct-dip sampling methods. The samples are capped, labeled, 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 analysis are conducted for 5-Day Biochemical Oxygen Demand (BOD5), Total Suspended Solids (TSS), Total Nitrogen, nitrogen speciation (ammonia, TKN, and nitrate + nitrite), Total Phosphorus, Ortho Phosphorus (Field Filtered) and Chlorophyll-*a*.

All samples collected during the August 2022 sampling event were prepared and analyzed within the method required holding times. The laboratory data have 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 Analytical Report.**

Trend graphs have been prepared for each monitor location for laboratory analytical results and select field measurements. The trend graphs include water quality action levels for select parameters as developed and presented in the Lake Management Plan for Miromar Lakes. GHD recommends that if a single measurement exceeds an action level the District notify their lake maintenance contractor to inspect the lake(s) for evidence of potential algal blooms and treat as needed. If a subsequent measurement exceeds an action level, it is recommended the District investigate potential reasons behind the change and take appropriate action(s) as applicable based on the findings.

2. Analytical Summary

It appears that between the prior sampling event in February 2022 and the recent sampling event conducted on August 22, 2022:

- BOD5 levels remained consistent and undetected except for at WQL #2, which slightly increased, and WQL #5, which slightly decreased;
- Dissolved Oxygen and DO% results varied, but remained relatively constant according to historical trends;
- TKN and Total Nitrogen slightly increased at all locations except for WQL #6, where they slightly decreased;
- Orthophosphorus and Total Phosphorous remained consistent at all locations;
- Total Suspended Solids and turbidity remained relatively constant at all locations;
- pH slightly increased at all locations;
- Chlorophyll-a results showed an overall increasing trend, slightly increasing in WQL #1, WQL #3, WQL #6, and increasing in WQL #2, WQL #4, and WQL #5. WQL #5 had a chlorophyll-a concentration of 21.7 mg/m3, which is in exceedance of the action limit for chlorophyll-a, 20 mg/m3.

The dissolved oxygen readings at the monitoring locations fluctuate throughout the year as anticipated given the temperature of the water and biological activity. The dissolved oxygen remains well above the action level for dissolved oxygen percent (%) (a minimum of 38%). All sample locations displayed an increasing trend of dissolved oxygen percent for the most recent August 2022 sampling event when compared to recent sampling events. WQL #1 and WQL #5 were monitored due to a previous decreasing trend in dissolved oxygen percent. Both locations displayed an increase since the previous sampling event. The dissolved oxygen fluctuates throughout the year with apparent lows during the latter part of the year (e.g. September to December months). GHD recommends the District notify their lake maintenance contractor to continue to watch for evidence of algal blooms during these time periods.

The pH at the monitoring locations have shown an increasing trend in the past four (4) sampling events. The pH during this month's sampling event increased at all locations and exceeded the upper action limit of 8.5 SU in five (5) out of six (6) water quality locations. WQL #1, #2, #3, #4, and #6 had the following pH during the August 2022 sampling event: 8.64, 8.56, 8.57, 8.76, and 8.76, respectively. The pH across all locations has historically fluctuated and is dependent on many factors. For instance, the pH during the March 2021 sampling event also saw five (5) out of six (6) water quality locations at or above the upper action limit before significantly dropping the next sampling event in August 2021 to values vastly under the upper action limit, but still above the lower action limit. It should be noted that prior to the August 2021 sampling event, an upward pH trend (similar to the one being seen in the current August 2022 sampling event) was seen across six (6) prior sampling events (April 2019 to March 2021) before dropping in August 2021.

The concentrations of chlorophyll-a were below the action level at all sample locations this month except for WQL #5, which was just over the action limit (20 mg/m3) at a concentration of 21.7 mg/m3. It appears chlorophyll-a is elevated in Lake 3 during the monitor events conducted in warmer months of the year. This

month's results have increased since the previous February 2022 sampling event but are consistent with historical levels.

During the August 2022 monitoring event, the concentrations of total phosphorous remained consistent with historical levels, all being below the lower action level limit.

The concentrations of orthophosphate remained consistent with historical levels at all locations, and all below the action level limit. The orthophosphate at all sample locations slightly increased, except for WQL #2, where it remained the same.

While the total nitrogen has fluctuated in concentration in the past. For the August 2022 sampling event, total nitrogen has increased at all sampling locations except WQL #6, where it slightly decreased. All locations remain below action levels. GHD will continue to closely monitor total nitrogen trends.

While turbidity has fluctuated in the past, the observed turbidity generally has stayed well below the action level and remained consistent with historical levels this month.

Based on historical data, it appears the BOD tends to be elevated during April/May. While the BOD fluctuates, including detections above the action level, the BOD generally does not remain above its action level for more than one monitoring event. This month, BOD at all sample locations were below the action level and relatively stable. During the months of April/May, particularly at Lake 3, the lake maintenance contractor may need to inspect the lakes more often for evidence of potential algal blooms and treat as needed.

The conductivity at the monitoring locations fluctuates throughout the year but generally remain similar to other monitoring locations with the exception of WQL #5, which is higher. The WQL #5 is at the weir of the Lake 3 on the golf course, whereas the other sample locations are from Lake 6 in the residential development area. Therefore, the variation from WQL #5 to the other locations is not unexpected. WQL #5 has consistently higher levels of conductivity than other monitoring locations since the beginning of sampling the location in August 2016, save two (2) sampling events. Conductivity at all water quality locations during the August 2022 remained consistent with the previous sampling event.

While the concentration of total suspended solids (TSS) has fluctuated, it generally remains below the action level. The results from August 2022 sampling event were consistent with historical trends and below the action level.

3. Conclusions and Recommendations

It appears water quality conditions from the August 2022 sampling event have remained relatively consistent when compared to the previous February 2022 sampling event with the exception of overall increases in pH, chlorophyll-a, and total nitrogen. Chlorophyll-a levels are historically higher in monitoring events conducted in warmer months and total nitrogen levels remain below action levels.

The pH levels have consistently and linearly risen over the past four (4) sampling events since August 2021. All sampling locations except WQL #5 saw pH in exceedance of the upper action limit of 8.5 SU. A similar elevating trend was seen between the April 2019 and March 2021 sampling events, before dramatically dropping in August 2021.

Cyanobacteria (blue-green algae) prefers basic water (between a pH of 7.5 and 10 SU). However, this is the first sampling event in recent history resulting in the majority of sample locations being above the upper action limit (five (5) out of six (6)). In addition, total nitrogen, total phosphorus, and chlorophyll-a concentrations remain mostly under their respective action levels. Therefore, GHD recommends continued water quality monitoring at this time. GHD also recommends the District notify their lake maintenance contractor to increase visual monitoring and inspect the lakes for evidence of potential algal blooms and treat as needed. If subsequent water quality measurements continue to exceed their respective action

limits, it will be recommended that the District investigate potential reasons behind the change and take appropriate action(s) as applicable based on the findings.

The next tri-annual sampling event is planned for November 2022.

Please call if you have questions or need additional information.

Regards,

Jessica Walsh
Environmental Engineer

239-571-0290
Jessica.Walsh@ghd.com

Lori Coolidge
Principal Geologist

813-476-9940
Lori.Coolidge@ghd.com

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

Table 1

Analytical Results Summary
Surface Water Quality Monitoring
Miromar Lakes, Fort Myers, Florida
August 2022

Sample Location/Sample ID:		WQ Location #1 / WQL1																		
Sample Date:		**04/27/16**	**08/03/16**	**10/31/16**	**01/31/17**	**05/04/17**	**08/02/17**	**12/06/17**	**04/26/18**	**08/22/18**	**12/11/18**	**04/16/19**	**10/24/2019**	**2/17/2020**	**06/03/2020**	**10/21/2020**	**03/03/2021**	**08/05/2021**	**10/26/2021**	**02/17/2022**	**08/22/2022**
Field Parameters	**Units**																				
Total Water Depth	Feet	7.66	NS	6.1	5.83	3.5	6.2	4.89	2.90	5.7	4.95	6.83	7.2	4.2	3.9	6.5	5.4	6.0	6.0	6.0	5.0
Sample Depth	Feet	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Conductivity, field	umhos/cm	408	353	387	369.3	405	413.1	348.2	407.3	354.6	312.7	387.3	348.4	369	689	300	292	358	304	304	295
Dissolved oxygen (DO), field	mg/L	8.03	5.91	7.53	8.13	7.95	5.91	6.95	6.89	7.39	8.54	6.49	6.1	8.02	6.05	7.07	7.51	7.0	5.74	5.74	6.12
Dissolved oxygen (DO), field	%	100.9*	79.3	89.4	88.5	101.6	79.6	83.0	87.6	98.9	96.0	80.9	78.1	94.5	77.0	87.1	90.6	93.1	72.3	72.3	83.1
pH, field	s.u.	8.44	8.19	7.92	8.13	7.97	8.23	8.08	8.37	8.24	8.31	8.13	8.36	8.26	8.29	8.57	8.82	8.10	8.32	8.50	8.64
Temperature, field	Deg C	27.08	30.8	24	19.5	28.0	31	24.3	27.7	30.6	21.1	26.6	28.1	23.44	29.1	26.6	25.0	29.91	27.4	27.4	31.5
Turbidity, field	NTU	2.41	3.44	3.55	4.64	8.16	5.05	3.02	2.90	5.53	4.39	3.32	3.71	1.66	3.63	2.42	1.58	1.87	1.82	1.82	2.93
Secchi Disk	Depth	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.80	4.20	3.90	6.0	5.4	6.0	NS	5.0	NS
Wet Parameters	**Units**																				
Ammonia-N	mg/L	U	0.026 I	U	0.035	0.008 U	0.008 U	0.026 I	0.008 U	0.022 I	0.008 U	0.008 U	0.017 I	0.008 U	0.008 U	0.008 U	0.008 U	0.008 I	0.008 U	0.008 U	0.008 I
TAN criteria calculation	mg/L	0.24	0.29	0.67	0.66	0.48	0.27	0.52	0.26	0.27	0.45	0.42	0.26	0.42	0.28	NS	NS	NS	NS	NS	NS
Total kjeldahl nitrogen (TKN)	mg/L	0.626	0.878	0.911	0.968	0.611	0.580	0.629	0.551	0.565	0.632	0.619	0.588	0.632	0.591	0.05 U	0.480	0.474	0.531	0.430	0.630
Total nitrogen	mg/L	0.626	0.878	0.911	0.974	0.616	0.592	0.629	0.565	0.574	0.639	0.619	0.588	0.639	0.591	0.05 U	0.480	0.474	0.531	0.430	0.818
Nitrite/Nitrate	mg/L	U	U	U	0.006 I	0.005 I	0.012 I	0.004 U	0.014 I	0.009 I	0.007 I	0.006 U	0.006 U	0.007 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.188
Ortho phosphorus (Field Filtered)	mg/L	0.074	0.071	0.030	0.012	0.027	0.038	0.026	0.014	0.017	0.014	0.024	0.026	0.028	0.051	0.0126	0.024	0.011	0.014	0.003 I	0.018
Total phosphorus	mg/L	0.087	0.091	0.068	0.038	0.027 I	0.041	0.121	0.017 I	0.018 I	0.026 I	0.034	0.063	0.035	0.053	0.011 I	0.059	0.022 I	0.030 I	0.017 I	0.017 I
Chlorophyll	mg/m3	5.91	7.32	7.86	11.1	8.42	9.27	5.25	10.1	10.1	6.92	3.72	7.81	3.71	3.96	5.76	3.55	7.44	7.06	3.36	8.28
Total suspended solids (TSS)	mg/L	2.35	3.49	4.80	7.00	7.80	6.15	3.67	3.67	4.00	4.20	1.20 I	2.20 I	3.50	3.20	2.40	2.00 I	2.80	0.667 I	2.50	2.20 I
Biochemical oxygen demand (total BOD5)	mg/L	0.706 I	U	U	1.06 I	1.40 I	1.05 I	1 U	1.16 I	2.72 I	1.85 I	1.24 I	1.03 I	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U

Sample Location/Sample ID:		WQ Location #2 / WQL2																		
Sample Date:		**04/27/16**	**08/03/16**	**10/31/16**	**01/31/17**	**05/04/17**	**08/02/17**	**12/06/17**	**04/26/18**	**08/22/18**	**12/11/18**	**04/16/19**	**10/24/2019**	**2/17/2020**	**06/03/2020**	**10/21/2020**	**03/03/2021**	**08/05/2021**	**10/26/2021**	**02/17/2022**	**08/22/2022**
Field Parameters	**Units**																				
Total Water Depth	Feet	7.43	NS	9.2	8.56	6	6.2	8.01	6.00	10.2	8.65	8.31	10.4	7.8	6.35	9.0	8.8	10.25	7.5	8.5	6.0
Sample Depth	Feet	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Conductivity, field	umhos/cm	422	359	384	385.7	414	435.0	638.9	417.0	363.7	321.2	411.8	346.4	373	701	300	303	346	305	322	293
Dissolved oxygen (DO), field	mg/L	7.67	5.55	7.12	8.05	7.87	6.21	6.58	6.95	7.52	9.90	6.88	6.27	8.12	5.86	4.64	7.04	7.09	8.64	8.18	7.63
Dissolved oxygen (DO), field	%	97.4	74.0	84.7	87.6	101.8	82.9	77.7	88.0	100.2	110.0	85.9	81.0	96.2	77.2	51.1	86.9	93.7	99.9	90.4	99.2
pH, field	s.u.	8.37	8.07	7.68	7.97	8.21	8.11	7.89	8.31	8.03	8.06	8.25	8.27	8.49	8.31	8.26	8.72	8.0	8.22	8.44	8.56
Temperature, field	Deg C	27.62	30.4	24.1	19.5	28.7	30.5	23.7	27.5	30.4	20.5	26.7	28.5	23.9	30.1	27.1	25.5	29.87	27.4	20.2	31.6
Turbidity, field	NTU	3.97	31.71	4.38	4.66	7.15	3.12	3.20	8.22	3.75	5.76	3.37	3.55	2.18	3.49	2.40	3.41	2.44	2.13	2.07	2.90
Secchi Disk	Depth	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.30	NS	5.5	6.5	7.0	7.0	NS	7.0	NS
Wet Parameters	**Units**																				
Ammonia-N	mg/L	U	0.019 I	U	0.071	0.008 U	0.008 U	0.036	0.008 U	0.008 U	0.008 U	0.027	0.008 U	0.008 U	0.008 U	0.009 I	0.008 U	0.017 I	0.008 U	0.008 U	0.008 U
TAN criteria calculation	mg/L	0.26	0.36	0.90	0.84	0.32	0.34	0.71	0.30	0.38	0.69	0.34	0.30	0.28	0.25	NS	NS	NS	NS	NS	NS
Total kjeldahl nitrogen (TKN)	mg/L	0.745	1.15	0.888	1.04	0.507	0.641	0.710	0.675	0.613	0.693	0.606	0.605	0.403	0.556	0.500	0.450	0.469	0.542	0.538	0.635
Total nitrogen	mg/L	0.745	1.15	0.900	1.04	0.514	0.645	0.710	0.690	0.618	0.698	0.606	0.605	0.403	0.556	0.500	0.450	0.469	0.542	0.538	0.806
Nitrite/Nitrate	mg/L	U	U	0.012 I	U	0.007 I	0.004 I	0.004 U	0.015 I	0.005 I	0.006 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.171
Ortho phosphorus (Field Filtered)	mg/L	0.077	0.070	0.064	0.015	0.028	0.050	0.025	0.015	0.020	0.008	0.002 U	0.055	0.035	0.053	0.0288	0.026	0.016	0.015	0.010	0.010
Total phosphorus	mg/L	0.079	0.087	0.066	0.031 I	0.054	0.065	0.042	0.023 I	0.008 U	0.009 I	0.008 U	0.073	0.069	0.062	0.012 I	0.032	0.017 I	0.036	0.020 I	0.021 I
Chlorophyll	mg/m3	6.59	7.28	8.08	11.7	7.76	7.13	5.42	8.35	9.06	8.80	5.28	9.11	4.34	5.11	6.13	2.04	5.95	7.37	3.72	11.6
Total suspended solids (TSS)	mg/L	4.21	3.90	4.60	7.20	6.60	2.60	3.60	8.00	1.00 I	4.67	3.80	2.40	3.00	2.40	2.40	2.80	2.80	2.00 I	1.75 I	2.00 I
Biochemical oxygen demand (total BOD5)	mg/L	0.778 I	U	U	1.33 I	1.13 I	1 U	1 U	1.36 I	1.89 I	1.10 I	1.40 I	1.50 I	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.03

