

# MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

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## AGENDA

MAY 11, 2023

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PREPARED BY:

JPWARD & ASSOCIATES, LLC, 2301 NORTHEAST 37<sup>TH</sup> STREET, FORT LAUDERDALE, FL 33308

T: 954-658-4900 E: [JimWard@JPWardAssociates.com](mailto:JimWard@JPWardAssociates.com)

# MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

May 4, 2023

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, May 11, 2023**, 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/j.php?MTID=m55b3887783658b37eea5f57e4673b276>

Access Code: **2332 575 5193**, Event Password: **Jpward**

Phone: **408-418-9388** and enter the access code **2332 575 5193**, password: **Jpward (579274** from phones) to join the meeting.

## *Agenda*

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1. Call to Order & Roll Call.
2. Consideration of Minutes:
  - I. April 13, 2023 – Regular Meeting.
3. Consideration of **Resolution 2023-1**, a resolution of the Board of Supervisors of the Miromar Lakes Community Development District approving the Proposed Budget for Fiscal Year 2024 and Setting a Public Hearing for **Thursday, July 13, 2023**, at **2:00 P.M.** at the **Beach Clubhouse, 18061 Miromar Lakes Parkway, Miromar Lakes, Florida 33913.**
4. Staff Reports.
  - I. District Attorney.
  - II. District Engineer.
  - III. District Asset Manager.
    - a. Operations Report – May 1, 2023.
    - b. Landscape Buffer-Estimated Replacement Costs.
    - c. Water Management System - Inspection Report – Dated April 19, 2023.
    - d. Water Management System – Water Quality Report Dated April 28, 2023.
  - IV. District Manager
    - a) Supervisor of Elections Qualified Elector Report Dated April 15, 2023.

b) **Board Meeting Dates for Balance of Fiscal Year 2023.**

1. **June 8, 2023**, meeting moved to **June 5, 2023, at 2:00 P.M.**
2. Public Hearings: Fiscal Year 2024 Budget Adoption – **July 13, 2023, at 2:00 P.M.**

c) Financial Statements for period ending April 30, 2023 (unaudited).

5. Supervisor’s Requests and Audience Comments.

6. Announcement of Next Meeting – June 5, 2023.

7. Adjournment.

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

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The second order of business is the consideration of the Minutes from the Miromar Lakes Community Development District Board of supervisors Regular Meeting, held on April 13, 2023.

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The third order of business is approval of the Proposed Fiscal Year 2024 Budget for the purpose of setting the Public Hearing.

The approval of the budget is only intended to permit the District to move through the process towards adopting the budget at a Public Hearing at a meeting of the Board of Supervisors.

The approval of the Budget does not bind the Board to any of the costs contained in the budget, any of the programs contained in the Budget and most importantly it does not bind the Board to any of the Assessment Rates contemplated because of the preparation of the Budget. It does however set the maximum assessment rate for the general fund.

**Resolution 2023-1** is a resolution of the Board of Supervisors based on the District’s enabling legislation, which requires the District Manager to submit a Proposed Budget to the Board of Supervisors by June 15th of each year for your review and approval.

The budget hearing is scheduled for **Thursday, July 13, 2023, at 2:00 P.M.** at the **Beach Clubhouse, 18061 Miromar Lakes Parkway, Miromar Lakes, Florida 33913.**

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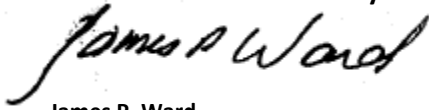
The fourth order of business are staff reports by the District Attorney, District Engineer, and District Asset Manager, including the Operations Report, dated May 1, 2023, and the Waterway Inspection Report Dated April 19, 2023. The District Manager will review financial Statements for the period ending April 30, 2023 (unaudited).

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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  
District Manager

**The Fiscal Year 2023 schedule is as follows:**

<b>April 13, 2023</b>	<b>May 11, 2023</b>
<b>June 5, 2023</b>	<b>July 13, 2023 – Public Hearing</b>
<b>August 10, 2023</b>	<b>September 14, 2023</b>

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**MINUTES OF MEETING  
MIROMAR LAKES  
COMMUNITY DEVELOPMENT DISTRICT**

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The Regular Meeting of the Board of Supervisors of the Miromar Lakes Community Development District was held on Thursday, April 13, 2023, at 2:00 P.M. in the Library at the Beach Clubhouse, 18061 Miromar Lakes Parkway, Miromar Lakes, Florida 33913.

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**Present and constituting a quorum:**

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

23  
24  
25  
26  
27  
28  
29  
30  
31

**Also present were:**

James P. Ward	District Manager
Greg Urbancic	District Attorney
Charlie Krebs	District Engineer
Bruce Bernard	Asset Manager

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33  
34  
35  
36  
37  
38  
39  
40  
41

**Audience:**

Heather Chapman	Master HOA
David Negip	

42  
43  
44  
45

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**

**March 9, 2023 – Regular Meeting Minutes**

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

Discussion ensued regarding a blank in the minutes and who was speaking when.

46 **On MOTION made by Mary LeFevre, seconded by Mike Weber, and**  
47 **with all in favor, the March 9, 2023, Regular Meeting Minutes were**  
48 **approved as amended.**

49  
50  
51 **THIRD ORDER OF BUSINESS**

**Consideration of Resolution 2023-1**

52  
53 **Consideration of Resolution 2023-1, a resolution of the Board of Supervisors of the Miromar Lakes**  
54 **Community Development District approving the Proposed Budget for Fiscal Year 2024 and Setting a**  
55 **Public Hearing for Thursday, July 13, 2023, at 2:00 P.M. at the Beach Clubhouse, 18061 Miromar Lakes**  
56 **Parkway, Miromar Lakes, Florida 33913 on the Proposed Budget**

57  
58 **I. Detention Area Plan**

59 **II. Erosion Rip-Rap Plan (Fiscal Year 2024 Capital Plan)**

60 **III. Fiscal Year 2024 Budget Discussion**  
61

62 Mr. Ward indicated this was the continued discussion of the Proposed Budget for Fiscal Year 2024.  
63 He noted the discussion left off at the three detention basins in Miromar and the rip rap erosion. He  
64 stated Bruce Bernard put together a report regarding what the detention basins looked like, and  
65 locations, including photographs. He noted location one and location two were within a very large  
66 berm area and if this was what each normally looked like and the detention areas were typically  
67 unseen, he did not see a need to embark upon a detention improvement program for these two  
68 detention basins. He reported detention area 3, location 5, in Laguna, when he first saw it, it was  
69 dead and gone; however, now it looked pretty good, and he felt there was no need for any  
70 continued improvement. He noted the HOA had already taken some steps to make some  
71 improvements to the slopes and hedges of detention area 3. He suggested simply monitoring  
72 detention area 3 as well as continued maintenance.

73  
74 Discussion ensued regarding the detention areas, how the detention areas were typically  
75 maintained, and how the detention areas looked during dry season as opposed to during wet  
76 season.

77  
78 Mr. Ward noted the budget was prepared without funds for detention area improvements.

79  
80 The Board agreed the detention area looked much improved.

81  
82 Mr. Ward indicated a map was provided showing where the rip rap erosion was located and the  
83 priority of needed restorations. He indicated this was still in the budget and was what would be  
84 implemented in 2024 as a part of the program.

85  
86 Mr. Ballinger asked about the Ravenna permits.

87  
88 Mr. Charlie Krebs indicated he went through the permits and determined who was listed on the  
89 permits and he was going into these permits to see if the transfer documents were included. He  
90 noted some of the permits claimed the CDD was the owner and operator; however, the permit itself  
91 was never transferred, so, the CDD was the owner and operator of the overall system, and some of

92 them the CDD was listed as the primary, but the internal was listed as the Master Association, so he  
93 was still working to discover what the CDD had and what more needed to be transferred.

94

95 Mr. Ward asked if he was talking about internal drainage systems.

96

97 Mr. Krebs explained he was looking into every application which was applied for. He noted even  
98 early on there were some which Alico pulled and Miromar Lakes pulled very early, but the CDD did a  
99 large transfer in 2015/2016 and grabbed a whole group of these overall applications for the golf  
100 course, overall master water management system, etc. He indicated he had not looked at Ravenna  
101 yet, but he would have this information soon. He stated he had found nothing which said the CDD  
102 transferred it.

103

104 Mr. Ward noted there were three, Ravenna, St. Moritz, and Bella Vista.

105

106 Mr. Krebs stated San Marino also had not been transferred, but he was working with San Marino.  
107 He noted when the process was started years ago, it was understood Ravenna was not turned over.  
108 He explained at that time the CDD was working with Ravenna to turn it over, but there was  
109 something in the HOA documents which prevented the turnover.

110

111 Mr. Ward explained Ravenna required 100 percent consent of condominium owners to agree to the  
112 turnover, including the mortgage holders. He noted easements were offered to Ravenna, but  
113 Ravenna asked for the CDD to use its eminent domain powers to take the property, but this was not  
114 something the CDD was willing to do. He explained at this point Ravenna would never transfer over  
115 unless it wished to make the transfer in the form of an easement, but he believed the consent of the  
116 owners would still be needed to obtain the easements.

117

118 Mr. Greg Urbancic agreed.

119

120 Discussion continued regarding Ravenna; the poor condition of the Ravenna shoreline; Ravenna  
121 wishing to retain control of certain portions of the shoreline even if transferred over to the CDD; and  
122 the SFWMD not holding the CDD accountable for Ravenna's shoreline as the CDD was not the  
123 permittee for Ravenna.

124

125 Ms. LeFevre asked what the downside was of leaving Ravenna alone.

126

127 Mr. Ward stated the downside was there was a group of residents with a serious risk of damage to  
128 property as a result of this problem. He indicated he was sympathetic to this argument, and if the  
129 CDD could get the lakeshore transferred it should.

130

131 Mr. Refkin noted there was a period of at least six months where at every single CDD meeting  
132 Ravenna was discussed and the CDD did everything possible to get this transferred over to the CDD,  
133 but Ravenna was not willing or cooperative. He stated while he was sympathetic, the exacerbation  
134 of the situation was caused by Ravenna's failure to turn this over to the CDD.

135

136 Mr. Krebs explained the permit went with the land, and the landowner would be the permittee, or  
137 the HOA Board, not the CDD.

138

139 Mr. Ward stated he felt the CDD was safe in terms of the responsibilities of the permit for Ravenna.

140  
141 Discussion continued regarding the poor condition of Ravenna's shoreline, the lake bank erosion,  
142 and the rip rap; the difference between Ravenna's and Bellini's willingness to work with the CDD in  
143 terms of property transfer; and who the president of Ravenna's HOA was.

144  
145 Ms. Heather Chapman, of the Master HOA, indicated Ravenna's HOA Vice President contacted  
146 herself about the rip rap.

147  
148 Mr. Ward indicated Ms. Chapman was welcome to invite Ravenna's HOA Vice President to reach out  
149 to the CDD.

150  
151 Ms. LeFevre asked about the criteria used for determining whether rip rap was in need of repair or  
152 proactive maintenance.

153  
154 Mr. Bruce Bernard discussed what he looked for in terms of areas which needed rip rap, when repair  
155 was needed, when maintenance was needed, which areas needed more maintenance or repair than  
156 others, and how rip rap was repaired or maintained.

157  
158 Ms. LeFevre asked if any of the rip rap on Mr. Bernard's map was below the control line.

159  
160 Mr. Bernard responded in the affirmative.

161  
162 Ms. LeFevre noted the document indicated the CDD would not accept responsibility for  
163 maintenance of the rip rap if it were below control elevation.

164  
165 Mr. Ward stated he thought this had been amended, but he would double check and fix it if  
166 necessary.

167  
168 Mr. Bernard noted the money earmarked for the rip rap would not be spent until after hurricane  
169 season. He noted this was to ensure if there was damage during a hurricane, the CDD would have  
170 funds available to make necessary repairs, and if there were no hurricane damage then the funds  
171 would be spent on the rip rap program as shown.

172  
173 Mr. Ward stated he updated the budget; the assessment rate would stay the same, the capital  
174 reserves would change next year and the CDD would have roughly \$1,180,000 dollars in total  
175 reserves (this was less the cash needed for operating from October through December) making the  
176 CDD's total cash position \$1,477,000 dollars by September 30, 2024. He noted this Budget did not  
177 need to be approved until next month.

178  
179 The Board decided to wait until the next meeting for budget approval.

180  
181

182 **FOURTH ORDER OF BUSINESS** **Consideration of Letter of Termination**

183  
184 **Acceptance of Letter of Termination of Contract between AJC Associates, Inc., and Miromar Lakes**  
185 **Community Development District for preparing the District's annual Assessment Rolls.**

186



187 Mr. Ward indicated Items 4 and 5 were companion items. He explained Alice Carlson, whom he had  
188 known for 40 years, had decided to retire and she was submitting her six months’ notice for contract  
189 termination. He noted his firm, JPWard and Associates, did this work for all his other clients, so he  
190 added an amendment to his contract to take this responsibility over at the same scope and same rate as  
191 Ms. Carlson (fifth order of business). He asked if there were any questions; hearing none, he called for a  
192 motion.

193  
194 **On MOTION made by Mary LeFevre, seconded by Alan Refkin, and**  
195 **with all in favor, the Letter of Termination of Contract between AJC**  
196 **Associates, Inc., and Miromar Lakes Community Development District**  
197 **for preparing the District’s annual Assessment Rolls was accepted.**

198  
199  
200 **FIFTH ORDER OF BUSINESS**

**Consideration of Agreement Amendment**

201  
202 **Consideration of amending agreement with JP Ward and Associates, to include preparation of the**  
203 **Assessment Roll**

204  
205 Mr. Ward asked if there were any questions; hearing none, he stated if the Board wished to hire him for  
206 this responsibility it should make a motion.

207  
208 **On MOTION made by Alan Refkin, seconded by Mary LeFevre, and**  
209 **with all in favor, the agreement with JP Ward and Associates was**  
210 **amended to include preparation of the Assessment Roll.**

211  
212  
213 **SIXTH ORDER OF BUSINESS**

**Staff Reports**

214  
215 **I. District Attorney**

216  
217 No report.

218  
219 **II. District Engineer**

220  
221 No report.

222  
223 **III. Asset Manager**

224  
225 **a) Operations Report April 1, 2023**

226  
227 Mr. Bernard stated the wetland contractor began the wetland fishery planting installation and it  
228 would take approximately two weeks to complete the job. He noted 82,000 plants were being  
229 installed one by one.

230  
231 Discussion ensued regarding the method of planting; the half foot to two foot depth of planting;  
232 the types of plants being installed; and the low number of carp in the lake.  
233

234 Mr. Bernard stated next year more plants would be installed, along with an artificial reef, then  
235 electrofishing would be done to remove the large bass from the lake, and following this the little  
236 fish would be restocked. He noted this would be done over the next few years.

237  
238 Mr. Ballinger asked if the plant growth in the channel would be trimmed.

239  
240 Mr. Bernard responded in the negative.

241  
242 Mr. Ballinger stated he could not fish in the channel without getting his hook snagged on  
243 something green almost immediately.

244  
245 Mr. Bernard asked if the plants were visible above water.

246  
247 Mr. Ballinger responded in the affirmative. He stated he wondered if people were dumping  
248 clippings into the channel.

249  
250 Mr. Bernard indicated the CDD did not handle anything with the mowing around the channel.

251  
252 Ms. Chapman indicated no one had been able to mow since the hurricane. She noted access to  
253 this area was recently regained but if Mr. Ballinger saw something green and growing underwater,  
254 it was not lawn clippings.

255  
256 Mr. Bernard stated he and Mr. Beasley (Solitude) would take a look at the channel.

257  
258 Mr. Reidy asked about how grass nutrients were contained in terms of lake absorption.

259  
260 Ms. Chapman responded (indecipherable).

261  
262 Mr. Bernard reported on May 2, 2023 there would be an inspection by the County and State on  
263 the NDPDS report last year. He stated they would be checking CDD outfalls and the construction  
264 sites. He noted the outfalls all looked good, but the construction sites had work which needed to  
265 be done.

#### 266 267 **IV. District Manager**

268  
269 **a) Important Board Meeting Dates for Balance of Fiscal Year 2023:**

270 **1. June 8, 2023, meeting moved to June 5, 2023, at 2:00 P.M.**

271 **2. Public Hearings: Fiscal Year 2024 Budget Adoption – July 13, 2023, at 2:00 P.M**

272 **b) Financial Statements for period ending March 31, 2023 (unaudited)**

273  
274 No report.

275  
276

#### 277 **SEVENTH ORDER OF BUSINESS**

#### **Supervisor's Requests and Audience Comments**

278  
279 Mr. Ward asked if there were any Supervisor's Requests.

280  
281 Mr. Refkin asked if Mr. Weber still had a snail problem.



**RESOLUTION 2023-1**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT APPROVING A PROPOSED BUDGET FOR FISCAL YEAR 2024 AND SETTING A PUBLIC HEARING THEREON PURSUANT TO FLORIDA LAW; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICT AND PROVIDING FOR AN EFFECTIVE DATE.**

**RECITALS**

**WHEREAS**, the District Manager has heretofore prepared and submitted to the Board of Supervisors of Miromar Lakes Community Development District (the "Board") prior to June 15, 2023, a proposed Budget for Fiscal Year 2024; and

**WHEREAS**, the Board has considered the proposed Budget and desires to set the required public hearing thereon.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT:**

**SECTION 1.** That the foregoing whereas clauses are true and correct and incorporated herein as if written into this Section.

**SECTION 2.** The proposed Budget submitted by the District Manager for Fiscal Year 2024 and attached hereto as Exhibit A is hereby approved as the basis for conducting a public hearing to adopt said budget.

**SECTION 3.** A public hearing on said approved budget is hereby declared and set for the following date, hour and location:

**DATE:** Thursday, July 13, 2023  
**HOUR:** 2:00 P.M.  
**LOCATION:** Beach Clubhouse  
18061 Miromar Lakes Parkway  
Miromar Lakes, Florida 33913

**SECTION 4.** The District Manager is hereby directed to submit a copy of the proposed budget to Lee County at least sixty (60) days prior to the hearing set above. In accordance with Section 189.016, Florida Statutes, the District's Secretary is further directed to post the proposed budget on the District's website at least two days before the budget hearing date.

**SECTION 5.** Notice of this public hearing on the budget shall be published in a newspaper of general circulation in the area of the district once a week for two (2) consecutive weeks, except that the first publication shall not be fewer than 15 days prior to the date of the hearing. The notice shall further contain a designation of the day, time, and place of the public hearing. At the time and place designated in the notice, the Board shall hear all objections to the budget as proposed and may make such changes as the board deems necessary.

**RESOLUTION 2023-1**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT APPROVING A PROPOSED BUDGET FOR FISCAL YEAR 2024 AND SETTING A PUBLIC HEARING THEREON PURSUANT TO FLORIDA LAW; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICT AND PROVIDING FOR AN EFFECTIVE DATE.**

**SECTION 6.** If any one of the covenants, agreements or provisions herein contained shall be held contrary to any express provision of law or contract to the policy of express law, but not expressly prohibited or against public policy, or shall for any reason whatsoever be held invalid, then such covenants, agreements or provisions shall be null and void and shall be deemed separable from the remaining covenants, agreements or provisions and shall in no way effect the validity of the other provisions hereof.

**SECTION 7.** That all Sections or parts of Sections of any Resolutions, Agreements or actions of the Board of Supervisors in conflict are hereby repealed to the extent of such conflict.

**SECTION 8.** This Resolution shall take effect immediately upon adoption.

**PASSED AND ADOPTED** by the Board of Supervisors of the Miromar Lakes Community Development District, Lee County, Florida, this 11th day of May 2023.

**ATTEST:**

**BOARD OF SUPERVISORS OF MIROMAR LAKES  
COMMUNITY DEVELOPMENT DISTRICT**

\_\_\_\_\_  
James P. Ward, Secretary

\_\_\_\_\_  
Alan Refkin, Chairperson

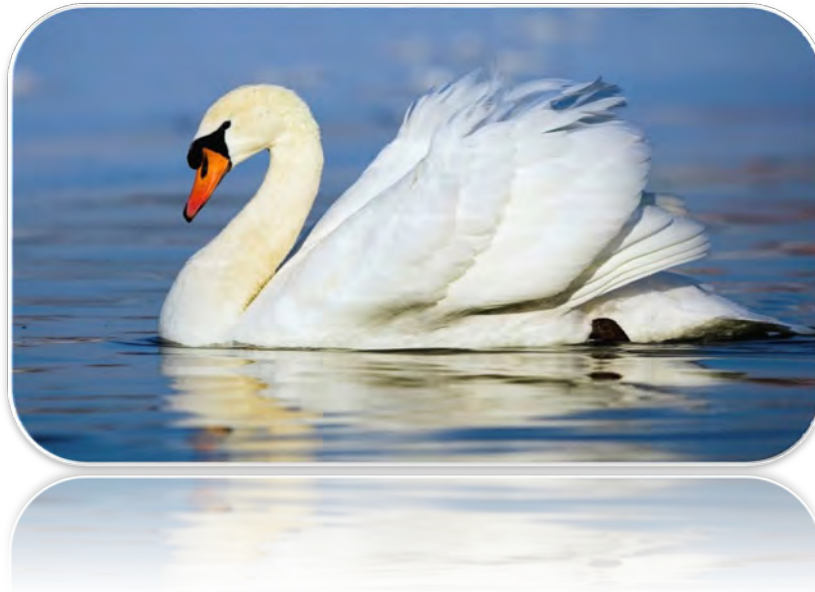
Exhibit A: Fiscal Year 2024 Proposed Budget

**Exhibit A**

Fiscal Year 2023 Proposed Budget

# MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

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## PROPOSED BUDGET

FISCAL YEAR 2024 (April 13, 2023)

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PREPARED BY:

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

T: 954-658-4900 E: [JimWard@JPWardAssociates.com](mailto:JimWard@JPWardAssociates.com)

**Miromar Lakes  
Community Development District**

**General Fund - Budget  
Fiscal Year 2024**

Description	Fiscal Year 2023 Budget	Actual at 02/29/2023	Anticipated Year End	Fiscal Year 2024 Budget	Notes
<b>Revenues and Other Sources</b>					
Cash Carryforward	\$ -	\$ -	\$ -	\$ -	NO Cash required from prior year to fund Operations
Miscellaneous Revenue	\$ -	\$ -	\$ -	\$ -	
Interest Income - General Account	\$ 75	\$ 0	\$ 1	\$ -	Interest on General Bank Account
Special Assessment Revenue	\$ -				
Special Assessment - On-Roll	\$ 813,007	\$ 702,187	\$ 813,007	\$ 1,007,091	Assessments from Resident Owners
Special Assessment - Off-Roll	\$ 180,306	\$ 90,153	\$ 180,306	\$ 181,010	Assessment from Developer
Misc. Revenue (Easement Encroachments)	\$ -	\$ -	\$ -	\$ -	
<b>Total Revenue &amp; Other Sources</b>	<b>\$ 993,388</b>	<b>\$ 792,340</b>	<b>\$ 993,314</b>	<b>\$ 1,188,102</b>	
<b>Expenditures and Other Uses</b>					
<b>Legislative</b>					
Board of Supervisor's Fees	\$ 12,000	\$ 4,000	\$ 12,000	\$ 12,000	Statutory Required Fees
Board of Supervisor's - FICA	\$ 918	\$ 306	\$ 918	\$ 918	FICA Required for Board Fees
<b>Executive</b>					
Professional Management	\$ 42,000	\$ 17,500	\$ 42,000	\$ 42,000	District Manager Contract
<b>Financial and Administrative</b>					
Audit Services	\$ 4,100	\$ 4,200	\$ 4,200	\$ 4,500	Statutory required audit yearly
Accounting Services (Amort Schedules)	\$ -	\$ -	\$ -	\$ -	
Assessment Roll Preparation	\$ 18,000	\$ 18,000	\$ 18,000	\$ 18,000	Statutory required maintenance of owner's par debt outstanding and
Arbitrage Rebate Fees	\$ 1,500	\$ 500	\$ 1,000	\$ 1,000	IRS Required Calculation to insure interest on bond funds does not
<b>Other Contractual Services</b>					
Recording and Transcription	\$ -	\$ -	\$ -	\$ -	Transcriptio of Board Meetings
Legal Advertising	\$ 1,200	\$ -	\$ 1,200	\$ 1,200	Statutory Required Legal Advertising
Trustee Services	\$ 9,300	\$ -	\$ 9,300	\$ 9,300	Trustee Fees for Bonds
Dissemination Agent Services	\$ -	\$ -	\$ -	\$ -	
Property Appraiser & Tax Collector Fees	\$ 1,300	\$ 1,233	\$ 1,233	\$ 1,300	Fees to place assessment on the tax bills
Bank Service Fees	\$ 500	\$ 106	\$ 250	\$ 250	Fees required to maintain bank account
Travel and Per Diem	\$ -	\$ -	\$ -	\$ -	
<b>Communications and Freight Services</b>					
Telephone	\$ -	\$ -	\$ -	\$ -	
Postage, Freight & Messenger	\$ 800	\$ 205	\$ 300	\$ 300	Mailing and postage
Insurance	\$ 7,300	\$ 7,726	\$ 7,726	\$ 8,100	General Liability and D&O Liability Insurance
Printing and Binding	\$ 2,700	\$ 233	\$ 250	\$ 300	Agenda books and copies
<b>Other Current Charges</b>					
Website Maintenance	\$ 1,200	\$ -	\$ 1,200	\$ 1,200	Statutory Maintenance of District Web site
Office Supplies	\$ -	\$ -	\$ -	\$ -	
Subscriptions and Memberships	\$ 175	\$ 175	\$ 175	\$ 175	Statutory fee to Department of Economic Opportunity
<b>Legal Services</b>					
General Counsel	\$ 18,000	\$ 1,741	\$ 6,000	\$ 18,000	District Attorney



