

LAKE COUNTY WATER AUTHORITY
(352) 324-6141
REGULAR MEETING ANNOUNCEMENT AND AGENDA

Wednesday, October 23, 2024
3:30 pm
Lake County Administration Building
2nd Floor – County Commission Chambers
315 Main Street, Tavares, FL 32778

I. CALL TO ORDER/PLEDGE OF ALLEGIANCE

II. MINUTES APPROVAL (Tab 1)

Tab 1 Recommend approval of the following minutes:

- **September 18, 2024 Regular Meeting**

III. ADOPT THE AGENDA

IV. PUBLIC COMMENT

V. CONSENT AGENDA (Tabs 2-9)

<u>Tab 2</u>	Water Resources Monthly Staff Report	Marcia Bush
<u>Tab 3</u>	Woodard & Curran NuRF Monthly Operations Report	Marcia Bush
<u>Tab 4</u>	Opt-Out Live Local	Jimmy Crawford
<u>Tab 5</u>	Approval of 2 nd Amendment to Management Services Agreement	Jimmy Crawford
<u>Tab 6</u>	Approval of Besh/Halff Contract Assignment for 24-W11	Marcia Bush
<u>Tab 7</u>	Approval of Purchase Order for FY 24-25 Insurance Policy Renewal	Marcia Bush
<u>Tab 8</u>	Approval of Addition to Contract 24-W16 for Janitorial Services	Bobby Bonilla
<u>Tab 9</u>	Approval of Lake of the Woods Study	Bobby Bonilla

VI. REGULAR AGENDA (Tabs 10-14)

<u>Tab 10</u>	Woodard & Curran NuRF Hurricane Milton Presentation	Glenn Burden
<u>Tab 11</u>	Emergency Hurricane Milton Response Presentation	Justin Elkins
<u>Tab 12</u>	Hurricane Milton Preserves Presentation	Wendy Poag/ Marcia Bush
<u>Tab 13</u>	Hickory Point Recreation Complex	Angela Harrold/ Lindsaia Johansmeyer

VII. REPORTS

A. Legal Counsel/ Executive Director

VIII. BOARD MEMBER REPORTS AND ITEMS FOR FUTURE AGENDA

IX. ANNOUNCEMENT OF UPCOMING MEETINGS AND EVENTS

Regular Board Meeting – Wednesday, November 20, 2024 (3:30 p.m.)
BCC Chambers/Admin. Building

X. ADJOURNMENT



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

27351 SR 19 • Tavares, Florida 32778-4251 • (352) 324-6141 • Fax (352) 324-6364 • email: info@lcwa.org • www.lcwa.org

TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 17, 2024
RE: Minutes Approval

Consent Agenda – Tab 1

Approval of Meeting Minutes

Please find attached the following Minutes for Approval:

- September 18, 2024 Regular Meeting

Executive Director’s Recommendation:

1. For Board Approval.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

1 A REGULAR MEETING OF THE LAKE COUNTY WATER AUTHORITY BOARD

2 SEPTEMBER 18, 2024

3 The Lake County Water Authority Board met in regular session on Wednesday, September
4 18, 2024 at 3:30 p.m., in the County Commission Chambers, Lake County Administration
5 Building, Tavares, Florida. Board members present at the meeting were: Robert Hendrick,
6 Chairman; Kristan Zenishek, Vice Chairman; Marty Proctor; Trampis Bonjorn; and Richard
7 Donohue. Others present were: Bobby Bonilla, Executive Director of Parks and Water Resources;
8 Jimmy Crawford, LCWA Attorney; and Josh Pearson, Deputy Clerk.

9 CALL TO ORDER/PLEDGE OF ALLEGIANCE

10 Mr. Robert Hendrick called the meeting to order.

11 Mr. Glenn Burden, with Woodard and Curran, gave the Invocation and led the Pledge of
12 Allegiance.

13 APPROVAL OF MINUTES

14 On a motion by Mr. Proctor, seconded by Mr. Donohue and carried unanimously by a vote
15 of 5-0, the Lake County Water Authority (LCWA) Board approved the minutes for the LCWA
16 meeting of August 28, 2024 (Regular Meeting) as presented.

17 ADOPT THE AGENDA – SEPTEMBER 18, 2024

18 Mr. Bobby Bonilla, Executive Director for Parks and Water Resources, requested to move
19 Tab 13 to the consent agenda, and to move Tab 14 ahead of Tab 11.

20 Mr. Richard Donohue asked if the Board could discuss Tab 13 and if it could be left on the
21 regular agenda.

22 On a motion by Ms. Zenishek, seconded by Mr. Proctor and carried unanimously by a vote
23 of 5-0, the LCWA Board approved to adopt the agenda of September 18, 2024.

24 PUBLIC COMMENT

25 No one wished to address the Board at this time.

26 CONSENT AGENDA

27 On a motion by Mr. Donohue, seconded by Ms. Zenishek and carried unanimously by a
28 vote of 5-0, the LCWA Board approved the Consent Agenda, Tabs 2 through 10, as follows:

29 Water Resources Monthly Staff Report

30 Woodard & Curran NuRF Monthly Operations Report

31 Approval of Woodard & Curran Revised Y3 Operating Budget

32 Approval of Annual Contract with USDA for Wildlife Services

33 Approval of Annual Contract with USF for Maintenance of the Lake County Water Atlas

34 Approval of Resource Educator Contract

35 Approval of Funding Request for Various Services

36 Approval to Adopt Lake County Policy LCC-69

37 Approval of LCWA/LCSO Joint Marine Facility Proposal

38 WOLF BRANCH SINK AND LAKE OF THE WOODS WATER STUDY

39 The Chairman opened the floor for public comment.

1 Ms. Ashley Mazur, a resident on Horse Ranch Road, relayed that in 2018 she noticed that
2 the water was not going down when it rained, and that it had risen seven feet. She added that they
3 had lost acreage and property, and that they needed to find out where the extra water was coming
4 from and why it was not decreasing. She relayed that her neighbor had also lost property, and that
5 they could not afford to keep pumping the water. She said that they when they were pumping it,
6 the lake in the Lakes of Mount Dora community was also lowering. She mentioned that they were
7 surrounded by several nurseries that were watering their plants, opining that this was coming down
8 their hill. She related that they had three natural springs, and that it was now a spring that was
9 running significantly.

10 There being no one else who wished to address the Board regarding this item, the Chairman
11 closed the floor for public comment.

12 Mr. Jeff Earhart, Engineering Director for the Public Works Department, stated that the
13 impetus to look at the Lake of the Woods area and the Wolf Branch Sink was the rising water
14 levels in Lake of the Woods, commenting that it was landlocked. He said that they had looked at
15 some of the groundwater contours and that it appeared that the confining layer was flat and that
16 everything came down and stayed there. He showed a map of the area and explained that they
17 started looking at the Lake of the Woods area, noting that there were some springs coming in there
18 and that it was about 40 feet to pump it out; furthermore, staff had talked with the City of Mount
19 Dora about the City potentially using it as an alternate water supply for irrigation, though the City
20 did not have the capacity to do this. He mentioned that staff was also looking at development to
21 the west and that this was something that the study would do. He mentioned that there was also
22 interest in the Wolf Branch Sink and that it could be beneficial to everyone if they took this smaller
23 study and made it larger to answer more questions in a more comprehensive way. He relayed that
24 the intersection of Round Lake Road and Wolf Branch Road had previously been underwater and
25 that the County had been pumping the water. He showed the long-term plan to address this with
26 compensating storage, pointing out a pond that would be associated with Round Lake Road when
27 it was increased to four lanes, noting that it would be raised up. He related that the two floodplain
28 compensating ponds were to take the water before it got to Round Lake Road and let it be stored
29 and infiltrate. He mentioned that the Timberwalk community had an underdrain system, and that
30 much of it was coming under Wolf Branch Road from a nursery. He clarified that the current
31 proposal was more to look at the overall surface water and groundwater levels, along with water
32 quality. He indicated that it was about a \$1.24 million project.

33 Ms. Kristan Zenishek asked if there was any additional information about the lawsuits that
34 the homeowners had two years prior regarding the flooding which began after the development of
35 the neighborhood.

36 Mr. Earhart did not believe that there was a lawsuit, and said that everything which was
37 flooding was within the floodplain; additionally, two years prior the County had tried to meter the
38 water going under Round Lake Road so that it would circle the house rather than flooding it. He
39 added that the County had discussed items with the neighbors such as purchasing the property,
40 though they were not amenable to this. He opined that the best solution was potentially to purchase

1 that house and reestablish the floodplain the way it was meant to be, noting that the residents had
2 done some blocking to protect their property which may be averse to flooding regulations. He said
3 that it should be addressed once the County did their project, that the County had applied for a
4 Federal Emergency Management Agency (FEMA) grant, and that he was expecting to hear back
5 soon. He remarked that the study would give them more information to help define answers, and
6 that he had some solutions not associated with the study that the County was looking to implement
7 in this particular area.

8 Mr. Marty Proctor remarked that he would like to hear which actions had been taken.

9 Ms. Zenishek asked if Round Lake Road and the property with potential retention ponds
10 was City of Mount Dora property.

11 Ms. Earhart clarified that it was within the city limits and that it was owned by Timberwalk,
12 which was still under construction; therefore, staff was working with the Timberwalk Homeowners
13 Association (HOA) to get a drainage and grading easement over that area so that they could use it
14 for open space and buffers, and so the County could use it for stormwater compensating storage.

15 Mr. Mark Troilo, with Halff, explained that the project initially looked at the Lake of the
16 Woods area to determine what was causing higher lake levels, and that it grew into looking at a
17 watershed-scale study to include that area as well as the Wolf Branch Sink, noting that this
18 included some area in Orange County. He reiterated that the project cost was around \$1.25 million
19 and that it would be a comprehensive surface water and groundwater study that would consider all
20 the major draining systems above ground while also incorporating the subsurface conditions.

21 Mr. Donohue relayed his understanding that 52 square miles were in Lake County, and he
22 asked how many miles they were discussing in Orange County.