Table 1

Analytical Results Summary
Surface Water Quality Monitoring
Miromar Lakes, Fort Myers, Florida
August 2022

Sample Location/Sample ID:		WQ Location #3A / WQL3A																			
Sample Date:		**04/27/16**	**08/03/16**	**10/31/16**	**01/31/17**	**05/04/17**	**08/02/17**	**12/06/17**	**04/26/18**	**08/22/18**	**12/11/18**	**04/16/19**	**10/24/2019**	**2/17/2020**	**06/03/2020**	**10/21/2020**	**03/03/2021**	**08/05/2021**	**10/26/2021**	**02/17/2022**	**08/22/2022**
Field Parameters	**Units**																				
Total Water Depth	Feet	3.78	3.64	3.52	2.81	1.5	4.6	3.35	3.2	3.6	5.87	2.95	4.5	3	1.5	4.0	3.0	3.33	3.75	2.0	3.33
Sample Depth	Feet	1.5	1.5	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1.5	1.5	1.5	1.5	1.5	1.5
Conductivity, field	umhos/cm	406	329	255	375.7	430	200.4	339	418.9	365.1	323	391.9	373.2	381	690	293	297	363	313	321	296
Dissolved oxygen (DO), field	mg/L	7.31	4.78	2.93	7.40	14.02	1.38	6.49	6.16	7.33	8.44	5.82	2.05	5.77	6.49	6.41	5.62	3.15	8.43	6.70	6.88
Dissolved oxygen (DO), field	%	91.8	62.9	34.3	81.5	198	17.42	76.4	78.2	97.9	94.3	72.7	25.7	68.5	85.4	80.5	70.2	39.0	98.9	73.5	93.2
pH, field	s.u.	8.44	8.0	6.99	7.96	9.32	6.91	7.97	8.15	8.13	7.53	8.21	7.34	7.93	8.44	8.38	8.49	7.16	7.97	8.49	8.57
Temperature, field	Deg C	27.0	29.7	23.2	20.1	33.7	27.3	23.5	27.6	30.5	20.8	26.7	26.8	23.77	29.3	27.0	25.4	26.24	27.6	19.7	31.3
Turbidity, field	NTU	7.64	78.77	3.48	5.42	86.9	2.99	3.05	3.94	3.63	4.20	2.20	2.79	1.31	3.49	2.76	4.13	1.77	2.70	2.17	2.11
Secchi Disk	Depth	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Lake Bottom	Lake Bottom	Lake Bottom	4.0	3.0	3.33	NS	2.0	NS
Wet Parameters	**Units**																				
Ammonia-N	mg/L	U	0.029 I	0.044	0.027 I	0.008 U	0.008 U	0.009 I	U	0.023 I	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.009 I	0.008 U	0.035	0.008 U	0.008 U	0.008 U
TAN criteria calculation	mg/L	0.25	0.42	1.54	0.82	0.04	1.22	0.65	0.38	0.32	1.29	0.37	1.02	0.67	0.21	NS	NS	NS	NS	NS	NS
Total kjeldahl nitrogen (TKN)	mg/L	0.581	0.949	1.11	1.06	3.73	0.642	0.634	0.645	0.621	0.949	0.598	0.635	0.451	0.510	0.216	0.526	0.546	0.565	0.607	0.809
Total nitrogen	mg/L	0.581	0.949	1.13	1.06	3.73	0.650	0.634	0.658	0.626	0.954	0.598	0.635	0.451	0.510	0.216	0.526	0.546	0.565	0.607	0.982
Nitrite/Nitrate	mg/L	U	U	0.021	U	0.008 I	0.008 I	0.004 U	0.013 I	0.005 I	0.006 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.173
Ortho phosphorus (Field Filtered)	mg/L	0.073	0.012	0.051	0.012	0.018	0.029	0.031	0.016	0.020	0.025	0.014	0.060	0.043	0.048	0.0199	0.030	0.017	0.012	0.009	0.017
Total phosphorus	mg/L	0.088	0.026 I	0.052	0.033	0.090	0.039	0.048	0.024 I	0.008 U	0.019 I	0.018 I	0.066	0.069	0.064	0.012 I	0.046	0.021 I	0.017 I	0.022 I	0.020 I
Chlorophyll	mg/m3	5.76	8.71	10.1	10.4	249	10.1	4.83	7.85	10.6	8.15	4.60	7.88	3.79	5.10	5.52	4.00	7.06	7.99	4.09	9.16
Total suspended solids (TSS)	mg/L	7.06	6.42	5.11	7.20	95.0	3.80	4.00	3.60	6.00	4.33	2.60	2.40	1.50 I	4.80	2.40	4.20	2.00 I	3	1.75 I	1.67 I
Biochemical oxygen demand (total BOD5)	mg/L	U	U	U	1.11 I	10.6	1.39 I	1 U	1.12 I	1.66 I	1.19 I	2.32 I	1.27 I	1 U	1 U	1 U	1.30 I	1.32 I	1 U	1 U	1.0 U

Sample Location/Sample ID:		WQ Location #3B / WQL3B											WQL6	WQL6	WQL6	WQL6	WQL6	WQL6	WQL6	WQL6	WQL6
Sample Date:		**04/27/16**	**08/03/16**	**10/31/16**	**01/31/17**	**05/04/17**	**08/02/17**	**12/06/17**	**04/26/18**	**08/22/18**	**12/11/18**	**04/16/19**	**10/24/2019**	**2/17/2020**	**06/03/2020**	**10/21/2020**	**03/03/2021**	**08/05/2021**	**10/26/2021**	**02/17/2022**	**08/22/2022**
Field Parameters	**Units**																				
Total Water Depth	Feet	3.78	4	3.52	2.98	2	4.6	6.94	3.2	3.6	5.87	3.50	12.5	17.6	15.5	10.5	14.4	12.3	10.5	14.0	5.5
Sample Depth	Feet	3	3	3	2.5	1.5	3	3.0	NS	3	3	3	3	3	3	1.5	3	3	3.0	1.5	1.5
Conductivity, field	umhos/cm	405	341	369	313.1	406	384.1	338.6	NS	354.5	322.4	391.3	340.8	362	688	290	295	365	305	319	294
Dissolved oxygen (DO), field	mg/L	7.32	6.22	6.82	6.58	8.46	5.59	5.87	NS	7.39	6.32	5.7	5.63	8.44	6.49	6.66	7.43	6.82	8.25	8.40	7.52
Dissolved oxygen (DO), field	%	91.1	82.8	81.2	67.9	109.3	74.0	68.8	NS	98.8	70.6	71.2	72.4	99.2	85.7	83.4	90.4	90.3	85.4	90.8	99.8
pH, field	s.u.	8.46	8.14	7.68	7.77	8.12	8.10	8.00	NS	8.18	8.08	8.22	8.16	8.5	8.51	8.63	8.74	7.59	8.25	8.48	8.76
Temperature, field	Deg C	26.55	30.3	24.1	16.9	28.6	30.0	23.3	NS	30.6	20.8	26.7	28.3	23.28	29.4	29.3	25.2	30.07	27.6	19.6	31.4
Turbidity, field	NTU	7.98	10.03	3.15	21.38	3.93	4.15	2.84	NS	26.26	7.10	2.17	4.85	1.48	2.83	2.13	1.75	2.19	1.79	2.79	2.89
Secchi Disk	Depth	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.80	8.00	7.20	7.0	7.5	6.4	NS	7.0	NS
Wet Parameters	**Units**																				
Ammonia-N	mg/L	U	0.15 I	U	0.097	0.008 U	0.008 U	0.028 I	NS	0.015 I	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.009 I	0.008 U	0.012 I	0.008 U	0.008 U	0.008 U
TAN criteria calculation	mg/L	0.24	0.32	0.90	1.29	0.37	0.35	0.63	NS	0.30	0.66	0.36	0.36	0.28	0.19	NS	NS	NS	NS	NS	NS
Total kjeldahl nitrogen (TKN)	mg/L	0.736	0.880	1.04	2.90	0.462	0.715	0.731	NS	0.757	0.722	0.683	0.612	0.414	0.490	0.05 U	0.559	0.448	0.496	0.782	0.539
Total nitrogen	mg/L	0.744	0.880	1.05	2.90	0.472	0.715	0.731	NS	0.763	0.727	0.683	0.612	0.414	0.490	0.05 U	0.559	0.448	0.496	0.782	0.539
Nitrite/Nitrate	mg/L	0.008 I	U	0.012 I	U	0.010 I	0.004 U	0.004 U	NS	0.006 I	0.006 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Ortho phosphorus (Field Filtered)	mg/L	0.088	0.064	0.029	0.012	0.029	0.226	0.272	NS	0.020	0.022	0.027	0.063	0.032	0.059	0.0155	0.026	0.002 I	0.014	0.010	0.014
Total phosphorus	mg/L	0.092	0.098	0.031 I	0.168	0.054	1.08	0.501	NS	0.013 I	0.033	0.029 I	0.067	0.035	0.064	0.016 I	0.055	0.023 I	0.038	0.020 I	0.015 I
Chlorophyll	mg/m3	5.99	7.05	7.57	64.5	5.44	9.14	3.94	NS	10.8	7.61	5.38	8.86	3.18	4.95	4.80	2.48	7.62	6.69	4.19	8.55
Total suspended solids (TSS)	mg/L	7.11	5.78	3.80	44.7	4.20	4.80	3.20	NS	26.0	3.33	6.20	2.60	1.25 I	3.20	2.60	1.80 I	1.20 I	3	1.25 I	2.40
Biochemical oxygen demand (total BOD5)	mg/L	0.556 I	U	U	6.47	1 U	1.45 I	1 U	NS	2.01 I	1 U	1.16 I	1.04 I	1 U	1 U	1.39 I	1 U	1 U	1 U	1 U	1.0 U

Table 1

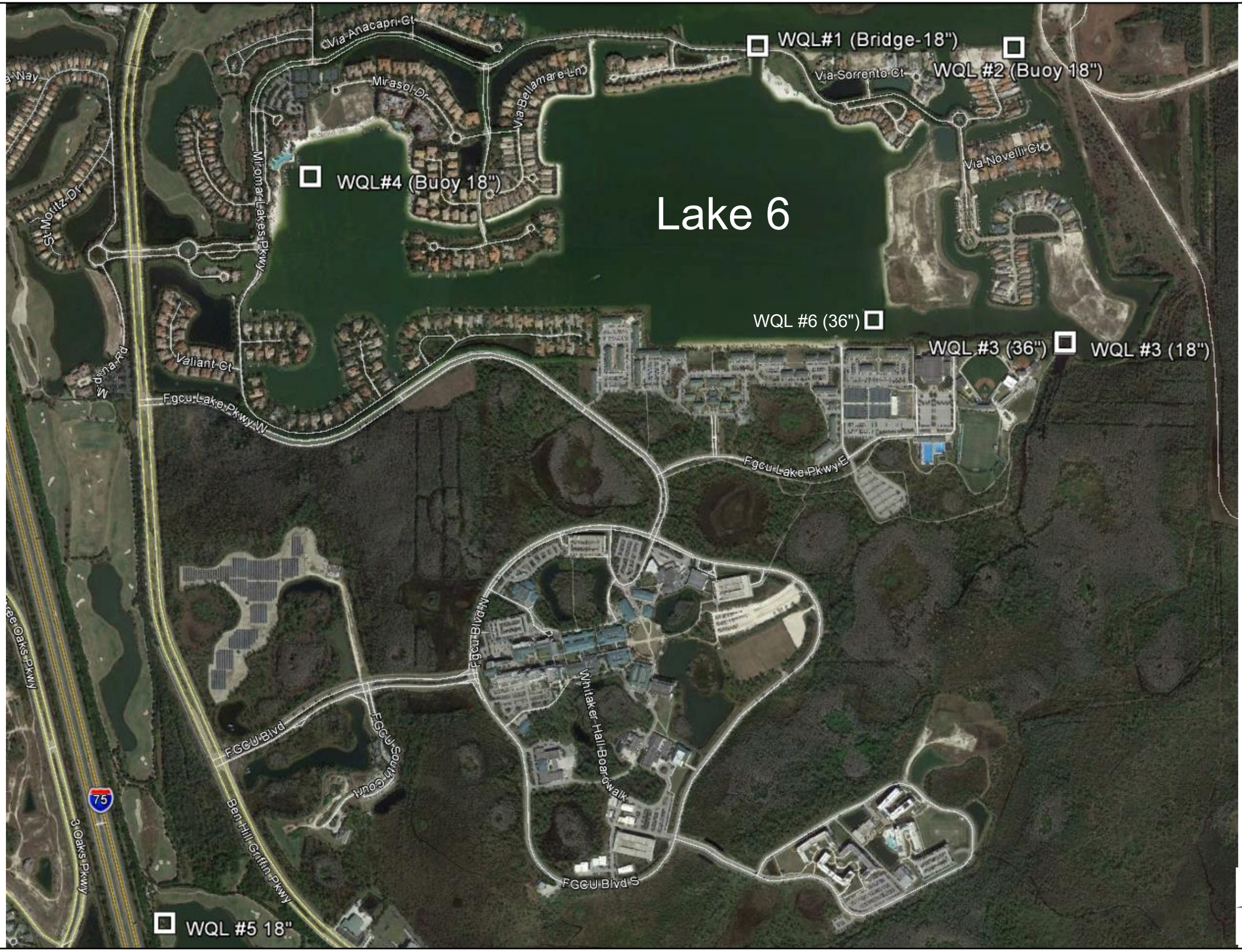
Analytical Results Summary
Surface Water Quality Monitoring
Miromar Lakes, Fort Myers, Florida
August 2022