**Community Development District**

**General Fund - Budget  
Fiscal Year 2024**

Description	Fiscal Year 2023 Budget	Actual at 02/29/2023	Anticipated Year End	Fiscal Year 2024 Budget	Notes
Easement Encroachments	\$ -	\$ -	\$ -		District Attorney - Fees for Legal documents for Easements
<b>Other General Government Services</b>					
Engineering Services					
General Services	\$ 5,000	3,910	\$ 7,000	\$ 7,000	District Engineer
Asset Maps/Cost Estimates	\$ 2,500	-	\$ -	\$ -	Engineer/Asset Manager
Asset Administrative Services	\$ 10,000	2,500	\$ 10,000	\$ 10,000	General Services (Asset Manager)
Easement Encroachments	\$ -	-	\$ -	\$ -	
Contingencies	\$ -	\$ -	\$ -	\$ -	
<b>Sub-Total:</b>	<b>\$ 138,493</b>	<b>\$ 62,335</b>	<b>\$ 122,752</b>	<b>\$ 135,543</b>	
<b>Stormwater Management Services</b>					
Professional Services					
Asset Management	\$ 35,800	\$ 8,950	\$ 35,800	\$ 46,000	District Asset Manager
NPDES	\$ 3,500	\$ 1,379	\$ 3,500	\$ 3,500	Regulatory Reporting for Wetlands
Utility Services					
Electric - Aeration System	\$ 4,800	\$ 1,857	\$ 7,429	\$ 5,000	Electric Service for Fountain
Repairs & Maintenance					
Lake System					
Aquatic Weed Control	\$ 74,000	\$ 15,379	\$ 74,000	\$ 80,000	Periodic spraying of lakes
Lake Bank Maintenance	\$ 2,000	\$ -	\$ 2,000	\$ 2,500	Periodic maintenance of lake banks
Water Quality Reporting & Testing	\$ 14,500	\$ 686	\$ 14,500	\$ 19,000	Periodic Reporting & Testing (3 times/year)
Water Control Structures	\$ 25,000	\$ 6,000	\$ 25,000	\$ 28,000	Yearly Cleaning of all Water Control Structures
Grass Carp Installation	\$ -	\$ -	\$ -	\$ -	N/A for FY 2024
Litoral Shelf Planting	\$ -	\$ -	\$ -	\$ -	None Required for FY 2024
Cane Toad Removal	\$ 36,000	\$ 8,600	\$ 36,000	\$ 37,000	Remove Lake Larvee/toads & exterminate
Midge Fly Control	\$ 24,000	\$ 14,526	\$ 24,000	\$ 35,000	Spraying of lakes to control insects - anticipate 4 treatments/year
Aeration System	\$ 8,000	\$ 773	\$ 1,500	\$ 8,000	Periodic Maintenance of Aeration systems
Fish Re-Stocking Plan	\$ 100,000	\$ -	\$ 70,000	\$ 98,000	Year 2 of Fisheries Restocking
Contingencies	\$ -	\$ -	\$ -	\$ 15,375	5% of Lake System Repairs & Maintenance
Wetland System					
Routine Maintenance	\$ 46,200	\$ 11,184	\$ 35,000	\$ 54,000	Periodic Maint. - remove exotic materials from wetlands/detention
Water Quality Testing	\$ -	\$ -	\$ -	\$ -	
Contingencies	\$ -	\$ -	\$ -	\$ 2,700	5% of Wetland System Repairs & Maintenance
Capital Outlay					
Aeration Systems	\$ 12,000	\$ -	\$ -	\$ -	Line Item Removed in FY 2024 and Beyond
Littoral Shelf Replanting/Barrier	\$ 6,000	\$ -	\$ -	\$ -	Line Item Removed in FY 2024 and Beyond
Lake Bank Restorations	\$ 59,000	\$ 16,099	\$ 45,000	\$ 108,500	See Capital Improvements for Detail
Turbidity Screens	\$ -	\$ -	\$ -	\$ -	See Capital Improvements for Detail
Erosion Restoration	\$ -	\$ -	\$ -	\$ -	See Capital Improvements for Detail
Video Stormwater Pipes/Repairs	\$ 55,000	\$ 20,050	\$ 38,050	\$ 52,000	See Capital Improvements for Detail
Detention Area Restorations	\$ -	\$ -	\$ -	\$ -	See Capital Improvements for Detail
Contingencies	\$ 108,000	\$ -	\$ -	\$ -	Moved to Reserves & Contingencies for Overall Operations

**Community Development District**

**General Fund - Budget  
Fiscal Year 2024**

Description	Fiscal Year 2023 Budget	Actual at 02/29/2023	Anticipated Year End	Fiscal Year 2024 Budget	Notes
<b>Sub-Total:</b>	<b>\$ 613,800</b>	<b>\$ 105,482</b>	<b>\$ 411,779</b>	<b>\$ 594,575</b>	
<b>Other Current Charges</b>					
Hendry County Panther Habitat Taxes	\$ 500	\$ -	\$ -	\$ -	No Assessment FY 2022 & 2023
<b>Sub-Total:</b>	<b>\$ 500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>Reserves &amp; Contingencies</b>					
Water Management System	\$ 105,000	\$ -	\$ -	\$ -	Line Item Removed in FY 24 moved to Overall Reserve
Disaster Relief Reserve	\$ 95,000	\$ -	\$ -	\$ -	Line Item Removed in FY 24 moved to Overall Reserve
Contingencies	\$ -	\$ -	\$ -	\$ -	Line Item Removed in FY 24 moved to Overall Reserve
Capital/Operations	\$ -	\$ -	\$ -	\$ 417,700	Long Term Capital Planning Tool - create a stable/equitable funding plan to offset deterioration resulting in sufficient funds for major common area expenditures and to create a stable fund for Hurricane Cleanup/Restoration
<b>Sub-Total:</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 417,700</b>	
<b>Other Fees and Charges</b>					
Discount for Early Payment	\$ 32,520	\$ -	\$ 32,520	\$ 40,284	4% Discounts property owner's if paying taxes in November.
<b>Sub-Total:</b>	<b>\$ 32,520</b>	<b>\$ -</b>	<b>\$ 32,520</b>	<b>\$ 40,284</b>	
<b>Total Expenditures and Other Uses</b>	<b>\$ 985,313</b>	<b>\$ 167,817</b>	<b>\$ 567,051</b>	<b>\$ 1,188,102</b>	
<b>Change from Current Year Operations</b>	\$ 8,075	\$ 624,523	\$ 426,262	\$ (0)	Cash Over (Short) at Fiscal Year End
<b>Fund Balance :</b>					
Capital/Operations Reserves	\$ 386,783		\$ 386,783	\$ 1,180,048	Long Term Capital Planning - Balance of Funds Remaining
1st Three (3) Months Operations	\$ 246,328		\$ 246,328	\$ 297,025	Required to meet Cash Needs until Assessment Rec'd.
<b>Total Fund Balance</b>	<b>\$ 633,111</b>		<b>\$ 1,059,373</b>	<b>\$ 1,477,073</b>	

**Total Fund Balance in FY 2023 Column is Actual Fund Balance as of October 1, 2022**

Community Development District

General Fund - Budget  
Fiscal Year 2024

Description	Fiscal Year 2023 Budget	Actual at 02/29/2023	Anticipated Year End	Fiscal Year 2024 Budget	Notes
<b>General Fund - Operations</b>					
Sold property on roll	1362	\$ 490.35		\$ 468.84	
Developer units off roll	255	\$ 465.55		\$ 451.53	
<b>Total:</b>	<b>1617</b>				
<b>Capital/Operations</b>					
Sold property on roll	1362	\$ 129.79		\$ 270.59	
Developer units off roll	255	\$ 123.69		\$ 258.32	
<b>Total:</b>	<b>1617</b>				
<b>Total Assessment</b>					
Sold property on roll	1362	\$ 620.14		\$ 739.42	
Developer units off roll	255	\$ 589.24		\$ 709.84	
<b>Total:</b>	<b>1617</b>				
<b>Cap Rate</b>		<b>\$ 739.98</b>		<b>\$ 739.98</b>	
<b>Reduction in Units for 2024</b>		<b>&lt;&lt; Total Rev Loss from Unit Reduction&gt;&gt;</b>		<b>\$ -</b>	

**Miromar Lakes  
Community Development District**

**General Fund - Budget  
Fiscal Year 2024**

**Capital Improvement Plan - Fiscal Year 2023 through FY 2028**

Description of Capital Items	2023	2024	2025	2026	2027	2028
<b>Rentention/Dentention Areas</b>						
Replanting - Luguna, Verono Lago	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Irrigation System:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Stormwater System</b>						
Video Stormwater Pipes/Repairs	\$ 55,000	\$ 52,000	\$ 45,000	\$ 35,000	\$ 35,000	\$ 35,000
<b>Total Stormwater System:</b>	<b>\$ 55,000</b>	<b>\$ 52,000</b>	<b>\$ 45,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>
<b>Lake System</b>						
<b>Improvements for Water Quality</b>						
Turbity Screen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Littoral Shelf - Re-Plantings	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ -
Littoral Shelf - Barrier Installation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Sub-Total</b>	<b>\$ 2,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Aeration System</b>						
Lake Aerator Systems	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Sub-Total:</b>	<b>\$ 16,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Erosion Restoration</b>						
Subdivision Shoreline- Rip-Rap Montebella (non-residential)	\$ 80,000	\$ 4,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Montelago	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Valencia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Verona Lago	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bellamare (non-residential)	\$ -	\$ 14,000	\$ -	\$ -	\$ -	\$ -
FGCU and Peninsula Berm	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Isla Bella	\$ -	\$ 18,000	\$ 16,000	\$ -	\$ -	\$ -
Sorrento	\$ -	\$ -	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000
San Marino	\$ -	\$ -	\$ -	\$ 22,000	\$ -	\$ -
Bellini	\$ -	\$ 58,000	\$ -	\$ -	\$ -	\$ -
St. Moritz	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Golf Course	\$ -	\$ -	\$ -	\$ -	\$ 14,000	\$ -
Contingencies/CEI Services	\$ 12,000	\$ 14,500	\$ 11,100	\$ 11,100	\$ 11,100	\$ 11,100
<b>Sub-Total:</b>	<b>\$ 92,000</b>	<b>\$ 108,500</b>	<b>\$ 101,100</b>	<b>\$ 107,100</b>	<b>\$ 99,100</b>	<b>\$ 85,100</b>
<b>Total: Stormwater Management System</b>	<b>\$ 165,000</b>	<b>\$ 160,500</b>	<b>\$ 146,100</b>	<b>\$ 142,100</b>	<b>\$ 134,100</b>	<b>\$ 120,100</b>
<b>Total Capital Improvements:</b>	<b>\$ 165,000</b>	<b>\$ 160,500</b>	<b>\$ 146,100</b>	<b>\$ 142,100</b>	<b>\$ 134,100</b>	<b>\$ 120,100</b>
<b>Estimated Cost Per Residential Unit:</b>	<b>\$ 102.04</b>	<b>\$ 99.26</b>	<b>\$ 90.35</b>	<b>\$ 87.88</b>	<b>\$ 82.93</b>	<b>\$ 74.27</b>

**Miromar Lakes  
Community Development District**

**Debt Service Fund - Series 2022 Bonds (Refinanced Series 2012 Bonds Original 2000A Bonds) - Budget  
Fiscal Year 2024**

Description	Fiscal Year 2023 Budget	Actual at 02/29/2023	Anticipated Year End 09/30/2022	Fiscal Year 2024 Budget
<b>Revenues and Other Sources</b>				
<b>Carryforward</b>	\$ -	\$ -	\$ -	\$ -
<b>Interest Income</b>				
Revenue Account	\$ -	\$ 1	\$ 2	\$ -
Interest Account	\$ -	\$ 1	\$ 2	\$ -
Prepayment Account	\$ -	\$ -	\$ -	\$ -
<b>Special Assessment Revenue</b>				
Special Assessment - On-Roll	\$ 856,835	\$ 719,785	\$ 856,835	\$ 833,182
Special Assessment - Off-Roll	\$ -	\$ -	\$ -	\$ -
Special Assessment - Prepayment	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue &amp; Other Sources</b>	<b>\$ 856,835</b>	<b>\$ 719,786</b>	<b>\$ 856,839</b>	<b>\$ 833,182</b>
	\$ -			
<b>Expenditures and Other Uses</b>				
<b>Debt Service</b>				
<b>Principal Debt Service - Mandatory</b>				
Series 2022 Bonds	\$ 620,000	\$ -	\$ 620,000	\$ 635,000
<b>Principal Debt Service - Early Redemptions</b>				
Series 2022 Bonds	\$ -	\$ -	\$ -	\$ -
<b>Interest Expense</b>				
Series 2022 Bonds	\$ 203,508	\$ 112,836	\$ 203,508	\$ 168,324
<b>Other Fees and Charges</b>				
Discounts for Early Payment	\$ 33,327	\$ -	\$ 33,327	\$ 33,472
<b>Total Expenditures and Other Uses</b>	<b>\$ 856,835</b>	<b>\$ 112,836</b>	<b>\$ 856,835</b>	<b>\$ 836,796</b>
<b>Net Increase/(Decrease) in Fund Balance</b>	\$ -	\$ 606,950	\$ 4	\$ (3,614)
<b>Fund Balance - Beginning</b>	\$ 181,497	\$ 181,497	\$ 181,497	\$ 181,501
<b>Fund Balance - Ending</b>	<b>\$ 181,497</b>	<b>\$ 788,447</b>	<b>\$ 181,501</b>	<b>\$ 177,887</b>
<b>Restricted Fund Balance:</b>				
Reserve Account Requirement			NONE	
Restricted for November 1, 2024 Interest Payment			\$ 76,960	
<b>Total - Restricted Fund Balance:</b>			<b>\$ 76,960</b>	

**Miromar Lakes  
Community Development District**

**Debt Service Fund - Series 2022 Bonds (Refinanced Series 2012 Bonds Originally 2000A Bonds) - Budget  
Fiscal Year 2024**

Description	Prepayments	Principal	Coupon Rate	Interest	Fiscal Year Annual Debt Service	Par Debt Outstanding
Par Issued - March 17, 2022		\$ 6,960,000	Varies			
11/1/2022				\$ 112,836.27		
5/1/2023	\$	620,000	2.100%	\$ 90,672.00	\$ 823,508.27	\$ 6,340,000
11/1/2023				\$ 84,162.00		
5/1/2024	\$	635,000	2.300%	\$ 84,162.00	\$ 803,324.00	\$ 5,705,000
11/1/2024				\$ 76,959.50		
5/1/2025	\$	650,000	2.450%	\$ 76,959.50	\$ 803,919.00	\$ 5,055,000
11/1/2025				\$ 68,897.00		
5/1/2026	\$	665,000	2.500%	\$ 68,897.00	\$ 802,794.00	\$ 4,390,000
11/1/2026				\$ 60,584.50		
5/1/2027	\$	680,000	2.600%	\$ 60,584.50	\$ 801,169.00	\$ 3,710,000
11/1/2027				\$ 51,744.50		
5/1/2028	\$	700,000	2.660%	\$ 51,744.50	\$ 803,489.00	\$ 3,010,000
11/1/2028				\$ 42,434.50		
5/1/2029	\$	720,000	2.720%	\$ 42,434.50	\$ 804,869.00	\$ 2,290,000
11/1/2029				\$ 32,642.50		
5/1/2030	\$	745,000	2.800%	\$ 32,642.50	\$ 810,285.00	\$ 1,545,000
11/1/2030				\$ 22,212.50		
5/1/2031	\$	760,000	2.850%	\$ 22,212.50	\$ 804,425.00	\$ 785,000
11/1/2031				\$ 11,382.50		
5/1/2032	\$	785,000	2.900%	\$ 11,382.50	\$ 807,765.00	\$ -

**Miromar Lakes  
Community Development District**

**Debt Service Fund - Series 2015 Bonds (Refinanced Series 2003 Bonds) - Budget  
Fiscal Year 2024**

Description	Fiscal Year 2023 Budget	Actual at 02/29/2023	Anticipated Year End 09/30/2022	Fiscal Year 2024 Budget
<b>Revenues and Other Sources</b>				
<b>Carryforward</b>				
<b>Interest Income</b>				
Reserve Account	\$ 12,000	\$ 5,824	\$ 12,000	\$ 12,000
Prepayment Account	\$ -	\$ 41	\$ 80	\$ -
Revenue Account	\$ 20	\$ 4,307	\$ 4,307	\$ 20
<b>Special Assessment Revenue</b>				
Special Assessment - On-Roll	\$ 568,597	\$ 490,823	\$ 568,597	\$ 593,699
Special Assessment - Off-Roll	\$ 349,809	\$ -	\$ 349,809	\$ 325,534
Special Assessment - Prepayment		\$ -	\$ -	\$ -
<b>Total Revenue &amp; Other Sources</b>	<b>\$ 930,426</b>	<b>\$ 500,995</b>	<b>\$ 934,793</b>	<b>\$ 931,253</b>
<b>Expenditures and Other Uses</b>				
<b>Debt Service</b>				
<b>Principal Debt Service - Mandatory</b>				
Series 2015 Bonds	\$ 485,000	\$ -	\$ 485,000	\$ 510,000
<b>Principal Debt Service - Early Redemptions</b>				
Series 2015 Bonds	\$ -	\$ 15,000	\$ 15,000	\$ -
<b>Interest Expense</b>				
Series 2015 Bonds	\$ 432,250	\$ 216,125	\$ 432,250	\$ 407,250
<b>Other Fees and Charges</b>				
Discounts for Early Payment	\$ 22,732	\$ -	\$ 22,732	\$ 23,748
<b>Total Expenditures and Other Uses</b>	<b>\$ 939,982</b>	<b>\$ 231,125</b>	<b>\$ 954,982</b>	<b>\$ 940,998</b>
<b>Net Increase/(Decrease) in Fund Balance</b>	\$ -	\$ 269,870	\$ (20,189)	\$ (9,745)
<b>Fund Balance - Beginning</b>	\$ 970,579	\$ 970,579	\$ 970,579	\$ 970,579
<b>Fund Balance - Ending</b>	<b>\$ 970,579</b>	<b>\$ 1,240,449</b>	<b>\$ 950,390</b>	<b>\$ 960,835</b>
<b>Restricted Fund Balance:</b>				
Reserve Account Requirement			\$ 450,500	
Restricted for November 1, 2024 Interest Payment			\$ 190,875	
<b>Total - Restricted Fund Balance:</b>			<b>\$ 641,375</b>	

**Miromar Lakes  
Community Development District**

**Debt Service Fund - Series 2015 - Amortization Schedule  
Debt Service Fund - Series 2015 Bonds (Refinanced Series 2003 Bonds) - Budget**

Description	Prepayments	Principal	Coupon Rate	Interest	Fiscal Year Annual DS	Par Debt Outstanding
Par Outstanding at 10/01/2023		\$ 8,145,000.00				
11/1/2023				\$ 203,625.00		
5/1/2024	\$	510,000	5.000%	\$ 203,625.00	\$ 917,250.00	\$ 7,635,000.00
11/1/2024				\$ 190,875.00		
5/1/2025	\$	535,000	5.000%	\$ 190,875.00	\$ 916,750.00	\$ 7,100,000.00
11/1/2025				\$ 177,500.00		
5/1/2026	\$	560,000	5.000%	\$ 177,500.00	\$ 915,000.00	\$ 6,540,000.00
11/1/2026				\$ 163,500.00		
5/1/2027	\$	590,000	5.000%	\$ 163,500.00	\$ 917,000.00	\$ 5,950,000.00
11/1/2027				\$ 148,750.00		
5/1/2028	\$	620,000	5.000%	\$ 148,750.00	\$ 917,500.00	\$ 5,330,000.00
11/1/2028				\$ 133,250.00		
5/1/2029	\$	650,000	5.000%	\$ 133,250.00	\$ 916,500.00	\$ 4,680,000.00
11/1/2029				\$ 117,000.00		
5/1/2030	\$	685,000	5.000%	\$ 117,000.00	\$ 919,000.00	\$ 3,995,000.00
11/1/2030				\$ 99,875.00		
5/1/2031	\$	720,000	5.000%	\$ 99,875.00	\$ 919,750.00	\$ 3,275,000.00
11/1/2031				\$ 81,875.00		
5/1/2032	\$	760,000	5.000%	\$ 81,875.00	\$ 923,750.00	\$ 2,515,000.00
11/1/2032				\$ 62,875.00		
5/1/2033	\$	795,000	5.000%	\$ 62,875.00	\$ 920,750.00	\$ 1,720,000.00
11/1/2033				\$ 43,000.00		
5/1/2034	\$	840,000	5.000%	\$ 43,000.00	\$ 926,000.00	\$ 880,000.00
11/1/2034				\$ 22,000.00		
5/1/2035	\$	880,000	5.000%	\$ 22,000.00	\$ 924,000.00	\$ -



**Miromar Lakes**  
**Community Development District**  
**Assessment Levy - Summary of All Funds**  
**Series 2022 (Refinanced 2012/2000A Bonds - Phase I)**  
**Par Amount: \$6,960,000 - 8 Years Remaining**

	Original Par	Bond Designation	Debt Service Assessment	General Fund Assessment	Total Assessment	Outstanding Par at 09/30/2024
Murano	\$ 24,687.00	SF 2	\$ 1,408.63	\$ 739.42	\$ 2,148.05	\$ 9,645.22
Positano	\$ 24,687.00	SF 2	\$ 1,408.63	\$ 739.42	\$ 2,148.05	\$ 9,645.22
Verona Lago	\$ 14,789.00	SF	\$ 845.18	\$ 739.42	\$ 1,584.60	\$ 5,787.13
Isola Bella	\$ 14,789.00	SF	\$ 845.18	\$ 739.42	\$ 1,584.60	\$ 5,787.13
Bellamare	\$ 14,789.00	SF	\$ 845.18	\$ 739.42	\$ 1,584.60	\$ 5,787.13
Ana Capri	\$ 14,789.00	SF	\$ 845.18	\$ 739.42	\$ 1,584.60	\$ 5,787.13
Casteli	\$ 14,789.00	SF	\$ 845.18	\$ 739.42	\$ 1,584.60	\$ 5,787.13
Montelago	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Tivoli	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
St. Moritz	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Sienna	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Caprini	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Porto Romano	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Volterra	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Portofino	\$ 12,324.00	VILLA	\$ 704.31	\$ 739.42	\$ 1,443.73	\$ 4,822.61
Valencia	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Vivaldi	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Bella Vista	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Mirosol	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Positano	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
San Marino	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Montebello	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Ravenna	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
Bellini	\$ 9,859.00	MF	\$ 563.45	\$ 739.42	\$ 1,302.87	\$ 3,858.09
University	\$ -	GOV	\$ -	\$ 4,436.53	\$ 4,436.53	\$ -
Golf Club/Course		GOLF	\$ 130,111.67	\$ 7,394.21	\$ 137,505.88	\$ 890,905.99
Beach Club		BEACH	\$ 12,983.52	\$ -	\$ 12,983.52	\$ 88,901.29
<b>Comparison : Fiscal Year 2023 Assessments</b>						
		SF 2	\$ 1,408.63	\$ 620.14	\$ 2,028.77	\$ 10,718.79
		SF	\$ 845.18	\$ 620.14	\$ 1,465.32	\$ 6,431.27
		VILLA	\$ 704.31	\$ 620.14	\$ 1,324.45	\$ 5,359.90
		MF	\$ 563.45	\$ 620.14	\$ 1,183.59	\$ 4,287.52
		GOV	\$ -	\$ 3,720.84	\$ 3,720.84	\$ -
		GOLF	\$ 130,111.67	\$ 6,201.40	\$ 136,313.07	\$ 990,069.06
		BEACH	\$ 12,983.52	\$ -	\$ 12,983.52	\$ 98,796.52

**Miromar Lakes**  
**Community Development District**  
**Assessment Levy - Summary of All Funds**  
**Series 2015 Bonds (Refinanced 2003 A Bonds - Phase II)**  
**Par Amount - \$19,165,000 - 12 Years Remaining**

Phase I Neighborhoods	Original Par	Bond Designation	Debt Service Assessment	General Fund Assessment	Total Assessment	Outstanding Par at 09/30/2024
Sorrento	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Salerno I	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Lugano	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Salerno II	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Sardinia	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Avelino	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Ancona	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Bergamo	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Positano	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Costa Maggiore Phase 3	\$ 34,794.86	SF 2	\$ 2,372.40	\$ 739.42	\$ 3,111.82	\$ 19,427.41
Navona	\$ 25,786.39	Villa 2	\$ 1,758.18	\$ 739.42	\$ 2,497.60	\$ 14,421.94
Cassina	\$ 25,786.39	Villa 2	\$ 1,758.18	\$ 739.42	\$ 2,497.60	\$ 14,421.94
Trevi	\$ 25,786.39	Villa 2	\$ 1,758.18	\$ 739.42	\$ 2,497.60	\$ 14,421.94
Cortona	\$ 25,786.39	Villa 2	\$ 1,758.18	\$ 739.42	\$ 2,497.60	\$ 14,421.94
Villa D/Este	\$ 25,786.39	Villa 2	\$ 1,758.18	\$ 739.42	\$ 2,497.60	\$ 14,421.94
Costa Amalfi	\$ 19,339.79	Villa 1	\$ 1,318.64	\$ 739.42	\$ 2,058.06	\$ 10,818.41
Future Multifamily	\$ 19,339.79	MF	\$ 1,318.64	\$ 739.42	\$ 2,058.06	\$ 10,824.87
Unsold Residential		SF 2	\$ 63,716.24	\$ 19,875.64	\$ 83,591.88	\$ 543,967.35
Unsold Residential		MF	\$ 261,817.70	\$ 161,134.62	\$ 422,952.32	\$ 2,258,445.82

Comparison : Fiscal Year 2023 Assessments						
	SF 2	\$ 2,383.40	\$ 620.14	\$ 3,003.54	\$ 20,722.56	
	Villa 2	\$ 1,769.32	\$ 620.14	\$ 2,389.46	\$ 15,383.40	
	Villa 1	\$ 1,327.23	\$ 620.14	\$ 1,947.37	\$ 11,539.63	
	MF	\$ 1,328.02	\$ 620.14	\$ 1,948.16	\$ 11,546.52	

**Miromar Lakes Community Development District  
General Fund - Units by Type**

Platted/Sold	FY 2023	FY 2024			Total Units
		On Roll	Direct Bill	Change	
Verona Lago	62	62			62
Bellamare	20	20			20
Isola Bella	13	13			13
Anacapri	10	10			10
Castelli	8	8			8
Murano	19	19			19
Costa Amalfi	16	16			16
Sorrento	11	11			11
Monte Lago	30	30			30
Siena	27	27			27
Tivoli	76	76			76
St Moritz	37	37			37
Caprini	27	27			27
Porto Romano	55	55			55
Portofino	20	20			20
Voterra	12	12			12
Valencia	80	80			80
Bella Vista	60	60			60
Vivaldi	60	60			60
Mirasol	110	110			110
Positano SF	19	11		(8)	11
Solari	0	10		10	10
San Marino	160	160			160
Montebello	40	40			40
Ravenna	60	60			60
Bellini	60	60			60
Navona	18	18			18
Salerno	10	10			10
Sardinia	8	8			8
Cassina	23	23			23
Lugano	11	11			11
Salerno II	22	22			22
Villa D'Este	12	12			12
Veneto	6	12			12
Ancona	12	6			6
Bergamo	6	6			6
Trevi	11	11			11
Cortona	19	19			19
Prestino	23	23			23
Avellino	22	9			9
San Lorenzo	0	13			13
Messina	0	49		49	49
<b>Total Platted/Sold</b>	<b>1295</b>	<b>1346</b>	<b>0</b>	<b>51</b>	<b>1346</b>
<b>Unplatted (direct billed)</b>					
Future residential					
Messina	49		0	(49)	0
Sales Center	28		28		28
Tract D	229		227	(2)	227
<b>Other - On-Roll</b>					
Golf Club	10	10			10
Government Parcel	6	6			6
	<b>1617</b>	<b>1362</b>	<b>255</b>	<b>0</b>	<b>1617</b>

**NOTE - Rolls are not available until June, as such - the roll counts for Unplatted properties may change**

# **MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT**

**Monthly Asset Manager's Report  
April 2023**

Prepared For:  
**James Ward**  
Community Development District Manager

Prepared By:



Calvin, Giordano & Associates, Inc.