23 Mr. Troilo responded that it could possibly be 10 miles in Orange County. He then relayed
24 that they were looking at Jones Avenue, which was located in Orange County, and that the majority
25 of the detail for the surface water modeling was focused on Lake County. He remarked that Orange
26 County had an older study for the Apopka Basin that they would use as a starting point, noting that
27 one of the first efforts would be data collection to find available models. He mentioned that they
28 would also be looking at the East Central Florida transient groundwater model as a starting point
29 for the groundwater modeling. He relayed that data collection would include receiving permit files
30 and County files and studies to build the base of the model, and determine which data gaps that
31 they might need to fill. He relayed that they would move into looking at terrain information, and
32 that the State had available light detection and ranging (lidar). He said that they would fill those
33 gaps when moving into developing the model, and that they would be using StormWise which
34 included the groundwater and surface water capability; additionally, the transient model from the
35 University of Florida (UF) Water Institute would build the model. He stated that the project was
36 currently scoped to include an existing conditions analysis and a historic analysis, and that there
37 was also interest in looking at a future condition to make a projection for what would occur in the
38 Wolf Branch Sink and if there was anything at risk so they could take preemptive steps; however,
39 regulation would typically protect this. He said that they included four different design alternatives
40 to address water quality and flooding issues, and to also look at alternate water source projects.

1 He mentioned that they were looking to make this a template to determine if there were any other
2 closed basin areas in the county with similar issues where a solution would be to take water out of
3 a lake and use it as an alternate water source to supplement reclaimed systems. He relayed his
4 understanding that the City of Mount Dora was looking at an expansion of their wastewater
5 capacity, and that his organization could consider whether some of it could be available for projects
6 from this basin to offset potable water uses. He relayed that they were also looking at a pollutant
7 loading analysis for what was going into the Wolf Branch Sink.

8 Mr. Hendrick stated that if there were 15 to 18 acres in Orange County, the LCWA had to
9 consider who was funding it. He asked if all of this scope was based on the whole map with the
10 Orange County portion.

11 Mr. Troilo confirmed this and said that they had laid out a preliminary map for the model
12 to help develop the costs, and that he did not have much detail in Orange County; rather, it was
13 focused in Lake County. He added that there was not much development on the Orange County
14 side and that there was not a real need to add much detail to it.

15 Mr. Donohue remarked that the Jones Avenue corridor was 35 feet lower than Lake Ola,
16 and that water could not go uphill; therefore, he did not think that this was adding to the issues for
17 surface water.

18 Mr. Troilo related that there was a line identifying the groundwater domain of the model
19 that they would be doing and that it stopped short of Jones Avenue. He relayed that Jones Avenue
20 was a detailed part of the modeling only because the interest was to look at the conditions there,
21 and that it did not have anything to do with the Wolf Branch Sink. He clarified that Jones Avenue
22 did not have to be included for the Wolf Branch Sink and Lake of the Woods.

23 Mr. Donohue asked if this would have an effect on the overall cost of this project, and Mr.
24 Troilo confirmed that it would to some extent.

25 Mr. Bonilla clarified that approximately about 35 to 40 percent was in Orange County, and
26 that this would be a multi-stakeholder project including the LCWA, grant opportunities, the City
27 of Mount Dora, and Orange County.

28 Mr. Donohue mentioned that the recommendation on this agenda item was to approve this
29 project and then seek grant opportunities, and he opined that it needed to be done the other way,
30 opining that it was not fair to the Lake County taxpayers.

31 Mr. Hendrick inquired if there was a reason why Orange County was included on this map.

32 Mr. Troilo replied that it was because of the basin divides, because it was tributary to the
33 Wolf Branch Sink, and because it would have an impact on groundwater being captured by the
34 Wolf Branch Sink. He reiterated that they did not have to include much detail in that part of the
35 project, but that they had to account for runoff and groundwater contributions from that part of the
36 watershed.

37 Ms. Zenishek inquired if there was a representative from the City of Mount Dora in
38 attendance, and Mr. Bonilla said that there were none. Ms. Zenishek believed that the City was
39 invited to the current meeting based on this study, and she commented that Round Lake Road was
40 a significant issue which was a large part of this study area. She mentioned that adjacent to

1 Sullivan Ranch on the southern portion of Round Lake Road just south of State Road (SR) 46,
2 there was a new development potentially going in on the Orange County side; therefore, she
3 requested that they take this dip which went west, make it flat and extend it further east because
4 the Lake County Planning and Zoning Board had recently recommended approval of a major
5 project in the Wolf Branch Innovation District directly east of Round Lake Road. She relayed that
6 the intersection of Round Lake Road and Wolf Branch Road was a low, and that the school area
7 was adjacent to this property where the Planning and Zoning Board had recommended approval
8 of several thousand houses and an over 10 million square foot industrial park. She elaborated that
9 at the top of that hill, it would go down toward SR 46 and the Wolf Branch Sink, and that south of
10 Wolf Branch Sink there was Sullivan Ranch which went up to the hill. She opined that the Wolf
11 Branch Sink was being inundated with runoff from both sides, and that this study was significant
12 for the LCWA. She opined that if possible, they needed to expand this study to go further east
13 outside of the new Orange County development because it would affect Lake County. She said
14 that she would be more comfortable tabling this discussion until they could talk to representatives
15 from the City of Mount Dora and Orange County.

16 Mr. Donohue remarked that the scope of this study was to determine the causes of flooding,
17 and that Orange County was currently paving Jones Avenue; therefore, he opined that they had
18 missed the opportunity for future safety improvements to the roadway if this was a goal in the
19 study.

20 Mr. Trampis Bonjorn opined that with the new development, changing the circumference
21 of the study was a good idea. He also opined that it would be smart to meet with everyone to know
22 who would be responsible for different portions of the study; additionally, he opined that if the
23 LCWA made this motion ahead of time, then they could possibly lose people who would have
24 otherwise contributed funding.

25 Mr. Bonilla said that staff wanted to ensure that the recommendation was for discussion
26 and direction and that they did not have to go to item two. He mentioned that staff had changed
27 the radius in conversations with Mr. Earhart, and that they still believed that it should be expanded.
28 He mentioned that staff understood that there were other Counties, including Orange County, that
29 could be part of the solution and the funding commitment.

30 Mr. Proctor said that the Mount Dora South and Mount Dora North developments would
31 be in this area, and he relayed his understanding that developers were typically not leaving the land
32 the way it was; rather, they disrupted the soil including clay layers and surficial aquifer activity.
33 He questioned if the LCWA would be doing a study that would be obsolete shortly after it was
34 finished.

35 Mr. Troilo mentioned that there were regulations in place and that there were new statewide
36 stormwater rules which were more stringent.

37 Ms. Zenishek opined that nothing in this area near the Wolf Branch Sink would apply to
38 the new stormwater rules and that it would fall under the old rules.

39 Mr. Troilo remarked that they tended to see the water and infiltration be focused at the
40 ponds, and that it was typically not more volume because it was the same amount of rainfall,

1 though it reached the sink more quickly because it did not percolate and seep to the sinkhole
2 anymore.

3 Mr. Hendrick opined that this study could be valuable to new developers because they did
4 not know what was occurring underneath it.

5 Mr. Zenishek opined that many of these effects were trickling further to Ms. Mazur's
6 property than what was thought because there had been ponds there 20 or 30 years prior. She also
7 opined that they used to be some of the premier lakes in the City of Eustis, and that they were now
8 feeling the effects of issues occurring around them.

9 Mr. Hendrick indicated his understanding that the lakes were almost dried up around 18
10 years prior, and that the LCWA needed to determine what was occurring and correct it.

11 Mr. David Mazur, a resident on Horse Ranch Road, explained that they had moved 100
12 million gallons of water to a friend's hole closer to County Road (CR) and SR 429, and that the
13 pond which was created had disappeared about five to six weeks later; therefore, he relayed his
14 understanding that it penetrated the ground and went somewhere else. He indicated that five years
15 prior the City of Mount Dora placed a measuring stick in Lake of the Woods, noting that it had
16 dropped to seven feet; additionally, around 18 inches of water decreased in the Lakes of Mount
17 Dora since he pumped his lake. He elaborated that it was stated that there was no proof that the
18 water went from Lakes of Mount Dora to his lake, but in 2019 they had seen that the Lakes of
19 Mount Dora was draining to the dip in Wolf Branch.

20 Mr. Troilo said that it would be key if the residents could help monitor this.

21 Mr. Mazur relayed that they had tested the stream that came down their fence line and that
22 it had fertilizer in it. He also mentioned that there were nurseries nearby.

23 Mr. Troilo asked if the County had a fertilizer ordinance, and Mr. Bonilla confirmed this.

24 Mr. Proctor indicated that the LCWA was being asked to consider spending around \$1.2
25 million, and that he did not recall putting together a bid package or there being an external
26 opportunity for other companies to participate.

27 Mr. Bonilla recalled that at the beginning of the fiscal year, he came before the Board and
28 requested approval to do hydrology studies. He said that the vendors that they had to work with
29 were pre-approved by the County and that this extended to vendors and consultants already
30 working with the Public Works Department. He opined that this was one of the firms that they
31 could potentially work together with since they were already working with the Public Works
32 Department. He added that there would be much duplication of services and that they could reduce
33 the cost of this.

34 Mr. Proctor indicated his understanding that they would be spending around \$1.2 million
35 on a study of studies, opining that the majority of activity early on would be consolidation of data
36 from other sources. He opined that \$1.2 million was a significant amount of funding to put together
37 data that was already existing, and he questioned if there were other suppliers within their approved
38 vendor network that may have the ability to do this work that was more driven by current data and
39 was less study-driven. He remarked that this area was under intense development and many
40 changes in the local hydrology, and he wondered if there was someone else in the ongoing services

1 group that may be able to save the LCWA some funding or bring a different perspective or
2 methodology to this process.

3 Mr. Hendrick said that the LCWA could table this item and come back with a new map,
4 and then they could put this out to bid if needed; furthermore, if this was not needed, then they
5 could use their continuing services agreement with who they had.