Sample Location/Sample ID:		WQ Location #4 / WQL4																			
Sample Date:		**04/27/16**	**08/03/16**	**10/31/16**	**01/31/17**	**05/04/17**	**08/02/17**	**12/06/17**	**04/26/18**	**08/22/18**	**12/11/18**	**04/16/19**	**10/24/2019**	**2/17/2020**	**06/03/2020**	**10/21/2020**	**03/03/2021**	**08/05/2021**	**10/26/2021**	**02/17/2022**	**08/22/2022**
Field Parameters	**Units**																				
Total Water Depth	Feet	12	7.77	14.88	7.91	5.0	10.7	7.9	6.90	11.8	10.7	14.20	15.4	13.55	12.55	13.0	8.01	7.2	7.0	5.5	6.0
Sample Depth	Feet	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	NM	1.5
Conductivity, field	umhos/cm	403	340	373	361.8	405	404.8	342.0	399.7	342	310.3	382.1	337.0	363	682	286	291	349	302	318	293
Dissolved oxygen (DO), field	mg/L	7.72	6.55	7.14	8.06	8.33	5.02	5.73	7.13	6.96	7.84	7.28	6.42	8.45	6.42	1.41	7.75	7.31	6.69	8.22	7.06
Dissolved oxygen (DO), field	%	96.4	88.3	85.6	88.3	106.6	66.8	68.2	89.2	92.9	87.8	90.2	82.8	99.4	83.4	17.0	93.5	94.2	89.1	90.6	97.8
pH, field	s.u.	8.58	8.31	7.59	8.10	7.65	8.16	8.08	8.39	8.34	7.99	7.97	8.38	8.58	8.57	8.66	8.80	6.62	8.21	8.26	8.76
Temperature, field	Deg C	26.71	31.1	24.5	19.8	28.1	30.3	24.1	26.8	30.5	20.9	26.3	28.5	23.49	29.9	27.5	24.8	29.95	27.6	19.7	31.9
Turbidity, field	NTU	1.87	2.04	4.44	3.02	3.11	1.81	2.48	3.38	3.56	4.10	2.72	2.58	1.04	2.48	1.85	2.28	1.76	3.19	3.14	2.07
Secchi Disk	Depth	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.50	8.50	7.00	6.5	8.01	7.2	NS	5.5	NS
Wet Parameters	**Units**																				
Ammonia-N	mg/L	U	0.023 I	U	0.012 I	0.008 U	0.008 U	0.026 I	0.008 U	0.014 I	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.025 I	0.008 U	0.008 U	0.071
TAN criteria calculation	mg/L	0.20	0.23	0.96	0.68	0.72	0.31	0.53	0.27	0.23	0.74	0.54	0.25	0.24	0.16	NS	NS	NS	NS	NS	NS
Total kjeldahl nitrogen (TKN)	mg/L	0.868	0.887	0.780	0.976	0.518	0.570	0.612	0.610	0.640	0.885	0.615	0.126 I	0.371	0.633	0.05 U	0.538	0.469	0.555	0.430	0.784
Total nitrogen	mg/L	0.868	0.887	0.808	0.976	0.524	0.570	0.612	0.623	0.645	0.885	0.615	0.126	0.371	0.633	0.05 U	0.538	0.469	0.555	0.446	0.969
Nitrite/Nitrate	mg/L	U	U	0.028	U	0.006 I	0.004 U	0.004 U	0.013 I	0.005 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.016 I	0.185
Ortho phosphorus (Field Filtered)	mg/L	0.094	0.017	0.024	0.017	0.030	0.044	0.027	0.019	0.017	0.022	0.026	0.065	0.037	0.042	0.0180	0.021	0.012	0.016	0.010	0.016
Total phosphorus	mg/L	0.101	0.021 I	0.027 I	0.038	0.048	0.067	0.038	0.030 I	0.044	0.043	0.038	0.070	0.064	0.064	0.014 I	0.043	0.032	0.043	0.020 I	0.017 I
Chlorophyll	mg/m3	4.92	7.11	7.78	9.09	3.94	9.31	4.62	8.66	10.5	8.43	3.43	7.38	2.75	3.78	5.05	1.74	5.39	7.27	3.82	14.2
Total suspended solids (TSS)	mg/L	2.33	2.84	3.60	5.20	3.26	2.60	1.60 I	2.00 I	5.50	2.33	3.40	3.20	1.25 I	3.40	1.80 I	0.570 U	3.60	2.00 I	1.25 I	0.570 U
Biochemical oxygen demand (total BOD5)	mg/L	U	U	U	1.09 I	1 U	1 U	1 U	1.16 I	1.47 I	1 U	1 U	1.07 I	1 U	1 U	1.51 I	1 U	1 U	1 U	1 U	1.0 U

Sample Location/Sample ID:		WQ Location #5 / WQL5																			
Sample Date:		**04/27/16**	**08/03/16**	**10/31/16**	**01/31/17**	**05/04/17**	**08/02/17**	**12/06/17**	**04/26/18**	**08/22/18**	**12/11/18**	**04/16/19**	**10/24/2019**	**2/17/2020**	**06/03/2020**	**10/21/2020**	**03/03/2021**	**08/05/2021**	**10/26/2021**	**02/17/2022**	**08/22/2022**
Field Parameters	**Units**																				
Total Water Depth	Feet	NS	2	2.03	1.42	2.5	4.32	2.84	S	2.7	1.10	1.50	1.98	1.72	<1	2.0	2.5	NM	4.0	2.0	2.5
Sample Depth	Feet	NS	1.5	1.5	0.5	1.5	1.5	1.5	S	1.5	0.5	0.75	1.0	1	<1	1.5	1.5	1.5	1.5	0.5	1.5
Conductivity, field	umhos/cm	NS	411	515	462.0	464	478.4	447.9	464.1	405.1	427.2	475.8	465.0	480	802	373	409	82.9	423	438	397.6
Dissolved oxygen (DO), field	mg/L	NS	4.84	6.22	6.88	8.50	8.03	4.21	5.47	6.09	4.21	5.00	3.20	7.6	5.18	7.65	3.05	6.07	4.69	8.40	6.31
Dissolved oxygen (DO), field	%	NS	64.7	77.2	72.2	111.1	109.1	49.6	68.2	81.2	46.1	61.0	41.3	89.3	69.0	96.5	37.5	80.6	60.1	53.4	85.1
pH, field	s.u.	NS	7.83	7.77	7.65	7.77	8.10	7.58	7.61	7.80	6.38	6.44	7.99	8.35	8.28	8.18	8.04	8.12	8.01	8.15	8.41
Temperature, field	Deg C	NS	30.6	26.4	17.7	29.3	31.5	23.6	26.6	30.4	19.8	25.4	28.4	23.42	30.3	27.4	25.3	30.19	27.9	20.6	32.2
Turbidity, field	NTU	NS	2.08	3.62	3.60	5.77	4.65	1.99	4.93	3.40	4.18	4.98	4.71	2.45	5.74	2.96	2.27	4.05	17.12	2.10	2.30
Secchi Disk	Depth	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Lake Bottom	Lake Bottom	Lake Bottom	NS	NS	NS	NS	NS	NS
Wet Parameters	**Units**																				
Ammonia-N	mg/L	NS	0.033	U	0.008 I	0.008 U	0.008 U	0.034	0.008 U	0.010 I	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.023 I	0.008 U	0.008 U	0.008 U	0.008 U
TAN criteria calculation	mg/L	NS	0.49	0.70	1.40	0.58	0.32	1.03	0.82	0.52	2.19	1.51	0.46	0.36	0.26	NS	NS	NS	NS	NS	NS
Total kjeldahl nitrogen (TKN)	mg/L	NS	0.845	0.786	0.962	0.754	0.756	0.838	1.11	0.857	0.944	0.902	0.807	0.688	1.08	0.137 I	0.755	0.720	0.668	0.925	0.883
Total nitrogen	mg/L	NS	0.845	0.794	0.962	0.762	0.760	0.854	1.13	0.863	0.957	0.902	0.807	0.688	1.08	0.137	0.755	0.720	0.668	0.925	1.06
Nitrite/Nitrate	mg/L	NS	U	0.008 I	U	0.008 I	0.004 I	0.016	0.016	0.006 I	0.013 I	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.177
Ortho phosphorus (Field Filtered)	mg/L	NS	0.022	0.042	0.017	0.027	0.019	0.022	0.016	0.015	0.019	0.023	0.050	0.038	0.055	0.075	0.029	0.014	0.008	0.010	0.016
Total phosphorus	mg/L	NS	0.065	0.042	0.036	0.035	0.067	0.046	0.027 I	0.025 I	0.024 I	0.028 I	0.081	0.049	0.102	0.084	0.067	0.035	0.027 I	0.034	0.024 I
Chlorophyll	mg/m3	NS	15.1	12.5	13.9	16.0	25.0	17.3	27.6	19.8	15.4	23.4	15.7	12.6	30.4	22.7	4.93	22.9	16.5	5.08	21.7
Total suspended solids (TSS)	mg/L	NS	4.10	4.80	5.00	8.11	11.0	0.570 U	6.20	4.00	3.00	7.60	2.40	3.25	9.00	4.20	3.00	5.40	2.33	1.50 I	2.00 I
Biochemical oxygen demand (total BOD5)	mg/L	NS	1.31 I	1.56 I	1.36 I	2.41 I	2.14 I	1.64 I	3.38 I	1.15 I	1.38 I	3.39 I	1.54 I	1.32 I	3.01 I	1.73 I	1 U	1.55 I	1 U	1.32 I	1.22

Notes:

S - Sample collected from edge of lake
U - Not detected at the associated reporting limit
* 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
NS - Not sampled during noted event
I - Reported value is between method detection limit and the practical quantitation limit



SITE:

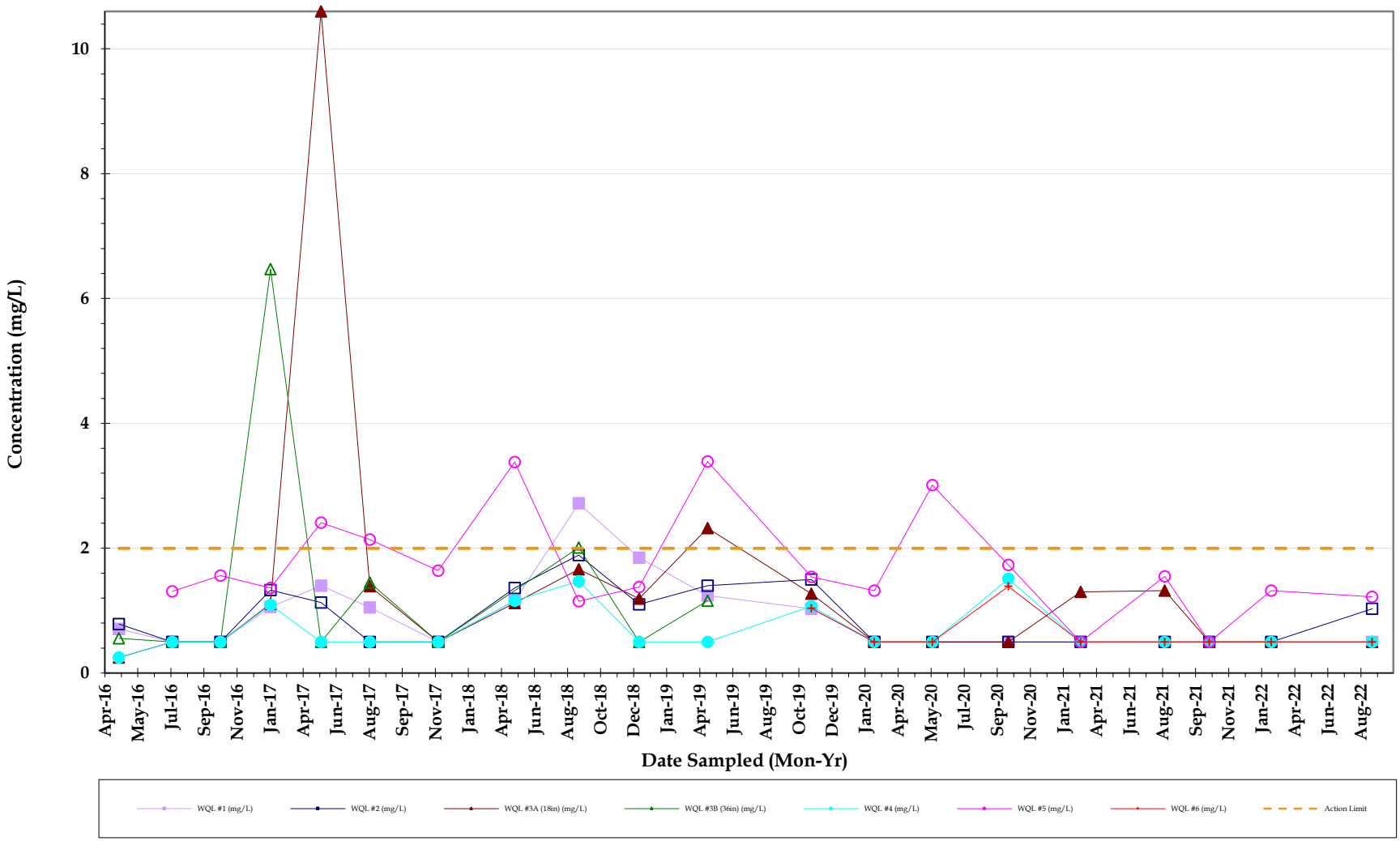
Water Quality Sampling Report – February 2020
Lakes 3 and 6 – Miromar Lakes
Fort Myers, Lee County, Florida

DESIGNED: JR	DRAWN: JR	PROJECT #: 11147356	DATE: Feb 2020
		CHECKED:	CAD FILE:

SHEET TITLE:

Location Map

FIGURE: 1

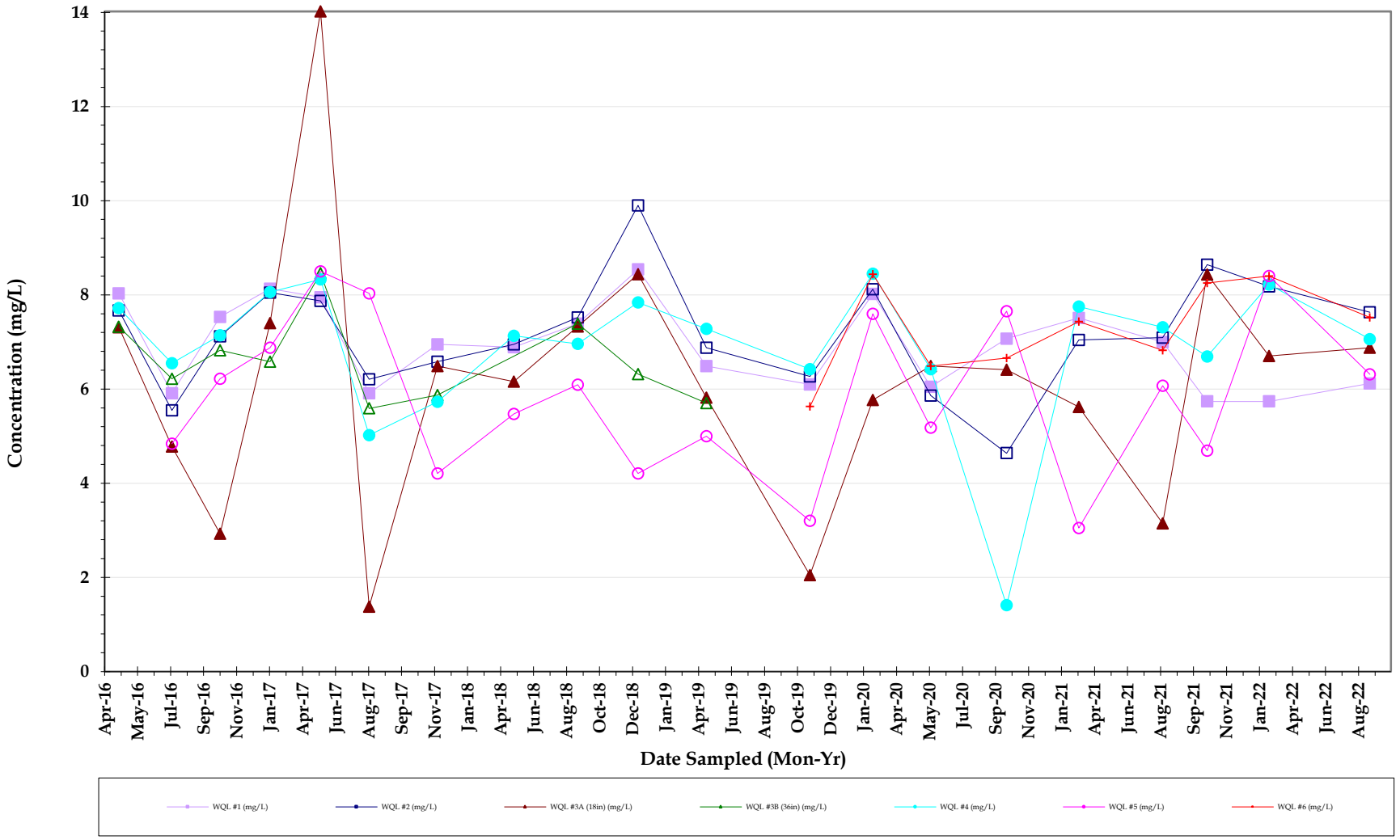


Biochemical Oxygen Demand

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

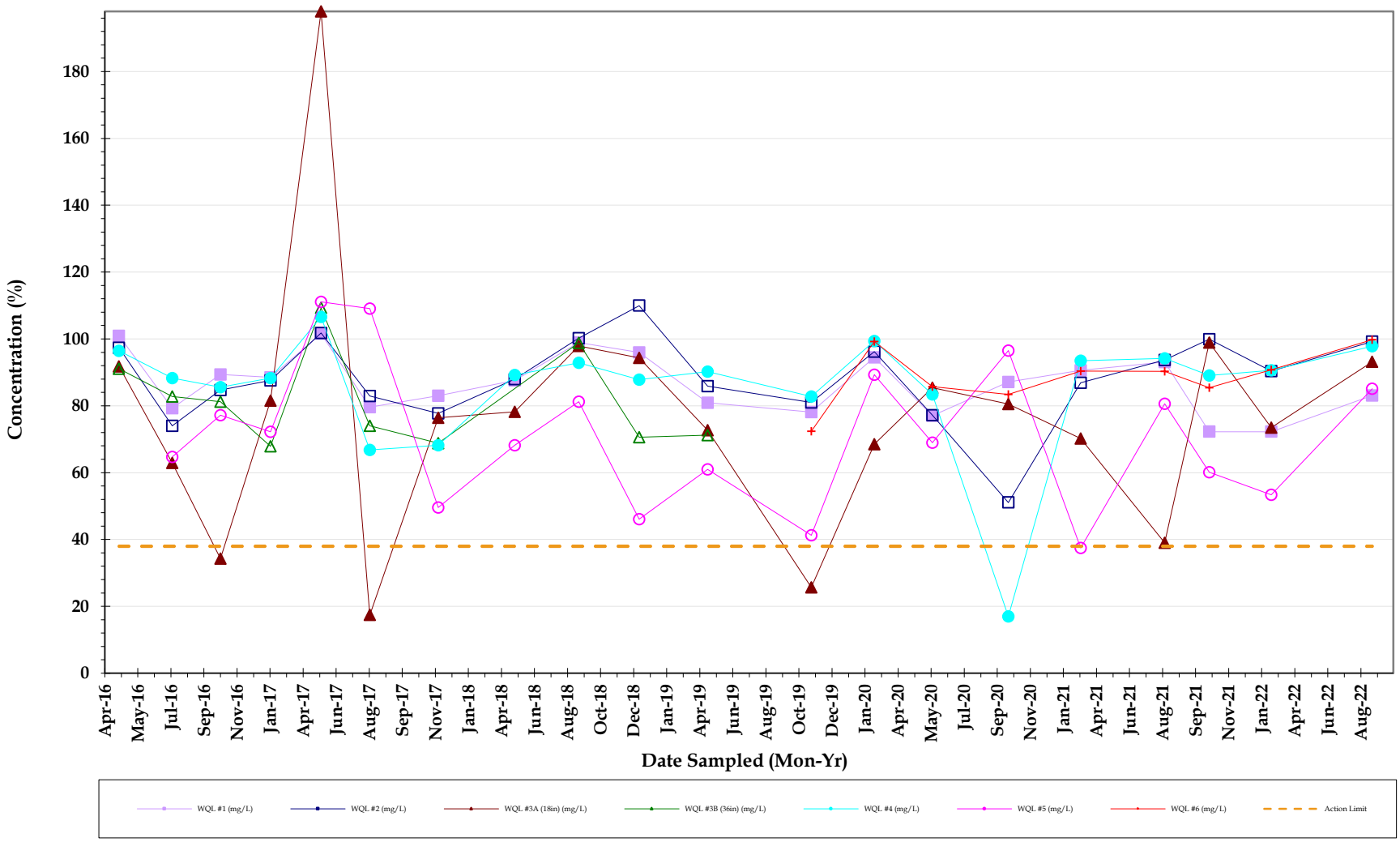


Dissolved Oxygen (mg/L)

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

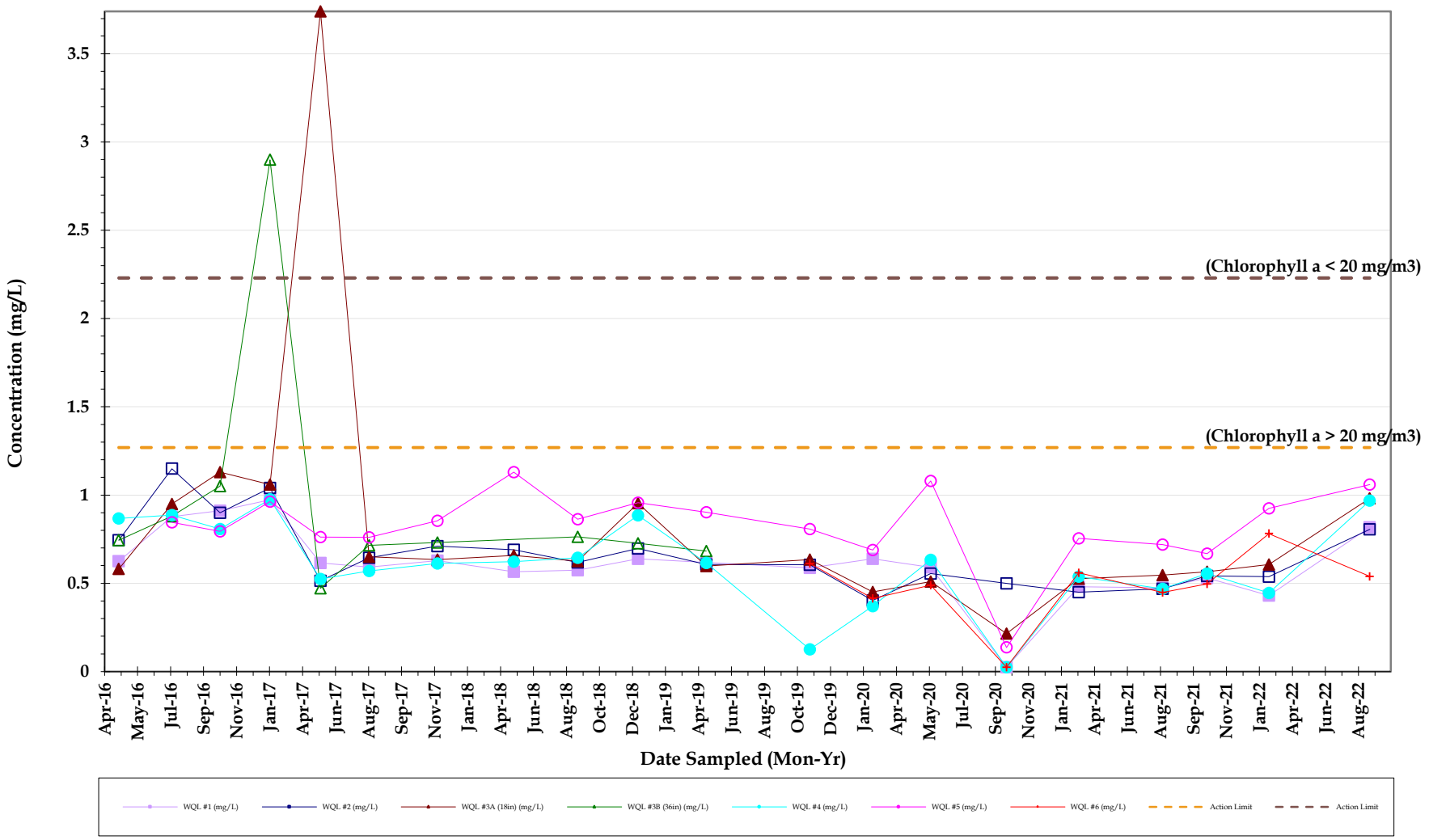


Dissolved Oxygen (%)