**A SAFEbuilt® COMPANY**

CGA Project No. 13-5692  
May 1, 2023

**MIROMAR LAKES  
COMMUNITY DEVELOPMENT DISTRICT**

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# MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

## I. PURPOSE

The purpose of this report is to provide the District Manager an update of recent inspection related activities. We will continue to provide updated monthly inspection reports on the status of ongoing field activities.

## II. CURRENT ASSET UPDATES

The following items are currently outstanding:

### 1. Lake Maintenance

- Lake vendor treated grasses, brushes, vines, and weeds along the shoreline of lakes 3A, 6B, 6C, 6E, 6D, 6H, 6I, 6N, 6O, 6Q, and the Bellini shoreline. Lake vendor also hand-pulled invasive vines in Lake 6J. Vendor completed an inspection on the Peninsula Lake and no algae were observed in the lakes or shoreline. Water levels in the lakes are 2 feet below concrete weir elevation.
- The broad leaf sprigs known as *Vallisneria* along the east channel of the peninsula are currently outcompeting the pondweed and hydrilla. *Vallisneria* is a beneficial wetland plant that prevents invasive weeds from becoming establish. The *Vallisneria* has not been treated as it improves the quality of the fish habitat. The lake vendor has been requested to begin treating the *Vallisneria* so that it is not as prevalent within the channel. This work will take place in the 2<sup>nd</sup> week in May.

### 2. Drainage

- The CDD received a concern about the retention areas located near the tennis courts not draining. It was determined that these drains were clogged due to landscape debris. The CDD staff is working with drainage vendor to get a proposal to bring the structure to proper elevation to prevent debris form clogging the drains in the future.
- The stormwater drainage grate had fallen into the structure in the detention areas located in the right of way in Laguna. CDD staff approved a proposal for the drainage vendor to reset the grate and add river stone around the structure to prevent sediment run off.

- CDD staff had a Teams meeting with FDEP to discuss the upcoming NPDES inspection meeting. A date and time were established, and staff is working on compiling the requested documents that FDEP is requesting during this audit. This meeting will take place on May 2<sup>nd</sup> and the Asset Manager and District Engineer will be in attendance.
- Drainage vendor has called in the line locations for the schedule pipe repair within Valencia the first week of May. The CDD will work with the HOA to notify the residents of any lane closures.

### 3. Capital

- Fishery vendor has begun planting the wetland plants in both Lakes 5/6 South and 5/6 North on Monday April 10. They installed 82,000 wetland plants over a three-week span and completed the plantings the last week in April. Wetland plants were installed at both Miromar Lakes CDD and Esplanade Lake Club CDD water bodies. Over the next few months, the Soutide will monitor the growth progress to ensure success.





#### IV. DISTRICT ASSET MANAGERS PHOTOS



Laguna Retainage Area



New Aquatic Plantings



New Aquatic Plantings



New Aquatic Plantings





Laguna Catch-Basin Grate



Retention Area Near Volleyball Courts

**I. ASSET MANAGER'S REPORT COMPLETE**

By: \_\_\_\_\_

By: Richard Freeman  
District Field Manager



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# **Miromar Lakes**

## **Community Development District**

### ***Landscape Buffers – Replacement Costs***

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**CGA Project No. 13-5692**

**March 2023**

**Prepared by:**



Calvin, Giordano & Associates, Inc.

A SAFEbuilt COMPANY

**Michael D. Conner, R.L.A., ASLA, ISA**

**Florida License Registration No. LA00001181**

**March 2023**

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## EXECUTIVE SUMMARY

Calvin, Giordano, and Associates, Inc. (CGA) has reviewed the current condition of all plant materials located within the major landscape buffers currently owned by the District, to assess the damage from Hurricane Ian. This cost estimate outlines what funding might be needed to re-establish these landscape buffers to the CDD's standards as of the date of this report. The Master HOA agreement currently provides for this work to be accomplished by the HOA.

This re-establishment effort would include any remaining clean up items and removals leftover from Hurricane Ian, as well as standing back up some trees, palms, and Ficus stumps. It would also include replacing any dead, or missing, trees, palms, and plant materials, as well as enhancing the condition of some of the sod areas, and repairing the irrigation system, where needed. The estimated costs included in this report have been separated into two (2) main areas: Part A for the interior landscape buffer areas along both sides of Ben Hill Griffin Parkway and the medians; Part B for the major exterior landscape berms/buffers around the perimeter of the property. Each part has been further broken down into the costs associated with removals, clean up, and recommended maintenance items, and then the costs for replacement of dead or missing plant materials. This should assist the CDD in more easily determining the areas that may be of higher priority to be restored. A brief summary of the costs for each of these is provided below:

<b>PART A: LANDSCAPE AREAS ALONG BEN HILL GRIFFIN PARKWAY TOTAL:</b>	<b><u>\$127,138.00</u></b>
Removals, Clean up, and Landscape Maintenance Items:	\$77,375.00
Replacement Planting:	\$49,763.00
<b>PART B: LANDSCAPE BERMS/BUFFERDS ALONG PERIMETERS TOTAL:</b>	<b><u>\$282,400.00</u></b>
Removals, Clean up, and Landscape Maintenance Items:	\$185,050.00
Replacement Planting:	\$97,350.00

The estimated overall cost for all of the restoration and replacement work of all areas is approximately \$409,538.00.

It should also be noted that the term "restoration" in this report means that the landscape buffer areas will be re-planted with similar plant materials at sizes that are readily available in the industry at the time, and shall not mean that the existing trees, palms, and hedges will be replaced at the same size of their current, mature sizes. In addition, it should also be noted that some of the costs for debris related to removal and clean-up activities after Hurricane Ian are anticipated to be completed by the Miromar Lakes Master HOA, which currently maintains these areas.

# LANDSCAPE BUFFERS REPLACEMENT COSTS

## A. LOCATION OF LANDSCAPE BUFFERS

Figure 1-3 below show the locations of all existing landscape buffers within the Miromar Lakes C.D.D.



Figure 1 - Location Map of Existing Landscape Buffers - Section 1 of 3





Figure 2 - Location Map of Existing Landscape Buffers - Section 2 of 3



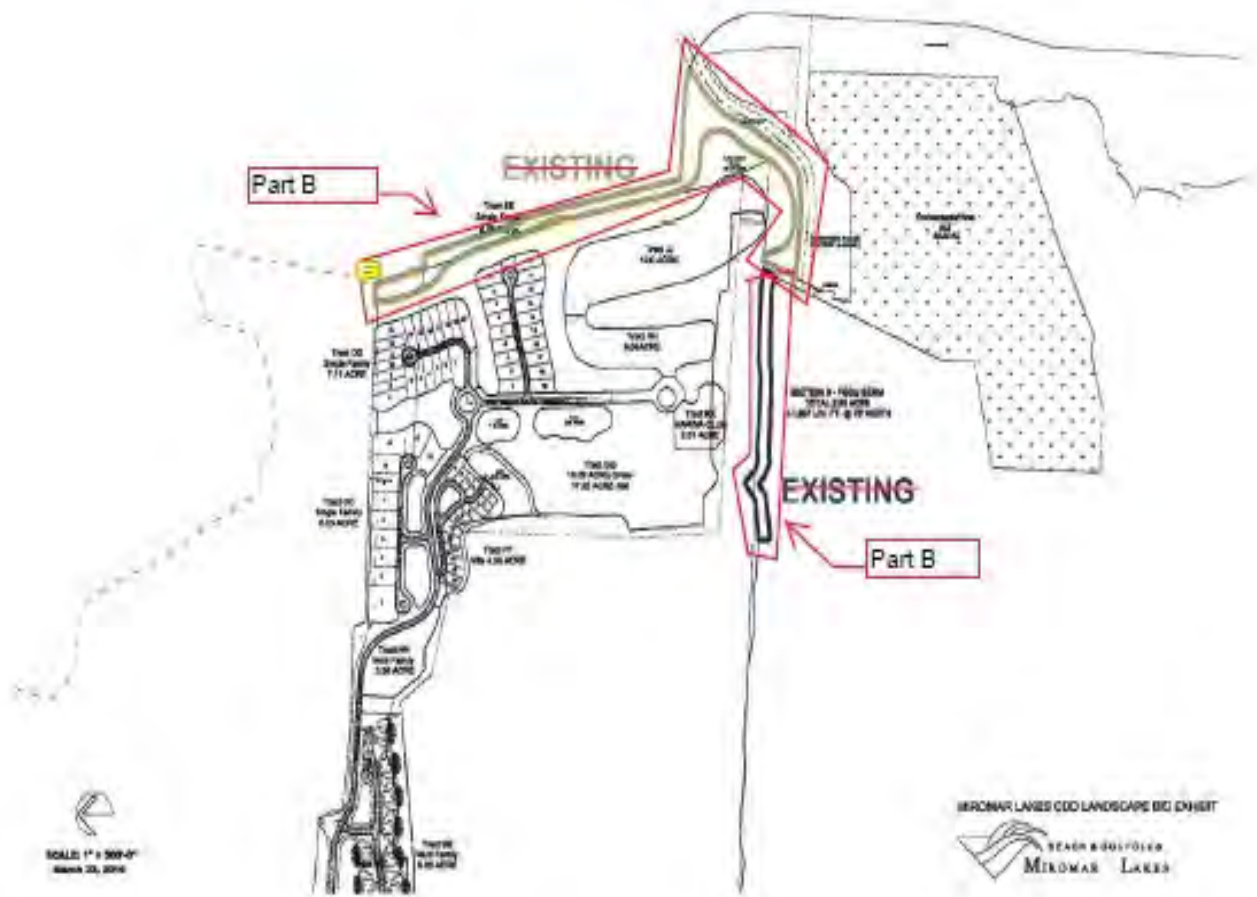


Figure 3 - Location Map of Existing Landscape Buffers - Section 3 of 3

## B. ESTIMATED COSTS FOR CLEAN UP, RESTORATION, AND REPLACEMENT OF PLANT MATERIAL ON THE LANDSCAPE BUFFERS

The report attached below (see pages 9-10) includes the detailed estimated costs associated with debris removal, cleaning up, restoring, and replacing all the landscape materials, irrigation systems, and other landscape maintenance related items for the interior landscape buffer areas along both sides of Ben Hill Griffin Parkway and the medians. A summary of those costs is provided here:

### **PART A- INTERIOR LANDSCAPE AREAS ALONG BEN HILL GRIFFIN PARKWAY**

#### Removals, Clean up & Landscape Maintenance Items: (\$77,375.00 TOTAL)

I.	Tivoli Berm	\$0.00
II.	N. of Miromar Lakes Pky.	\$26,900.00 (\$11,900.00 + \$15,000.00 - to Treat Zoyzia Grass)
III.	M.L.P. to FGCU Lakes Pky.	\$13,625.00 (\$875.00 + \$12,750.00 –to Treat Zoyzia Grass)
IV.	FGCU L. P. to Porto Romano	\$30,750.00 – (\$15,750 + \$15,000.00) – To treat Zoyzia Grass)
V.	Porto Romano Berm	\$1,100.00
VI.	San Marino Berm	\$5,000.00

#### Replacement Plantings: (\$49,763.00 TOTAL)

I.	Tivoli Berm	\$10,164.00
II.	N. of Miromar Lakes Pky.	\$5,996.00
III.	M.L.P. to FGCU Lakes Pky.	\$12,707.00
IV.	FGCU L. P. to Porto Romano	\$12,360.00
V.	Porto Romano Berm	\$1,200.00
VI.	San Marino Berm	\$7,336.00

Total All Costs = \$127,138.00

## **PART B - MAJOR EXTERIOR PERIMETER BERMS/BUFFERS**

The report attached below (see pages 9-10) includes the detailed estimated costs associated with debris removal, cleaning up, restoring, and replacing all the landscape materials, irrigation systems, and other landscape maintenance related items for the major exterior landscape berms/buffer areas, including the FGCU Berm, the East Lake Peninsula Berm, and I-75 Berm. A summary of those costs is provided here:

### Removals, Clean up & Landscape Maintenance Items: (\$185,050.00 TOTAL)

VII.	FGCU Berm	\$45,300.00 (\$30,300.00 + 15,000.00 for Irrigation Repairs)
VIII.	East Lake Berm	\$49,900.00 (\$39,900.00 + 10,000.00 to Trim/Treat Coco. Palms)
IX.	I -75 Berm	\$89,850.00 (\$65,850.00 + 25,000.00 for Irrigation Repairs)

### Replacement Plantings: (\$97,350.00 TOTAL)

I.	FGCU Berm	\$23,000.00
II.	East Lake Peninsula Berm	\$27,025.00
III.	I -75 Berm	\$47,325.00

Total All Costs = \$282,400.00



Calvin, Giordano & Associates, Inc.  
A SAFEbuilt COMPANY

LANDSCAPES OPINION  
OF PROBABLE COST

DATE  
3/27/2023

PROJECT TITLE: Miromar Lakes CDD / Landscape Buffers CGA PROJECT NO.:

LOCATION:

OWNER:

ESTIMATED BY: Michael Conner CHECKED BY: APPROVED BY:

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
<b>I BEN HILL GRIFFIN PKY. - TIVOLI BERM</b>					
1.01	15 g. VIBURNUM	100		\$75.00	\$7,500.00
1.02	3 g. PLUMBAGO	12		\$12.00	\$144.00
1.03	3 g. VAR FLAX LILY	115		\$12.00	\$1,380.00
1.04	3 g. BOSTON FERN	95		\$12.00	\$1,140.00
<b>BEN HILL GRIFFIN PKY. - TIVOLI BERM SUBTOTAL</b>					<b>\$10,164.00</b>
<b>II EAST /WEST SIDE &amp; MERIDAN (N. OF MIROMAR LAKES BLVD.)</b>					
2.01	HONG KONG ORCHID TREES	2		\$700.00	\$1,400.00
2.02	LIVE OAK TREE	1		\$600.00	\$600.00
2.03	3 g. THYRALLIS HEDGES	50		\$12.00	\$600.00
2.04	15 g. BOUGAINVILLEA SHRUBS	12		\$75.00	\$900.00
2.05	3 g. 'PETRA' CROTONS	55		\$12.00	\$660.00
2.06	3 g. WAX JASMINE	70		\$10.00	\$700.00
2.07	3 g. VAR. FLAX LILY	50		\$12.00	\$600.00
2.08	3 g. GOLD MOUND	3		\$12.00	\$36.00
2.09	REPLACE ZOYSIA GRASS	500		\$1.00	\$500.00
<b>REPLACEMENT TOTAL</b>					<b>\$5,996.00</b>
2.10	REMOVE THYRALLIS (DEAD / POOR)	10		\$15.00	\$150.00
2.11	LIVE OAK TREE (RE-STAKE)	1		\$250.00	\$250.00
2.12	HONG KONG ORCHID TREES (2-RE-STAKE)	2		\$250.00	\$500.00
2.13	TREAT ZOYSIA GRASS	30,000		\$0.50	\$15,000.00
2.14	CLEAN UP OF DEAD WOOD & TREE DEBRIS	1		\$11,000.00	\$11,000.00
<b>REMOVAL TOTAL</b>					<b>\$26,900.00</b>
<b>EAST /WEST SIDE &amp; MERIDAN (N. OF MIROMAR LAKES BLVD.) SUBTOTAL</b>					<b>\$32,896.00</b>
<b>III MIROMAR LAKES BLVD TO F.G.C.U LAKE PKY. WEST</b>					
3.01	CRYPE MYRTLE TREES	2		\$500.00	\$1,000.00
3.02	LIGUSTRUM TREES	3		\$700.00	\$2,100.00
3.03	3 g. WAX JASMINE	51		\$10.00	\$510.00
3.04	3 g. COONTIE	6		\$20.00	\$120.00
3.05	3 g. RUELLIA	115		\$12.00	\$1,380.00
3.06	3g. IXORA- 'NORA GRANT'	56		\$12.00	\$672.00
3.07	15 g. VIBURNUM HEDGES	42		\$75.00	\$3,150.00
3.08	REPLACE ZOYSIA GRASS	2,500		\$1.00	\$2,500.00
3.09	REPLACE ST.AUGUSTINE GRASS	1,700		\$0.75	\$1,275.00
<b>REPLACEMENT TOTAL</b>					<b>\$12,707.00</b>
3.10	REMOVE VIBURNUM HEDGES	15		\$25.00	\$375.00
3.11	CRYPE MYRTLE TREES (RE-STAKE)	2		\$250.00	\$500.00
3.12	TREAT ZOYSIA GRASS	25,500		\$0.50	\$12,750.00
<b>REMOVAL TOTAL</b>					<b>\$13,625.00</b>
<b>MIROMAR LAKES BLVD TO F.G.C.U LAKE PKY. WEST SUBTOTAL</b>					<b>\$26,332.00</b>
<b>IV F.G.C.U LAKE PKY. WEST - TO THE SOUTH GAP BEFORE PORTO ROMANO</b>					
4.01	LIGUSTRUM TREES	6		\$700.00	\$4,200.00
4.02	SABAL PALMS	1		\$300.00	\$300.00
4.03	LIVE OAK TREES	3		\$600.00	\$1,800.00
4.04	3 g. RUELLIA	55		\$12.00	\$660.00
4.05	15 g. VIBURNUM HEDGES	72		\$75.00	\$5,400.00
<b>REPLACEMENT TOTAL</b>					<b>\$12,360.00</b>
4.06	LIVE OAKS (+REMOVE 2 POOR TREES & 1 STUMP)	3		\$250.00	\$750.00
4.07	TREAT ST.AUGUSTINE GRASS	30,000		\$0.50	\$15,000.00
4.08	CLEAN UP DEAD WOOD & TREE REMOVAL	1		\$15,000.00	\$15,000.00
<b>REMOVAL TOTAL</b>					<b>\$30,750.00</b>
<b>F.G.C.U LAKE PKY. WEST - TO THE SOUTH GAP BEFORE PORTO ROMANO SUBTOTAL</b>					<b>\$43,110.00</b>
<b>V PORTO ROMANO BERM</b>					
5.00	GUMBO LIMBO TREE	1		\$600.00	\$600.00
5.01	PINK TABEBUIA TREE	1		\$600.00	\$600.00
<b>REPLACEMENT TOTAL</b>					<b>\$1,200.00</b>
5.02	PIGEON PLUM (RE-STAKE)	1		\$250.00	\$250.00
5.03	GUMBO LIMBO (REMOVE STUMP)	1		\$250.00	\$250.00
5.04	PINK TABEBUIA (REMOVE STUMP)	1		\$250.00	\$250.00
5.05	FICUS TREE (RE-STAKE & ADD MORE SOIL)	1		\$350.00	\$350.00
<b>REMOVAL TOTAL</b>					<b>\$1,100.00</b>
<b>PORTO ROMANO BERM SUBTOTAL</b>					<b>\$2,300.00</b>
<b>VI SAN MARINO BERM</b>					
6.01	FICUS TREE	1		\$500.00	\$500.00
6.02	PIGEON PLUMS TREES	3		\$600.00	\$1,800.00
6.03	TAMARIND TREES	2		\$700.00	\$1,400.00
6.04	15 g. VIBURNUM HEDGES	27		\$75.00	\$2,025.00
6.05	3 g. COCOPLUM	53		\$12.00	\$636.00
6.06	3 g. HIBISCUS	65		\$15.00	\$975.00
<b>REPLACEMENT TOTAL</b>					<b>\$7,336.00</b>



Calvin, Giordano & Associates, Inc.  
A SAFEbuilt COMPANY

LANDSCAPES OPINION  
OF PROBABLE COST

DATE  
3/27/2023

PROJECT TITLE		CGA PROJECT NO.			
Miromar Lakes CDD / Landscape Buffers					
LOCATION					
OWNER					
ESTIMATED BY: Michael Conner		CHECKED BY		APPROVED BY	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
6.07	TREE REMOVALS	1		\$5,000.00	\$5,000.00
				<b>REMOVAL TOTAL</b>	<b>\$5,000.00</b>
				<b>SAN MARINO BERM SUBTOTAL</b>	<b>\$12,336.00</b>
<b>VIII F.G.C.U - LAKE BERM</b>					
7.01	SLASH PINES	7		\$700.00	\$4,900.00
7.02	COCONUT PALMS	16		\$750.00	\$12,000.00
7.03	SABAL PALMS	6		\$300.00	\$1,800.00
7.04	FICUS TREES	8		\$500.00	\$4,000.00
7.05	15 g. FICUS HEDGES	4		\$75.00	\$300.00
				<b>REPLACEMENT TOTAL</b>	<b>\$23,000.00</b>
7.06	SABAL PALMS (REMOVE 3 DEAD PALMS & 3 STUMPS)	6		\$50.00	\$300.00
7.07	WASHINGTONIA PALM (REMOVAL ONLY - NO REPLACEMENT)	1		\$250.00	\$250.00
7.08	FICUS TREES (RE-STAKE ONLY)	7		\$250.00	\$1,750.00
7.09	IRRIGATION REPAIRS	1		\$15,000.00	\$15,000.00
7.10	CLEAN UP OF DEAD WOOD & TREE REMOVALS	1		\$28,000.00	\$28,000.00
				<b>REMOVAL TOTAL</b>	<b>\$45,300.00</b>
				<b>F.G.C.U - LAKE BERM SUBTOTAL</b>	<b>\$68,300.00</b>
<b>VIII EAST LAKE PENINSULA BERM</b>					
8.01	FICUS TREES	5		\$500.00	\$2,500.00
8.02	SABAL PALMS	2		\$300.00	\$600.00
8.03	HONG KONG ORCHID TREE	1		\$600.00	\$600.00
8.04	COCONUT PALMS	9		\$750.00	\$6,750.00
8.05	3 g. WAX JASMINE	540		\$10.00	\$5,400.00
8.06	3 g. BOSTON FERNS	45		\$12.00	\$540.00
8.07	3 g. OLEANDER	24		\$15.00	\$360.00
8.08	3 g. COCOPLUM	350		\$12.00	\$4,200.00
8.09	3 g. FIREBRUSH	335		\$15.00	\$5,025.00
8.10	3 g. PHILODENDRONS	25		\$12.00	\$300.00
8.11	15 g. VIBURNUM HEDGES	10		\$75.00	\$750.00
				<b>REPLACEMENT TOTAL</b>	<b>\$27,025.00</b>
8.12	FICUS TREES (3 REMOVE, 1 UPROOTED & 1 STUMP)	5		\$250.00	\$1,250.00
8.13	FICUS TREES (NEED PRUNING)	1		\$150.00	\$150.00
8.14	FICUS TREES (RE-STAKE)	1		\$250.00	\$250.00
8.15	SABAL PALMS (1 REMOVE & 1 STUMP)	2		\$50.00	\$100.00
8.16	HONG KONG ORCHID TREES (REMOVE / DEAD)	1		\$250.00	\$250.00
8.17	HONG KONG ORCHID TREES (NEEDS PRUNING)	1		\$150.00	\$150.00
8.18	ROYAL PALM (RE-STAKE)	1		\$250.00	\$250.00
8.19	HONG KONG ORCHID TREES (RE-STAKE)	2		\$250.00	\$500.00
8.20	TRIM ALL COCONUT PALMS	1		\$7,500.00	\$7,500.00
8.21	TREAT / FERTILIZE ALL COCONUT PALMS	1		\$2,500.00	\$2,500.00
8.22	CLEAN UP OF DEAD WOOD & TREE REMOVAL	1		\$37,000.00	\$37,000.00
				<b>REMOVAL TOTAL</b>	<b>\$49,900.00</b>
				<b>EAST LAKE PENINSULA BERM SUBTOTAL</b>	<b>\$76,925.00</b>
<b>VIII I - 75 BERM</b>					
9.01	FICUS TREES (MISSING & REMOVALS & REPLACEMENTS)	48		\$500.00	\$24,000.00
9.02	ORCHID TREES	10		\$700.00	\$7,000.00
9.03	SILK FLOSS TREES	4		\$700.00	\$2,800.00
9.04	YELLOW POINCIANA TREES	7		\$700.00	\$4,900.00
9.05	15g. VIBURNUM HEDGES	75		\$75.00	\$5,625.00
9.06	FAN PALMS - 4' - 5' HT.	20		\$150.00	\$3,000.00
				<b>REPLACEMENT TOTAL</b>	<b>\$47,325.00</b>
9.07	5 OR 6 "WASH OUT" AREAS - (NEED MORE SOIL)	1		\$5,000.00	\$5,000.00
9.08	FICUS TREES (REMOVE)	14		\$250.00	\$3,500.00
9.09	FICUS TREES (STUMPS)	2		\$250.00	\$500.00
9.10	FICUS TREES (RE-STAKE)	6		\$250.00	\$1,500.00
9.11	ORCHID TREES (NEED PRUNING)	3		\$150.00	\$450.00
9.12	JACARANDA TREE (NEEDS PRUNING)	1		\$150.00	\$150.00
9.13	YELLOW POINCIANA TREES (RE-STAKE)	1		\$250.00	\$250.00
9.14	REMOVE BRAZILIAN PEPPER	1		\$1,500.00	\$1,500.00
9.15	IRRIGATION REPAIRS	1		\$25,000.00	\$25,000.00
9.16	CLEAN UP DEAD WOOD & TREE REMOVAL	1		\$52,000.00	\$52,000.00
				<b>REMOVAL TOTAL</b>	<b>\$89,850.00</b>
				<b>I - 75 BERM SUBTOTAL</b>	<b>\$137,175.00</b>
				<b>TOTAL OVERALL COST</b>	<b>\$409,538.00</b>