6 Ms. Zenishek mentioned that the representatives were not present for these items, and that
7 this was not solely the LCWA's responsibility; rather, it regarded Orange County and the City of
8 Mount Dora. She expressed interest in bringing everyone to the table, to determine what was going
9 on, and to see why things were being allowed to occur like this, opining that these items were not
10 falling into line with things that were going to protect the environment.

11 Mr. Hendrick said that this could include amending the map so that they knew what they
12 were going to study and who was going to do it. He also agreed with Mr. Proctor regarding the
13 best price and doing it correctly.

14 Mr. Troilo remarked that his organization had included a future conditions analysis, and
15 that data was not just what happened in the past. He elaborated that they would pull permit data,
16 and that developments getting ready to go under construction could be included in the model. He
17 agreed that this was not just a Lake County issue and that there were contributions from Orange
18 County; additionally, the City of Mount Dora had some significant details that they were going to
19 include in the model, and the City may possibly be willing to cost share if they found this useful.
20 He reiterated that when he and Mr. Earhart started discussing this, it had been laid out as a template
21 for other studies in other parts of the county, noting that it was written as a comprehensive study
22 that did not have to include all the pieces that the LCWA would need to answer some of the
23 questions.

24 Mr. Donohue commented that the LCWA wanted to help and that they wanted to try and
25 do it the right way and get the right entities involved before they made a \$1.2 million expenditure.

26 Mr. Hendrick asked Mr. Bonilla to see if they could work with the Mazurs to do whatever
27 they could at this point to assist them until the study was done and it was determined how to
28 address this long term.

29 On a motion by Ms. Zenishek, seconded by Mr. Proctor and carried unanimously by a vote
30 of 5-0, the LCWA Board approved to table this item to a future meeting.

31 RECESS AND REASSEMBLY

32 The Chairman called a recess at 4:33 p.m. for five minutes.

33 HARRIS CHAIN OF LAKES – AOPKA BEAUCLAIR CANAL NUTRIENT 34 LOADING REPORT AND RONALD BLACK PROPERTY OPPORTUNITY

35 Ms. Cathie Catusus, Program Manager for the Office of Water Resources, explained that
36 the general nutrients that they were looking at were total nitrogen and total phosphorus, and that
37 there were a variety of sources including waste discharges, atmospheric deposition, agricultural
38 inputs and development. She showed a map of the Ocklawaha River Basin and said that the Upper
39 Ocklawaha Basin Management Action Plan (BMAP) included different projects and entities
40 coming together to improve water quality. She stated that the BMAP had target goals for many of

1 their lakes, and she showed a chart with the goals for a variety of lakes and where the lakes were
2 currently in relation to the targets. She pointed out the average total phosphorus from 2023, which
3 was collected from the Lake County Water Atlas, and clarified that they wanted to be looking at
4 trends rather than just one year. She relayed that Lake Dora was the only lake that met its BMAP
5 target in 2023, and that Lake Apopka was not consistently meeting its target. She related that there
6 was also the total nitrogen which she compiled for the same water bodies, that only Lake Denham
7 and Trout Lake had total nitrogen targets in the BMAP, and that neither of them met their target.
8 She then listed the following loading sources: stormwater runoff and fertilizer from both
9 agriculture and residential; atmospheric deposition; septic tanks; and upstream water bodies. She
10 commented that the largest loading sources for Lake Apopka and Lake Harris for total phosphorus
11 were atmospheric deposition, which they had no influence over, and stormwater runoff. She
12 relayed that for Lake Carlton and Lake Yale, their highest percent was from stormwater runoff,
13 and their second highest percent was from atmospheric deposition. She mentioned that Lake
14 Beauclair, Lake Dora, Lake Eustis and Lake Griffin were being loaded primarily by the upstream
15 water bodies, followed by stormwater runoff for all of them except for Lake Griffin, which had its
16 second highest source coming from atmospheric deposition. She showed a chart for progress on
17 Lake Apopka and said that it had met its 100 percent target and that the 5,000 pounds credit was
18 from the NuRF; additionally, the St. Johns River Water Management District (SJRWMD) had the
19 largest percent for required reductions. She remarked that Lake Beauclair still had much work to
20 go, but that the LCWA's side was looking better when adding in the 5,000 pounds from the NuRF.
21 She relayed that Lake Carlton had specific allocations per entity for the amount of phosphorus that
22 needed to be cleaned up per year, and that the Florida Department of Transportation (FDOT) had
23 exceeded what they needed to clean up; however, the other entities still needed to meet their
24 allocations. She remarked that the LCWA had been doing some sampling in this area to better
25 understand what was occurring, and she showed a map of the area. She described how water was
26 coming in from Duda Road and Jones Road, and she then displayed a map of their project map for
27 sampling. She listed sample locations and said that for the NuRF inflow and outflow data, the
28 phosphorus target of 0.032 milligrams per liter (mg/L) for Lake Beauclair was not being met
29 coming into the NuRF, though they were sometimes meeting the target coming out of the NuRF.
30 She clarified that this data was collected by staff once per month and that there was different data
31 collected by Woodard and Curran twice per week, which was brought into the LCWA for analysis.
32 She showed Woodard and Curran's data which indicated that outflow was meeting the target more
33 often than the LCWA's once per month data, and that when there was higher rainfall, they had
34 peaks over the corresponding inflow for the NuRF. She stated that the next sample site was the
35 canal at Lake Lena Lane and pointed out that the phosphorus numbers were high, noting that the
36 September 2024 result for total phosphorus was 1.23 mg/L; furthermore, they were seeing total
37 nitrogen numbers around the target line. She mentioned that they were seeing high amounts of
38 iron coming out of Lake Lena, which was a nutrient used in farming; therefore, they had been
39 tracking the iron coming out of that location, which was above its target. She said that the water
40 that they were collecting at the Lake Jem Sod Farm had some spikes of phosphorus which could

1 be correlated with rainfall and activities occurring there, and that the total nitrogen was mostly
2 maintaining the target. She commented that the Lake Jem boat ramp phosphorus levels were
3 exceeding the target somewhat, and that the vegetation in the rim ditch canals was helping reduce
4 it, noting that their total nitrogen numbers had been consistently below the target. She remarked
5 that at the Lisa Canal they were seeing high numbers for their total nitrogen, which was only a
6 numeric nutrient criteria target rather than a BMAP target, and that phosphorus was mostly
7 meeting the target. She mentioned that at Lois Bridge they were seeing that the phosphorus was
8 mostly meeting the target and that they had a few spikes where the nitrogen had been above the
9 target. She related that the Tammi Canal had been exceeding the target range for total phosphorus
10 but that they had been fine for total nitrogen. She showed a graph of all the sites put together for
11 total phosphorus and pointed out that the Lake Lena site was the source of some loading, and that
12 the Lake Jem boat ramp had lower numbers. She displayed a similar graph for total nitrogen and
13 relayed that the Lisa Lane Canal was an outlier, which was most likely from septic tanks and
14 possibly fertilizer.

15 Mr. Proctor asked where the Lake Lena Lane sampling site was.

16 Ms. Catatus remarked that if one came off Jones Avenue/Duda Road, it went under CR
17 448 and there was a ditch which Lake Lena Lane ran through, noting that this was where they were
18 collecting it. She added that it was directly west of the end of Jones Avenue/Duda Road.

19 Mr. Bonilla thanked staff for the due diligence they performed efficiently and for saving
20 taxpayer funding by doing this in-house. He said that for many years the Florida Department of
21 Environmental Protection (FDEP) did not acknowledge the work being done at the NuRF and
22 credited the 5,000, noting that staff had brought this up to FDEP. He then recalled that at the
23 previous LCWA meeting the Board approved legislative priorities including the Harris Chain of
24 Lakes and Clermont Chain of Lakes ecosystem and recreation enhancement, and that they would
25 be asking the Florida Legislature to assist with at least \$1 million in funding which the LCWA
26 could match; additionally, staff was looking for other funding options, and stakeholders seeing a
27 price point for Tab 14 let them know that this was the LCWA's starting number and that they could
28 determine how to contribute to this. He mentioned that the legislative priorities that the Board of
29 County Commissioners (BCC) would consider sending to the State would be important for the
30 LCWA and would open up many potential projects and grant funds, noting that requests for the
31 same types of projects would be in perpetuity. He said that staff had considered potential
32 properties that they felt should come before the Board that were contiguous or adjacent to public
33 waterways and were consistent with the purpose and mission of the LCWA and House Bill (HB)
34 1105. He said that the Harris Chain of Lakes was eight times larger than the Clermont Chain of
35 Lakes, that it had springs, and that the water quality was more affected by bottom sediments stirred
36 up by wind. He relayed that this was a major corridor of many areas that needed studies,
37 engineering and to be addressed, and that the Ronald Black property offered items consistent with
38 the LCWA's mission including protecting water resources, protecting plant and wildlife habitat,
39 preserving the ability for the floodplain to filter sediments and nutrients, and providing a critical
40 wetland habitat. He opined that the benefits were far reaching for the public and the environment,

1 and he showed a map of the property, which was 96 acres just before Lake Beauclair and abutting
2 the Apopka Beauclair (AB) Canal off the Florida Audubon Society property. He recalled that the
3 Board had previously considered various properties and that they had executed to move them
4 forward, including the Pine Meadows Conservation Area expansion property of 226 acres and the
5 Robertson property. He mentioned that the Ronald Black property was in a strategic location and
6 that it served the purpose of the LCWA to allow staff to continue to be more efficient and be able
7 to implement much of what needed to be done. He showed a comparison for pricing, noting that
8 it was well within range and that staff felt that the pricing was justifiable; furthermore, it was a
9 long-term solution for the LCWA with many benefits including not having to ask a private property
10 owner to utilize their property. He added that they had navigational markers in the waterways and
11 that this property would assist with this, and that it would also assist with cleanup. He remarked
12 that the requested action was approval of the property and to authorize the Executive Director to
13 work with LCWA legal counsel to execute all due diligence and documentation for the successful
14 purchase of the property, and he related that the Harris Chain of Lakes was just one of many
15 locations that staff would be looking at and bringing back to the Board for consideration.