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

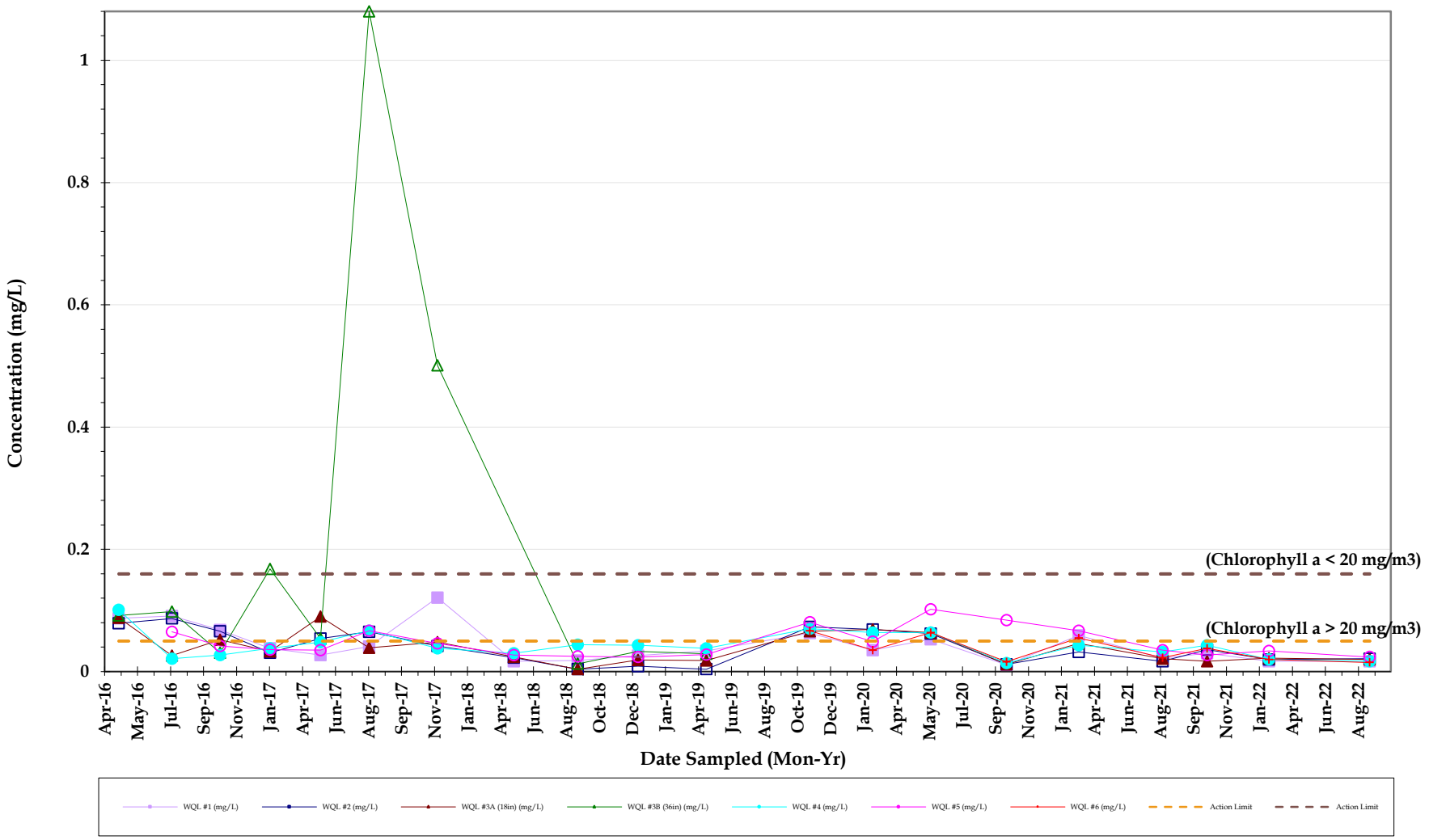


Total Nitrogen

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

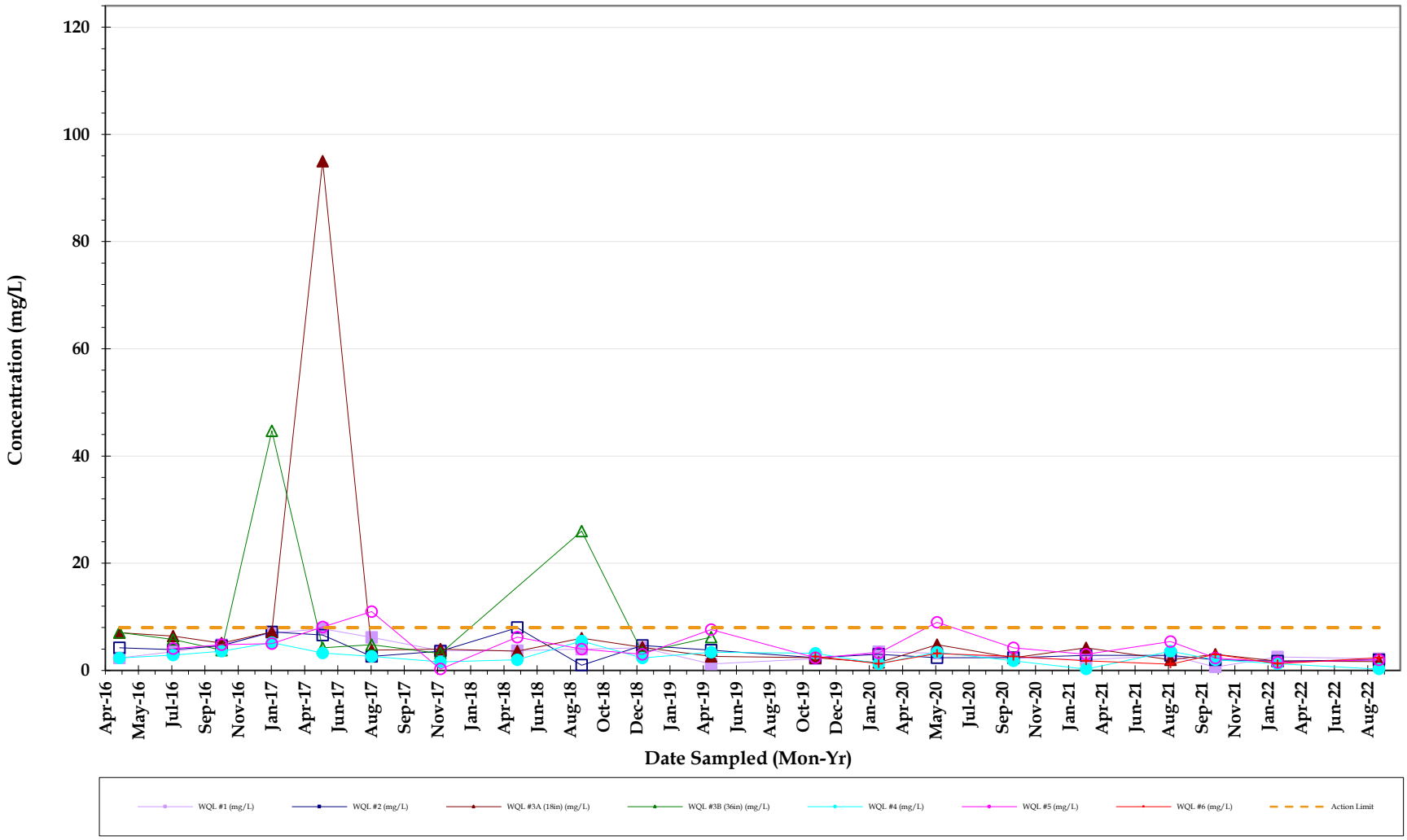


Total Phosphorus

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

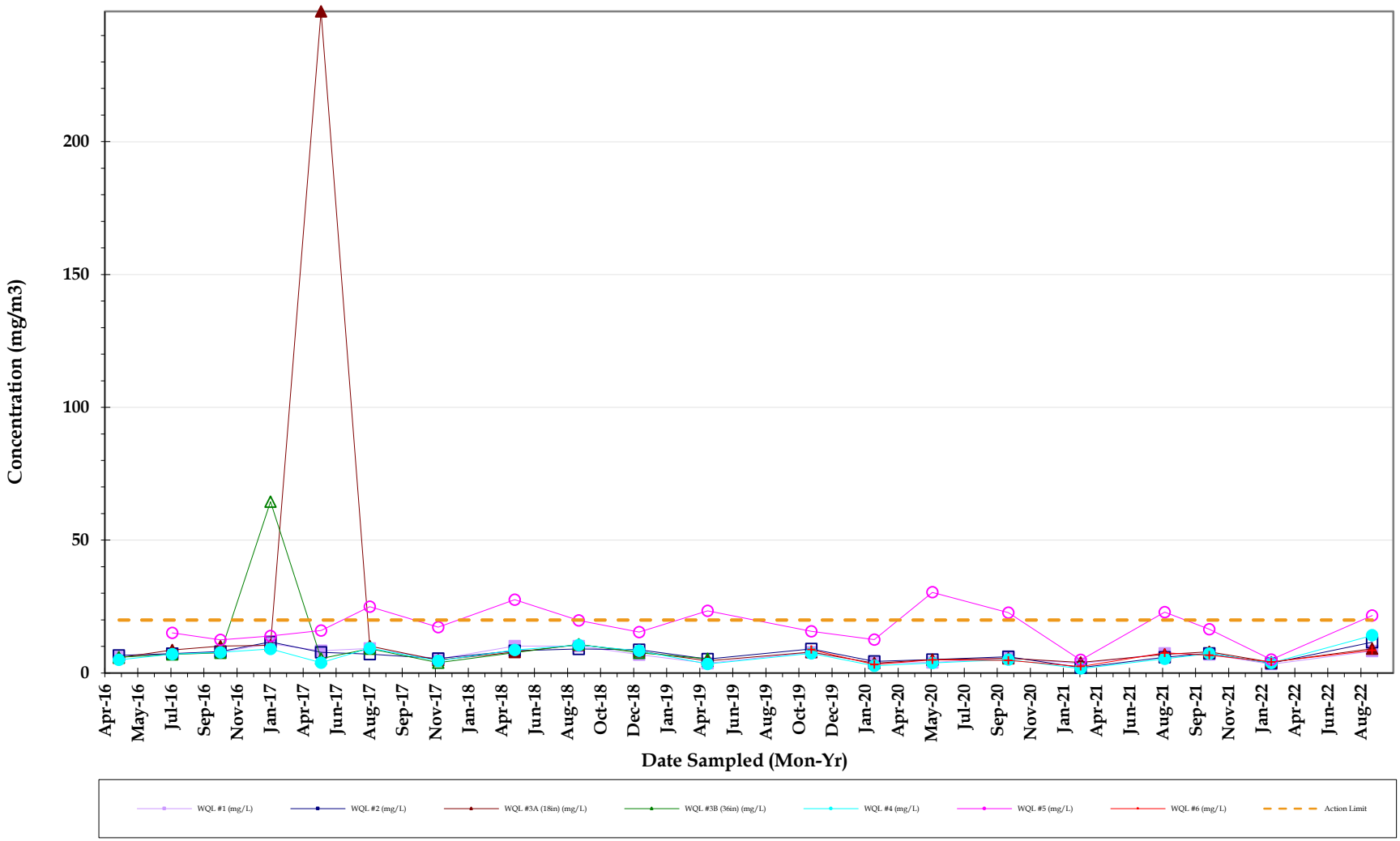


Total Suspended Solids

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

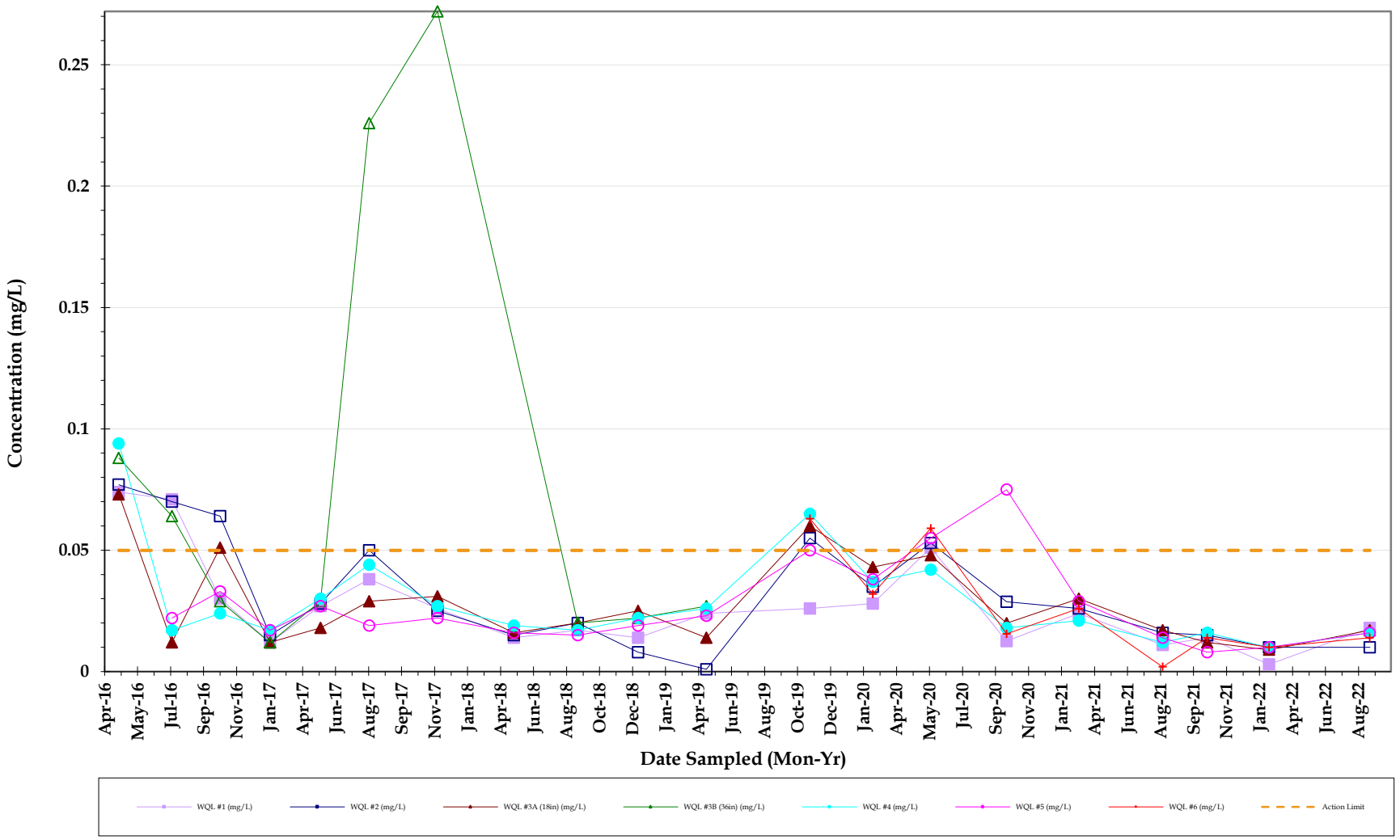


Chlorophyll *a*

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022



Orthophosphate

Miromar Lakes

Water Quality Surface Water Sample results

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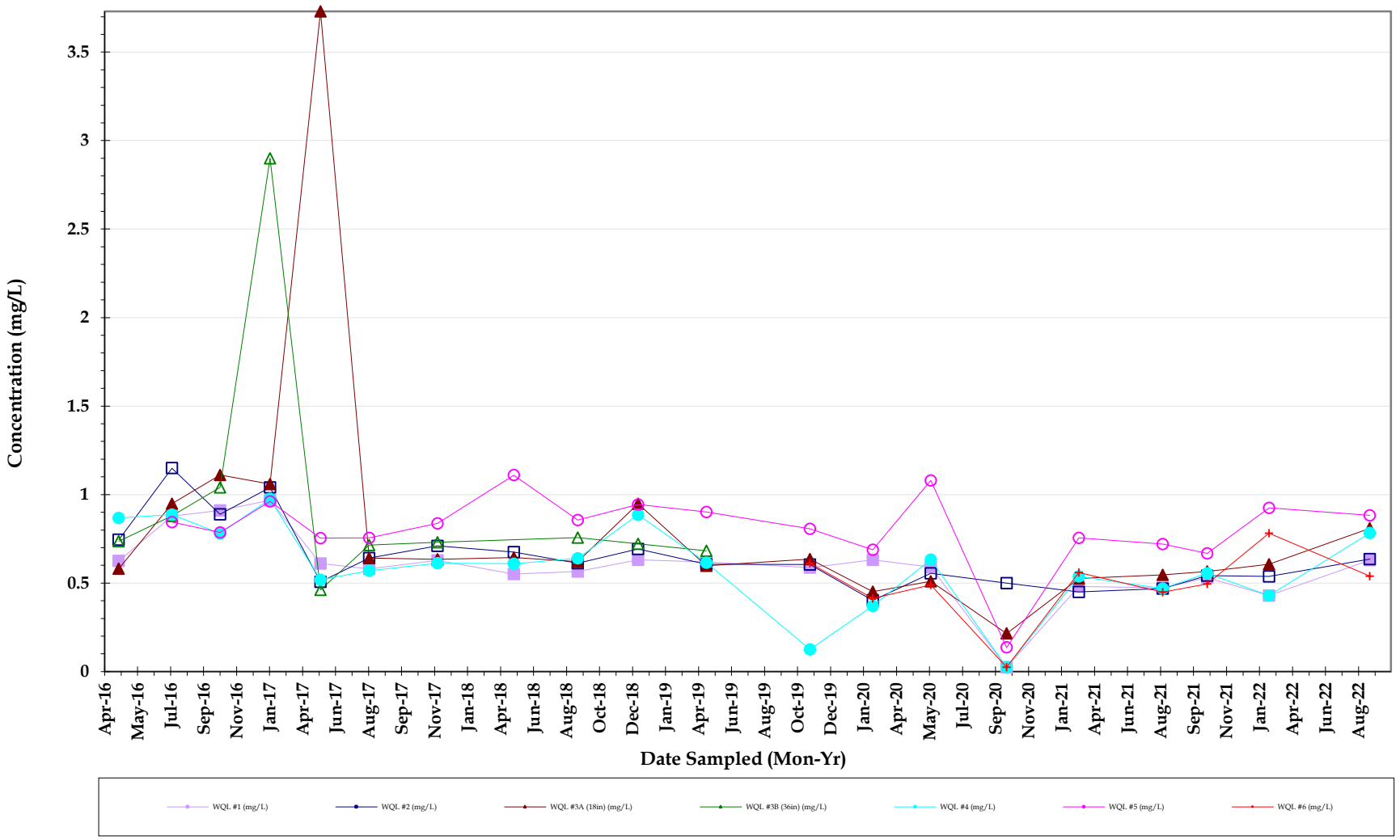
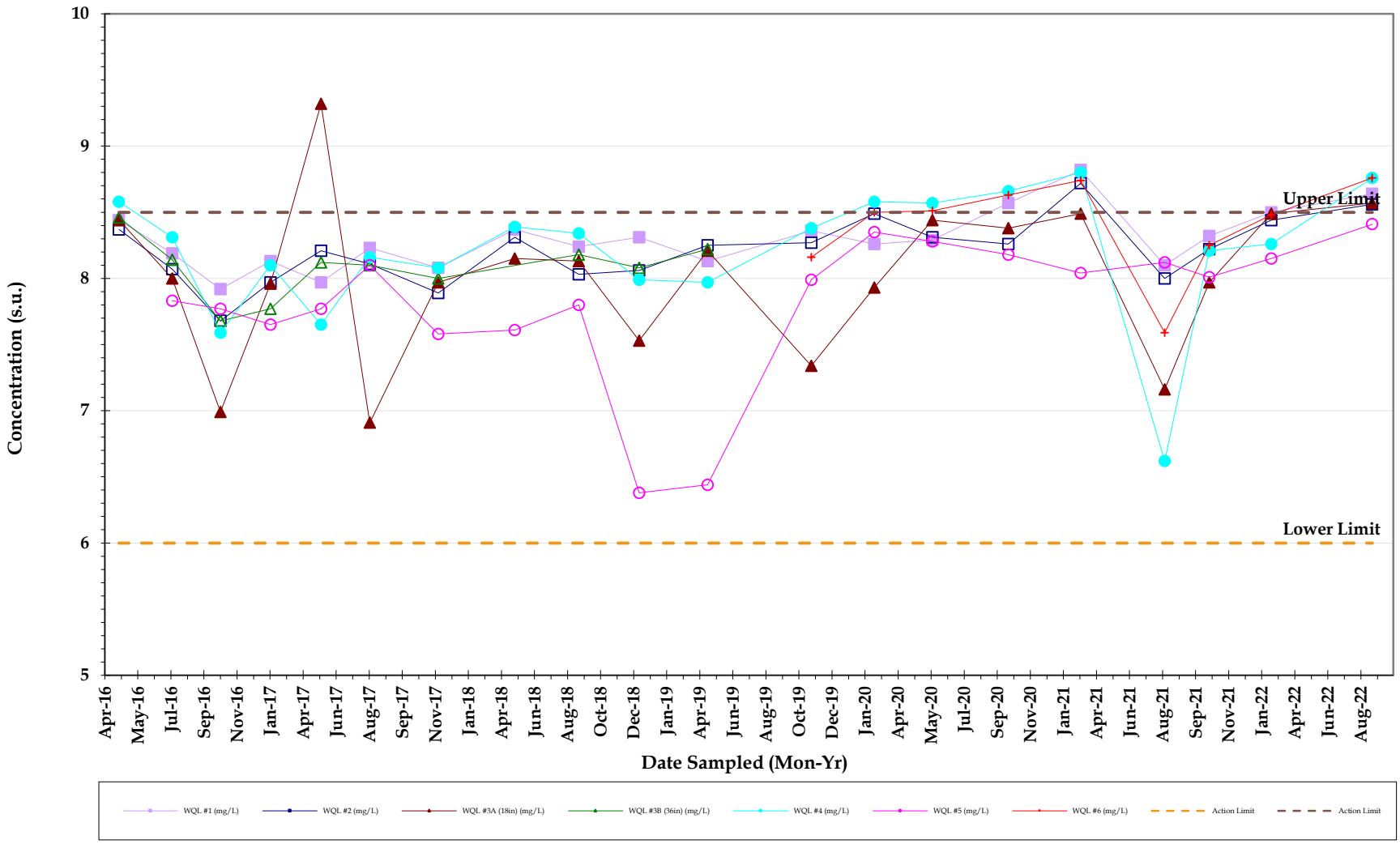


Total kjeldahl nitrogen (TKN)