C. PHOTOGRAPHS OF EXISTING CONDITIONS

I. BEN HILL GRIFFIN PKY. – TIVOLI BERM



Missing Var. Flax Lily



Missing Plumabgo



Missing Viburnum Hedges



II. BEN HILL GRIFFIN PKY. – NORTH OF MIROMAR LAKES BLVD.



Missing "Petra" Crutons



Missing Wax Jasmine



Missing Bougainvillea



III. BEN HILL GRIFFIN OKY. – MIROMAR LAKES BLVD. TO F.G.C.U. LAKE PKY.



Missing "Nora Grant" Xora



Missing SOD Strip at Side Walk



Missing Crape Myrtle Trees



Re-Stake Crape Myrtle Tree



IV. BILL HILL GRIFFIN PKY. – F.G.C.U. LAKE PKY. – SOUTH TOWARDS PORTO ROMANO BILL



Missing Ligustrum Trees



Missing Ruellia Plants



Replace Live Oak Tree



V. BEN HILL GRIFFIN PKY. – PORTO ROMANO BERM



Re-Stake Pigeon Plum Tree



Replace Gumbo Limbo Tree



Replace Pink Tabebuia Tree



Ficus Tree - Needs Soil



VI. BEN HILL GRIFFIN PKY. – SAN MARINO BERM



Missing Cocoplum



Missing Pigeon Plum Tree



Missing Hibiscus



Missing Viburnum Hedges



VII. F.G.C.U. – LAKE BERM



Damage Coconut Palm



Uproot Ficus Tree - Replace



Re-Stake Ficus Tree



Missing Slash Pines



VIII. EAST LAKE PENINSULA BERM



Missing Wax Jasmine



Debris to be Cleaned Up



Missing Ficus Tree



Missing Viburnum Hedges



IX. I-75 BERM



Missing Ficus Tree



Uprooted Ficus Tree - Needs Soil



Missing Ficus Tree



Damaged Silk Floss - Replace



# SOLITUDE

LAKE MANAGEMENT



## Miromar Lakes CDD Waterway Inspection Report

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**Reason for Inspection:** Routine Scheduled

**Inspection Date:** 2023-04-19

**Prepared for:**

**Miromar Lakes CDD  
10160 Miromar Lakes Blvd.  
Fort Myers, Florida 33913**

**Prepared by:**

Bailey Hill, Aquatic Specialist

FORT MYERS FIELD OFFICE  
SOLITUDELAKEMANAGEMENT.COM  
888.480.LAKE (5253)

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Site: 1A

Comments:

Site looks good

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 1B

Comments:

Requires attention

Treat for torpedogras and annual weeds. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 1C

Comments:

Site looks good

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific



## Site: 2A

### Comments:

Normal growth observed  
Shoreline is well maintained. Spot treat minimal torpedograss. Treatment for bulrush was effective. Algae and submersed vegetation are at controlled levels.



### Action Required:

Routine maintenance next visit

### Target:

Torpedograss

## Site: 3A

### Comments:

Treatment in progress  
Treatment for shoreline weeds is in progress. Algae and submersed vegetation are at controlled levels.



### Action Required:

Re-inspect next visit

### Target:

Shoreline weeds

## Site: 3B

### Comments:

Normal growth observed  
Shoreline is well maintained. Spot treat torpedograss in littorals. Algae and submersed vegetation are at controlled levels.



### Action Required:

Routine maintenance next visit

### Target:

Submersed vegetation



Site: 3C

Comments:

Requires attention  
Spot treat pennywort and torpedograss within the littorals. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6A

Comments:

Normal growth observed  
Shoreline is well maintained. Spot treat for minimal vines. Algae and submersed vegetation are at controlled levels. Minimal algae noted, monitor and treat as needed.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6B

Comments:

Treatment in progress  
Treatment for torpedograss is in progress. Continue to treat as needed. Algae and submersed vegetation are at controlled levels.



Action Required:

Re-inspect next visit

Target:

Torpedograss



Site: 6C

Comments:

Treatment in progress  
Treatment for torpedograss is in progress. Continue to treat as needed. Algae and submersed vegetation are at controlled levels



Action Required:

Routine maintenance next visit

Target:

Torpedograss

Site: 6D

Comments:

Requires attention  
Spot treat for torpedograss and annuals in littorals. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6E

Comments:

Normal growth observed  
Spot treat for dog fennel and annuals in littorals. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 6F

**Comments:**

Requires attention

Spot treat for pennywort and torpedograss in littorals. Algae and submersed vegetation are at controlled levels.

**Action Required:**

Routine maintenance next visit

**Target:**

Shoreline weeds



Site: 6G

**Comments:**

Requires attention

Spot treat for vines and torpedograss in littorals. Algae and submersed vegetation are at controlled levels. Minimal algae noted, treat as needed.

**Action Required:**

Routine maintenance next visit

**Target:**

Shoreline weeds



Site: 6H

**Comments:**

Treatment in progress

Treatment for torpedograss is in progress. Continue to treat torpedograss on the north side of the lake. Algae and submersed vegetation are at controlled levels.

**Action Required:**

Routine maintenance next visit

**Target:**

Torpedograss





Site: 6I

Comments:

Normal growth observed

Shoreline is well maintained. Spot treat for pennywort. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Pennywort



Site: 6J

Comments:

Normal growth observed

Shoreline is well maintained. Spot treat minimal torpedograss. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 6K

Comments:

Normal growth observed

Shoreline is well maintained. Spot treat minimal torpedograss. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Torpedograss





Site: 6L

**Comments:**

Normal growth observed

Shoreline is well maintained. Spot treat minimal torpedograss on the west side. Algae and submersed vegetation are at controlled levels.

**Action Required:**

Routine maintenance next visit

**Target:**

Torpedograss



Site: 6M

**Comments:**

Normal growth observed

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels. Marine naiad appears to be dying off, monitor and treat as needed.

**Action Required:**

Routine maintenance next visit

**Target:**

Submersed vegetation



Site: 6N

**Comments:**

Normal growth observed

Shoreline is well maintained. Spot treat minimal torpedograss. Algae and submersed vegetation are at controlled levels.

**Action Required:**

Routine maintenance next visit

**Target:**

Torpedograss





## Site: 6O

### Comments:

Treatment in progress

Treatment in progress for torpedograss, annuals and vines. Algae and submersed vegetation are at controlled levels.

### Action Required:

Routine maintenance next visit

### Target:

Shoreline weeds



## Site: 6P

### Comments:

Normal growth observed

Shoreline is well maintained. Spot treat minimal pennywort and alligator weed. Algae and submersed vegetation are at controlled levels.

### Action Required:

Routine maintenance next visit

### Target:

Shoreline weeds



## Site: 6R

### Comments:

Requires attention

Spot treat for pennywort, torpedograss and vines. Algae and submersed vegetation are at controlled levels.

### Action Required:

Routine maintenance next visit

### Target:

Shoreline weeds





Site: 5/6-1

**Comments:**

Normal growth observed

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels. Vallisneria and southern naiad observed, monitor and treat as needed

**Action Required:**

Routine maintenance next visit

**Target:**

Submersed vegetation



Site: 5/6-2

**Comments:**

Normal growth observed

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels. Vallisneria and southern naiad observed, monitor and treat as needed

**Action Required:**

Routine maintenance next visit

**Target:**

Submersed vegetation



Site: 5/6-3

**Comments:**

Normal growth observed

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels. Vallisneria and southern naiad observed, monitor and treat as needed

**Action Required:**

Routine maintenance next visit

**Target:**

Submersed vegetation



Site: 5/6-4

### Comments:

Normal growth observed

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels. Vallisneria and southern naiad observed, monitor and treat as needed.

### Action Required:

Routine maintenance next vis



### Target:

Submersed vegetation

## Management Summary

### Observations and Action Items:

- The main issues found during the inspection were the growth of shoreline weeds. Targets include: torpedograss, vines, annual weeds and pennywort. Sites with shoreline weeds will be prioritized during the next few visits. The shoreline buffer around the golf course lakes may be unintentionally contributing to the weed growth since the buffer can act as a seed source and it is in close proximity to the lake littoral plants. The buffer can help reduce fertilizer entering the ponds and help mitigate erosion but can exacerbate weed growth in beneficial littorals. The majority of the weed issues were noted on the lakes on the golf course.
- No major algae blooms were observed during this inspection.
- Midge flies were treated along Portofino and Peninsula shoreline
- The next quality control report will be due July 2023.

Site	Comments	Target	Action Required
1A	Site looks good	Species non-specific	Routine maintenance next visit
1B	Requires attention	Shoreline weeds	Routine maintenance next visit
1C	Site looks good	Species non-specific	Routine maintenance next visit
2A	Normal growth observed	Torpedograss	Routine maintenance next visit
3A	Treatment in progress	Shoreline weeds	Re-inspect next visit
3B	Normal growth observed	Submersed vegetation	Routine maintenance next visit
3C	Requires attention	Shoreline weeds	Routine maintenance next visit
6A	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6B	Treatment in progress	Torpedograss	Re-inspect next visit
6C	Treatment in progress	Torpedograss	Routine maintenance next visit
6D	Requires attention	Shoreline weeds	Routine maintenance next visit
6E	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6F	Requires attention	Shoreline weeds	Routine maintenance next visit
6G	Requires attention	Shoreline weeds	Routine maintenance next visit
6H	Treatment in progress	Torpedograss	Routine maintenance next visit
6I	Normal growth observed	Pennywort	Routine maintenance next visit
6J	Normal growth observed	Torpedograss	Routine maintenance next visit
6K	Normal growth observed	Torpedograss	Routine maintenance next visit
6L	Normal growth observed	Torpedograss	Routine maintenance next visit
6M	Normal growth observed	Submersed vegetation	Routine maintenance next visit
6N	Normal growth observed	Torpedograss	Routine maintenance next visit
6O	Treatment in progress	Shoreline weeds	Routine maintenance next visit
6P	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6R	Requires attention	Shoreline weeds	Routine maintenance next visit
5/6-1	Normal growth observed	Submersed vegetation	Routine maintenance next visit
5/6-2	Normal growth observed	Submersed vegetation	Routine maintenance next visit
5/6-3	Normal growth observed	Submersed vegetation	Routine maintenance next visit
5/6-4	Normal growth observed	Submersed vegetation	Routine maintenance next visit









Our ref: 11225022-08

April 28, 2023

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

### Miromar Lakes Water Quality Sampling Report – March 2023

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 – March 2023

The March 2023 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, and one (1) location (WQ #5) near 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 **Table 1**.

Samples from WQL #1 through #4 and #6 are collected using direct grab sampling methods. The sample from WQL #5 is collected using the direct-dip sampling method with an extendable dipper. 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 analyses are conducted for 5-day biochemical oxygen demand (BOD5), total suspended solids (TSS), total nitrogen, nitrogen speciation (ammonia, total Kjeldahl nitrogen [TKN], and nitrate + nitrite), total phosphorus, ortho phosphorus (lab filtered), and chlorophyll-a.



All samples collected during the March 2023 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 Reports**.

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 that 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 that 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 November 2022 and the recent sampling event conducted on March 27, 2023:

- BOD5 levels remained consistent and low. The BOD5 concentration at all sampling locations was below the method detection limit ([MDL], noted by an “U” following the result) except for at WQL #5, where BOD was detected between its MDL and practical quantitation limit ([PQL], noted by an “I” following the result);
- The chlorophyll-a concentration decreased at WQL #1, #2, and #3, slightly decreased at WQL #4 and #6, and increased at WQL #5. No location revealed chlorophyll-a results in exceedance of the action limit;
- Dissolved oxygen (milligrams per liter [mg/L] and %) trends have historically varied but remain relatively consistent when compared to the previous sampling event, except for at WQL #3, where it decreased. The dissolved oxygen content is relatively consistent with historical trends for April in previous years;
- The concentration of TKN and total nitrogen slightly decreased at WQL #1, #2, and #3, remained relatively consistent WQL #6, slightly increased at WQL #4, and increased at WQL #5;
- The concentration of total phosphorus slightly increased at all sampling locations, except for at WQL #2, where it remained relatively consistent. The total phosphorus concentration at all sampling locations was detected between the MDL and the PQL, except for WQL #4, where it was detected at 0.035 mg/L;
- The concentration of ortho phosphorus slightly increased at all sampling locations;
- The turbidity slightly increased at all locations, whereas total suspended solids decreased;
- The conductivity slightly increased at all locations;
- The pH increased at all locations, except for WQL #5, where it decreased; and
- The temperature remained relatively consistent at all sampling locations.

Based on historical data, it appears the concentration of BOD tends to be elevated during April/May. While the BOD has historically fluctuated, including detections above the action level (2 mg/L), the BOD generally does not remain above its action level for more than one monitoring event. The last action level exceedance for BOD was observed in May 2020 at WQL #5. This month, the concentration of BOD at all sample locations was low, far below the action level, and stable (except for WQL #5, which slightly increased). During the months of April/May, the lake maintenance contractor may need to inspect the lakes more often for evidence of potential algal blooms and treat as needed.

The concentrations of chlorophyll-a were below the action level of 20 milligrams per meter cubed (mg/m<sup>3</sup>) at all sampling locations. The concentration at WQL #5 nears the action level but remains below at 19.5 mg/m<sup>3</sup>. Chlorophyll-a concentrations were closely monitored due to an overall increasing trend observed and WQL #1, #2, and #3 nearing the action level during the previous November 2022 sampling event. All sampling locations except for WQL #5 are now far below the action level, and are consistent with historical results for April. A cyclic trend for chlorophyll-a concentrations is observed at WQL #5. Generally, it appears that there are relatively high chlorophyll-a concentrations within WQL #5 during the warmer months (March through August), and low concentrations in the colder months (September through February). Chlorophyll-a concentrations at WQL #5 will be closely monitored during the next sampling event to delineate and confirm the observed cyclic trend.

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 a relatively consistent trend of dissolved oxygen percent for the most recent March 2023 sampling event when compared to recent sampling events, except for WQL #3, where the DO decreased from 96.4% to 68.2%. The dissolved oxygen concentration typically fluctuates throughout the year with apparent lows during the latter part of the year (September through December). The results from the March 2023 sampling event are consistent with historical results for March. Based on historical trends, GHD recommends the District notify their lake maintenance contractor to continue to watch for evidence of algal blooms during the September to December months.

The concentration of total nitrogen has fluctuated in the past. For the March 2023 sampling event, total nitrogen slightly decreased at WQL #1, #2, and #3, remained relatively consistent at WQL #6, slightly increased at WQL #4, and increased at WQL #5. All locations remain below the action level defined for total nitrogen (1.25 mg/L) and are consistent with historical results.

During the March 2023 monitoring event, the concentrations of total phosphorus slightly increased at all sampling locations, except for at WQL #2, where it remained relatively consistent. The concentration of ortho phosphorus slightly increased at all sampling locations. Results for both constituents are consistent with historical levels and below the action limits, defined as 0.05 mg/L.

While turbidity has fluctuated in the past, the turbidity observed at the sampling locations remains low and consistent with historical levels. The turbidity at all locations slightly increased when compared to the previous sampling event and remains well below the action level, defined as 32 NTU for the parameter.

While the concentration of total suspended solids (TSS) has fluctuated, it generally remains below the action level of 8 mg/L. The results from March 2023 sampling event revealed a decrease in TSS at all sampling locations since the previous sampling event and all locations remain far below the action level.

The conductivity at all monitoring locations during the March 2023 sampling event has slightly increased when compared to the previous sampling event. Results remain consistent with historical levels for conductivity. Increases in conductivity may continue to be seen as a residual effect of Hurricane Ian, due to the restratification of previously settled sediment releasing previously fixed particles into the water column. Conductivity levels between locations remain similar to each other, with the exception of WQL #5, which is higher. The WQL #5 is at the weir of Lake 3 on the golf course, whereas the other sampling locations are from Lake 6 in the residential development area. Therefore, the variation from WQL #5 to the other locations is expected. WQL #5 has had consistently higher levels of conductivity than other monitoring locations since the beginning of sampling the location in August 2016, save two (2) sampling events.

The average pH across all water quality locations was calculated to be 8.22, consistent with the previous sampling event, ranging between 7.95 at WQL #1 to 8.42 at WQL #4. All sampling locations displayed an

increasing trend in pH when compared to the previous sampling event. The pH at all sampling locations is below the upper action limit of 8.5 SU. The pH at WQL #4 is approaching the upper action limit but remains under at 8.42. pH was closely monitored at all locations due an increasing trend noted over four (4) previous sampling events from August 2021 until August 2022. The pH across all locations has historically fluctuated and is dependent on many factors. A cyclic increasing and decreasing trend in pH is observed since the beginning of sampling records in April 2016. The lowest pHs across all locations appear to occur towards the end of the year (October to December), whereas the highest appear to occur between April and June. pH will continue to be be closely monitored in order to confirm this observed cyclic trend.

The total water depth data recorded in the field sheets was omitted from the trend graphs for the November 2022 sampling event due to the fact that the sampling event took place on a windy day, resulting in a relatively strong current in the lake. Thus, the weight attached to the end of the water level measuring device was being pulled before it could reach the bottom of the lake, causing skewed results. The total water depth was able to be recorded for the current March 2023 sampling event, (except for at WQL #5, which was taken via dipper from the bank of the lake), and results are compared to the previous August 2022 sampling event. Total water depth has historically fluctuated. The depth at all sampling locations increased, except for at WQL #3, where it decreased. The deepest sampling location during the March 2023 sampling event was at WQL #6 (13.0 feet) and the shallowest was at WQL #3 (2.0 feet), which is generally consistent with historical observations.

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-a, 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 below:

- Nutrient Balanced ( $10 < TN/TP < 30$ ) – WQL #1, #2, #3, #4, and #6
- Phosphorus Limited ( $TN/TP < 10$ ) – None
- Nitrogen Limited ( $TN/TP > 30$ ) – WQL #5

As can be seen above, all but one WQL (WQL #5) was found to be nutrient balanced.

A TSI value was calculated based on the TN/TP ratio for each location. A TSI 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:

WQL #1	WQL #2	WQL #3	WQL #4	WQL #5	WQL #6
43.1	42.7	42.9	44.7	51.8	42.6

### 3. Conclusions and Recommendations

Water quality conditions from the March 2023 appear to have improved since the previous November 2022 sampling event. Overall, decreasing trends were observed in chlorophyll-a, total nitrogen and TKN, and total suspended solids, and increasing trends were observed in phosphorus, ortho phosphorus, conductivity, turbidity, and pH when compared to the previous sampling event.

The pH levels at all sampling locations have increased since the previous sampling event, however, all locations remain under the defined upper limit. Continued close monitoring of the pH at all sampling locations is



recommended due to the fact that pH is a vital parameter for algal growth within freshwater bodies. Cyanobacteria (blue-green algae) prefers basic water (between a pH of 7.5 and 10 SU).

The chlorophyll-a concentration at all sampling locations either decreased or remained consistent since the previous sampling event, except for WQL #5, which nears the action level. GHD will continue to monitor the sampling locations closely, especially at WQL #5, in order to ensure levels remain under the action level and to define and confirm the cyclic pattern observed of the concentration rising during the warmer months before dropping in the colder months. Chlorophyll-a was closely monitored following the November 2022 sampling event due to three (3) sampling locations displaying results which significantly increased and neared the action level. GHD confirms that this spike was most likely from the restratification of previously settled sediment at the bottom of the lakes as a result of Hurricane Ian.

In correlation with the chlorophyll-a spike observed at WQL #5, a spike in total nitrogen is observed at this location as well. As seen by the TSI calculations, above, WQL #5 is nitrogen limited. Due to the fact that WQL #5 is located within the Miromar Lakes Golf Club, this spike is most likely due to applied fertilizer on the golfing greens. As both chlorophyll-a and total nitrogen remain below the action level, GHD recommends continued water quality monitoring at this time. However, if parameters continue to increase in concentration and begin to consistently exceed action levels, GHD will recommend decreasing fertilizer load.

Based on these conclusions, GHD recommends continued water quality monitoring at this time. Due to the chlorophyll-a spike observed in WQL #5, GHD recommends the District notify their lake maintenance contractor to increase visual monitoring and inspect the Miromar Lakes Golf Club lakes for evidence of potential algal blooms and treat as needed.

The next tri-annual sampling event is planned for August 2023.

Please call if you have questions or need additional information.

Regards,



**Jessica Walsh**  
Environmental Engineer  
239-944-0709  
Jessica.Walsh@ghd.com



**Lori Coolidge**  
Principal Geologist  
813-476-9940  
Lori.Coolidge@ghd.com

Encl: Attachments: Laboratory Data Compliance Memo  
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# Laboratory Data Compliance Memo



# Technical Memorandum

April 26, 2023

<b>To</b>	Mr. Bruce Bernard Manager of Field Operations Calvin, Giordano & Associates, Inc. 1800 Eller Drive, Suite 600 Fort Lauderdale, FL 33316	<b>Tel</b>	716.205.1977
<b>From</b>	Sheri Finn/eew/22	<b>Ref. No.</b>	11225022
<b>Subject</b>	Analytical Results Compliance Report Surface Water Quality Monitoring Miromar Lakes Fort Myers, Florida March 2023		

## 1. Compliance Review

Samples were collected in March 2023 in support of the Miromar Lakes 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.

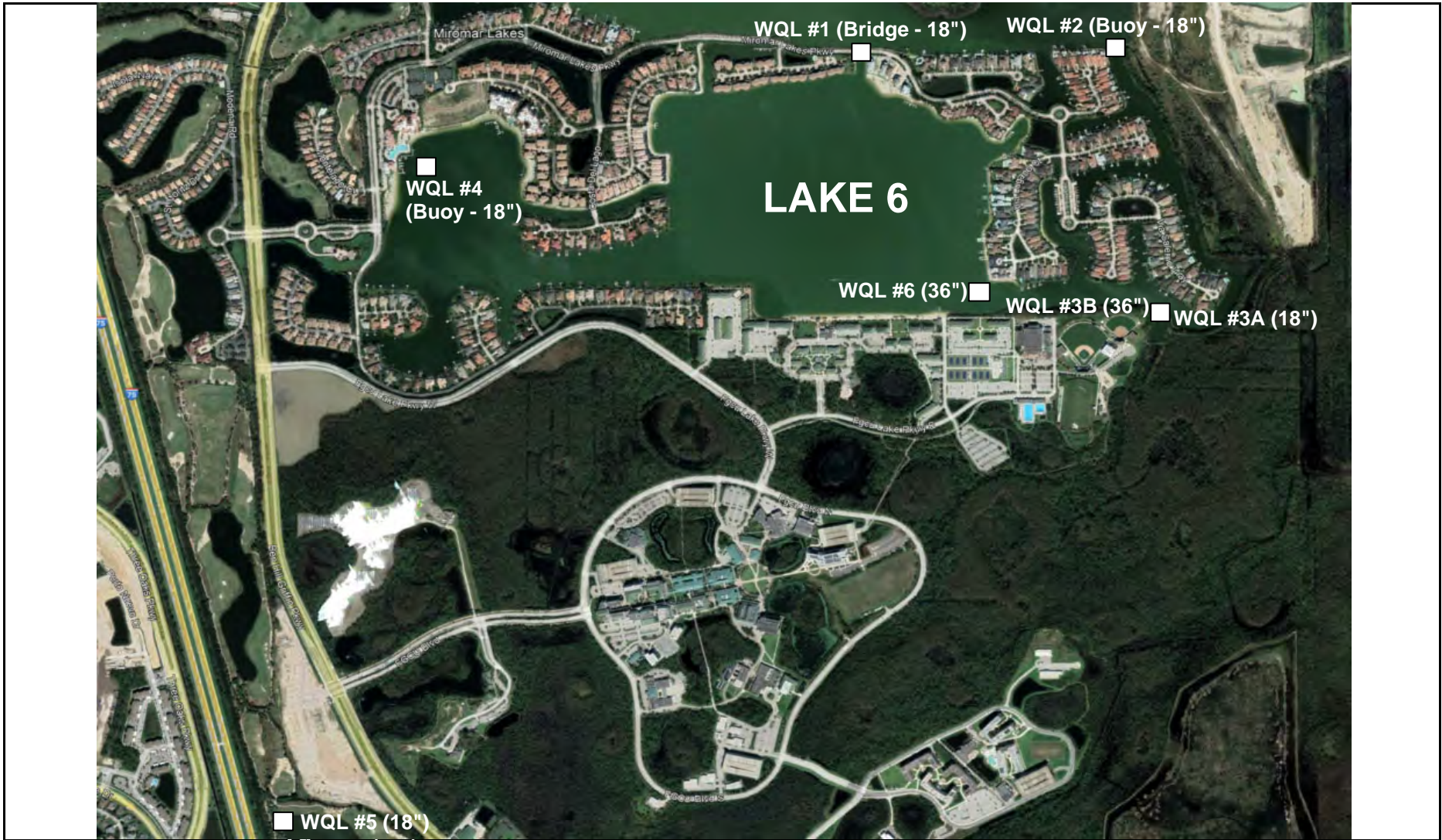
Based on this compliance review, the results in Table 1 are acceptable for use.