16 Mr. Proctor relayed his understanding that the backside of the property was the Tammi
17 Canal, which the LCWA knew was a challenge, opining that there was a vocal contingent there
18 that would be the LCWA's neighbors. He questioned how the property would help with nitrogen
19 and phosphorus reduction, relaying his understanding that the property had dikes which would
20 prevent water flowing off the property.

21 Mr. Bonilla said that the County and the LCWA had to meet the FDEP BMAPs, and that
22 the property would be available for credits once it was taken into the next phase. He mentioned
23 that the LCWA would scope the property rather than someone else, which was a significant
24 advantage, and that it would give them a clean canvas to work off to maximize grant opportunities,
25 studies and the work that staff had to do. He added that it gave them another strategic location and
26 that the United States Geological Survey (USGS) monitoring system could be mounted there.

27 Mr. Proctor opined that it was a great opportunity and that the price was reasonable;
28 however, they had not seen the invasive plant or vegetation report, or any core samples to ensure
29 that there was not any material there. He asked that if the due diligence showed that there were
30 excessive invasive plants that would require significant management costs, or if there was
31 chemical involvement which needed to be mitigated, then would the LCWA have the opportunity
32 to modify or back out of this.

33 Mr. Bonilla replied that they would do a phase one and phase two survey if necessary, and
34 that it was no different than the Pine Meadows Conservation Area expansion property or the
35 Robertson property.

36 Mr. Hendrick said that the property was under contract and that there was 150 days for due
37 diligence.

38 On a motion by Ms. Zenishek, seconded by Mr. Proctor and carried unanimously by a vote
39 of 5-0, the LCWA Board approved the acquisition and purchase of the property as outlined in the

1 seller agreement, and to authorize the Executive Director to work with legal counsel to perform all
2 due diligence prior to the closing.

3 WSP CLERMONT CHAIN WATER QUALITY STUDY FINAL REPORT

4 Mr. Lance Lumbard, with WSP, recalled that his organization had conducted several
5 studies in the Clermont Chain of Lakes aimed to identify some of the potential causes of algae
6 blooms in Lake Minneola, and he showed an aerial image of the lake and the magnitude of this
7 algae bloom. He explained that this effort focused on untreated stormwater outfall upstream of
8 Lake Minneola, noting that most of the direct stormwater outfalls to the lake had already been
9 addressed. He specified that most of the outfalls that they focused their efforts on were along
10 Lakeshore Drive and Lake Minnehaha, noting that the outfall eventually went into Lake Minneola.
11 He remarked that total nitrogen and phosphorus were the significant items, particularly total
12 phosphorus, and that they were trying to come up with ways to reduce it. He mentioned that the
13 primary mechanism of doing this was dealing with watershed inputs into the water body.

14 Ms. Zenishek asked if the untreated water was stormwater runoff.

15 Mr. Lumbard confirmed that it was untreated stormwater runoff, and that these were
16 outfalls constructed before there were stormwater rules; therefore, generally any development
17 created before the 1980s had direct drainage that drained runoff straight to the nearest receiving
18 water body. He pointed out that these were not large outfalls, and that it was many relatively small
19 12-inch outfalls with most of them being designed to drain the runoff from the road in this area
20 into the lake. He said that one item was for his organization to evaluate and develop a model that
21 would tell them what kind of concentrations and mass loading was occurring in these sub-basins
22 so that they could be ranked in priority. He showed a map and stated that the red sub-basin 40 was
23 not significantly greater than the orange sub-basins, and that it was red because it was a dense area;
24 furthermore, the loading model said that areas with dense housing generally had more concentrated
25 loading. He remarked that there was not much area to treat stormwater runoff in locations with a
26 significant amount of density, and that they did not have any specific recommendations for this
27 basin. He also related that one of the purposes of this technical report was to prepare a list of
28 possible best management practices (BMPs) that the LCWA and cooperators could collaborate on
29 and implement to reduce loading to Lake Minnehaha and Lake Minneola. He showed a list of the
30 10 alternatives that they looked at and said that the top two were planning alternatives rather than
31 a structural project; additionally, the list also included non-structural BMPs such as shoreline
32 plantings, media applications, and structural BMPs such as pipe-in treatments, baffle boxes and
33 exfiltration systems. He opined that number one was where they had the most opportunity to
34 generate results and that all of the sub-basins were potential areas where they could they could
35 develop things like dispersed water storage, which were the types of strategies that the South
36 Florida Water Management District used to help restore the Everglades and hold water until it was
37 needed to do things like infiltrate it and store it for slower release. He relayed that WSP was
38 currently working on a project for the South Florida Water Management District to store water
39 when it was plentiful in areas that had storage capacity, and that while there were not specific areas
40 where it could be implemented currently in Lake County, they could put some ideas together to

1 move ahead with a plan if the Board and staff were interested. He related that since there were not
2 dispersion basin projects in Lake County, WSP took some of the costs that the South Florida Water
3 Management District had developed for projects that did similar things, and that for a dispersion
4 basin-type project they were looking at around \$1,800 per pound of total phosphorus removed. He
5 said that alternative two was related to preserving and enhancing the properties that Lake County
6 and cooperative agencies already had to improve the functionality of wetlands and how many
7 nutrients they absorbed; additionally, this would not be significantly structural, nor would it be
8 significantly expensive. He added that there could be an opportunity to acquire additional
9 properties that could enhance what they would have already achieved with the existing wetland
10 parcels. He remarked that the third alternative was sediment nutrient inactivation which was one
11 of the cheapest methods of inactivating phosphorus and preventing it from being released into the
12 water column, noting that it was challenging for Lake Minneola as FDEP had not historically
13 permitted sediment nutrient inactivation projects on lakes with sovereign submerged land;
14 additionally, the cost was around \$339 per pound of phosphorus removed. He specified that in
15 this case, they would be utilizing something like a lanthanum-based product rather than alum.

16 Mr. Donohue asked if this would be similar to the Lake Yale project and if there would be
17 an issue with FDEP.

18 Mr. Lumbard confirmed this and said that his organization had been opining that these
19 types of projects needed to be approved by FDEP because there were internal sediment loading
20 considerations that did not receive much attention in the BMAP system or total daily maximum
21 loads (TMDLs) for most of the lakes in Lake County. He relayed that this project would be a
22 targeted application near the swimming areas and the areas where they knew the algae had
23 concentrated, and that it worked better when there was no flow. He said that a curb inlet basket
24 had mesh material which allowed water to flow through it while collecting items such as leaf litter
25 and trash. He mentioned that this required little infrastructure modification but that they required
26 a significant amount of maintenance, and that they could cumulatively have a significant impact;
27 additionally, these items totaled about \$2,500 each which included the structure and the routine
28 maintenance for around \$1,150 per pound of total phosphorus removed. He specified that a
29 number of the displayed locations could be addressed, and that they could continue to expand the
30 project if it worked. He then remarked that living shorelines was a nonstructural project related to
31 identifying areas along the shoreline that were either not functioning well, did not have any plants,
32 or had undesirable plants. He elaborated that this was a way to work with property owners to
33 enhance the nutrient absorption capabilities of the areas, and that the areas could benefit the water
34 quality from rooted vegetation that helped prevent nutrients from moving into the lake. He stated
35 that the cost estimate was around \$2,200 per 100 linear feet, and that FDEP gave a load reduction
36 credit for this type of project, though it was not a significant amount; furthermore, it ended up
37 being about \$7,500 per pound of total phosphorus removed, noting that they would not need to do
38 the entire length of the area. He remarked that Eutrosorb G Media Bags involved putting bags of
39 media at the end of a stormwater outfall and using gravity to move water through it, noting that it
40 would absorb the phosphorus in the stormwater. He then showed a concept of how this could look.

1 Mr. Donohue asked if this was similar to the media bags seen in roadway stormwater
2 drains.

3 Mr. Lumbard replied that those were generally designed to prevent turbidity issues and
4 were intercepting silt and sand, noting that the subject project was the backend of this and that the
5 bags would be placed at the end of the stormwater pipe at the outfall. He elaborated that this
6 specifically targeted the dissolved nutrients that were feeding the algae, and that it was a low
7 involvement and low investment project, noting that they could do a demonstration on one outfall.
8 He stated that the cost was over 20 years and assumed annual maintenance and replacement of the
9 media, along with 12 bags per outfall; however, they could likely do a demonstration with three
10 or four bags for a small project at less than \$10,000 over 20 years. He then relayed that alternatives
11 seven and ten were biofiltration swales and that alternative seven was a bioswale with biosorption
12 activated media to help remove the nutrients. He mentioned that these were expensive options and
13 that alternative seven with the media and the swale could be the lead option to identify a pilot
14 project with the City of Clermont. He showed a diagram of the area where they opined that
15 something like this could work on a small scale, though there was some challenging topography
16 on the shoreline. He said that the cost estimate for the project with the media was around \$6.5
17 million at roughly \$24,000 per pound of total phosphorus removed. He stated that he had
18 previously opined that a baffle box could be a good concept, noting that the pipe which drained
19 the Hooks Street basin was significant; however, the model did not indicate a large amount of
20 loading associated with this basin, and it was high in terms of funding spent per pound of
21 phosphorus removed and was likely not a viable option in terms of cost efficiency. He mentioned
22 that they had also looked at the option of installing an exfiltration system in the Hooks Street
23 drainage basin but had the same issue, reiterating that the runoff model did not indicate that there
24 was enough loading at this outfall to make it worthwhile; therefore, it was not recommended for
25 advancing. He relayed that the next steps included interest in developing a watershed master plan
26 for the Clermont Chain of Lakes and helping the LCWA and the County put something together
27 to help with water quality, water quantity, flood attenuation and groundwater infiltration. He
28 mentioned that this could also provide some opportunities for collaborating and identifying
29 partners for funding.