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

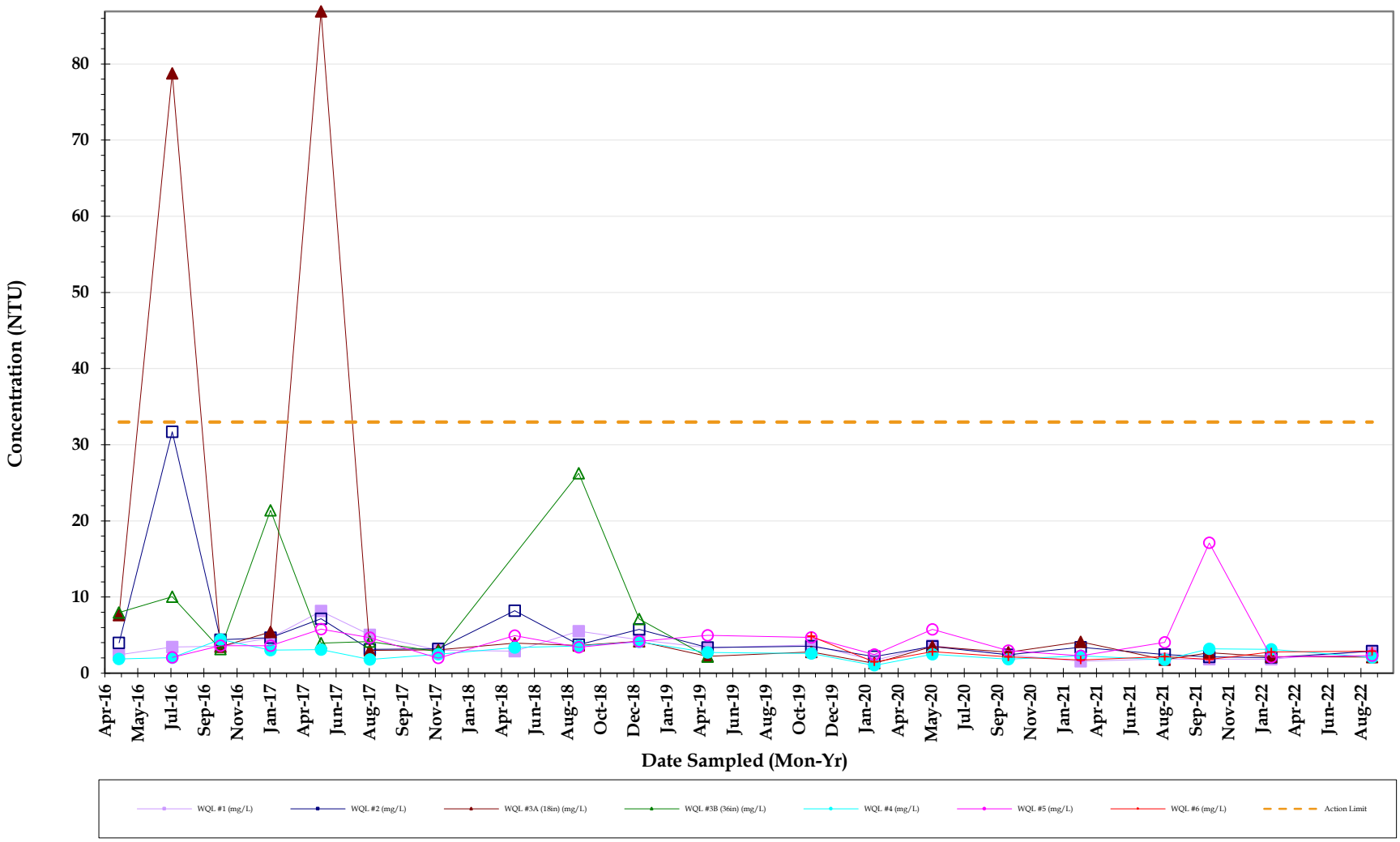


pH, Field

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

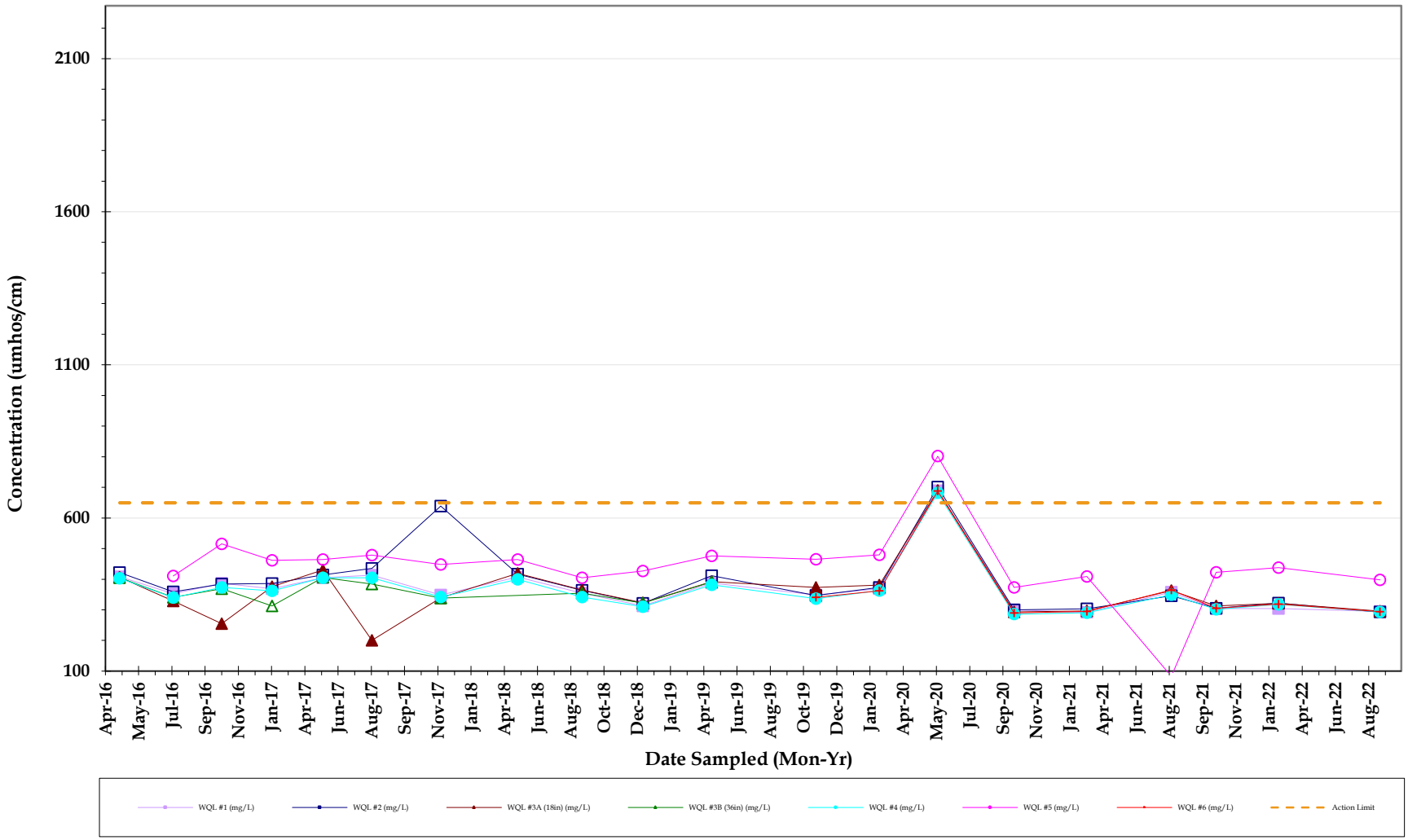


Turbidity

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

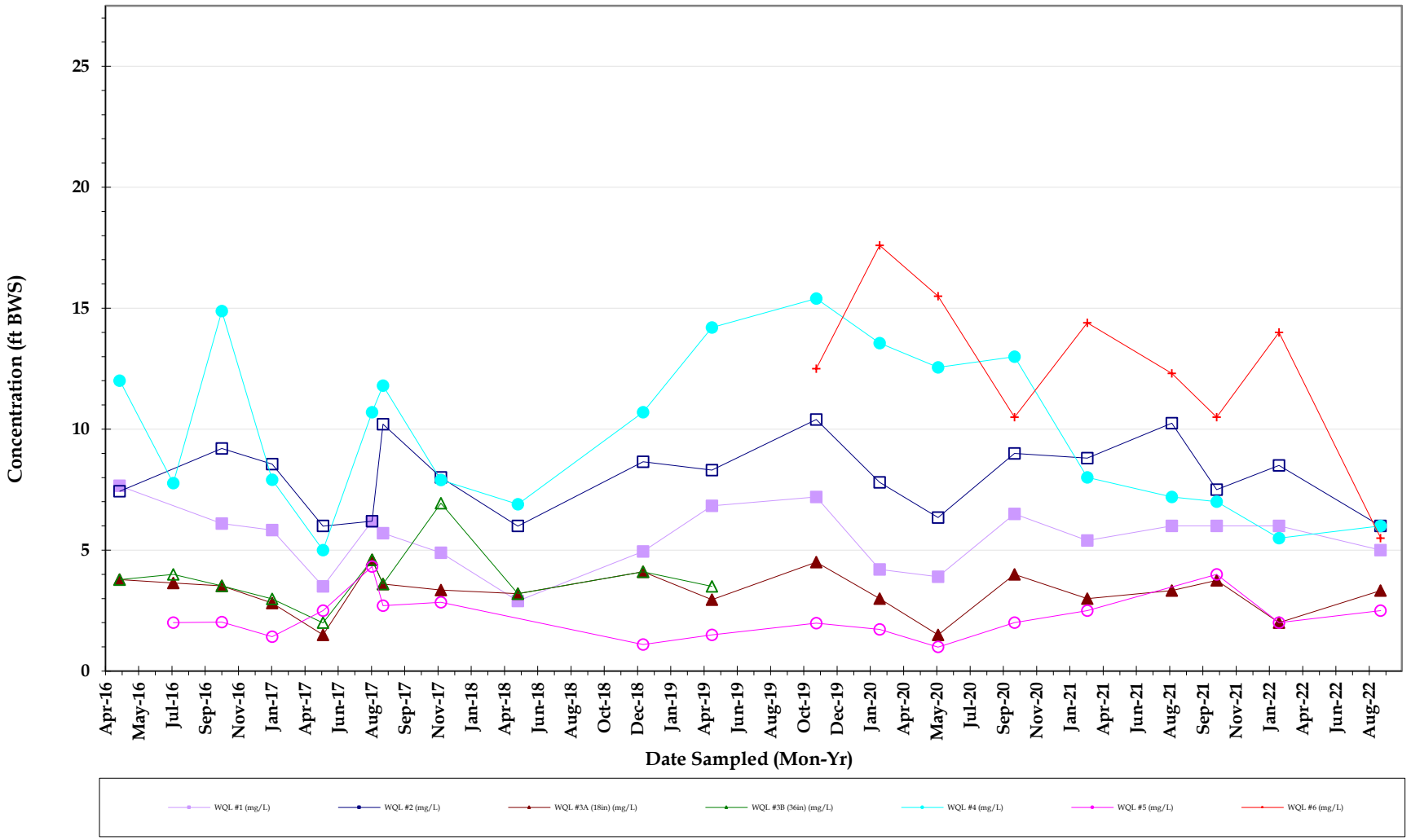


Conductivity

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

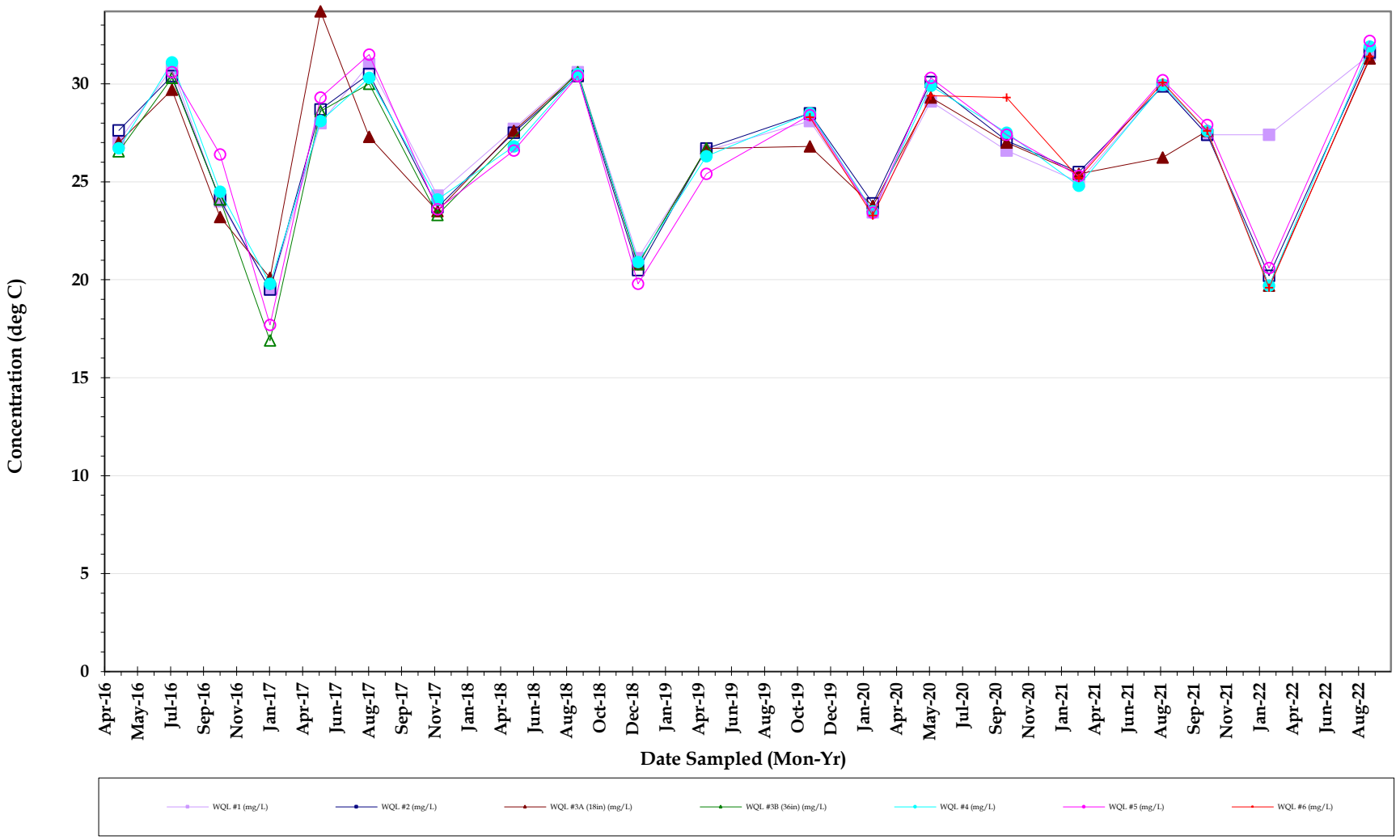


Water Depth

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022



Temperature, sample

Miromar Lakes

Water Quality Surface Water Sample results

AUGUST 2022

FDOH Certification #E84167

BENCHMARK *EnviroAnalytical, Inc.*

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 22081375

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

Project Name : MIROMAR LAKES WQM QTLY
Date Received : 08/23/2022
Time Received : 13:57
Project #: 11225022-04

Submission Number: 22081375
Sample Number: 001
Sample Description: WQL #1
Sample Date: 08/22/2022
Sample Time: 10:10
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 I	MG/L	0.008	0.032	350.1	09/08/2022 11:49	EO
TOTAL KJELDAHL NITROGEN	0.630	MG/L	0.05	0.20	351.2	09/01/2022 16:26	EO
ORTHO PHOSPHORUS AS P	0.018	MG/L	0.002	0.008	365.3	08/23/2022 17:50	YQ
TOTAL PHOSPHORUS AS P	0.017 I	MG/L	0.008	0.032	365.3	08/29/2022 14:30	YQ
CHLOROPHYLL A	8.28	MG/M3	0.25	1.00	445.0	09/19/2022 13:10	CH
TOTAL SUSPENDED SOLIDS	2.20 I	MG/L	0.570	2.280	SM2540D	08/24/2022 10:55	TG
BIOCHEMICAL OXYGEN DEMAND	1.0 U	MG/L	1.0	4.0	SM5210B	08/23/2022 14:37	LD/LD
NITRATE+NITRITE AS N	0.188	MG/L	0.006	0.024	SYSTEA EASY	09/04/2022 12:12	MV
TOTAL NITROGEN	0.818	MG/L	0.05	0.20	SYSTEA+351	09/04/2022 12:12	EO/MV

Submission Number: 22081375
Sample Number: 002
Sample Description: WQL #2
Sample Date: 08/22/2022
Sample Time: 10:00
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	09/07/2022 11:42	MV
TOTAL KJELDAHL NITROGEN	0.635	MG/L	0.05	0.20	351.2	09/01/2022 16:27	EO
ORTHO PHOSPHORUS AS P	0.010	MG/L	0.002	0.008	365.3	08/23/2022 17:50	YQ
TOTAL PHOSPHORUS AS P	0.021 I	MG/L	0.008	0.032	365.3	08/29/2022 13:42	YQ
CHLOROPHYLL A	11.6	MG/M3	0.25	1.00	445.0	09/19/2022 13:10	CH
TOTAL SUSPENDED SOLIDS	2.00 I	MG/L	0.570	2.280	SM2540D	08/24/2022 10:55	TG
BIOCHEMICAL OXYGEN DEMAND	1.03	MG/L	1.0	4.0	SM5210B	08/23/2022 14:37	LD/LD
NITRATE+NITRITE AS N	0.171	MG/L	0.006	0.024	SYSTEA EASY	09/04/2022 14:11	MV
TOTAL NITROGEN	0.806	MG/L	0.05	0.20	SYSTEA+351	09/04/2022 14:11	EO/MV