Regards

**Sheri Finn**  
Analyst



Figure



Tri-Annual Water Quality Sampling Report  
 Lakes 3 and 6 - Miromar Lakes  
 Fort Myers, Lee County, Florida

11225022-08

March 2023

**Sampling Location Map**

**Figure 1**

# Table



Table 1

Analytical Results Summary  
 Surface Water Quality Monitoring  
 Miromar Lakes, Fort Myers, Florida  
 March 2023

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	11/28/2022	03/27/2023
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	8	8
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	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	337	356.9
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	7.43	7.70
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	90.1	93.4
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	7.77	7.95
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	25.3	25.2
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	1.48	2.94
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	NS	NS
Wet Parameters																							
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	0.008 U	0.008 U
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	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	0.689	0.712
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	0.630	0.689	0.712
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	0.187	0.024
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	0.007 I	0.023
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	0.018 I	0.031 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	17.3	4.68
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	3.90	2.35
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	1 U	1 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	11/28/2022	03/27/2023
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	15	11
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	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	339	359.5
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	7.36	6.88
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	89.6	89.4
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	7.97	8.26
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	25.6	25.3
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	1.13	3.14
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	NS	NS
Wet Parameters																							
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	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	NA	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	0.704	0.610
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	0.717	0.632
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	0.013 I	0.022 I
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	0.005 I	0.016
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	0.031 I	0.028 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	17.7	5.26
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	4.50	2.04 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	1 U	1 U

**Table 1**  
**Analytical Results Summary**  
**Surface Water Quality Monitoring**  
**Miromar Lakes, Fort Myers, Florida**  
**March 2023**

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	11/28/2022	03/27/2023
<b>Field Parameters</b>	<b>Units</b>																						
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	4	2
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	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	330	344.4
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	8.25	5.53
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	96.4	68.2
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	8.07	8.24
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	25.8	25.5
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	1.32	2.45
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	NS	NS
<b>Wet Parameters</b>	<b>Units</b>																						
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	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	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	0.694	0.558
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	0.710	0.570
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	0.016 I	0.012 I
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	0.013	0.024
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	0.013 I	0.025 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	15.4	6.22
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	5.00	3.27
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	1 U	1 U

Sample Location/Sample ID:		WQ Location #3B / WQL3B										WQ Location #6 / 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	11/28/2022	03/27/2023
<b>Field Parameters</b>	<b>Units</b>																						
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	19	13
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	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	324	346.1
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	7.88	7.79
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	96.1	94.4
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	8.12	8.26
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	25.5	25.1
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	1.38	2.50
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	NS	NS
<b>Wet Parameters</b>	<b>Units</b>																						
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	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	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	0.656	0.658
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	0.678	0.670
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	0.022 I	0.012 I
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	0.002 U	0.015
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	0.008 U	0.023 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	8.09	5.68
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	4.60	2.63
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	1 U	1 U

Table 1

Analytical Results Summary  
Surface Water Quality Monitoring  
Miromar Lakes, Fort Myers, Florida  
March 2023

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	11/28/2022	03/27/2023
<b>Field Parameters</b>	<b>Units</b>																						
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	NS	12
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	1.5	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	317	342.1
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	7.96	8.19
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	94.8	98.6
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	7.94	8.42
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	24	24.2
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	0.98	3.95
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	NS	NS
<b>Wet Parameters</b>	<b>Units</b>																						
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	0.008 U	0.008 U
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	NA	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	0.579	0.743
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	0.596	0.764
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	0.016 I	0.185	0.017 I	0.021 I	
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	0.002 I	0.020
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	0.018 I	0.035
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	6.85	5.24
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	5.40	2.55
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	1 U	1 U

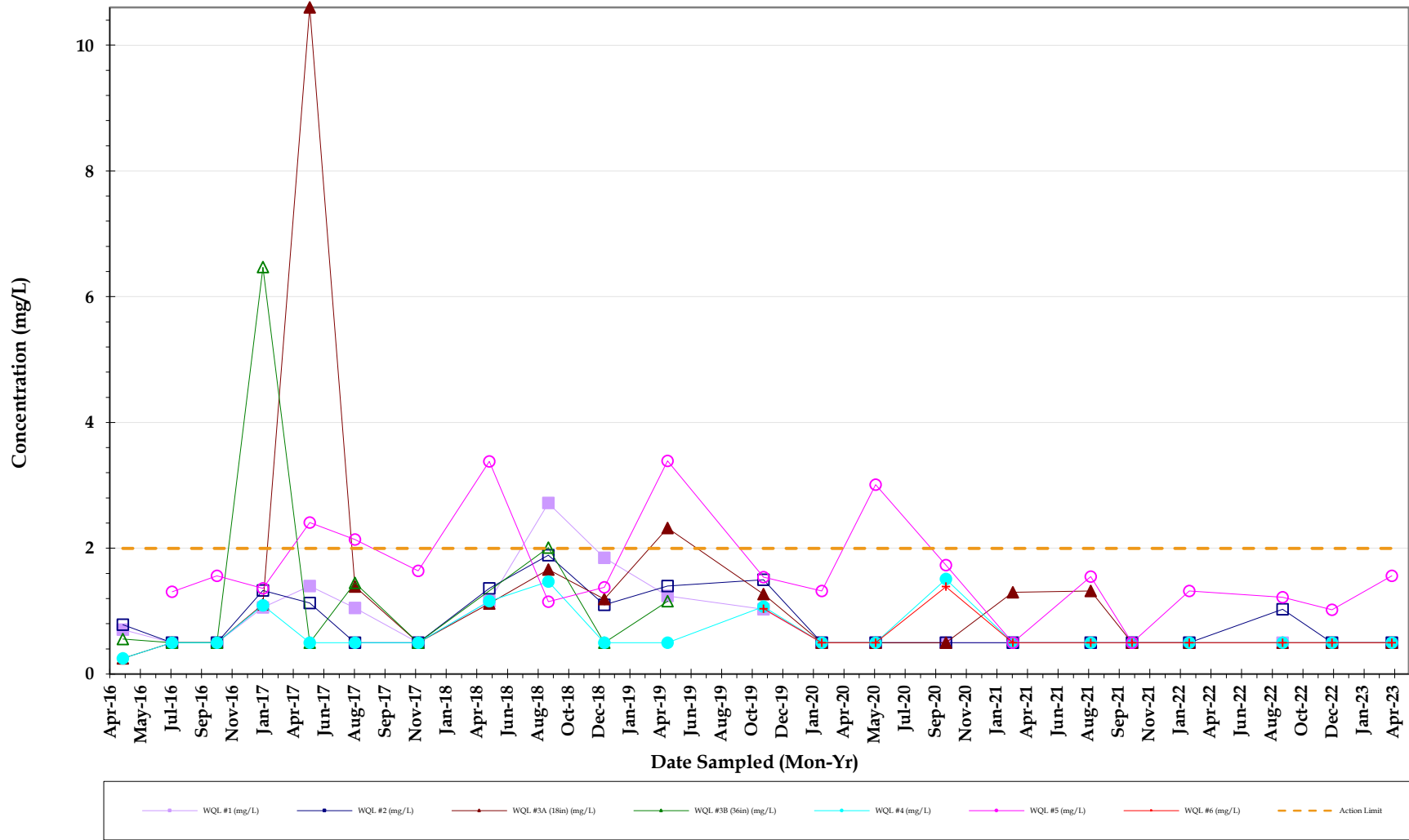
  

Sample Location/Sample ID:		WQ Location #5 / WQL5																					
Sample Date:		04/27/16	08/03/16	10/31/16	01/31/17	05/04/17	08/02/17	12/06/17	04/26/18	08/22/18	12/11/18	04/16/19	10/24/2019	2/17/2020	06/03/2020	10/21/2020	03/03/2021	08/05/2021	10/26/2021	02/17/2022	08/22/2022	11/28/2022	03/27/2023
<b>Field Parameters</b>	<b>Units</b>																						
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	NS	NM
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	1.5	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	429	475.8
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	7.13	6.56
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	87.4	81.8
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	8.40	8.17
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	25.7	26.3
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	1.22	2.88
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	NS	NS
<b>Wet Parameters</b>	<b>Units</b>																						
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	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	NA	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	0.717	0.982
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	0.737	1.01
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	0.020 I	0.029
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	0.011	0.026
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	0.017 I	0.030 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	10.0	19.5
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	5.40	3.00
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	1.02 I	1.56 I

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.  
 NS - Not sampled during noted event  
 I - Reported value is between method detection limit and the practical quantitation limit  
 NM - Not Measured



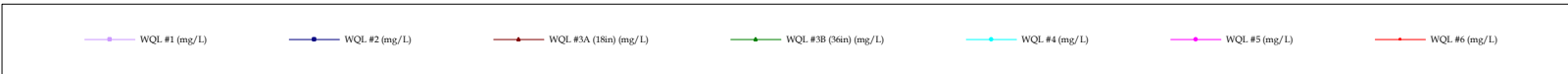
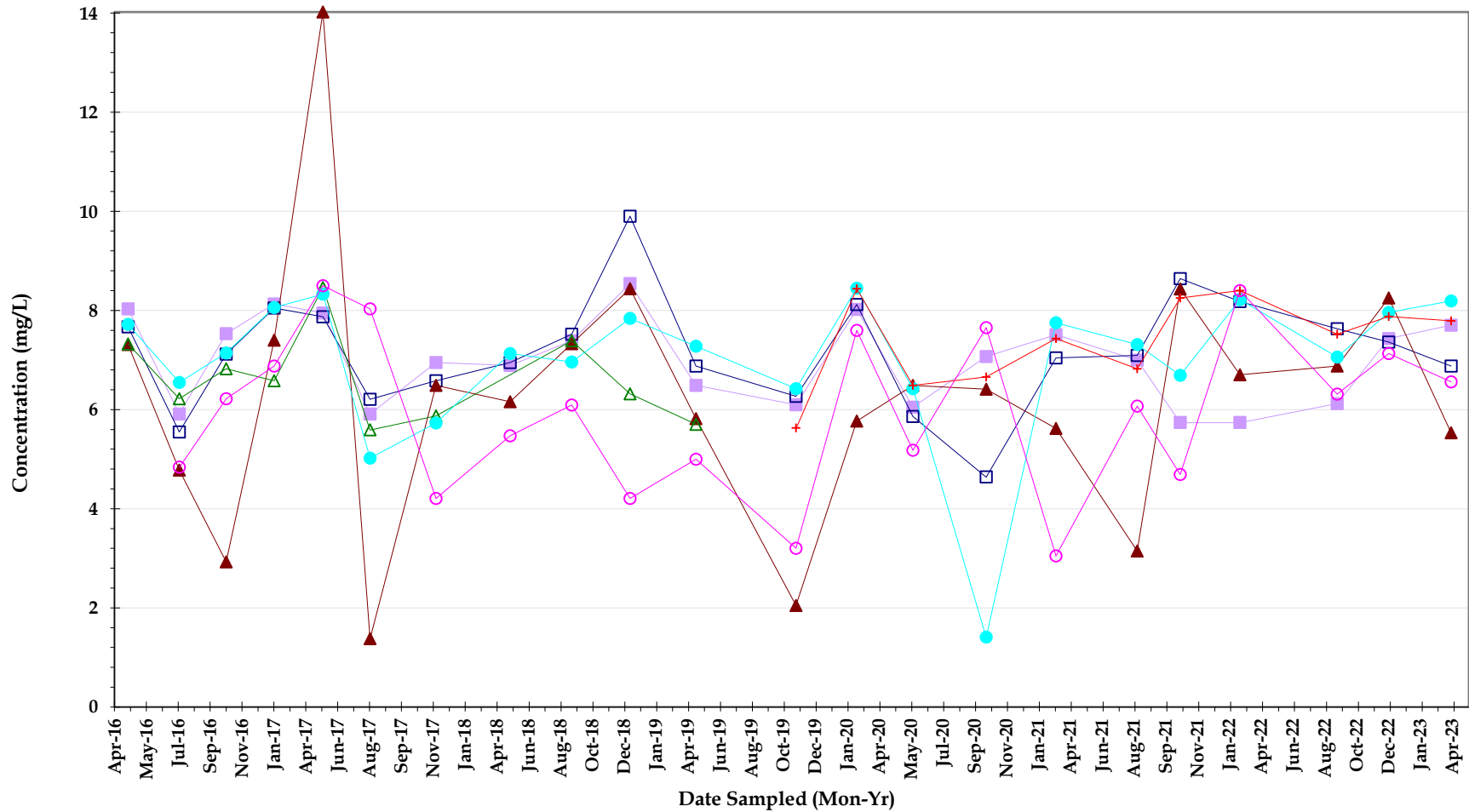
# Trend Graphs



## Biochemical Oxygen Demand



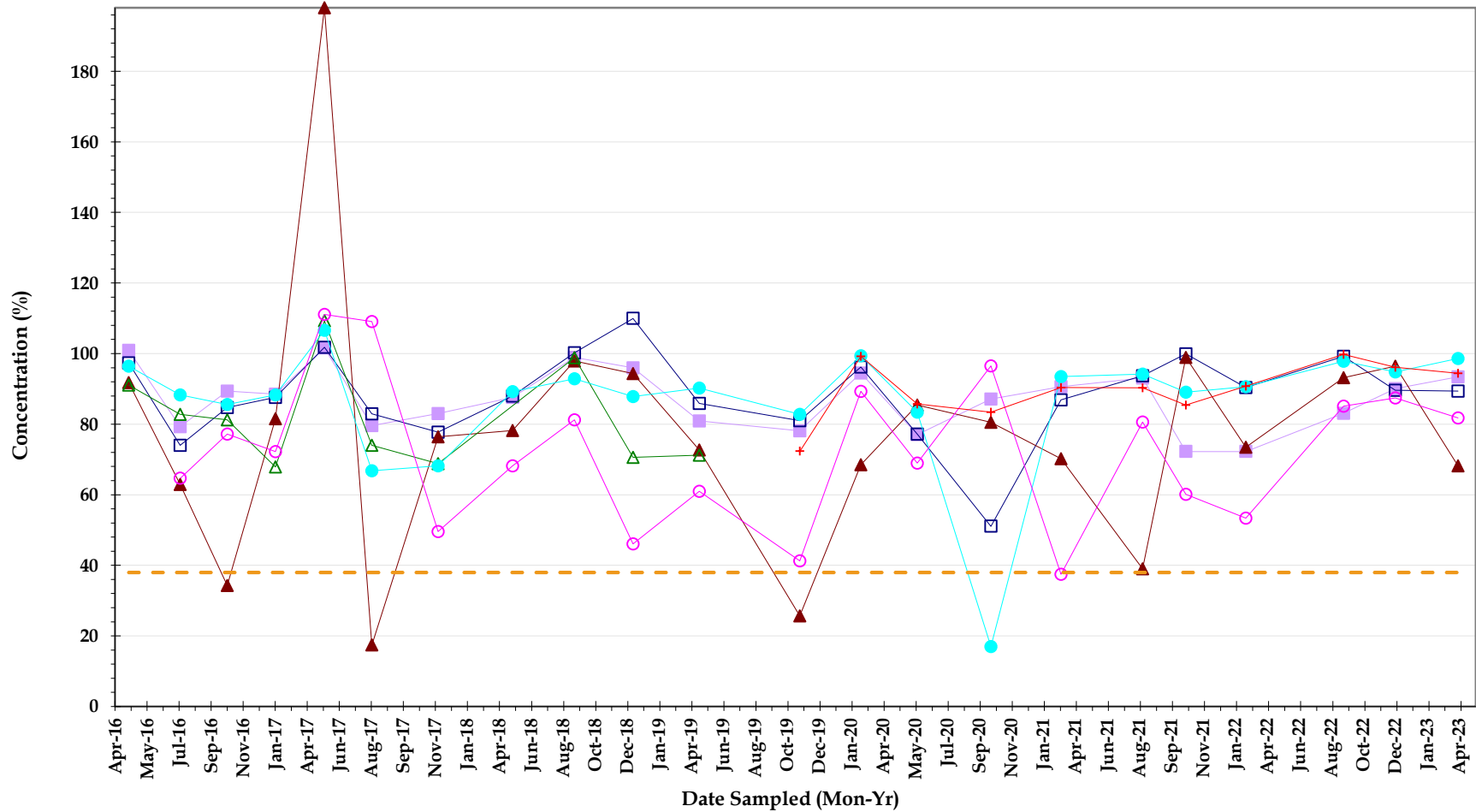
Miomar Lakes  
 Water Quality Surface Water Sample results  
 MARCH 2023



**Dissolved Oxygen (mg/L)**

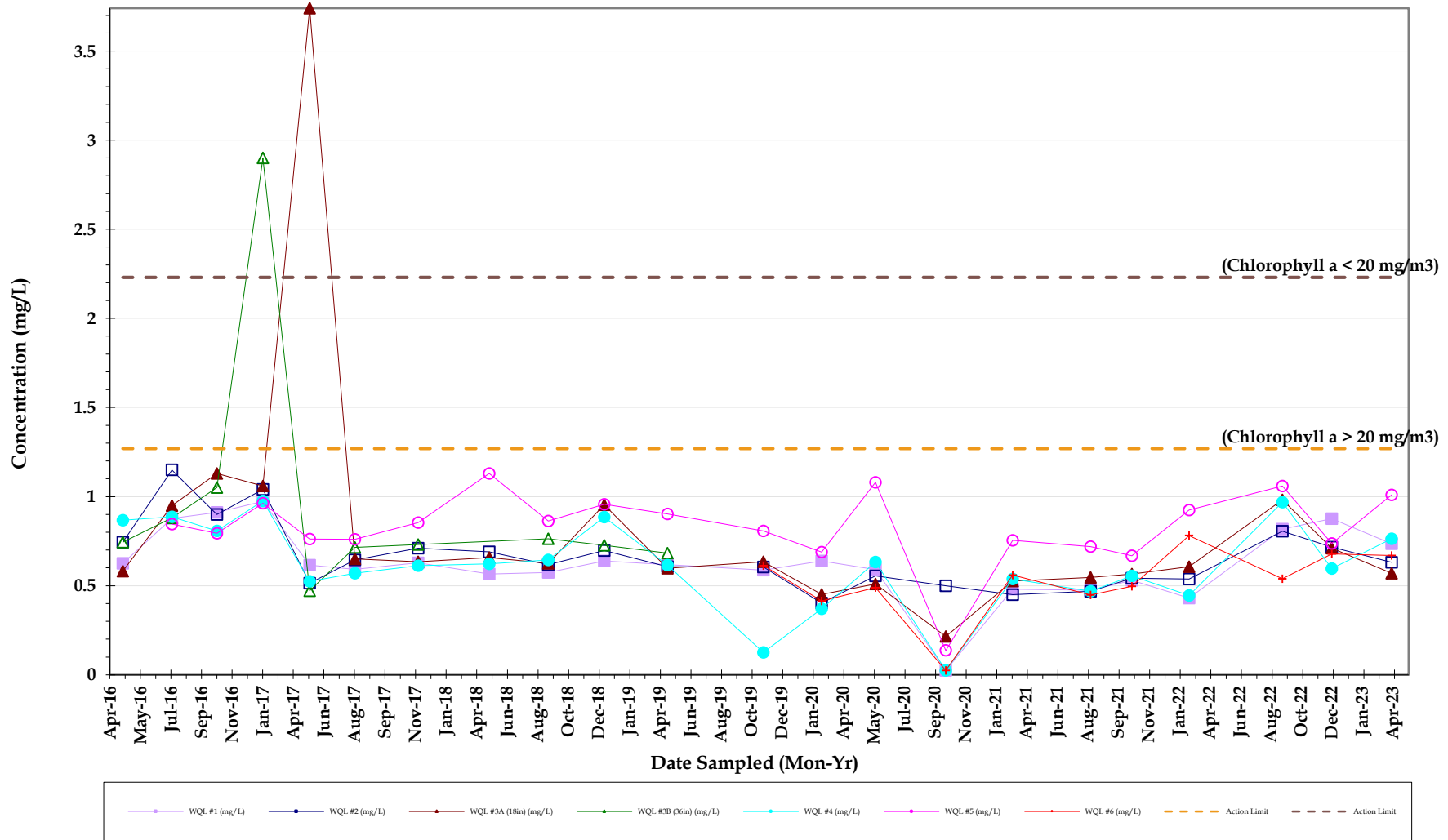
*Miromar Lakes  
Water Quality Surface Water Sample results  
MARCH 2023*





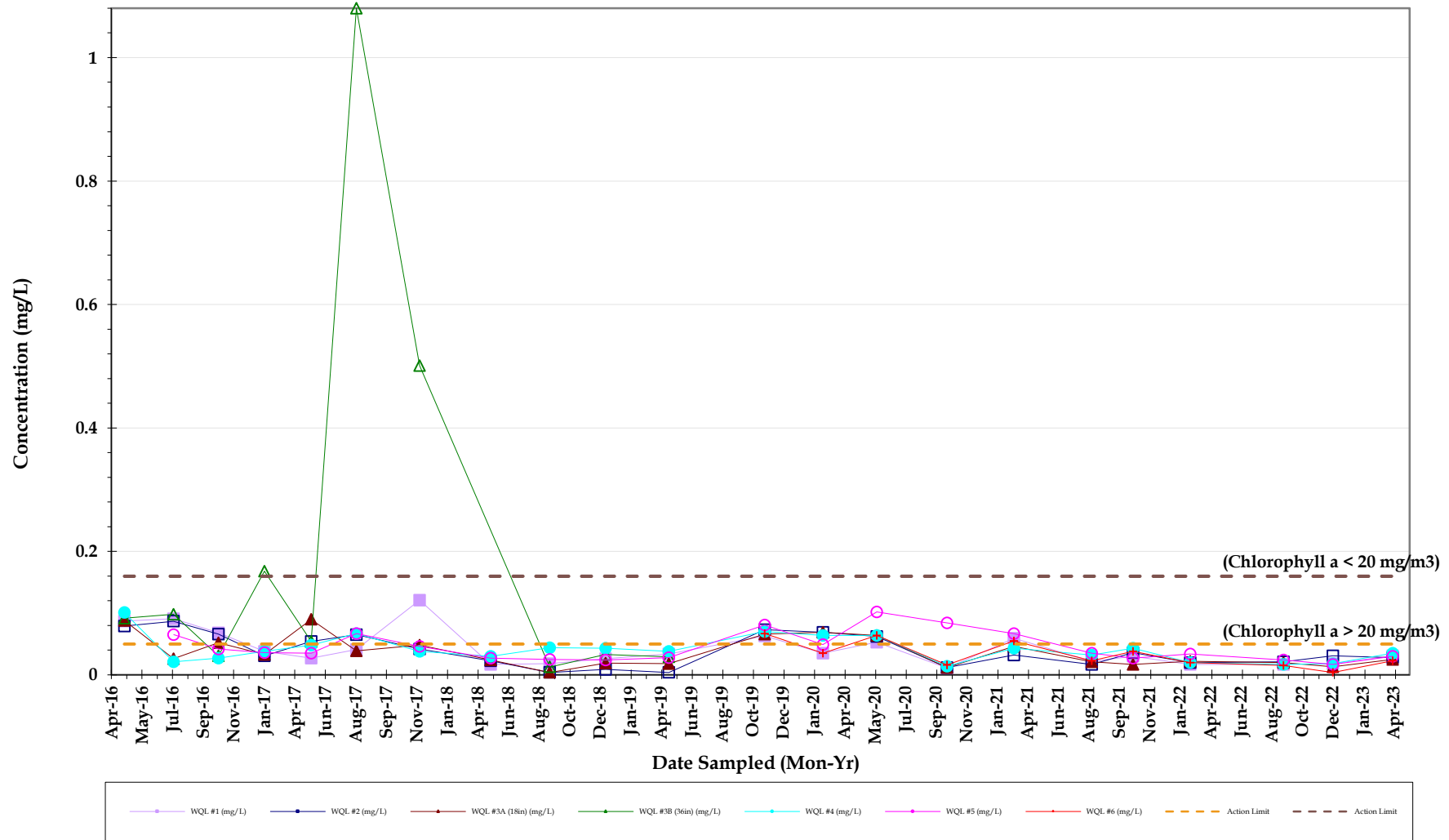
## Dissolved Oxygen (%)