30 Mr. Hendrick mentioned that the LCWA and the County were working on the sovereign
31 lands issue, and that they would have to find out what the City of Clermont's and the County's
32 level of participation could be.

33 Mr. Proctor relayed that the City of Groveland was purchasing much land in the north end
34 and that while it would not affect Lake Minneola and Lake Minnehaha, it could affect areas
35 upstream and downstream from there. He then remarked that the part of groundwater coming out
36 of septic tanks had not been mentioned.

37 Mr. Lumbard said that this was a previous technical deliverable and that the groundwater
38 loading did not really rank as far as the direct stormwater outfalls. He relayed that there was some
39 septic seepage that came into the lake and that it was mostly nitrogen, noting that their primary
40 target was phosphorus to maintain and manage algae blooms in Lake Minneola.

1 Mr. Proctor inquired what was different about tract 30 near Hooks Street.

2 Mr. Lumbard clarified that it was a combination of land use and soil type which made up
3 the loading model, and that the land use in that area indicated that the nutrient concentration in a
4 typical runoff event was higher. He added that the soil type may also suggest more runoff, noting
5 that this, combined with flow and concentration, gave them their load. He relayed that around the
6 shoreline of the other lands, there would be more loading estimated because the soils were less
7 permeable.

8 Mr. Bonjorn recalled that he had showed Mr. Lumbard the west side where they lost a
9 significant amount of water, and that there were areas where the land had been previously altered.
10 He indicated that all of their water had to come from rain and land there, that it had to come under
11 the road, and that they lost a large amount of water to the west. He expressed interest in moving
12 forward with options and seeing how they could reduce phosphorus and correct issues. He
13 mentioned opportunities in the City of Groveland and City of Clermont swamp, opining that it
14 would not be challenging to test.

15 Mr. Hendrick asked if the Cities of Clermont and Groveland had seen this presentation.

16 Mr. Lumbard relayed his understanding that Ms. Marcia Bush, Associate Director for the
17 Office of Water Resources, had extended them an invitation to the current meeting.

18 Mr. Bonjorn relayed that the LCWA could forward this presentation to Mr. Jim Maiworm,
19 with the City of Clermont.

20 Mr. Hendrick added that Mr. Lumbard could provide the same presentation to Mr.
21 Maiworm and see what response he could get from the Cities of Clermont and Groveland.

22 Mr. Bonjorn said that they could discuss this with individuals, come up with a plan, and
23 bring it back in front of the Board to possibly determine some funding items and see how they
24 could move forward with it.

25 Mr. Bonilla said that staff had reimagined the stormwater grant program to concentrate on
26 nutrient credits, and that the projects mentioned at the current meeting were what the LCWA would
27 like to see from the Cities when they applied for stormwater grants. He relayed that the study had
28 been done by the LCWA which was why they did not want to fund studies any longer, noting that
29 this was a great opportunity for the Cities to use the LCWA's study as a tool to apply for grants.
30 He clarified that it was about the BMAP credits, and said that the Harris Chain of Lakes was in the
31 list of legislative priorities to request support from the State of \$1 million for studies and
32 engineering. He opined that the Cities had to be part of the solution.

33 Ms. Zenishek relayed her understanding that the increase in housing density was affecting
34 the loading, and that the LCWA was an asset to each City in the county who were wishing to
35 expand and develop. She mentioned that there had been over a decade in this area in the City of
36 Clermont that the taxpayers had paid for, and they were now coming back to the LCWA and using
37 taxpayer funding to address what could have been prevented in the first place. She opined that
38 they all needed to work together to help prevent this in the future, and that there would be few
39 things that the LCWA could do to address the issues in the City of Clermont. She opined that they
40 had an opportunity to prevent the erosion of water quality in the City of Groveland, and that it

1 started with the Cities being willing to speak with the LCWA about their plans for development.
2 She stated that before making decisions about Mr. Lumbard's presentation, she would like for him
3 to present this to the City of Clermont, meet with LCWA staff, and address discussion points
4 before moving forward. She opined that this could possibly be a collaboration between the City
5 of Clermont, the LCWA and potentially the BCC to address an issue of this size. She commented
6 that there was also a future opportunity for Cities' public works staff to reach out regarding
7 planning for development.

8 Mr. Donohue said that with option one, the LCWA could potentially tie dispersed water
9 storage areas into recreational uses at the end, similar to Lake Denham, noting that they could
10 potentially have a partner such as the Florida Fish and Wildlife Conservation Commission (FWC).
11 He relayed his understanding that the amount the phosphorus being removed with each of these
12 solutions differed, and said that he liked the media bag item, noting that it was 127 pounds of
13 phosphorus removed per year.

14 Mr. Lumbard added that a watershed-level project could be thousands of pounds removed
15 per year.

16 Mr. Hendrick mentioned that the Cities could come back with requests for funding.

17 Mr. Bonilla recalled that the LCWA had approved for staff to work with EutroPHIX on the
18 alum for the NuRF, and that there was a grant requesting funding for this area.

19 RECESS AND REASSEMBLY

20 The Chairman called a recess at 6:00 p.m. for five minutes.

21 LAKE DENHAM QUARTERLY UPDATE AND FIRST AMENDMENT

22 Mr. Carl Salafrio, Client Services Lead with Barge Design Solutions, said that this was a
23 public/private partnership and that Southeast Soils was the contractor and his client for this
24 restoration project. He showed an image of Lake Denham and the farm where they were doing
25 the project, recalling that it had been a muck farm in operation since the 1940s; however, it had
26 been purchased by the LCWA several years prior with the thought of restoration, and they would
27 be physically removing the soil to remove the phosphorus load from the system. He relayed that
28 about 45 to 48 percent of the load going to Lake Denham was from this farm, and he mentioned
29 that there were two agriculture ponds constructed when it was operated as a muck farm. He
30 specified that the ponds received discharge water from pumping the site, and then it was released
31 into the canal system. He explained that they had completed all the site preparation work and had
32 recontoured the entire berm system around the farm, that they began peat harvesting in June or
33 July 2024, that they had installed their water treatment system with an alum storage tank and a
34 dosing pump, and that they had collected a series of water samples over the last six months. He
35 showed images of the berm, the peat harvesting, the dosing pump, the storage tank, and the
36 monitoring wells and sampling location. He displayed an image of their design with seven cells
37 and explained that the cells were dewatered, that the dewatered body went into the holding pond,
38 and that they stored as much in the holding pond as they could. He remarked that if they had to
39 discharge, then this was when they used the alum injection pond to meet water quality standards
40 before the water reached Lake Denham. He relayed that they would ask for the LCWA's help

1 with the cost of the alum and to bring electric power to the site because it was more efficient to
2 run the pumps and to eliminate their diesel products. He showed their proposed contract
3 amendment and stated that the alum was estimated to cost around \$5,600 per month in a worst-
4 case scenario. He commented that after this was completed, the LCWA would receive the alum
5 injection system, which his organization had already paid for and installed, and that all of the other
6 equipment there would remain. He added that the one-time cost for electric extension would be
7 \$10,000, and that there were some boxes and other items that needed to be installed on the site in
8 addition to just bringing the electric line in, noting that they had already done this. He then showed
9 a slide with their annual costs if they used nine tanks of alum.

10 Mr. Hendrick asked how this was going to be tracked.

11 Mr. Salafrio relayed his understanding that they would keep track of this monthly and that
12 each time they discharged from the site, they tracked the amount of pumping they did and how
13 long they were pumping. He mentioned that they could add tracking for alum usage and submit it
14 to staff on a monthly basis so that staff would have a clear understanding of how much funding
15 was expended in alum.

16 Mr. Donohue recalled that this project was cost neutral for the LCWA when it was
17 approved, and he asked if the alum usage was in the original presentation from Barge Design
18 Solutions.

19 Mr. Salafrio commented that they contemplated two options with one being the storage of
20 water on the site, and the other option being alum; furthermore, when they designed the site, most
21 of what he figured they would use would be the agriculture ponds. He relayed his understanding
22 that this would still be the case, but that there would be some alum needed and they were going to
23 have to discharge under certain storm events, noting that this was where they were asking for help.
24 He relayed that this had been an option in the original contract, though it was silent as to who was
25 providing it. He said that when the LCWA took the site over, it was operating under an agriculture
26 discharge permit, and that this permit had gone away, noting that they were now a restoration
27 project. He elaborated that they had to show FDEP how they were going to address the water
28 quality issue above what the ponds could possibly handle.

29 Mr. Donohoe inquired if this changed it being cost neutral.

30 Mr. Hendrick replied that the funding would cost the LCWA, and he did not think that
31 Barge Design Solutions had contemplated how many yards of dirt and gravel had been placed
32 there, noting that it was likely twice as much as was on the original plan.

33 Mr. Donohue asked if the three-phase electricity was in a place where it would benefit the
34 LCWA at a later date.

35 Mr. Bonilla confirmed this and stated that anytime they brought utilities, they wanted to
36 ensure that it allowed them to put in place the other needed infrastructure at the site.

37 Mr. Bonjorn asked what they would be doing for \$10,000, opining that this was not much
38 funding for a three-phase service.

39 Mr. Salafrio relayed his understanding that this would be for the city running a line.

1 Mr. Matt Biegler, with Southeast Soils, explained that it was a short road and that they had
2 to build a 100-amp service to run the pump system, noting that Southeast Soils was covering the
3 cost for this. He mentioned that he wanted it to be fair and that they were spending more funding
4 than they anticipated on the project because they were doing things right. He added that they
5 would be putting underground power there and that it had been permitted.

6 Mr. Bonjorn said that the roads were great.

7 Mr. Biegler added that it had to be solid so that people could walk or drive there when the
8 LCWA had it for parks and recreation.

9 Mr. Proctor did not think that the LCWA previously had a clear understanding of the scope
10 of the project and what they had taken on as a good partner, and opined that the request was not
11 for extras or bonuses; rather, it was to help cover the cost of enhancements that they were doing.
12 He commented that one of his goals was to end up with a solid road around the property that would
13 be useful for the public, and that he liked the underground utilities. He opined that the project was
14 going smoothly and that the LCWA needed to support their partners, and he asked how much
15 longer they expected to be there.