Submission Number: 22081375
Sample Number: 003
Sample Description: WQL #3
Sample Date: 08/22/2022
Sample Time: 09:45
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	09/11/2022 18:01	MV
TOTAL KJELDAHL NITROGEN	0.809	MG/L	0.05	0.20	351.2	09/01/2022 16:28	EO
ORTHO PHOSPHORUS AS P	0.017	MG/L	0.002	0.008	365.3	08/23/2022 17:50	YQ
TOTAL PHOSPHORUS AS P	0.020 I	MG/L	0.008	0.032	365.3	08/29/2022 13:43	YQ
CHLOROPHYLL A	9.16	MG/M3	0.25	1.00	445.0	09/19/2022 13:10	CH
TOTAL SUSPENDED SOLIDS	1.67 I	MG/L	0.570	2.280	SM2540D	08/24/2022 10:55	TG
BIOCHEMICAL OXYGEN DEMAND	1.0 U	MG/L	1.0	4.0	SM5210B	08/23/2022 14:37	LD/LD
NITRATE+NITRITE AS N	0.173	MG/L	0.006	0.024	SYSTEA EASY	09/03/2022 16:50	MV
TOTAL NITROGEN	0.982	MG/L	0.05	0.20	SYSTEA+351	09/03/2022 16:50	EO/MV

Submission Number: 22081375
Sample Number: 004
Sample Description: WQL #4
Sample Date: 08/22/2022
Sample Time: 09:00
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.071	MG/L	0.008	0.032	350.1	09/08/2022 12:12	EO
TOTAL KJELDAHL NITROGEN	0.784	MG/L	0.05	0.20	351.2	09/01/2022 16:30	EO
ORTHO PHOSPHORUS AS P	0.016	MG/L	0.002	0.008	365.3	08/23/2022 17:50	YQ
TOTAL PHOSPHORUS AS P	0.017 I	MG/L	0.008	0.032	365.3	08/29/2022 13:44	YQ
CHLOROPHYLL A	14.2	MG/M3	0.25	1.00	445.0	09/19/2022 13:10	CH
TOTAL SUSPENDED SOLIDS	0.570 U	MG/L	0.570	2.280	SM2540D	08/24/2022 10:55	TG
BIOCHEMICAL OXYGEN DEMAND	1.0 U	MG/L	1.0	4.0	SM5210B	08/23/2022 14:37	LD/LD
NITRATE+NITRITE AS N	0.185	MG/L	0.006	0.024	SYSTEA EASY	09/04/2022 14:00	MV
TOTAL NITROGEN	0.969	MG/L	0.05	0.20	SYSTEA+351	09/04/2022 14:00	EO/MV

Submission Number: 22081375
Sample Number: 005
Sample Description: WQL #5
Sample Date: 08/22/2022
Sample Time: 10:55
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	09/11/2022 18:13	MV
TOTAL KJELDAHL NITROGEN	0.883	MG/L	0.05	0.20	351.2	09/01/2022 16:31	EO
ORTHO PHOSPHORUS AS P	0.016	MG/L	0.002	0.008	365.3	08/23/2022 17:50	YQ
TOTAL PHOSPHORUS AS P	0.024 I	MG/L	0.008	0.032	365.3	08/29/2022 13:45	YQ
CHLOROPHYLL A	21.7	MG/M3	0.25	1.00	445.0	09/19/2022 13:10	CH
TOTAL SUSPENDED SOLIDS	2.00 I	MG/L	0.570	2.280	SM2540D	08/24/2022 10:55	TG
BIOCHEMICAL OXYGEN DEMAND	1.22	MG/L	1.0	4.0	SM5210B	08/23/2022 14:37	LD/LD

NITRATE+NITRITE AS N	0.177	MG/L	0.006	0.024	SYSTEA EASY	09/03/2022 17:00	MV
TOTAL NITROGEN	1.06	MG/L	0.05	0.20	SYSTEA+351	09/03/2022 17:00	EO/MV

Submission Number: 22081375 **Sample Date:** 08/22/2022
Sample Number: 006 **Sample Time:** 09:40
Sample Description: WQL #6 **Sample Method:** Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	09/07/2022 14:57	MV
TOTAL KJELDAHL NITROGEN	0.539	MG/L	0.05	0.20	351.2	09/01/2022 16:38	EO
ORTHO PHOSPHORUS AS P	0.014	MG/L	0.002	0.008	365.3	08/23/2022 17:50	YQ
TOTAL PHOSPHORUS AS P	0.015 I	MG/L	0.008	0.032	365.3	08/29/2022 13:46	YQ
CHLOROPHYLL A	8.56	MG/M3	0.26	1.00	445.0	09/19/2022 13:10	CH
TOTAL SUSPENDED SOLIDS	2.40	MG/L	0.570	2.280	SM2540D	08/24/2022 10:55	TG
BIOCHEMICAL OXYGEN DEMAND	1.0 U	MG/L	1.0	4.0	SM5210B	08/23/2022 14:37	LD/LD
NITRATE+NITRITE AS N	0.006 U	MG/L	0.006	0.024	SYSTEA EASY	09/04/2022 12:29	MV
TOTAL NITROGEN	0.539	MG/L	0.05	0.20	SYSTEA+351	09/04/2022 12:29	EO/MV

Haley Rin 09/24/2022

Dale D. Dixon / Laboratory Director — Date

Tilay Tanrisever - Technical Director/QC Officer

Haley Richardson - QA 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 lab filtered at E65066 on 08/23/22 at 0827.

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: ~~Andrew.Wyatt@ghd.com~~ & Connor Haydon (Connor.Haydon@ghd.com)
2020 PO# 34043123 Isern.Lebianc@ghd.com

Kit Shipped to client via UPS Standard in 1 large cooler

Chain of Custody Form: ~~Florida CDD WQM~~ Miramar lakes
Project Number: 11225022-~~00~~ 04

Profile: 840, QC Report

Laboratory Submission #: J208375

Station ID	Sample Type[1]	Sample Matrix[2]	Parameters. Preservative[4]. Container Type[3] / Total # of Containers = 25					Laboratory Submission #
			Unique bottle ID 1A	Unique bottle ID 1B	Unique bottle ID 1C	Unique bottle ID 1D	Unique bottle ID 1E	
			NO_3-NO_2 (353.2) TKN (351.2) NH_3 (350.1) TP (365.3) T-N (Calc.)	BOD5 (SM5210B)	Ortho-Phos (Lab Filtered) (365.3)	TSS (SM2540D)	Chlorophyll a (445.0) Filtered @ BEAS 8/23/22 0827	
			1.1mL 1:4 H_2SO_4 pH<2 ☐ Lot # 22-02	Plain	Plain	Plain	Plain	
			1 x ½ Pint Plastic	1 x 1 Quart Plastic	1 x ½ Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	
WQ Location # 1	Grab	SW	Date/Time: 8/22/22 1010					1
WQ Location # 2	Grab	SW	Date/Time: 1000					2
WQ Location # 3	Grab	SW	Date/Time: 945					3
WQ Location # 4	Grab	SW	Date/Time: 900					4
WQ Location # 5	Grab	SW	Date/Time: 1055					5
WQ Location #6					940			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. Samples 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: 1.2°C
BEAS temp 1.6°C

1	Collector & Affiliation: (Print & Sign)	Date: 8.22.22	Time: 1250	Received By & Affiliation: (Print & Sign) Brooke Kwatenick BEAS	Date: 8/22/22	Time: 1250
2	Relinquished By & Affiliation: (Print & Sign) Brooke Kwatenick BEAS	Date: 8/23/22	Time: 1140	Received By & Affiliation: (Print & Sign)	Date: 8/23/22	Time: 1140
3	Relinquished By & Affiliation: (Print & Sign)	Date: 8/23/22	Time: 1357	Received By & Affiliation: (Print & Sign) Nathan Hadsell	Date: 8-23-22	Time: 1357
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: 22081375

Project Name: MIROMAR LAKES WQM QTLY

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
22080644 - 001	656085	350.1	AMMONIA NITROGEN	09/07/2022 12:33	LR		134.000	130.000	2.07		
		350.1	AMMONIA NITROGEN	09/11/2022 20:10	MB	0.00	0.000				
22081626 - 003	657900	350.1	AMMONIA NITROGEN	09/11/2022 19:48	SPK	1.00	0.965			1.040	108.0
		350.1	AMMONIA NITROGEN	09/07/2022 11:47	STD	1.00	0.979				97.9
22081292 - 003	657333	351.2	TOTAL KJELDAHL NITROGEN	09/01/2022 16:55	LR		19.800	19.000	3.13		
		351.2	TOTAL KJELDAHL NITROGEN	09/01/2022 11:40	MB	0.00	0.000				
22081486 - 001	657663	351.2	TOTAL KJELDAHL NITROGEN	09/01/2022 17:28	SPK	2.00	2.680			2.480	90.0
		351.2	TOTAL KJELDAHL NITROGEN	09/01/2022 11:43	STD	2.50	2.380				95.0
		351.2	TOTAL KJELDAHL NITROGEN	09/01/2022 11:45	STD	2.00	1.940				97.1
22070942 - 004		365.3	ORTHOPHOSPHORUS	08/26/2022 09:56	LR		0.148	0.151	1.47		
		365.3	ORTHOPHOSPHORUS	08/26/2022 11:33	MB	0.00	0.000				
22081497 - 002		365.3	ORTHOPHOSPHORUS	08/26/2022 17:31	SPK	0.20	0.006			0.193	93.5
		365.3	ORTHOPHOSPHORUS	08/26/2022 17:26	STD	0.20	0.181				
22081451 - 001	657615	365.3	TOTAL PHOSPHORUS AS P	08/29/2022 14:31	LR		8.180	7.940	2.10		
		365.3	TOTAL PHOSPHORUS AS P	08/29/2022 11:03	MB	0.00	0.000				
22081141 - 001	656999	365.3	TOTAL PHOSPHORUS AS P	08/29/2022 14:20	SPK	0.20	0.204			0.207	101.0
		365.3	TOTAL PHOSPHORUS AS P	08/29/2022 12:33	STD	0.20	0.193				96.5
22081557 - 001	657781	445.0	CHLOROPHYLL A	09/19/2022 13:10	LR		4.792	4.550	3.72		
22081298 - 001	657342	SM2540D	TOTAL SUSPENDED SOLIDS	08/24/2022 10:55	LR		488.000	444.000	6.68		
		SM2540D	TOTAL SUSPENDED SOLIDS	08/24/2022 10:55	MB	0.00	0.000				
		SM2540D	TOTAL SUSPENDED SOLIDS	08/24/2022 10:55	STD	951.00	1028.000				108.1
22081287 - 001	657319	SM5210B	BIOCHEMICAL OXYGEN DEMAND	08/23/2022 14:37	LR		0.601	0.611	1.17		
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	08/23/2022 14:37	MB	0.00					
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	08/23/2022 14:37	STD	198.00	186.050				94.0
22081551 - 001	657766	SYSTEA EASY	NITRATE+NITRITE AS N	09/04/2022 16:25	LR		0.181	0.178	0.95		

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
		SYSTEA EASY	NITRATE+NITRITE AS N	09/03/2022 11:17	MB	0.00	0.000				
		SYSTEA EASY	NITRATE+NITRITE AS N	09/03/2022 12:11	PQL	0.01	0.011				110.0
22081375 - 001	657463	SYSTEA EASY	NITRATE+NITRITE AS N	09/04/2022 12:11	SPK	0.20	0.199			0.188	94.5
		SYSTEA EASY	NITRATE+NITRITE AS N	09/03/2022 14:25	STD	0.25	0.242				96.8

Comments:

SURFACE WATER FIELD SHEET
Station Information

STATION ID:	WQ Location #1
LOCATION:	under bridge
DATE/TIME:	8/22/22 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: 5.0 (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#** **Field Measurements Read By:** (initials)

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	8.64	6.12	83.1	31.5	295	2.93
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: NA

Samples immediately placed on ice? (Yes) / No

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

PERSONNEL ON SITE: Connor Hayden, Bill McKinney, Josh Lebrane

REMARKS: Sample collected under bridge

SURFACE WATER FIELD SHEET
Station Information

STATION ID: WQ Location 2

LOCATION: corner of turn adjacent to buoy

DATE/TIME: 8/22/22 1000

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: 6.0 (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#** **Field Measurements Read By:** (initials)

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1000	1.5	8.56	7.63	99.2	31.6	293	2.90
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: NA

Samples immediately placed on ice? (Yes) No

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

PERSONNEL ON SITE: Connor Hayden, Bill McKinney, Justin Leblanc

REMARKS: Sample collected @ corner of bend in canal

SURFACE WATER FIELD SHEET
Station Information

STATION ID: WQ Location #3

LOCATION: adjacent to weir/grate

DATE/TIME: 8/22/22 945

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: 3.33 (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#** — **Field Measurements Read By:** (initials)

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
945	1.5	8.57	6.88	93.2	31.3	296	2.11
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: NA

Samples immediately placed on ice? (Yes) No

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

PERSONNEL ON SITE: Connor Hayden, Bin McKinney, Justin Leblanc

REMARKS: Sample collected adjacent to metal grate

SURFACE WATER FIELD SHEET
Station Information

STATION ID: WQ Location #4

LOCATION: 8/22/22 900

DATE/TIME: adjacent to buoy

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: ~~6.0~~ 6.0 (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#** — **Field Measurements Read By:** (initials)

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
900	1.5	8.76	~~3.76~~ 2.06	~~40~~ 92.6	31.9	293	2.07
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: NA

Samples immediately placed on ice? (Yes) No

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

PERSONNEL ON SITE: Connor Haydon, Bin McKinney, Justin Leblanc

REMARKS: sample collected adjacent to buoy.

SURFACE WATER FIELD SHEET
Station Information

STATION ID:	WQ Location #5
LOCATION:	upstream of weir
DATE/TIME:	8/22/22 1055
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: 2.5 (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#** **Field Measurements Read By:** (initials)

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
1055		8.41	6.31	85.1	32.2	397.6	2.30
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: NA

Samples immediately placed on ice? (Yes) No

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

PERSONNEL ON SITE: Connor Haydon, Justin LeBlanc

REMARKS: Water about 6 inches above weir

SURFACE WATER FIELD SHEET
Station Information

STATION ID:	WQ Location #1
LOCATION:	adjacent to buoy
DATE/TIME:	8/22/22 940
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: 5.5 (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#** — **Field Measurements Read By:** (initials)

Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
940	1.5	8.76	7.52	99.8	31.4	294	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: NA

Samples immediately placed on ice? (Yes) / No

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

PERSONNEL ON SITE: Connor Haydon, Bill McKinney Justin LeBlanc

REMARKS: sample collected adjacent to buoy in middle of canal

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

Miromar Lakes CDD

Date: December 1, 2022

To: James P. Ward- District Manager

From: Bruce Bernard - Field Asset Manager

Subject: CDD Monthly Report –November 2022, Report

CGA P.N.: 13-5692

Lake Maintenance

Solitude continues its monitoring of the existing and new wetland plants within Lake 5/6 north for any consequences from the remaining carp on these plantings. CDD staff has a quote from Solitude to plant 86,000 wetland plants within Lake 5/6 north and Lake 5/6 south to begin process of installing fish havens within the lakes. CDD staff is obtaining additional quotes from wetland aquatic vendors for this project. Installation will be slated for April of 2023.

Solitude continues to do treatments for midgeflys from Bellini to Navona along residential properties. These treatments will be ongoing till March 2023 every two weeks.

Wild Things and Scott's Animal Service continue toad larvae and cane toad skimming and removal in and around the lakes. Both contractors are within the community several times each week working on a schedule of the subdivisions to check each week.