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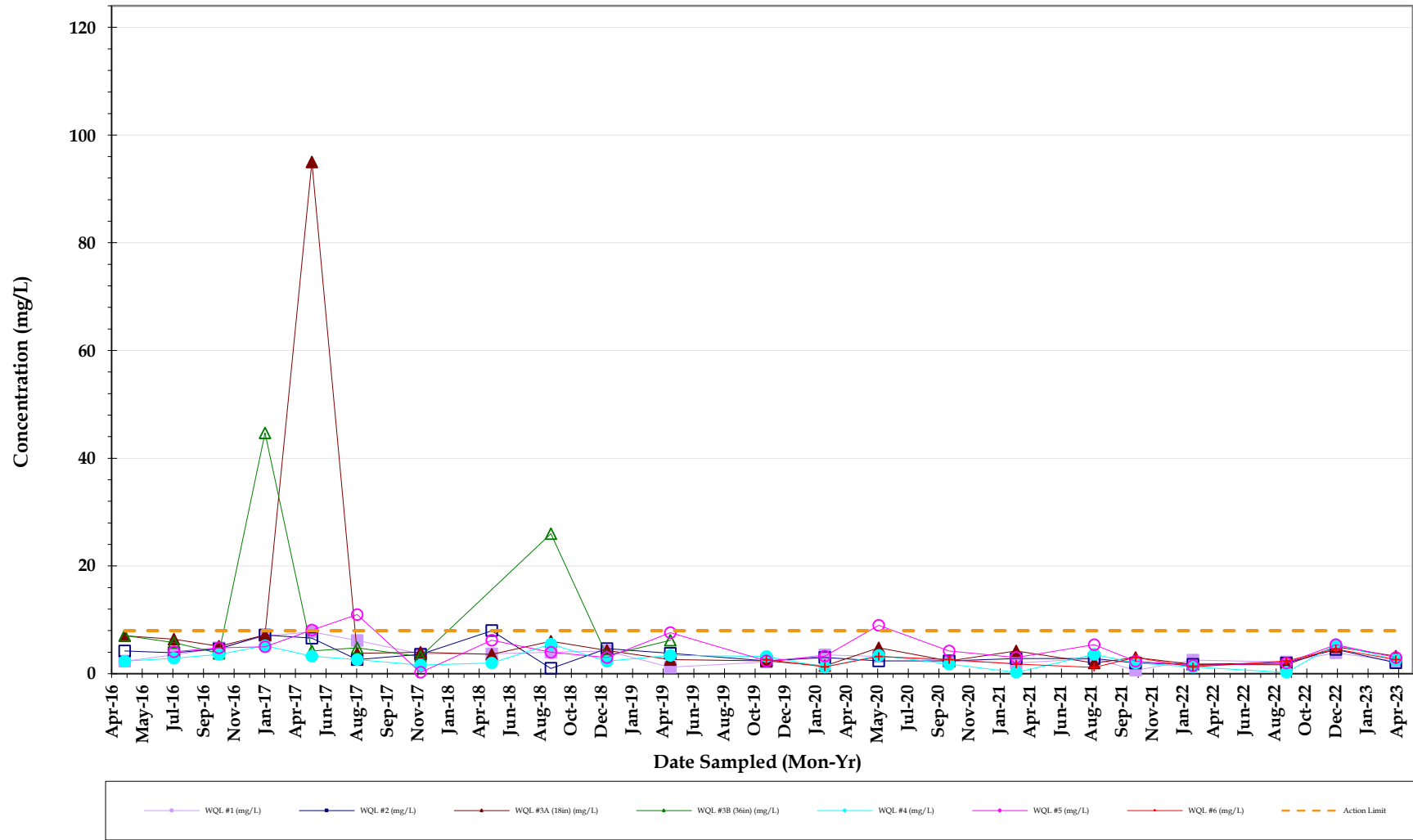
## Total Nitrogen

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## Total Phosphorus

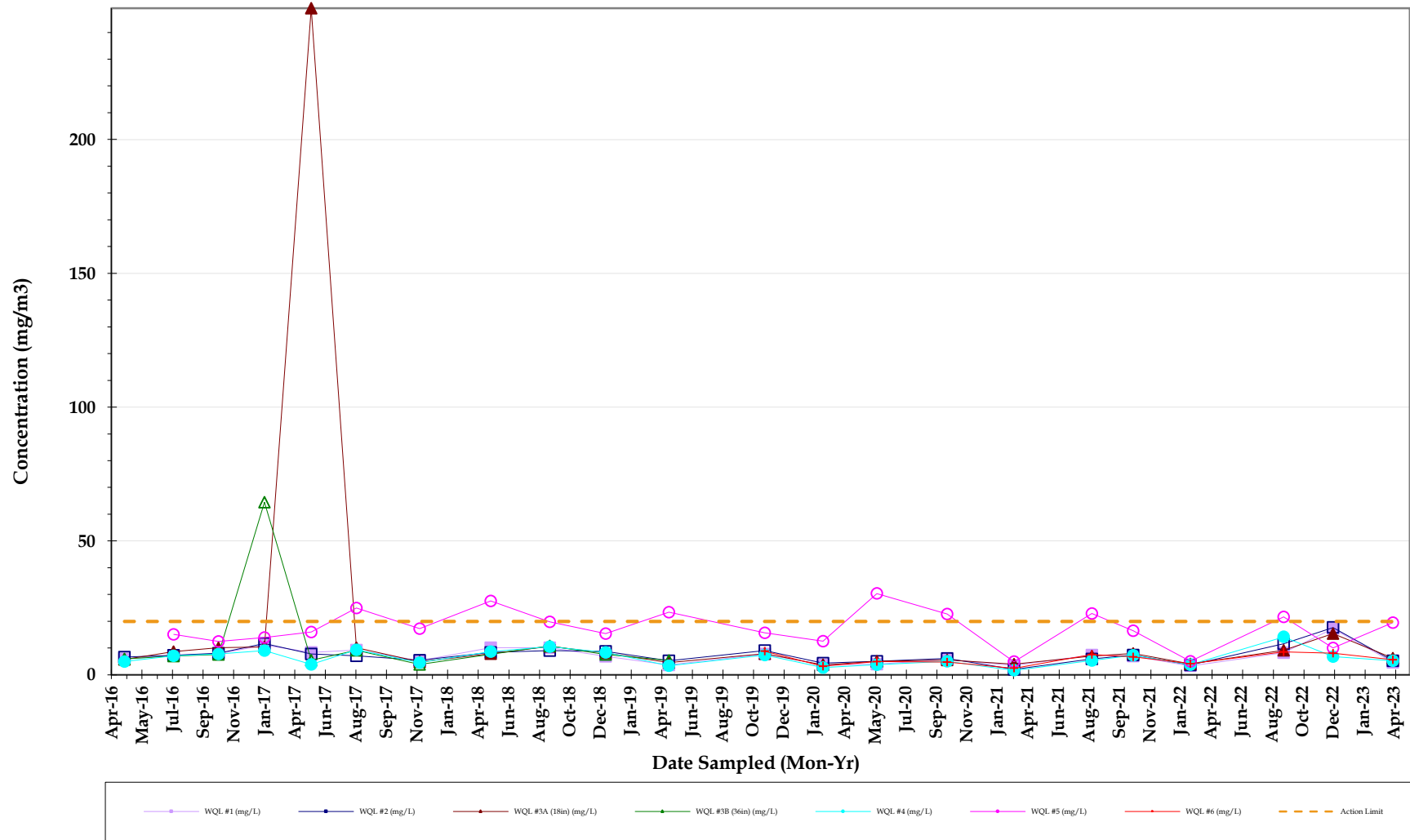
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## Total Suspended Solids

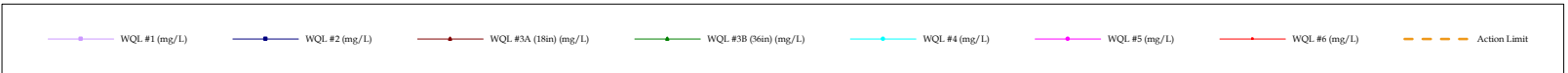
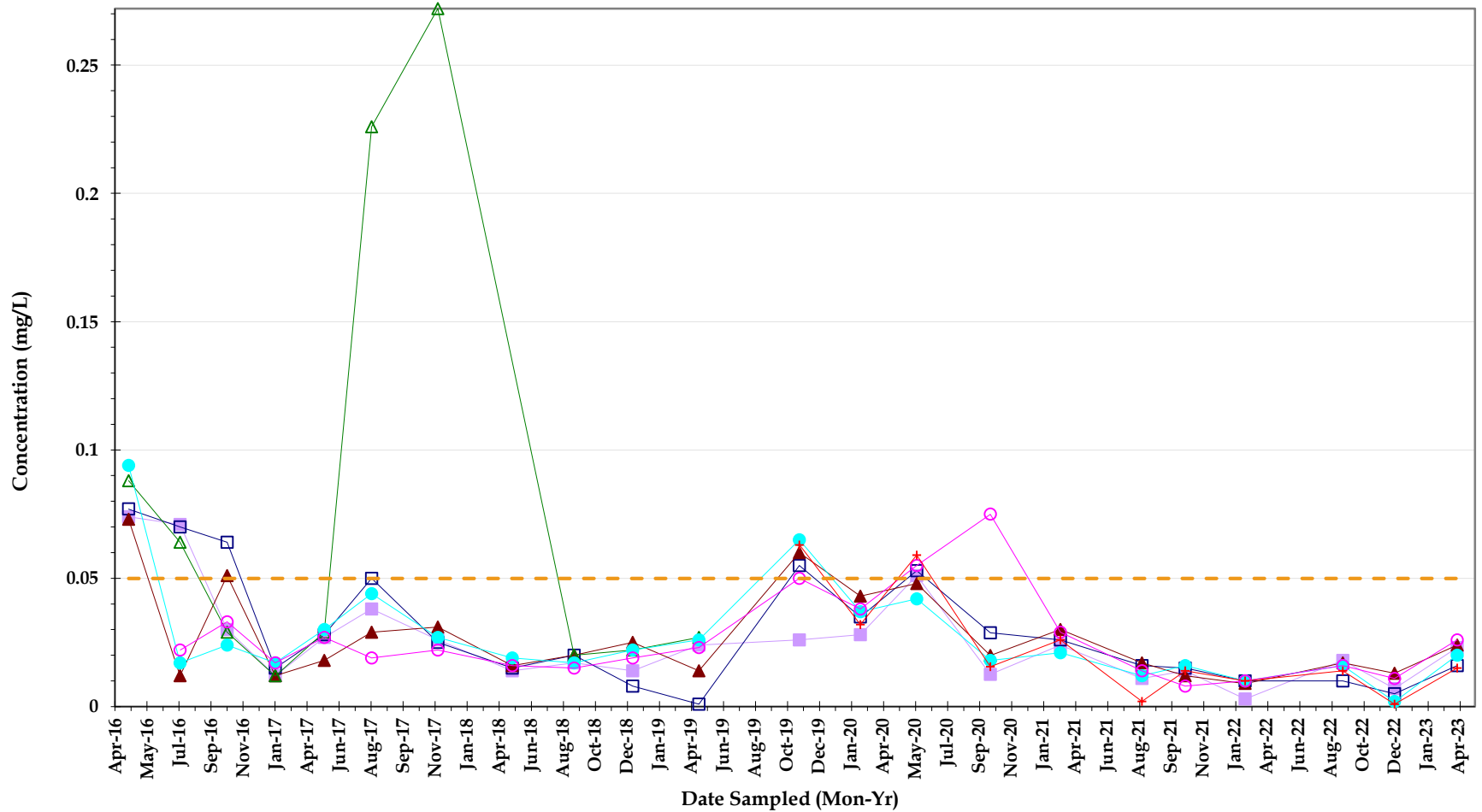






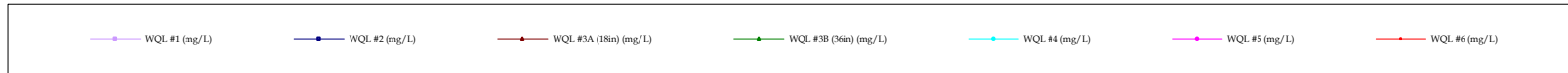
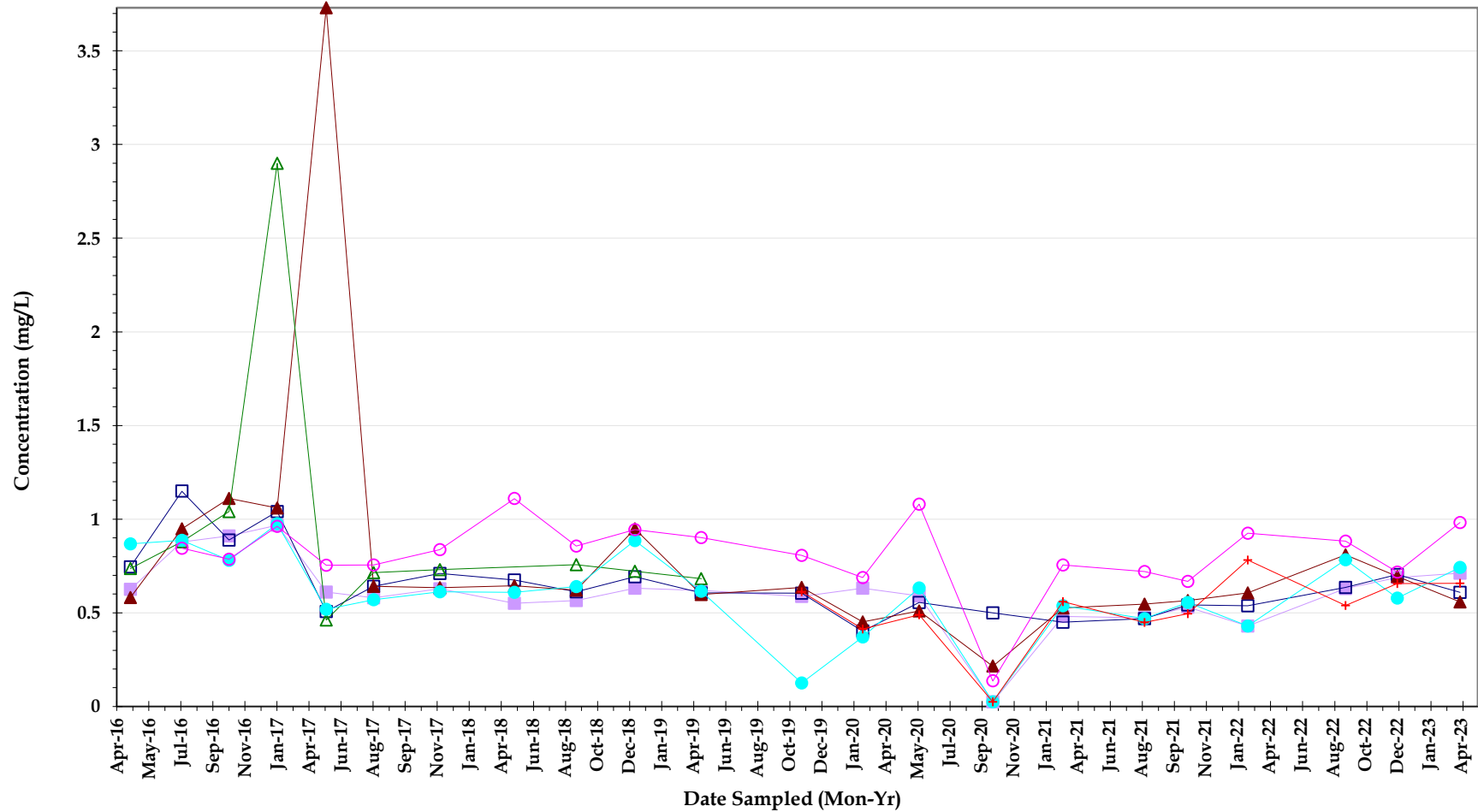
# Chlorophyll a

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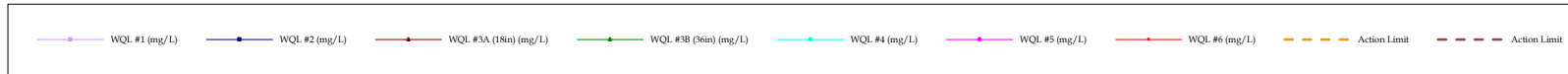
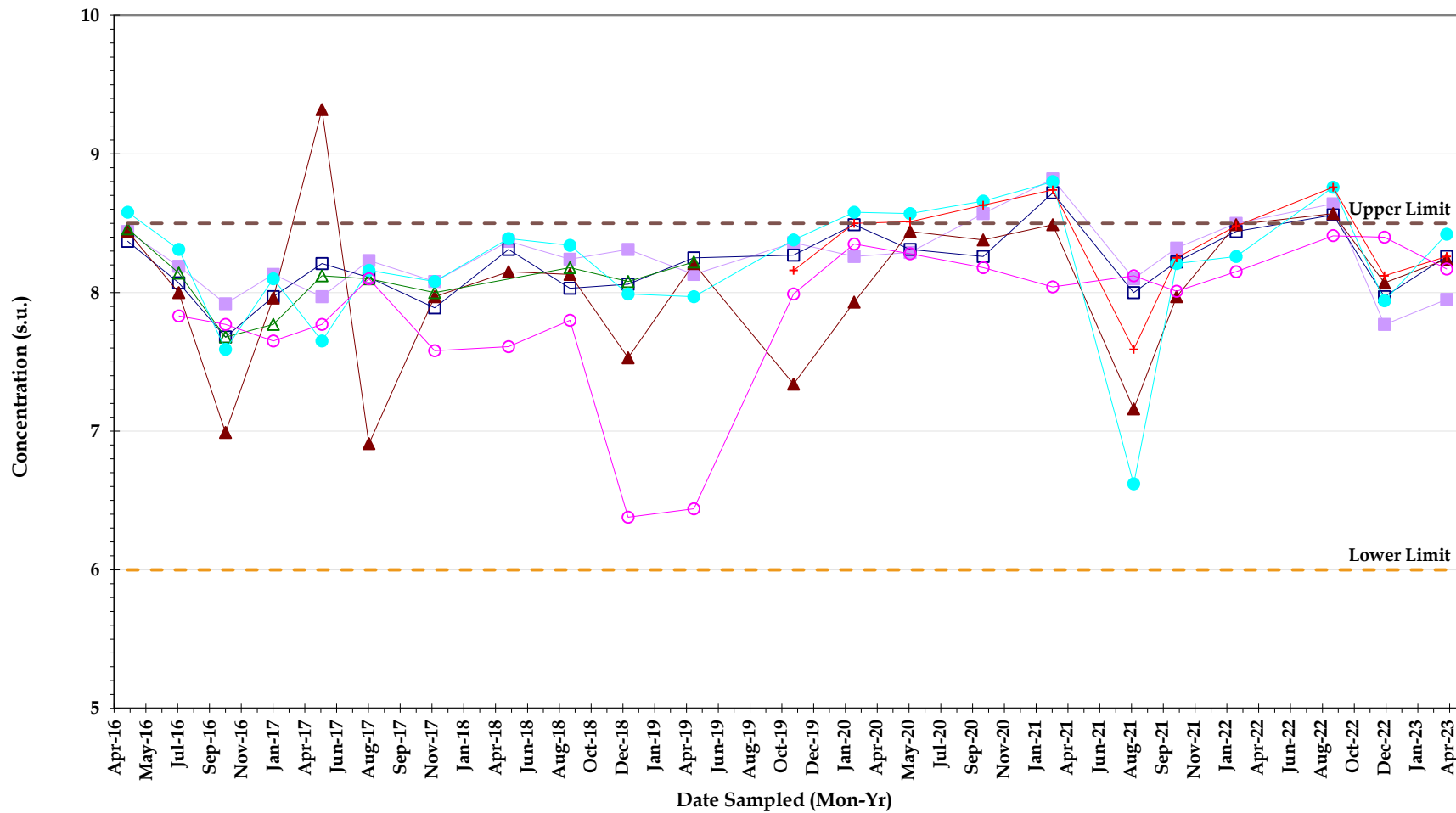
# Orthophosphorus

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**Total kjeldahl nitrogen (TKN)**

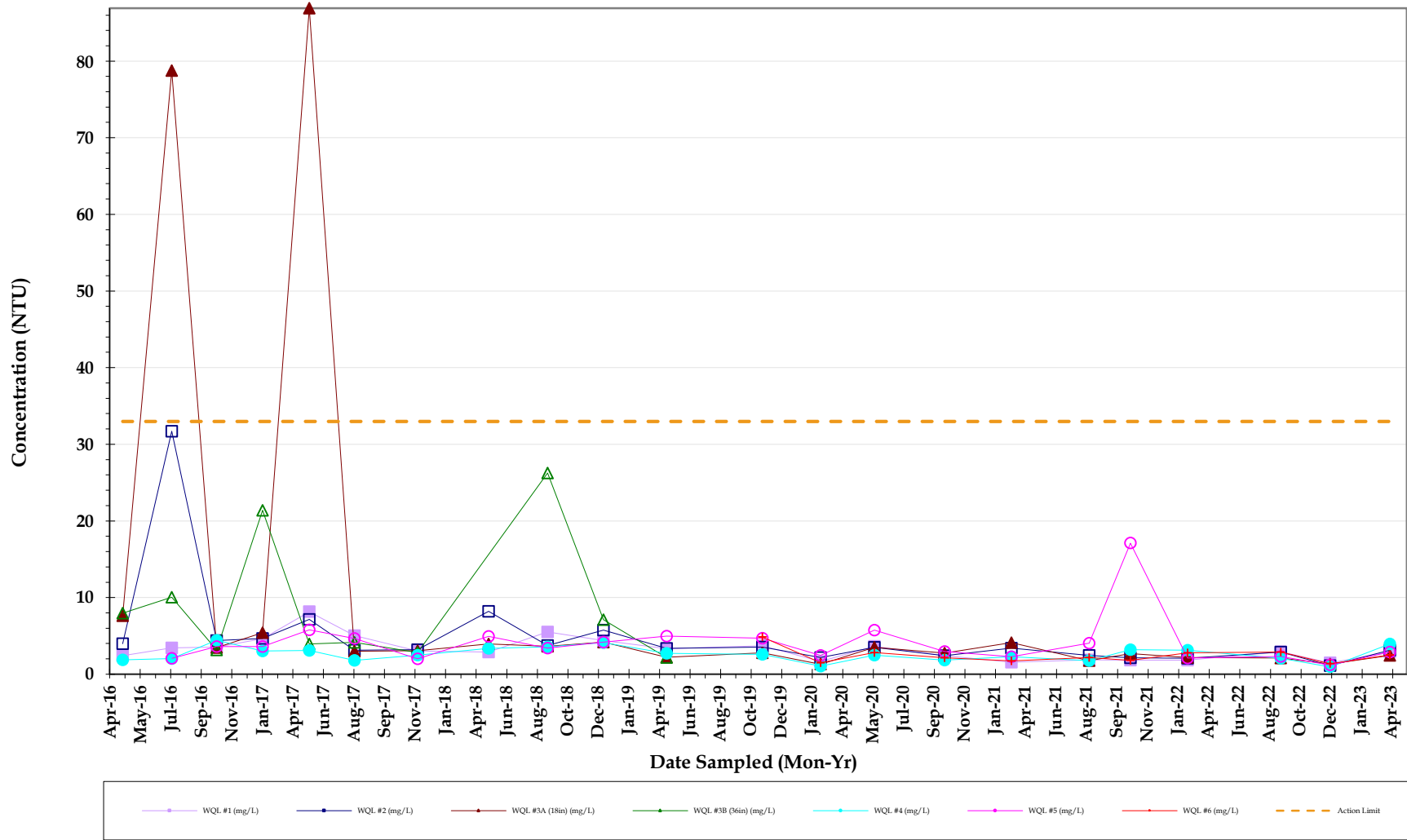




pH, Field

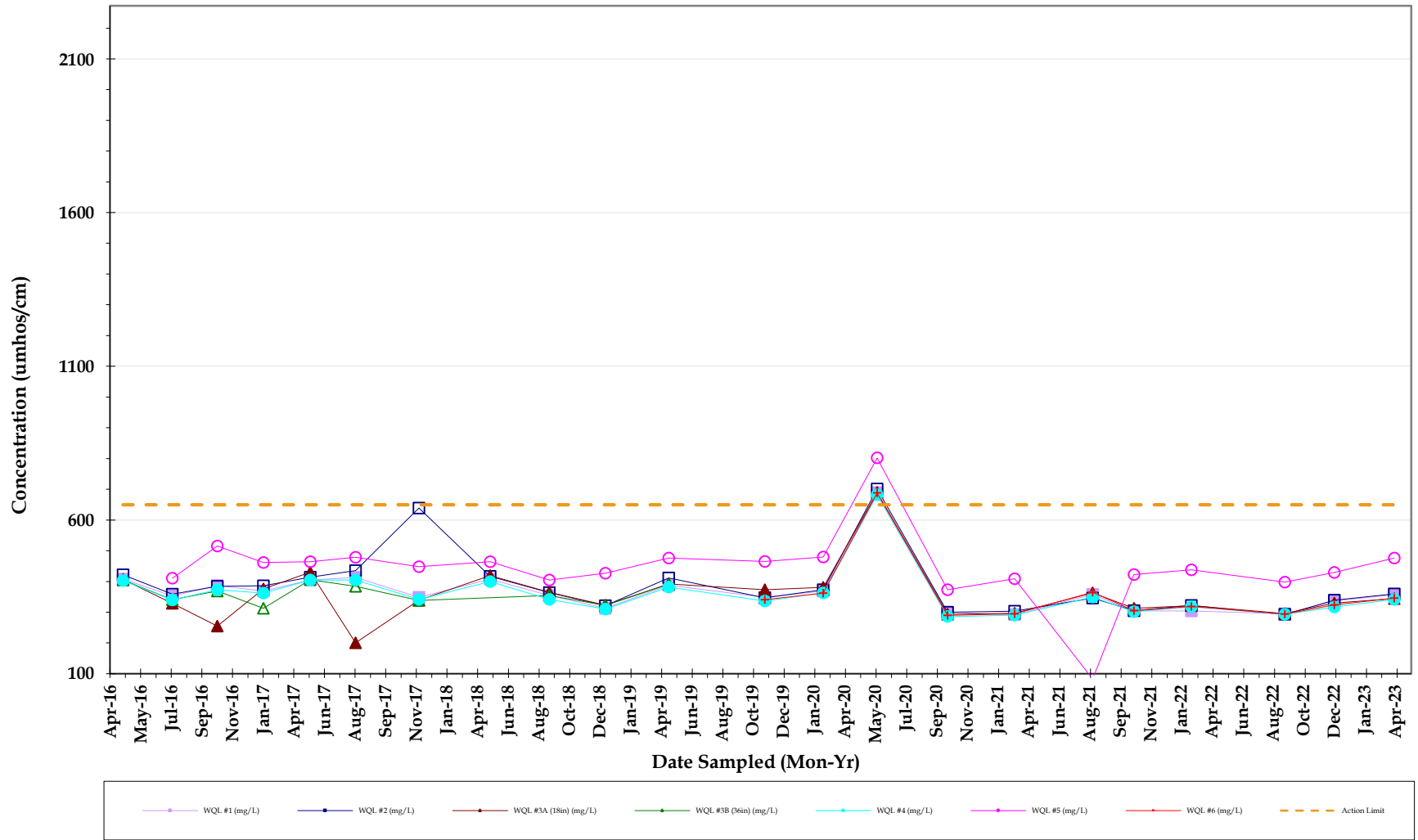
Miromar Lakes  
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 MARCH 2023