16 Mr. Biegler replied that it could likely be eight years or less.

17 Mr. Salafrio said that that started with 0.36 to 0.37 mg/L of phosphorus which was a high
18 number, and that they were currently discharging at about 0.15 mg/L; however, the numbers were
19 still high and had to be addressed, tracked and ready for FDEP. He opined that they were making
20 progress and that the public would get a great recreation facility on the site.

21 Mr. Proctor stated that he wanted to continue to support them, noting that it was a local
22 business.

23 Mr. Hendrick relayed his understanding that they did not anticipate this much dirt to
24 stabilize the berms, and opined that they were doing a great job.

25 Mr. Donohue indicated that he had to exclude himself from this vote per the LCWA
26 Attorney's recommendation due to a conflict of interest; however, he supported this item.

27 On a motion by Mr. Proctor, seconded by Ms. Zenishek and carried unanimously by a vote
28 of 4-0, the LCWA Board approved the first amendment to the lease agreement with Southeast
29 Soils, Inc. and to reimburse costs as proposed in the agreement.

30 Mr. Donohue abstained from the vote.

31 REPORTS

32 LEGAL COUNSEL REPORT

33 Ms. Amanda Boggus, LCWA Attorney, said that Mr. Jimmy Crawford, LCWA Attorney,
34 wanted to update the Board individually on different issues as they received more information and
35 responses from other parties.

36 EXECUTIVE DIRECTOR REPORT

37 Mr. Bonilla reminded the LCWA Board that the BCC would have their final public hearing
38 for the fiscal year (FY) 2025 budget on the following Tuesday at 5:05 p.m. in the Board Chambers.

1 BOARD MEMBER COMMENTS AND ITEMS FOR FUTURE AGENDA

2 RICHARD DONOHUE – DISTRICT 5

3 COMMENT ON MEETING

4 Mr. Donohue opined that it was a good meeting.

5 KRISTAN ZENISHEK – DISTRICT 3

6 HICKORY POINT BOAT RAMP

7 Ms. Zenishek remarked that the Hickory Point boat ramp was open as of September 6,
8 2024, that it looked great, and that she had seen boats waiting to utilize it.

9 HICKORY POINT BOARDWALK BROCHURE

10 Ms. Zenishek opined that the new Hickory Point boardwalk brochure that staff created was
11 great.

12 HICKORY POINT VOLLEYBALL SHOWCASE

13 Ms. Zenishek relayed that two weekends prior there was a college showcase for volleyball
14 at Hickory Point, and that she heard great things about it, noting that the only request she heard
15 was for backstops on the lakeside and the west side leading up to the woods.

16 TREATMENTS ON LAKE YALE

17 Ms. Zenishek said that there had been back to back treatments on Lake Yale with
18 ProcellaCOR, relaying her understanding that it was successful in addressing the vegetation for a
19 longer period of time.

20 EDUCATION EVENTS

21 Ms. Zenishek mentioned that there was a Hickory Point education event on wetlands, as
22 well as another event with the Ecosystem Warriors on Crooked River, indicating her understanding
23 that it was a great success.

24 VEGETATION IN HARRIS CHAIN OF LAKES

25 Ms. Zenishek related that there was much floating vegetation through the Harris Chain of
26 Lakes through the St. Johns River which staff had treated recently. She mentioned that FWC
27 declared Astor to be a flood area, and that by preventatively treating these vegetative mats, they
28 could hopefully reduce this chance should some negative weather impact the area.

29 WRITING OPPORTUNITY FOR K-12 YOUTH

30 Ms. Zenishek said that FWC and the Wildlife Forever agency was having a large artistic
31 and creative writing opportunity for K-12 youth, and that this had started in 1997. She added that
32 they had submissions from over 85,000 children in over 46 countries that had applied for this
33 artistic scholarship. She hoped that the LCWA could have this flyer added to their website or
34 distributed to the schools so that they would know submissions were due by February 28, 2025.
35 She elaborated that there were categories for saltwater and freshwater, and that it applied to native
36 Florida fish.

37 APPRECIATION FOR STAFF

38 Ms. Zenishek remarked that she was grateful for everything that staff had done over the
39 past year, opining that it had transformed the LCWA.

1 TRAMPIS BONJORN – DISTRICT 2

2 VISIT TO DAM AND WEIR SITES

3 Mr. Bonjorn related that he and Mr. Justin Elkins, Associate Director for the Office of
4 Water Resources, had recently visited each dam and weir site while everything was running at full
5 capacity.

6 COMMENT ON BOAT RAMP

7 Mr. Bonjorn opined that the new boat ramp looked great.

8 COMMENT ON LAKE YALE

9 Mr. Bonjorn remarked that the LCWA had been dealing with Lake Yale for a significant
10 period of time, and that it was great if they were finally addressing it.

11 MARTY PROCTOR – DISTRICT 1

12 COMPLIMENTING MR. BOBBY BONILLA

13 Mr. Proctor complimented Mr. Bonilla for tying in the projects, for overlapping different
14 areas, and for having a longer view of the projects.

15 FDEP ACQUISITION AND RESTORATION COUNCIL MEETING

16 Mr. Proctor stated that he had sent the Board an email regarding an opportunity to attend
17 the FDEP Acquisition and Restoration Council meeting, and that it was good to see much
18 acquisition activity occurring. He mentioned that he had also provided information about this,
19 noting that this could affect the LCWA as they did their land acquisition.

20 DAM SITUATION

21 Mr. Proctor said that he was receiving many questions on the dam situation and that it was
22 good to know that the LCWA was doing the best they could and that they understood what they
23 were doing. He relayed that he had also sent out an article from the Orlando Sentinel regarding
24 the disparity in the amount of rain falling in limited areas. He elaborated that they were facing
25 some of this with the Palatlakaha River watershed and that this was part of the dam situation,
26 noting that there was only so much that the LCWA could do. He opined that it was being handled
27 very well.

28 INVOLVING CITIES OF GROVELAND AND CLERMONT

29 Mr. Proctor opined that the LCWA could involve the Cities of Groveland and Clermont
30 from a land and grant perspective. He opined that land acquisition and water storage would more
31 likely involve the City of Groveland because they had more wetlands, and that it would improve
32 the water quality of the Palatlakaha River.

33 THANKING STAFF

34 Mr. Proctor thanked staff and opined that they were doing an excellent job.

35 ROBERT HENDRICK – DISTRICT 4

36 MEETING WITH CITIES

37 Mr. Hendrick expressed interest in Mr. Proctor and Mr. Bonjorn meeting with the Cities in
38 their districts regarding the Clermont Chain of Lakes water quality study.

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ROBERT HENDRICK, CHAIRMAN

ATTEST:

GARY J COONEY, CLERK



TO: Lake County Water Authority Board of Advisors

FROM: Marcia Bush, Associate Director, Water Resources

DATE: October 17, 2024

RE: Water Resources Monthly Staff Report

Consent Agenda – Tab 2

Water Resources Monthly Staff Report

Staff has prepared the monthly staff report to provide an update to the Board for the month of September. This report provides a full update of the services, projects, and outreach events that have been performed by Water Resources staff throughout the month.

The attached monthly report is comprised of the following sections:

1. Water Management
2. Dam & Weir Report
3. Aquatic Plant Management
4. Mosquito Management
5. Field Services
6. Land Management
7. Education & Outreach
8. Customer Service Spotlight

Executive Director's Recommendation:

1. For Informational Purposes Only.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue



Lake County
WATER AUTHORITY

WATER RESOURCES MONTHLY REPORT

SEPTEMBER 2024

Staff Reports

- ≈ Water Management
- ≈ Dam & Weir Inspections
- ≈ Aquatic Plant Management
- ≈ Mosquito Management
- ≈ Field Services
- ≈ Land Management
- ≈ Education & Outreach
- ≈ Customer Service Spotlight



Lake County

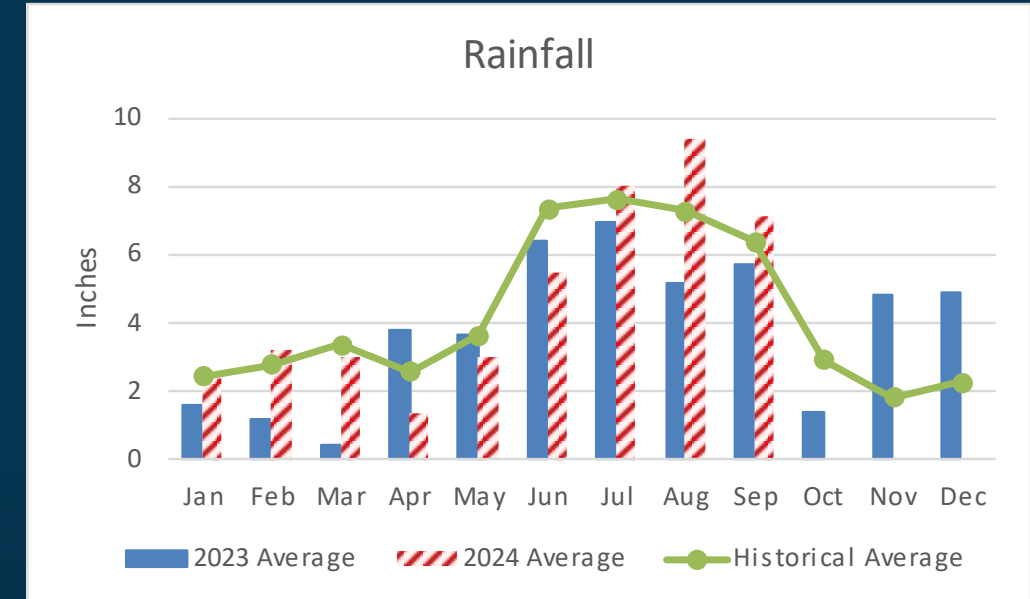
WATER AUTHORITY

WATER MANAGEMENT

Water Management: Palatlakaha River Basin

A. Rainfall – Average rainfall (7.12 inches) for the western side of the county was 0.73 inches more than normal for September (6.39 inches). Average cumulative rainfall for the six stations over the last 12 months was 54.12 inches, which is 3.36 inches more than the historical cumulative average of 50.49 inches. This is 107% of the expected year-to-date rainfall. The 12-month rainfall for the two locations that are in the headwaters of the Clermont Chain (474 and Brown Shinn) was 57.95 inches – 7.46 inches *above* average.