Stormwater Management

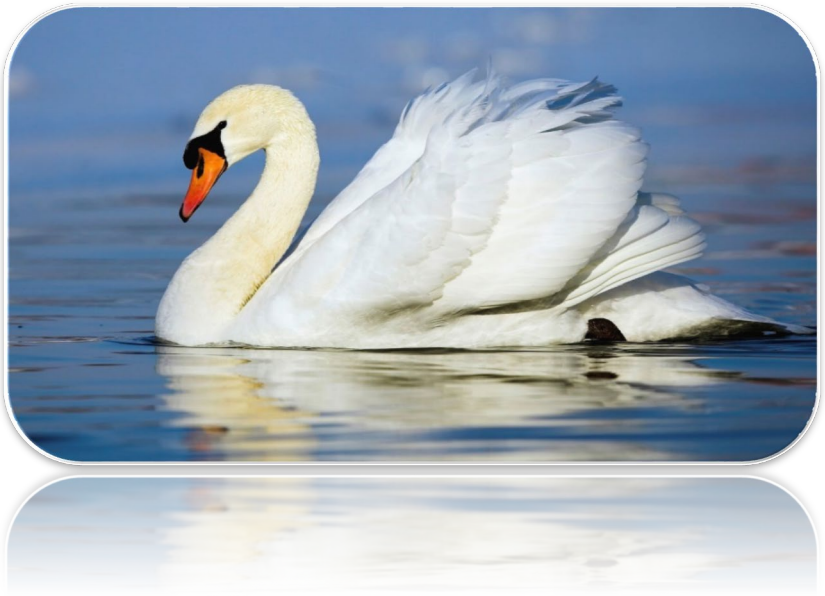
CDD stormwater vendor (MRI) has been given the locations for this year's drainage system video taping of existing drainage piping and structures. Contractor provided CDD staff with proposal that was accepted by CDD staff and contractor has scheduled this work to begin at end of month.

Dragonfly Services will be working in locations at Bellini and Isola Bella that needed rip-rap- repair work due to Hurricane Ian. This work will take three days to complete.

1800 Eller Drive
Suite 600
Fort Lauderdale, FL
33316
954.921.7781 phone
954.921.8807 fax

www.cgasolutions.com

MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT



FINANCIAL STATEMENTS - NOVEMBER 2022

FISCAL YEAR 2023

PREPARED BY:

JPWARD & ASSOCIATES, LLC, 2301 NORTHEAST 37TH STREET, FORT LAUDERDALE, FL 33308

T: 954-658-4900 **E:** JimWard@JPWardAssociates.com

Miromar Lakes Community Development District

Table of Contents

JPWard & Associates, LLC
2301 NORTHEAST 37 STREET
FORT LAUDERDALE,
FLORIDA 33308

Miromar Lakes Community Development District
Balance Sheet
for the Period Ending November 30, 2022

	Governmental Funds					Account Groups		Totals (Memorandum Only)
		Debt Service Funds			Capital Projects Fund			
	General Fund	Series 2012	Series 2015	Series 2022	Series 2022	General Long Term Debt	General Fixed Assets	
Assets								
Cash and Investments								
General Fund - Invested Cash	$ 756,521	$ -	$ -	$ -	$ -	$ -	$ -	$ 756,521
Debt Service Fund								
Interest Account	-	-	-	4	-	-	-	4
Sinking Account	-	-	-		-	-	-	-
Reserve Account	-	-	455,544	-	-	-	-	455,544
Revenue	-	-	272,061	42,328	-	-	-	314,389
Prepayment Account	-	-	0	-	-	-	-	0
Escrow Fund Account		-		-				-
Construction								-
Cost of Issuance					-			-
Due from Other Funds								
General Fund	-	-	33,001	52,017	-	-	-	85,019
Debt Service Fund(s)			-	-	-	-	-	-
Market Valuation Adjustments	-					-	-	-
Accrued Interest Receivable	-	-	-	-	-	-	-	-
Assessments Receivable	-	-	-	-	-	-	-	-
Accounts Receivable	-	-	-	-	-	-	-	-
Amount Available in Debt Service Funds	-	-	-	-	-	854,956	-	854,956
Amount to be Provided by Debt Service Funds	-	-	-	-	-	14,750,044	-	14,750,044
Investment in General Fixed Assets (net of depreciation)	-	-	-	-	-	-	36,514,917	36,514,917
Total Assets	**$ 756,521**	**$ -**	**$ 760,607**	**$ 94,349**	**$ -**	**$ 15,605,000**	**$ 36,514,917**	**$ 53,731,393**

Miromar Lakes Community Development District
Balance Sheet
for the Period Ending November 30, 2022

	Governmental Funds					Account Groups		Totals (Memorandum Only)
		Debt Service Funds			Capital Projects Fund			
	General Fund	Series 2012	Series 2015	Series 2022	Series 2022	General Long Term Debt	General Fixed Assets	
Liabilities								
Accounts Payable & Payroll Liabilities	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Due to Other Funds								-
General Fund		-	-	-	-	-	-	-
Debt Service Fund(s)	85,019	-	-	-	-	-	-	85,019
Other Developer	-	-						-
Bonds Payable	-							-
Current Portion - Series 2012	-	-	-	-	-	0	-	-
Current Portion - Series 2015	-	-	-	-	-	0	-	-
Current Portion - Series 2022						0		
Long Term - Series 2012						0		
Long Term - Series 2015	-	-	-	-	-	8,645,000	-	8,645,000
Long Term - Series 2022	-	-	-	-	-	6,960,000	-	6,960,000
Total Liabilities	**$ 85,019**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 15,605,000**	**$ -**	**$ 15,690,019**
Fund Equity and Other Credits								
Investment in General Fixed Assets	-					-	36,514,917	36,514,917
Fund Balance								
Restricted								
Beginning: October 1, 2021 (Unaudited)	-	690,801	970,579	181,497	-	-	-	1,842,877
Results from Current Operations	-	(690,801)	(209,972)	(87,148)	-	-	-	(987,921)
Unassigned								
Beginning: October 1, 2021 (Unaudited)	633,111					-	-	-
Allocation of Fund Balance								
Reserve for Water Management System	105,000							105,000
Reserve for Disaster Relief Reserve	95,000							95,000
Results from Prior Year Operations	433,111					-	-	433,111
Results of Current Operations	38,391							38,391
Total Fund Equity and Other Credits	**$ 671,502**	**$ -**	**$ 760,607**	**$ 94,349**	**$ -**	**$ -**	**$ 36,514,917**	**$ 38,041,375**
Total Liabilities, Fund Equity and Other Credits	**$ 756,521**	**$ -**	**$ 760,607**	**$ 94,349**	**$ -**	**$ 15,605,000**	**$ 36,514,917**	**$ 53,731,393**

Miromar Lakes Community Development District
General Fund
Statement of Revenues, Expenditures and Changes in Fund Balance
Through November 30, 2022

Description	October	November	Year to Date	Total Annual Budget	% of Budget
Revenue and Other Sources					
Carryforward	$ -	$ -	-	-	N/A
Interest					
Interest - General Checking	0	-	0	75	0%
Special Assessment Revenue					
Special Assessments - On-Roll	235	24,824	25,059	780,487	3%
Special Assessments - Off-Roll	45,077	-	45,077	180,306	25%
Miscellaneous Revenue	-	-	-	-	N/A
Easement Encroachments	-	-	-	-	N/A
Intragovernmental Transfer In	-	-	-	-	N/A
Total Revenue and Other Sources:	**$ 45,312**	**$ 24,824**	**70,136**	**$ 960,868**	**7%**
Expenditures and Other Uses					
Legislative					
Board of Supervisor's - Fees	1,000	-	1,000	12,000	8%
Board of Supervisor's - Taxes	77	-	77	918	8%
Executive					
Professional Management	3,500	3,500	7,000	42,000	17%
Financial and Administrative					
Audit Services	-	-	-	4,100	0%
Accounting Services	-	-	-	-	N/A
Assessment Roll Services	-	-	-	18,000	0%
Arbitrage	-	-	-	1,500	0%
Bond Re-amortization	-	-	-	-	N/A
Other Contractual Services					
Legal Advertising	-	-	-	1,200	0%
Trustee Services	-	-	-	9,300	0%
Dissemination	-	-	-	-	N/A
Bond Amortization Schedules	-	-	-	-	N/A
Property Appraiser/Tax Collector Fees	-	-	-	1,300	0%
Bank Services	21	21	42	500	8%
Travel and Per Diem	-	-	-	-	N/A

Miromar Lakes Community Development District
General Fund
Statement of Revenues, Expenditures and Changes in Fund Balance
Through November 30, 2022

Description	October	November	Year to Date	Total Annual Budget	% of Budget
Communications & Freight Services					
Postage, Freight & Messenger	63	75	138	800	17%
Insurance	-	7,726	7,726	7,300	106%
Printing & Binding	-	-	-	2,700	0%
Website Maintenance	-	-	-	1,200	0%
Office Supplies	-	-	-	-	N/A
Subscription & Memberships	-	175	175	175	100%
Legal Services					
Legal - General Counsel	-	-	-	18,000	0%
Legal - Encroachments	-	-	-	-	N/A
Other General Government Services					
Engineering Services - General Services	-	-	-	5,000	0%
Asset Maps/Cost Estimates	-	-	-	2,500	0%
Asset Administrative Services	-	833	833	10,000	8%
Reserve Analysis	-	-	-	-	N/A
Encroachment Agreements	-	-	-	-	N/A
Contingencies	-	-	-	-	N/A
Sub-Total:	**4,660**	**12,331**	**16,991**	**138,493**	**12%**
Stormwater Management Services					
Professional Services					
Asset Management	-	2,983	2,983	35,800	8%
NPDES	-	1,379	1,379	3,500	39%
Mitigation Monitoring	-	-	-	-	N/A
Utility Services					
Electric - Aeration Systems	565	183	747	4,800	16%
Repairs & Maintenance					
Lake System					
Aquatic Weed Control	-	4,895	4,895	74,000	7%
Lake Bank Maintenance	-	-	-	2,000	0%
Water Quality Testing	-	-	-	14,500	0%
Water Control Structures	-	500	500	25,000	2%
Grass Carp Installation	-	-	-	-	N/A

Miromar Lakes Community Development District
General Fund
Statement of Revenues, Expenditures and Changes in Fund Balance
Through November 30, 2022

Description	October	November	Year to Date	Total Annual Budget	% of Budget
Litoral Shelf Barrier/Replanting	-	-	-	-	N/A
Cane Toad Removal	-	-	-	36,000	0%
Midge Fly Control	-	3,500	3,500	24,000	15%
Aeration System	-	-	-	8,000	0%
Fish Re-Stocking	-	-	-	100,000	0%
Wetland System					
Routine Maintenance	-	-	-	46,200	0%
Water Quality Testing	-	-	-	-	N/A
Capital Outlay					
Aeration Systems	-	-	-	12,000	0%
Littortal Shelf Replanting/Barrier	-	-	-	6,000	0%
Lake Bank Restoration	-	-	-	59,000	0%
Turbidity Screens	-	-	-	-	N/A
Erosion Restoration	-	600	600	-	N/A
Video Stormwater Pipes/Repairs	-	150	150	55,000	0%
Contingencies	-	-	-	108,000	0%
Sub-Total:	**565**	**14,189**	**14,754**	**613,800**	**2%**
Other Current Charges					
Hendry County - Panther Habitat Taxes	-	-	-	500	0%
Reserves for General Fund					
Water Management System	-	-	-	105,000	0%
Disaster Relief Reserve	-	-	-	95,000	0%
Sub-Total:	**-**	**-**	**-**	**200,500**	**0%**
Total Expenditures and Other Uses:	**$ 5,225**	**$ 26,520**	**$ 31,745**	**$ 952,793**	**3%**
Net Increase/ (Decrease) in Fund Balance	40,087	(1,696)	38,391	8,075	
Fund Balance - Beginning	633,111	673,198	633,111	633,111	
Fund Balance - Ending	**$ 673,198**	**$ 671,502**	**671,502**	**$ 641,186**	

Miromar Lakes Community Development District
Debt Service Fund - Series 2015 Bonds
Statement of Revenues, Expenditures and Changes in Fund Balance
Through November 30, 2022

Description	October	November	Year to Date	Total Annual Budget	% of Budget
Revenue and Other Sources					
Carryforward	$ -	$ -	-	$ -	N/A
Interest Income					
Reserve Account	744	988	1,732	12,000	14%
Interest Account	-	-	-	-	N/A
Sinking Fund Account	-	-	-	-	N/A
Prepayment Account	15	26	41	-	N/A
Revenue Account	798	1,065	1,863	20	9316%
Special Assessment Revenue					
Special Assessments - On-Roll	164	17,352	17,516	545,565	3%
Special Assessments - Off-Roll	-	-	-	349,809	0%
Special Assessments - Prepayments	-	-	-	-	N/A
Net Inc (Dec) Fair Value Investments	-	-	-	-	N/A
Operating Transfers In (From Other Funds)	-	-	-	-	N/A
Bond Proceeds	-	-	-	-	N/A
Total Revenue and Other Sources:	**$ 1,722**	**$ 19,430**	**$ 21,153**	**$ 907,394**	N/A
Expenditures and Other Uses					
Debt Service					
Principal Debt Service - Mandatory					
Series 2015 Bonds	-	-	-	$ 485,000	0%
Principal Debt Service - Early Redemptions					
Series 2015 Bonds	-	15,000	15,000	-	N/A
Interest Expense					
Series 2015 Bonds	-	216,125	216,125	432,250	50%
Original Issue Discount	-	-	-	-	N/A
Operating Transfers Out (To Other Funds)	-	-	-	-	N/A
Total Expenditures and Other Uses:	**$ -**	**$ 231,125**	**231,125**	**$ 917,250**	N/A
Net Increase/ (Decrease) in Fund Balance	1,722	(211,695)	(209,972)	(9,856)	
Fund Balance - Beginning	970,579	972,302	970,579	-	
Fund Balance - Ending	**$ 972,302**	**$ 760,607**	**760,607**	**$ (9,856)**	

Miromar Lakes Community Development District
Debt Service Fund - Series 2022 Bonds
Statement of Revenues, Expenditures and Changes in Fund Balance
Through November 30, 2022

Description	October	November	Year to Date	Total Annual Budget	% of Budget
Revenue and Other Sources					
Carryforward	$ -	$ -	-	$ -	N/A
Interest Income					
Reserve Account	-	-	-	-	N/A
Interest Account	0	0	1	-	N/A
Sinking Fund Account	-	-	-	-	N/A
Prepayment Account	-	-	-	-	N/A
Revenue Account	0	0	0	-	N/A
Escrow Fund Account	-	-	-	-	N/A
Special Assessment Revenue					
Special Assessments - On-Roll	241	25,446	25,687	799,855	3%
Special Assessments - Off-Roll	-	-	-	-	N/A
Special Assessments - Prepayments	-	-	-	-	N/A
Net Inc (Dec) Fair Value Investments	-	-	-	-	N/A
Operating Transfers In (From Other Funds)	-	-	-	-	N/A
Total Revenue and Other Sources:	**$ 242**	**$ 25,447**	**$ 25,688**	**$ 799,855**	N/A
Expenditures and Other Uses					
Debt Service					
Principal Debt Service - Mandatory					
Series 2022 Bonds	-	-	-	$ 620,000	N/A
Principal Debt Service - Early Redemptions					
Series 2022 Bonds	-	-	-	-	N/A
Interest Expense					
Series 2022 Bonds	-	112,836	112,836	203,508	N/A
Original Issue Discount	-	-	-	-	N/A
Operating Transfers Out (To Other Funds)	-	-	-	-	N/A
Total Expenditures and Other Uses:	**$ -**	**$ 112,836**	**112,836**	**$ 823,508**	N/A
Net Increase/ (Decrease) in Fund Balance	242	(87,389)	(87,148)	(23,653)	
Fund Balance - Beginning	181,497	181,738	181,497	-	
Fund Balance - Ending	**$ 181,738**	**$ 94,349**	**94,349**	**$ (23,653)**	