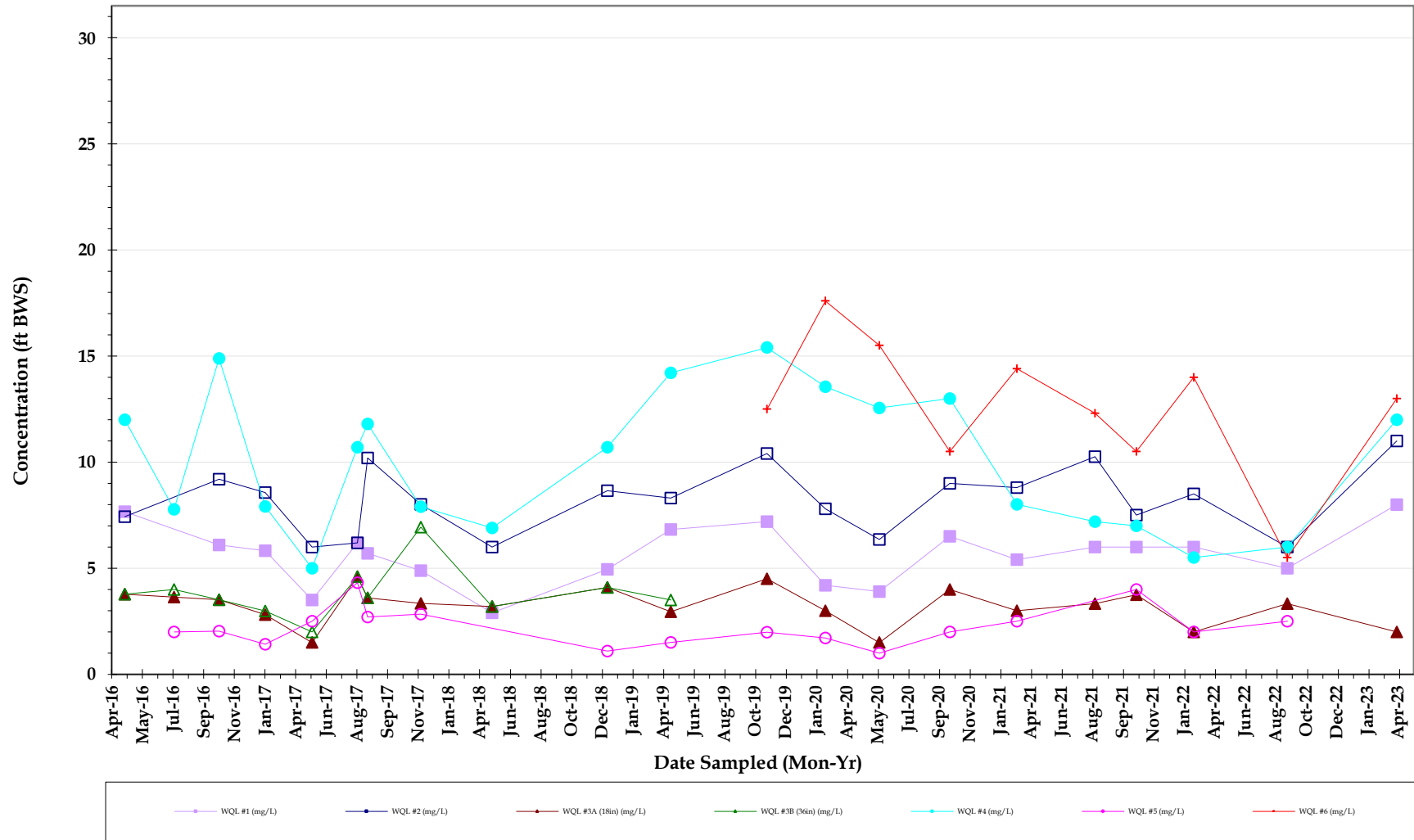
# Turbidity

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 Water Quality Surface Water Sample results  
 MARCH 2023



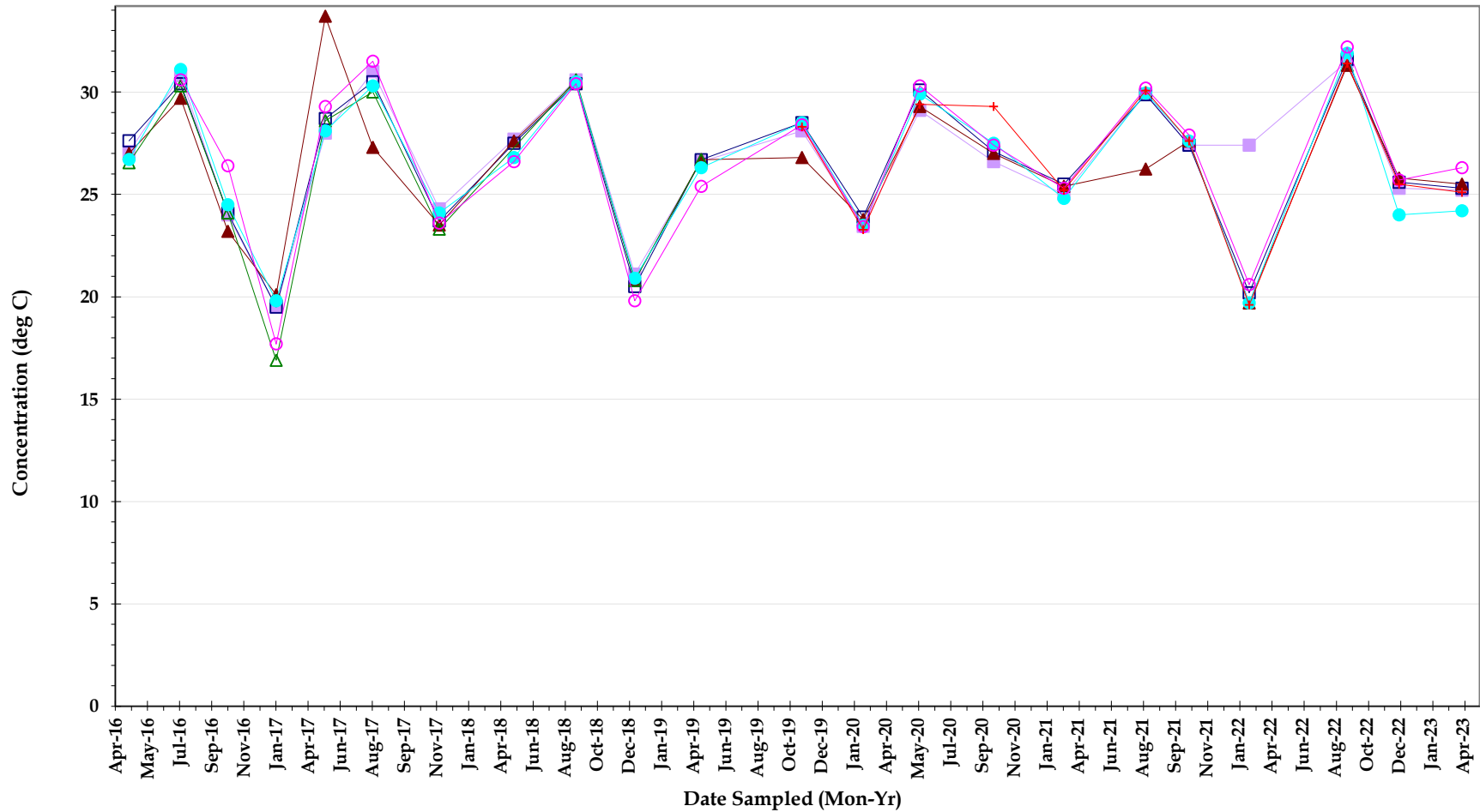
## Conductivity

Miromar Lakes  
 Water Quality Surface Water Sample results  
 MARCH 2023



## Water Depth

Miomar Lakes  
 Water Quality Surface Water Sample results  
 MARCH 2023



## Temperature, sample

Miromar Lakes  
 Water Quality Surface Water Sample results  
 MARCH 2023



# Laboratory Analytical Report

## ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

**Submission Number :** 23031559

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

**Project Name :** MIROMAR LAKES WQM QTLY  
**Date Received :** 03/28/2023  
**Time Received :** 14:59  
**Project #:** 11225022-00

**Submission Number:** 23031559  
**Sample Number:** 001  
**Sample Description:** WQL #1

**Sample Date:** 03/27/2023  
**Sample Time:** 10:30  
**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	03/29/2023 15:30	AW
TOTAL KJELDAHL NITROGEN	0.712	MG/L	0.05	0.20	351.2	03/29/2023 18:40	MS
ORTHO PHOSPHORUS AS P	0.023	MG/L	0.002	0.008	365.3	03/28/2023 17:08	YQ
TOTAL PHOSPHORUS AS P	0.031 I	MG/L	0.008	0.032	365.3	03/29/2023 12:00	YQ
CHLOROPHYLL A	4.68	MG/M3	0.25	1.00	445.0	04/08/2023 14:30	TH
TOTAL SUSPENDED SOLIDS	2.35	MG/L	0.670	2.280	SM2540D	03/30/2023 13:23	AT/MN
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	03/28/2023 15:14	EJ/LD
NITRATE+NITRITE AS N	0.024	MG/L	0.006	0.024	SYSTEAS EASY	03/31/2023 15:27	MA
TOTAL NITROGEN	0.736	MG/L	0.05	0.20	SYSTEAS+351	03/31/2023 15:27	MS/MA

**Submission Number:** 23031559  
**Sample Number:** 002  
**Sample Description:** WQL #2

**Sample Date:** 03/27/2023  
**Sample Time:** 10:20  
**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	03/29/2023 15:30	AW
TOTAL KJELDAHL NITROGEN	0.610	MG/L	0.05	0.20	351.2	03/29/2023 18:41	MS
ORTHO PHOSPHORUS AS P	0.016	MG/L	0.002	0.008	365.3	03/28/2023 17:10	YQ
TOTAL PHOSPHORUS AS P	0.028 I	MG/L	0.008	0.032	365.3	03/29/2023 11:41	YQ
CHLOROPHYLL A	5.26	MG/M3	0.25	1.00	445.0	04/08/2023 14:30	TH
TOTAL SUSPENDED SOLIDS	2.04 I	MG/L	0.570	2.280	SM2540D	03/30/2023 13:23	AT/MN
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	03/28/2023 15:14	EJ/LD
NITRATE+NITRITE AS N	0.022 I	MG/L	0.006	0.024	SYSTEAS EASY	03/31/2023 15:30	MA
TOTAL NITROGEN	0.632	MG/L	0.05	0.20	SYSTEAS+351	03/31/2023 16:30	MS/MA

# BENCHMARK



*EnviroAnalytical, Inc.*

FDOH Certification #E84167

**Submission Number:** 23031559  
**Sample Number:** 003  
**Sample Description:** WQL #3

**Sample Date:** 03/27/2023  
**Sample Time:** 10:10  
**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	03/29/2023 15:32	AW
TOTAL KJELDAHL NITROGEN	0.558	MG/L	0.05	0.20	351.2	03/29/2023 18:43	MS
ORTHO PHOSPHORUS AS P	0.024	MG/L	0.002	0.008	365.3	03/28/2023 17:11	YQ
TOTAL PHOSPHORUS AS P	0.025 I	MG/L	0.008	0.032	365.3	03/29/2023 12:01	YQ
CHLOROPHYLL A	6.22	MG/M3	0.25	1.00	445.0	04/08/2023 14:30	TH
TOTAL SUSPENDED SOLIDS	3.27	MG/L	0.570	2.280	SM2540D	03/30/2023 13:23	AT/MN
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	03/28/2023 15:14	EJ/LD
NITRATE+NITRITE AS N	0.012 I	MG/L	0.008	0.024	SYSTEAS EASY	03/31/2023 15:31	MA
TOTAL NITROGEN	0.570	MG/L	0.05	0.20	SYSTEAS+351	03/31/2023 15:31	MS/MA

**Submission Number:** 23031559  
**Sample Number:** 004  
**Sample Description:** WQL #4

**Sample Date:** 03/27/2023  
**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	03/29/2023 15:34	AW
TOTAL KJELDAHL NITROGEN	0.743	MG/L	0.05	0.20	351.2	03/29/2023 18:52	MS
ORTHO PHOSPHORUS AS P	0.020	MG/L	0.002	0.008	365.3	03/29/2023 09:10	YQ
TOTAL PHOSPHORUS AS P	0.035	MG/L	0.008	0.032	365.3	03/29/2023 12:02	YQ
CHLOROPHYLL A	5.24	MG/M3	0.25	1.00	445.0	04/08/2023 14:30	TH
TOTAL SUSPENDED SOLIDS	2.55	MG/L	0.570	2.280	SM2540D	03/30/2023 13:23	AT/MN
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	03/28/2023 15:14	EJ/LD
NITRATE+NITRITE AS N	0.021 I	MG/L	0.008	0.024	SYSTEAS EASY	03/31/2023 15:31	MA
TOTAL NITROGEN	0.784	MG/L	0.05	0.20	SYSTEAS+351	03/31/2023 15:31	MS/MA

**Submission Number:** 23031559  
**Sample Number:** 005  
**Sample Description:** WQL #5

**Sample Date:** 03/27/2023  
**Sample Time:** 11:25  
**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	03/29/2023 15:36	AW
TOTAL KJELDAHL NITROGEN	0.982	MG/L	0.05	0.20	351.2	03/29/2023 18:54	MS
ORTHO PHOSPHORUS AS P	0.028	MG/L	0.002	0.008	365.3	03/28/2023 17:18	YQ
TOTAL PHOSPHORUS AS P	0.030 I	MG/L	0.008	0.032	365.3	03/29/2023 11:44	YQ
CHLOROPHYLL A	19.5	MG/M3	0.25	1.00	445.0	04/08/2023 14:30	TH
TOTAL SUSPENDED SOLIDS	3.00	MG/L	0.570	2.280	SM2540D	03/30/2023 13:23	AT/MN
BIOCHEMICAL OXYGEN DEMAND	1.56 I	MG/L	1	4	SM5210B	03/28/2023 15:14	EJ/LD

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NITRATE+NITRITE AS N	0.029	MG/L	0.008	0.024	SYSTEAS EASY	03/31/2023 16:32	MA
TOTAL NITROGEN	1.01	MG/L	0.05	0.20	SYSTEAS+351	03/31/2023 16:32	MS/MA

<b>Submission Number:</b> 23031559	<b>Sample Date:</b> 03/27/2023
<b>Sample Number:</b> 006	<b>Sample Time:</b> 10:00
<b>Sample Description:</b> WQL #6	<b>Sample Method:</b> Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	03/29/2023 15:38	AW
TOTAL KJELDAHL NITROGEN	0.658	MG/L	0.05	0.20	351.2	03/29/2023 18:55	MS
ORTHO PHOSPHORUS AS P	0.015	MG/L	0.002	0.008	365.3	03/28/2023 17:20	YQ
TOTAL PHOSPHORUS AS P	0.023 I	MG/L	0.008	0.032	365.3	03/29/2023 11:45	YQ
CHLOROPHYLL A	5.68	MG/M3	0.25	1.00	445.0	04/08/2023 14:30	TH
TOTAL SUSPENDED SOLIDS	2.63	MG/L	0.570	2.280	SM2540D	03/30/2023 13:23	AT/MN
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	03/28/2023 16:14	EJ/LD
NITRATE+NITRITE AS N	0.012 I	MG/L	0.008	0.024	SYSTEAS EASY	03/31/2023 11:49	MA
TOTAL NITROGEN	0.870	MG/L	0.05	0.20	SYSTEAS+351	03/31/2023 11:49	MS/MA

*Haley Rin*

04/11/2023

Dale D. Dixon / Laboratory Director

Date

Tulay Tarrisever - 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. Date may be inaccurate.
- Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
- I = 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 filtered t E85086 03/28/23 0813

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 12<sup>th</sup> 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 ([Andrew.Wyatt@ghd.com](mailto:Andrew.Wyatt@ghd.com))

Kit Shipped to client via UPS Standard in 1 large cooler

2022 PO# 34043123

Chain of Custody Form: Miromar Lakes WQM  
 Project Number: 11225022- 00

Profile: 840, QC Report

Laboratory Submission #: **23031559**

Station ID	Sample Type <sup>1</sup>	Sample Matrix <sup>2</sup>	Parameters, Preservative <sup>4</sup> , Container Type <sup>5</sup> / Total # of Containers = 4					Laboratory Submission #
			Unique bottle ID 1A	Unique bottle ID 1B	Unique bottle ID 1C	Unique bottle ID 1D	Unique bottle ID 1E	
			NO <sub>3</sub> -NO <sub>2</sub> (353.2) TKN (351.2) NH <sub>3</sub> (350.1) TP (365.3) T-N (Calc.)	BOD5 (SM5210B)	Ortho-Phos (Lab Filtered) (365.3)	TSS (SM2540D)	Chlorophyll a (445.0) Filtered @ BEAS 3/28/23 0813	
			1.1mL 1:4 H <sub>2</sub> SO <sub>4</sub> pH<2 Lot # 23-04	Plain	Plain	Plain	Plain	
			1 x 1/2 Pint Plastic	1 x 1 Quart Plastic	1 x 1/2 Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	
WQL #1	Grab	SW	Date/Time: 3/27/23 1030					1
WQL #2	Grab	SW	Date/Time: 1020					2
WQL #3	Grab	SW	Date/Time: 1010					3
WQL #4	Grab	SW	Date/Time: 945					4
WQL #5	Grab	SW	Date/Time: 1125					5
WQL #6	Grab	SW	Date/Time: 1000					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<sub>2</sub>SO<sub>4</sub> and HNO<sub>3</sub> 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, pre-measured 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: 18°C  
 BEAS Temp: 3.9°C

1	Collector & Affiliation: (Print & Sign) Connor Hayden C/H/L GHD	Date: 3/27/23	Time: 1314	Received By & Affiliation: (Print & Sign) Melinda Merchant BEAS	Date: 3/27/23	Time: 1314
2	Relinquished By & Affiliation: (Print & Sign) Melinda Merchant - BEAS	Date: 3/28/23	Time: 1120	Received By & Affiliation: (Print & Sign) Kara Baker BEAS	Date: 3/28/23	Time: 1120
3	Relinquished By & Affiliation: (Print & Sign) Kara Baker BEAS	Date: 3/28/23	Time: 1454	Received By & Affiliation: (Print & Sign) Kara Baker BEAS	Date: 3/28/23	Time: 1454
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:

08/14/2024

# BENCHMARK



*EnviroAnalytical, Inc.*

NELAP Certification #E84167

Submission Number: 23031559  
 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
23031450 - 001	678861	350.1	AMMONIA NITROGEN	03/29/2023 09:45	LR		2160.000	2130.000	1.18		
		350.1	AMMONIA NITROGEN	03/29/2023 09:58	MB	0.00	0.000				
23031448 - 044	678859	350.1	AMMONIA NITROGEN	03/29/2023 09:51	SPK	1.00	1.620			1.610	99.0
		350.1	AMMONIA NITROGEN	03/29/2023 09:41	STD	1.00	0.903				90.3
23031412 - 001	678729	351.2	TOTAL KJELDAHL NITROGEN	03/29/2023 16:24	LR		92.900	93.400	0.39		
		351.2	TOTAL KJELDAHL NITROGEN	03/29/2023 09:28	MB	0.00	0.000				
23030954 - 002	678126	351.2	TOTAL KJELDAHL NITROGEN	03/29/2023 09:31	SPK	2.00	3.520			3.420	95.4
		351.2	TOTAL KJELDAHL NITROGEN	03/29/2023 08:56	STD	2.00	1.940				97.2
23031559 - 004	679004	365.3	ORTHO PHOSPHORUS AS P	03/29/2023 09:10	LR		0.020	0.021	3.42		
		365.3	ORTHO PHOSPHORUS AS P	03/29/2023 17:19	MB	0.00	0.000				
		365.3	ORTHO PHOSPHORUS AS P	03/29/2023 16:45	PQL	0.01	0.009				85.0
23031593 - 001	679069	365.3	ORTHO PHOSPHORUS AS P	03/29/2023 16:49	SPK	0.20	0.343			0.329	93.2
		365.3	ORTHO PHOSPHORUS AS P	03/29/2023 16:44	STD	0.20	0.212				106.0
23031539 - 002	678984	365.3	TOTAL PHOSPHORUS AS P	03/29/2023 10:34	LR		0.382	0.381	0.11		
		365.3	TOTAL PHOSPHORUS AS P	03/29/2023 10:05	MB	0.00	0.000				
23031560 - 004	679010	365.3	TOTAL PHOSPHORUS AS P	03/29/2023 10:36	SPK	0.20	0.190			0.214	112.0
		365.3	TOTAL PHOSPHORUS AS P	03/29/2023 11:37	STD	0.20	0.196				98.0
23010178 - 006	679087	445.0	CHLOROPHYLL A	04/08/2023 14:30	LR		0.996	0.920	5.78		
		445.0	CHLOROPHYLL A	04/08/2023 14:30	MB	0.00	0.020				
		445.0	CHLOROPHYLL A	04/08/2023 14:30	STD	56.54	52.882				93.5
23031558 - 001	678999	SM2540D	TOTAL SUSPENDED SOLIDS	03/30/2023 13:23	LR		196.000	192.000	1.46		
		SM2540D	TOTAL SUSPENDED SOLIDS	03/30/2023 13:23	MB	0.00	0.000				
23031535 - 001	678978	SM5210B	BIOCHEMICAL OXYGEN DEMAND	03/28/2023 15:14	LR		1050.000	1030.000	1.36		
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	03/28/2023 15:14	MB	0.00	0.000				
		SM5210B	BIOCHEMICAL OXYGEN DEMAND	03/28/2023 15:14	STD	198.00	178.600				90.2

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
23031500 - 002	678923	SYSTEAS EASY	NITRATE+NITRITE AS N	03/31/2023 11:44	LR		2.110	2.000	3.86		
		SYSTEAS EASY	NITRATE+NITRITE AS N	03/31/2023 11:05	MB	0.00	0.000				
23031454 - 001	678867	SYSTEAS EASY	NITRATE+NITRITE AS N	03/31/2023 11:07	SPK	2.00	3.960			3.920	98.2
		SYSTEAS EASY	NITRATE+NITRITE AS N	03/31/2023 11:05	STD	0.25	0.247				98.8

Comments:

# Surface Water Field Sheets



**SURFACE WATER FIELD SHEET**  
Station Information

STATION ID:	WOL # 1
LOCATION:	upstream of bridge
DATE/TIME:	3/27/23 1030
ALL TIMES ARE:	<input checked="" type="radio"/> ETZ or <input type="radio"/> CTZ (circle one)

WATERBODY TYPE: (Circle One)

Small Lake (>4 and <10HA) (collect samples in middle of open water)	<input type="radio"/> Large Lake (>10HA) (collect samples at selected location point)
Small Stream (collect samples in representative area)	<input checked="" type="radio"/> Large River (collect samples in representative area)

**Water Characteristics**

TOTAL WATER DEPTH: <u>8</u> (feet) (Average of 2 measurements)	Sample Depth: <u>1.5</u> (feet)
STREAM FLOW: (Circle One if applicable)	No Flow <input type="radio"/> <input checked="" type="radio"/> Flow within Banks <input type="radio"/> Flood Conditions
WATER LEVEL: (Circle One)	Low <input type="radio"/> <input checked="" type="radio"/> Normal <input type="radio"/> High
WATER SAMPLE COLLECTION DEVICE (Circle One)	Van Dorn <input type="radio"/> <input checked="" type="radio"/> Direct Grab with Sample Bottle <input type="radio"/> Dipper <input type="radio"/> 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)
1030	1.5	7.95	7.70	93.4	25.2	356.9	2.94
Time (24 hr.)	Bottom Depth Collected (feet)	pH (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)