<u>Location</u>	<u>September (inches)</u>	<u>12 Month Running Total</u>	<u>12 Month Surplus/Deficit</u>
474	6.03	51.96	+1.47
Brown Shinn Road	12.47	63.93	+13.44
Villa City	7.40	49.21	-1.28
M-1	6.54	58.74	+8.25
Emeralda	4.41	56.33	+5.84
Tavares	5.85	44.55	-5.94



Water Management: Water Control Structure Report

B. Water Control Structure Report –Average water level during September in Lake Minnehaha was 97.28 ft NGVD 1929, which is 0.89 ft more than the previous month. The September combined flow of Big and Little Creeks averaged 293.89 cfs into Lake Louisa. This flow rate is more than the evaporation rate of 70 cfs so the water level will increase for the upper lakes of the chain. Cherry Lake dam has increased average flow to 261.20 cfs. Villa City dam was opened to 84 units to accommodate higher than normal water flow from Cherry Lake. The lower pool between Cherry Lake and Villa City averaged 94.42 ft throughout September. Water levels as of October 1, 2024, and changes from the previous month are listed below. All water levels were within regulation except for Villa City, M-6, and M-4 as of October 1, 2024. Villa City was 1.07 ft below regulation, M-6 is 0.10 ft above regulation, and M-4 is 0.02 ft above regulation.

C.

Location	Regulatory Range	Upper (ft)	Lower (ft)	Change (upper)
Minnehaha	96.00-97.50	97.32	N/A	+0.37
Cherry Lake	96.00-97.50	96.11	96.00	+0.03
Villa City	94.00-95.50	92.93	92.38	-0.72
M-6A	91.00-92.00	92.10	91.88	+0.48
M-5A	88.25-89.50	89.21	87.34	+0.25
M-4A	83.75-85.00	85.02	83.38	+0.65
M-1	68.00-73.00	71.56	N/A	+0.67

Water levels outside of regulatory range are highlighted in Red.

Water Management: Water Quality – NuRF Inflow/Outflow Monitoring

The NuRF received below average flows throughout September. Flows through the NuRF averaged 11.79 cfs and ranged from 0 to 39 cfs. No water was released through the dam during September. Average flow since February 2004 was 41 cfs.

Average (non-flow weighted) inflow total phosphorus concentration to date is 107 ppb (Figure 2). The NuRF has removed 59% of the incoming total phosphorus mass to date. *The removal percentage does not consider the fact that not all phosphorus exiting the facility is bioavailable.* Average (non-flow weighted) total phosphorus concentration in the NuRF discharge to date is 44 ppb, which is above the Lake Beauclair TMDL of 32.0ppb. The average phosphorus discharged (not bioavailable) from the NuRF during September was 115.4 ppb and the average total phosphorus discharged from the NuRF during the last 12 months was 62.5 ppb (**Figure 2**). Total phosphorus levels coming from the Apopka-Beauclair Canal for the last 12 months averaged 132.1 ppb. The NuRF has removed 53% of the total phosphorus during the last 12 months.

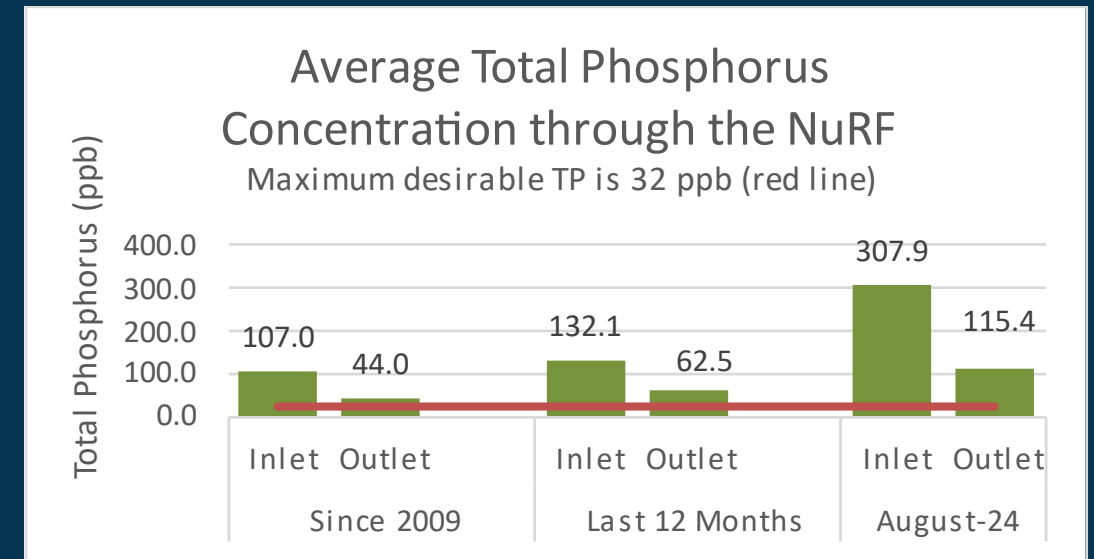


Figure 2. Total phosphorus concentration, based on average flow rate reported by SJRWMD and weekly total phosphorus data, estimated into and out of the facility since the NuRF went into production, during the past 12 months, and during September 2024.

Water Quality – NuRF Vital Statistics

Total Alum Used	21.89 million gallons
Alum Purchased To-Date	\$13,992,541*
Total Water Treated	100.89 billion gallons
Total P Removed	53,722 pounds
Average TP Conc. In	107.0 ppb
Average TP Conc. Out	44.0 ppb

* Since September 1, 2022, there is a 4-5% markup charged by Woodard & Curran operations that is not included in the alum purchase cost listed above

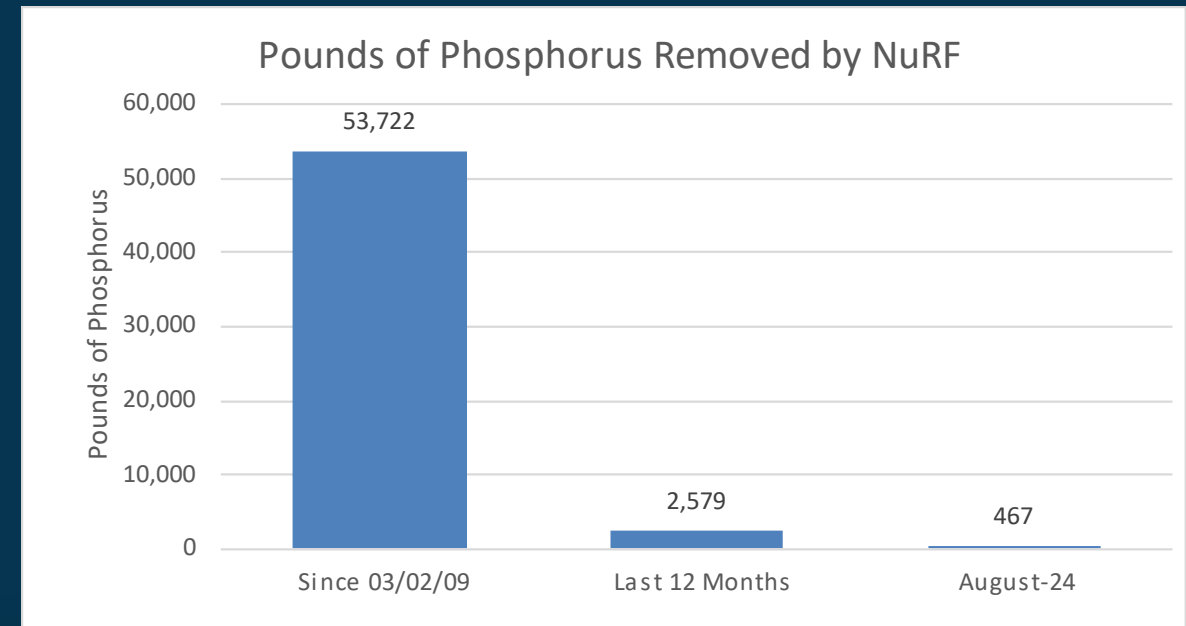


Figure 3. The NuRF's the facility's total phosphorus reduction based on the concentration and flow since the NuRF went into production, for the last 12 months and the month of September 2024.