\*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: \_\_\_\_\_  
 Samples immediately placed on ice?  Yes  No

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

PERSONNEL ON SITE: Jessica Wash, Connor Haydon

REMARKS: \_\_\_\_\_

**SURFACE WATER FIELD SHEET**  
Station Information

STATION ID:	<u>WQL # 2</u>
LOCATION:	<u>corner at turn</u>
DATE/TIME:	<u>3/27/23 1020</u>
ALL TIMES ARE:	<input checked="" type="radio"/> ETZ or <input type="radio"/> CTZ (circle one)

WATERBODY TYPE: (Circle One)	Small Lake (>4 and <10HA) (collect samples in middle of open water)	<input checked="" type="radio"/> 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)	<u>11</u> (feet)	Sample Depth:	_____ (feet)
STREAM FLOW:	(Circle One if applicable)	No Flow	<input checked="" type="radio"/> Flow within Banks
WATER LEVEL:	(Circle One)	Low	<input checked="" type="radio"/> Normal
WATER SAMPLE COLLECTION DEVICE (Circle One)	Van Dorn	<input checked="" type="radio"/> 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)
<u>1020</u>	<u>1.5</u>	<u>8.26</u>	<u>6.88</u>	<u>89.4</u>	<u>25.3</u>	<u>359.5</u>	<u>3.14</u>
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: UH, JW

REMARKS: \_\_\_\_\_



**SURFACE WATER FIELD SHEET**  
Station Information

STATION ID: WQ2 #3

LOCATION: adjacent to weir

DATE/TIME: 3/27/23 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: 2 (feet)  
(Average of 2 measurements)  
(Circle One if applicable)

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	8.24	5.53	68.2	25.5	344.4	2.45
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: 1

Samples immediately placed on ice?  Yes  No

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

PERSONNEL ON SITE: JW, CH

REMARKS: Strong low odor noted, significant plant matter noted

**SURFACE WATER FIELD SHEET**  
Station Information

STATION ID: WQ # 4

LOCATION: adjacent to buoy

DATE/TIME: 3/27/23 945

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: 12.0 (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)
<u>945</u>	<u>1.5</u>	<u>8.42</u>	<u>98.6</u>	<u>8.19</u>	<u>24.2</u>	<u>312.1</u>	<u>3.95</u>
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, CLP

REMARKS: organic foam noted on bank



**SURFACE WATER FIELD SHEET**  
Station Information

17

STATION ID: WQ2 #5

LOCATION: adjacent to buoy

DATE/TIME: 3/27/23 1125

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: nm (feet) Sample Depth: 1.5 (feet)

(Average of 2 measurements)

STREAM FLOW: (Circle One if applicable)  SW  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		
Time (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
<u>1125</u>	<u>1.5</u>	<u>8.17</u>	<u>6.56</u>	<u>81.8</u>	<u>26.3</u>	<u>475.8</u>	<u>2.88</u>
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: CH, JW

REMARKS: \_\_\_\_\_

**SURFACE WATER FIELD SHEET**  
Station Information

STATION ID:	WXL #6
LOCATION:	UPSTREAM OF WEIR
DATE/TIME:	3/27/23 1000
ALL TIMES ARE:	<u>ETZ</u> 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)	13.0	(feet)	Sample Depth:	1.5	(feet)
STREAM FLOW: (Circle One if applicable)	No Flow	<u>Flow within Banks</u>	Flood Conditions		
WATER LEVEL: (Circle One)	Low	<u>Normal</u>	High		
WATER SAMPLE COLLECTION DEVICE (Circle One)	Van Dorn	<u>Direct Grab with Sample Bottle</u>	Dipper	Other	

Field Measurements		Meter ID#			Field Measurements		
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	8.26	7.79	94.4	25.1	346.1	2.50
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: JEN, JHP

REMARKS: \_\_\_\_\_

# J.P. WARD AND ASSOCIATES, LLC.

2301 N.E. 37<sup>th</sup> ST  
FORT LAUDERDALE FL 33308

Lee County – Community Development Districts  
FLORIDA

04/15/2023

NAME OF COMMUNITY DEVELOPMENT DISTRICT	NUMBER OF REGISTERED VOTERS AS OF 04/15/2023
Miromar Lakes	1,327
Palermo	156
Esplanade Lake Club	577
Timber Creek Southwest	697

Tammy Lipa – Voice: 239-533-6329

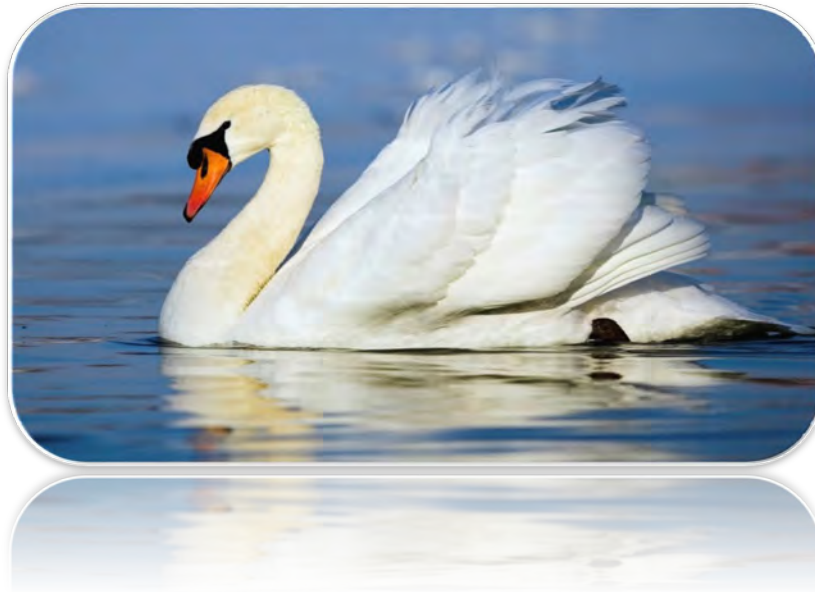
Email: [tlipa@lee.vote](mailto:tlipa@lee.vote)

Send to: James P. Ward [jimward@jpwardassociates.com](mailto:jimward@jpwardassociates.com) Phone: 954-658-4900

Cc: Cori Dissinger [coridissinger@jpwardassociates.com](mailto:coridissinger@jpwardassociates.com) Phone: 407-913-3545

# MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

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## FINANCIAL STATEMENTS – APRIL 2023

FISCAL YEAR 2023

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PREPARED BY:

JPWARD & ASSOCIATES, LLC, 2301 NORTHEAST 37<sup>TH</sup> STREET, FORT LAUDERDALE, FL 33308

T: 954-658-4900 E: [JimWard@JPWardAssociates.com](mailto:JimWard@JPWardAssociates.com)



*Miromar Lakes Community Development District*

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*JPWard & Associates, LLC*

2301 NORTHEAST 37 STREET  
FORT LAUDERDALE,  
FLORIDA 33308

**Miromar Lakes Community Development District  
Balance Sheet  
for the Period Ending April 30, 2023**

	Governmental Funds					Capital Projects Fund	Account Groups		Totals (Memorandum Only)
	Debt Service Funds				Series 2022		General Long	General Fixed	
	General Fund	Series 2012	Series 2015	Series 2022			Term Debt	Assets	
<b>Assets</b>									
<b>Cash and Investments</b>									
General Fund - Invested Cash	\$ 1,451,493	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,451,493
Debt Service Fund									
Interest Account	-	-	-	90,672	-	-	-	-	90,672
Sinking Account	-	-	-	620,000	-	-	-	-	620,000
Reserve Account	-	-	454,111	-	-	-	-	-	454,111
Revenue	-	-	1,103,931	12,659	-	-	-	-	1,116,590
Prepayment Account	-	-	8,558	-	-	-	-	-	8,558
Escrow Fund Account									
Construction									
Cost of Issuance									
<b>Due from Other Funds</b>									
General Fund	-	-	73,606	127,294	-	-	-	-	200,900
Debt Service Fund(s)									
<b>Market Valuation Adjustments</b>									
Accrued Interest Receivable	-	-	-	-	-	-	-	-	-
Assessments Receivable	-	-	-	-	-	-	-	-	-
Accounts Receivable	-	-	-	-	-	-	-	-	-
Amount Available in Debt Service Funds	-	-	-	-	-	2,490,831	-	-	2,490,831
Amount to be Provided by Debt Service Funds	-	-	-	-	-	13,114,169	-	-	13,114,169
Investment in General Fixed Assets (net of depreciation)	-	-	-	-	-	-	36,514,917	-	36,514,917
<b>Total Assets</b>	<b>\$ 1,451,493</b>	<b>\$ -</b>	<b>\$ 1,640,205</b>	<b>\$ 850,625</b>	<b>\$ -</b>	<b>\$ 15,605,000</b>	<b>\$ 36,514,917</b>	<b>\$ -</b>	<b>\$ 56,062,241</b>

**Miromar Lakes Community Development District  
Balance Sheet  
for the Period Ending April 30, 2023**

	Governmental Funds					Capital Projects Fund	Account Groups		Totals (Memorandum Only)
	Debt Service Funds				Series 2022		General Long	General Fixed	
	General Fund	Series 2012	Series 2015	Series 2022			Term Debt	Assets	
<b>Liabilities</b>									
<b>Accounts Payable &amp; Payroll Liabilities</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Due to Other Funds</b>									-
General Fund		-	-	-	-	-	-	-	-
Debt Service Fund(s)	200,900	-	-	-	-	-	-	-	200,900
Other Developer	-	-							-
<b>Bonds Payable</b>									-
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
<b>Total Liabilities</b>	<b>\$ 200,900</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,605,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,805,900</b>
<b>Fund Equity and Other Credits</b>									
<b>Investment in General Fixed Assets</b>	-						36,514,917		36,514,917
<b>Fund Balance</b>									
<b>Restricted</b>									
<b>Beginning: October 1, 2022 (Unaudited)</b>	-	690,801	970,579	181,497	-	-	-	-	1,842,877
Results from Current Operations	-	(690,801)	669,626	669,129	-	-	-	-	647,954
<b>Unassigned</b>									
<b>Beginning: October 1, 2022 (Unaudited)</b>	633,111					-	-	-	-
<b>Allocation of Fund Balance</b>									
System-Wide Reserves	200,000								
Reserve For First Three Months Operations	433,111					-	-	-	433,111
<b>Results of Current Operations</b>	617,483								617,483
<b>Total Fund Equity and Other Credits</b>	<b>\$ 1,250,594</b>	<b>\$ -</b>	<b>\$ 1,640,205</b>	<b>\$ 850,625</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 36,514,917</b>	<b>\$ -</b>	<b>\$ 40,256,342</b>
<b>Total Liabilities, Fund Equity and Other Credits</b>	<b>\$ 1,451,493</b>	<b>\$ -</b>	<b>\$ 1,640,205</b>	<b>\$ 850,625</b>	<b>\$ -</b>	<b>\$ 15,605,000</b>	<b>\$ 36,514,917</b>	<b>\$ -</b>	<b>\$ 56,062,241</b>

**Miromar Lakes Community Development District**  
**General Fund**  
**Statement of Revenues, Expenditures and Changes in Fund Balance**  
**Through April 30, 2023**

Description	October	November	December	January	February	March	April	Year to Date	Total Annual Budget	% of Budget
<b>Revenue and Other Sources</b>										
Carryforward	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	N/A
<b>Interest</b>										
Interest - General Checking	0	0	0	0	-	-	-	0	75	0%
<b>Special Assessment Revenue</b>										
Special Assessments - On-Roll	235	24,824	263,651	348,205	65,272	40,055	20,795	763,037	780,487	98%
Special Assessments - Off-Roll	45,077	-	-	45,077	-	-	45,077	135,230	180,306	75%
<b>Miscellaneous Revenue</b>										
Easement Encroachments	-	-	-	-	-	-	-	-	-	N/A
<b>Intragovernmental Transfer In</b>										
<b>Total Revenue and Other Sources:</b>	<b>\$ 45,312</b>	<b>\$ 24,824</b>	<b>\$ 263,651</b>	<b>\$ 393,282</b>	<b>\$ 65,272</b>	<b>\$ 40,055</b>	<b>\$ 65,871</b>	<b>898,267</b>	<b>\$ 960,868</b>	<b>93%</b>
<b>Expenditures and Other Uses</b>										
<b>Legislative</b>										
Board of Supervisor's - Fees	1,000	-	2,000	-	1,000	2,000	1,000	7,000	12,000	58%
Board of Supervisor's - Taxes	77	-	153	-	77	153	77	536	918	58%
<b>Executive</b>										
Professional Management	3,500	3,500	3,500	3,500	3,500	3,500	3,500	24,500	42,000	58%
<b>Financial and Administrative</b>										
Audit Services	-	-	-	4,200	-	-	-	4,200	4,100	102%
Accounting Services	-	-	-	-	-	-	-	-	-	N/A
Assessment Roll Services	-	-	-	-	18,000	-	-	18,000	18,000	100%
Arbitrage	-	-	500	-	-	-	-	500	1,500	33%
Bond Re-amortization	-	-	-	-	-	-	-	-	-	N/A
<b>Other Contractual Services</b>										
Legal Advertising	-	-	-	-	-	260	-	260	1,200	22%
Trustee Services	-	-	-	-	-	9,998	-	9,998	9,300	108%
Dissemination	-	-	-	-	-	-	-	-	-	N/A
Bond Amortization Schedules	-	-	-	-	-	-	-	-	-	N/A
Property Appraiser/Tax Collector Fees	-	-	-	1,233	-	-	-	1,233	1,300	95%
Bank Services	21	21	21	21	21	-	-	106	500	21%
<b>Travel and Per Diem</b>										
Communications & Freight Services	-	-	-	-	-	-	-	-	-	N/A



**Miromar Lakes Community Development District**  
**General Fund**  
**Statement of Revenues, Expenditures and Changes in Fund Balance**  
**Through April 30, 2023**

Description	October	November	December	January	February	March	April	Year to Date	Total Annual Budget	% of Budget
Postage, Freight & Messenger	63	75	-	-	67	-	-	205	800	26%
<b>Insurance</b>	-	7,726	-	-	-	-	-	7,726	7,300	106%
<b>Printing &amp; Binding</b>	-	-	-	233	-	418	-	650	2,700	24%
<b>Website Maintenance</b>	-	-	-	-	-	-	-	-	1,200	0%
<b>Office Supplies</b>	-	-	-	-	-	-	-	-	-	N/A
<b>Subscription &amp; Memberships</b>	-	175	-	-	-	-	-	175	175	100%
<b>Legal Services</b>										
Legal - General Counsel	-	-	-	1,741	-	700	-	2,441	18,000	14%
Legal - Encroachments	-	-	-	-	-	-	-	-	-	N/A
<b>Other General Government Services</b>										
Engineering Services - General Services	-	-	-	3,910	-	-	-	3,910	5,000	78%
Asset Maps/Cost Estimates	-	-	-	-	-	-	-	-	2,500	0%
Asset Administrative Services	-	833	833	833	-	1,583	-	4,083	10,000	41%
Reserve Analysis	-	-	-	-	-	-	-	-	-	N/A
Encroachment Agreements	-	-	-	-	-	-	-	-	-	N/A
Contingencies	-	-	-	-	-	-	-	-	-	N/A
<b>Sub-Total:</b>	<b>4,660</b>	<b>12,331</b>	<b>7,008</b>	<b>15,671</b>	<b>22,665</b>	<b>18,612</b>	<b>4,577</b>	<b>85,523</b>	<b>138,493</b>	<b>62%</b>
<b>Stormwater Management Services</b>										
Professional Services										
Asset Management	-	2,983	2,983	2,983	-	5,967	-	14,917	35,800	42%
NPDES	-	1,379	-	-	-	560	-	1,939	3,500	55%
Mitigation Monitoring	-	-	-	-	-	833	-	833	-	N/A
Utility Services										
Electric - Aeration Systems	565	183	-	499	611	1,177	-	3,035	4,800	63%
Repairs & Maintenance										
Lake System										
Aquatic Weed Control	-	4,895	4,895	5,590	-	1,381	-	16,760	74,000	23%
Lake Bank Maintenance	-	-	-	-	-	5,590	4,895	10,484	2,000	524%
Water Quality Testing	-	-	-	-	686	-	-	686	14,500	5%
Water Control Structures	-	500	1,500	4,000	-	20,000	-	26,000	25,000	104%
Grass Carp Installation	-	-	-	-	-	-	-	-	-	N/A
Litoral Shelf Barrier/Replanting	-	-	-	-	-	-	-	-	-	N/A
Cane Toad Removal	-	-	3,200	2,900	-	6,200	3,200	15,500	36,000	43%

Prepared by:

**JWARD and Associates, LLC**

**Miromar Lakes Community Development District**  
**General Fund**  
**Statement of Revenues, Expenditures and Changes in Fund Balance**  
**Through April 30, 2023**

Description	October	November	December	January	February	March	April	Year to Date	Total Annual Budget	% of Budget
Midge Fly Control	-	3,500	8,823	4,703	-	2,188	-	19,214	24,000	80%
Aeration System	-	-	773	-	-	773	-	1,545	8,000	19%
Fish Re-Stocking	-	-	-	-	-	-	-	-	100,000	0%
Wetland System										
Routine Maintenance	-	-	7,956	3,228	-	6,456	-	17,640	46,200	38%
Water Quality Testing	-	-	-	-	-	-	-	-	-	N/A
Capital Outlay										
Aeration Systems	-	-	-	-	-	-	-	-	12,000	0%
Littortal Shelf Replanting/Barrier	-	-	-	-	-	400	-	400	6,000	7%
Lake Bank Restoration	-	-	14,899	600	-	29,729	-	45,228	59,000	77%
Turbidity Screens	-	-	-	-	-	-	-	-	-	N/A
Erosion Restoration	-	600	-	-	-	-	-	600	-	N/A
Video Stormwater Pipes/Repairs	-	150	7,550	12,350	-	800	-	20,850	55,000	38%
Contingencies	-	-	-	-	-	-	-	-	108,000	0%
<b>Sub-Total:</b>	<b>565</b>	<b>14,189</b>	<b>52,578</b>	<b>36,853</b>	<b>1,297</b>	<b>82,053</b>	<b>8,095</b>	<b>195,630</b>	<b>613,800</b>	<b>32%</b>
<b>Other Current Charges</b>										
Hendry County - Panther Habitat Taxes	-	-	-	-	-	-	-	-	500	0%
Payroll Expenses	-	-	-	-	61	-	-	61	-	N/A
<b>Reserves for General Fund</b>										
Water Management System	-	-	-	-	-	-	-	-	105,000	0%
Disaster Relief Reserve	-	-	-	-	-	-	-	-	95,000	0%
<b>Sub-Total:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>61</b>	<b>-</b>	<b>-</b>	<b>61</b>	<b>200,500</b>	<b>0%</b>
<b>Total Expenditures and Other Uses:</b>	<b>\$ 5,225</b>	<b>\$ 26,520</b>	<b>\$ 59,586</b>	<b>\$ 52,524</b>	<b>\$ 24,023</b>	<b>\$ 100,665</b>	<b>\$ 12,671</b>	<b>\$ 281,215</b>	<b>\$ 952,793</b>	<b>30%</b>
Net Increase/ (Decrease) in Fund Balance	40,087	(1,696)	204,065	340,757	41,249	(60,610)	53,200	617,052	8,075	
Fund Balance - Beginning	633,111	673,198	671,502	875,567	1,216,324	1,257,573	1,196,963	633,111	633,111	
<b>Fund Balance - Ending</b>	<b>\$ 673,198</b>	<b>\$ 671,502</b>	<b>\$ 875,567</b>	<b>\$ 1,216,324</b>	<b>\$ 1,257,573</b>	<b>\$ 1,196,963</b>	<b>\$ 1,250,163</b>	<b>1,250,163</b>	<b>\$ 641,186</b>	

**Miromar Lakes Community Development District**  
**Debt Service Fund - Series 2015 Bonds**  
**Statement of Revenues, Expenditures and Changes in Fund Balance**  
**Through April 30, 2023**

Description	October	November	December	January	February	March	April	Year to Date	Total Annual Budget	% of Budget
<b>Revenue and Other Sources</b>										
Carryforward	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	N/A
<b>Interest Income</b>										
Reserve Account	744	988	1,219	1,391	1,481	1,422	1,611	8,857	12,000	74%
Interest Account	-	-	-	-	-	-	-	-	-	N/A
Sinking Fund Account	-	-	-	-	-	-	-	-	-	N/A
Prepayment Account	15	26	0	-	-	-	15	56	-	N/A
Revenue Account	798	1,065	728	831	885	849	971	6,127	20	30636%
<b>Special Assessment Revenue</b>										
Special Assessments - On-Roll	164	17,352	184,290	243,393	45,625	(54,552)	12,223	448,493	545,565	82%
Special Assessments - Off-Roll	-	-	-	-	-	-	437,218	437,218	349,809	125%
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
<b>Total Revenue and Other Sources:</b>	<b>\$ 1,722</b>	<b>\$ 19,430</b>	<b>\$ 186,237</b>	<b>\$ 245,615</b>	<b>\$ 47,990</b>	<b>\$ (52,281)</b>	<b>\$ 452,037</b>	<b>\$ 900,751</b>	<b>\$ 907,394</b>	<b>N/A</b>
<b>Expenditures and Other Uses</b>										
<b>Debt Service</b>										
<b>Principal Debt Service - Mandatory</b>										
Series 2015 Bonds	-	-	-	-	-	-	-	-	\$ 485,000	0%
<b>Principal Debt Service - Early Redemptions</b>										
Series 2015 Bonds	-	15,000	-	-	-	-	-	15,000	-	N/A
<b>Interest Expense</b>										
Series 2015 Bonds	-	216,125	-	-	-	-	-	216,125	432,250	50%
Original Issue Discount	-	-	-	-	-	-	-	-	-	N/A
Operating Transfers Out (To Other Funds)	-	-	-	-	-	-	-	-	-	N/A
<b>Total Expenditures and Other Uses:</b>	<b>\$ -</b>	<b>\$ 231,125</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>231,125</b>	<b>\$ 917,250</b>	<b>N/A</b>
Net Increase/ (Decrease) in Fund Balance	1,722	(211,695)	186,237	245,615	47,990	(52,281)	452,037	669,626	(9,856)	
Fund Balance - Beginning	970,579	972,302	760,607	946,844	1,192,459	1,240,449	1,188,168	970,579	-	
<b>Fund Balance - Ending</b>	<b>\$ 972,302</b>	<b>\$ 760,607</b>	<b>\$ 946,844</b>	<b>\$ 1,192,459</b>	<b>\$ 1,240,449</b>	<b>\$ 1,188,168</b>	<b>\$ 1,640,205</b>	<b>1,640,205</b>	<b>\$ (9,856)</b>	

Prepared by:

**JPWard and Associates, LLC**

**Miromar Lakes Community Development District**  
**Debt Service Fund - Series 2022 Bonds**  
**Statement of Revenues, Expenditures and Changes in Fund Balance**  
**Through April 30, 2023**

Description	October	November	December	January	February	March	April	Year to Date	Total Annual Budget	% of Budget
<b>Revenue and Other Sources</b>										
Carryforward	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	N/A
<b>Interest Income</b>										
Reserve Account	-	-	-	-	-	-	-	-	-	N/A
Interest Account	0	0	-	-	-	0	0	1	-	N/A
Sinking Fund Account	-	-	-	-	-	-	-	-	-	N/A
Prepayment Account	-	-	-	-	-	-	-	-	-	N/A
Revenue Account	0	0	0	0	6	76	107	190	-	N/A
Escrow Fund Account	-	-	-	-	-	-	-	-	-	N/A
<b>Special Assessment Revenue</b>										
Special Assessments - On-Roll	241	25,446	270,258	356,932	66,908	40,684	21,306	781,774	799,855	98%
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
<b>Total Revenue and Other Sources:</b>	<b>\$ 242</b>	<b>\$ 25,447</b>	<b>\$ 270,258</b>	<b>\$ 356,932</b>	<b>\$ 66,913</b>	<b>\$ 40,760</b>	<b>\$ 21,413</b>	<b>\$ 781,965</b>	<b>\$ 799,855</b>	<b>N/A</b>
<b>Expenditures and Other Uses</b>										
<b>Debt Service</b>										
<b>Principal Debt Service - Mandatory</b>										
Series 2022 Bonds	-	-	-	-	-	-	-	-	\$ 620,000	N/A
<b>Principal Debt Service - Early Redemptions</b>										
Series 2022 Bonds	-	-	-	-	-	-	-	-	-	N/A
<b>Interest Expense</b>										
Series 2022 Bonds	-	112,836	-	-	-	-	-	112,836	203,508	N/A
<b>Original Issue Discount</b>										
Operating Transfers Out (To Other Funds)	-	-	-	-	-	-	-	-	-	N/A
<b>Total Expenditures and Other Uses:</b>	<b>\$ -</b>	<b>\$ 112,836</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>112,836</b>	<b>\$ 823,508</b>	<b>N/A</b>
Net Increase/ (Decrease) in Fund Balance	242	(87,389)	270,258	356,932	66,913	40,760	21,413	669,129	(23,653)	
Fund Balance - Beginning	181,497	181,738	94,349	364,607	721,539	788,452	829,212	181,497	-	
<b>Fund Balance - Ending</b>	<b>\$ 181,738</b>	<b>\$ 94,349</b>	<b>\$ 364,607</b>	<b>\$ 721,539</b>	<b>\$ 788,452</b>	<b>\$ 829,212</b>	<b>\$ 850,625</b>	<b>850,625</b>	<b>\$ (23,653)</b>	