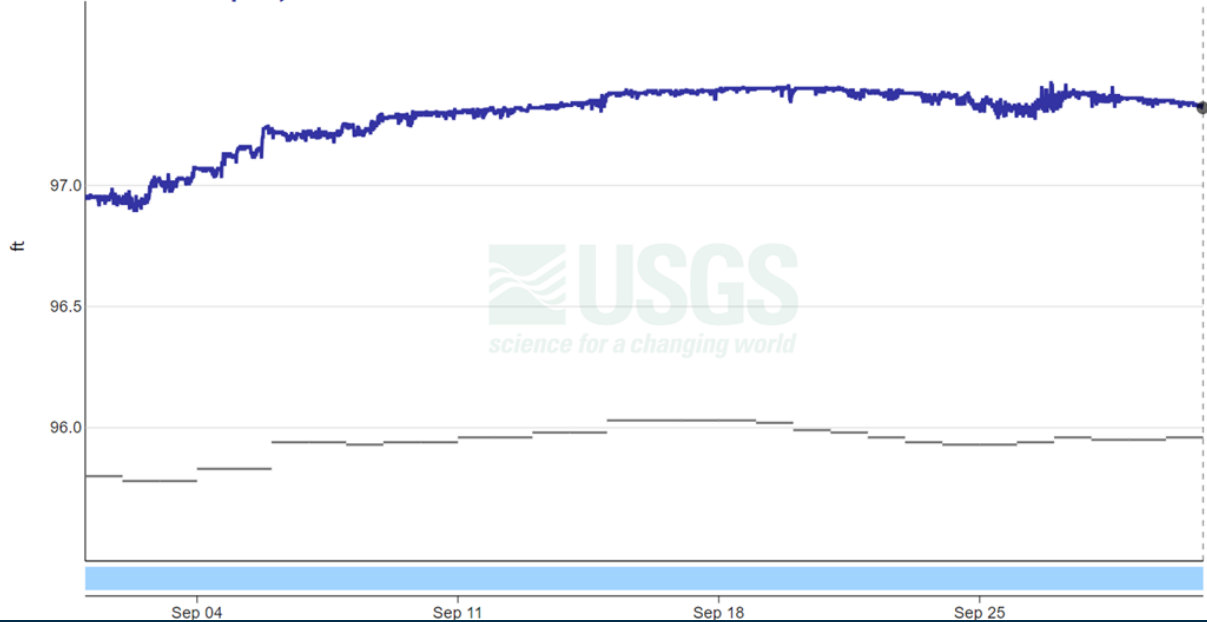
Lake Minnehaha Reporting

Lake Minnehaha at Clermont, FL - 02236840

September 1, 2024 - September 30, 2024

Lake or reservoir water surface elevation above NGVD 1929, feet

97.32 ft - Sep 30, 2024 11:45:00 PM EDT



The maximum desired water level is 97.5ft and the minimum desired water level is 96ft. On the final day of the month in September 2024 the water level was 97.32 ft. This means that at the end of the month the water levels were within regulation for Lake Minnehaha. The gates to the dams were opened on August 27th, 2024, and remains open.

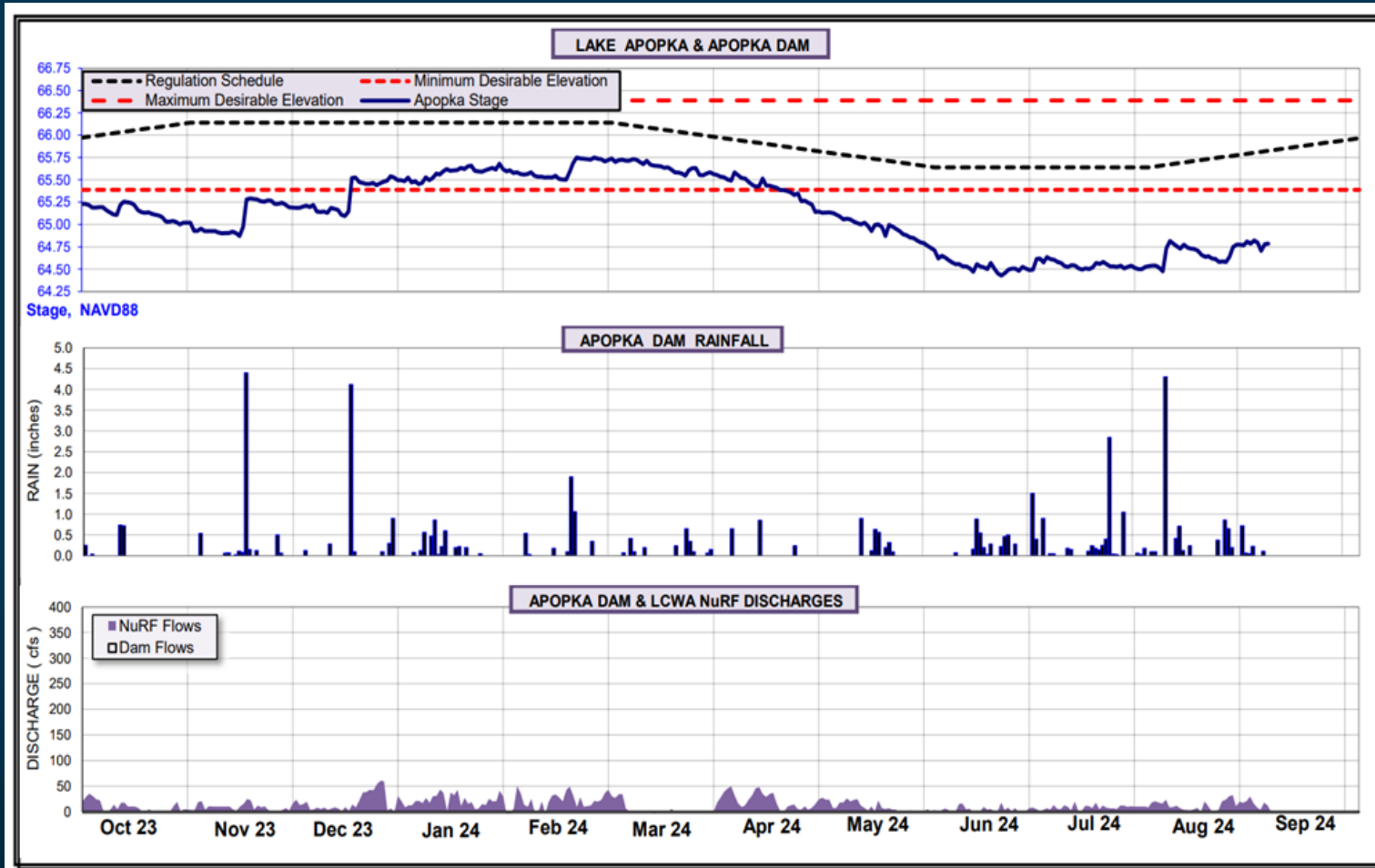


WATER MANAGEMENT

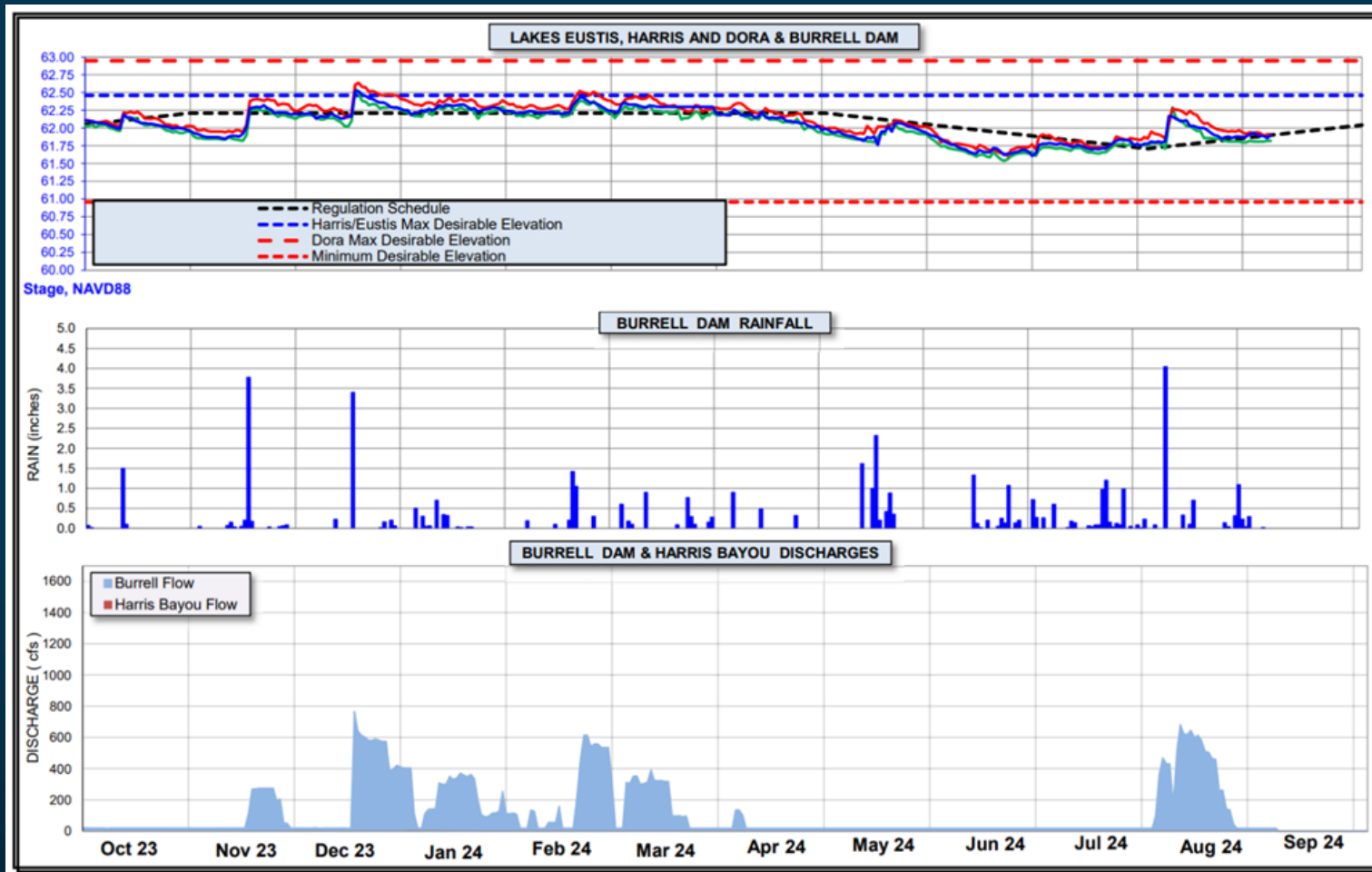
Peak/Current Palatlakaha River Flows and Levels

- Big and Little Creek Combined Flow = 379 cfs / 206.8 cfs
- Cherry Lake Dam Flow = 288 cfs / 281 cfs
- M-1 Flow = 287 cfs / 264 cfs
- Lake Minnehaha Water Level – 96.00-97.5; 97.40 / 97.32
- Lower Chain Water Level – 94.00-95.5; 94.61 / 94.39
- M-6 (near Indigo Rd) – 91.00-92.00; 92.22 / 92.14
- M-4 (Plantation) – 83.75-85.00; 85.08 / 85.02

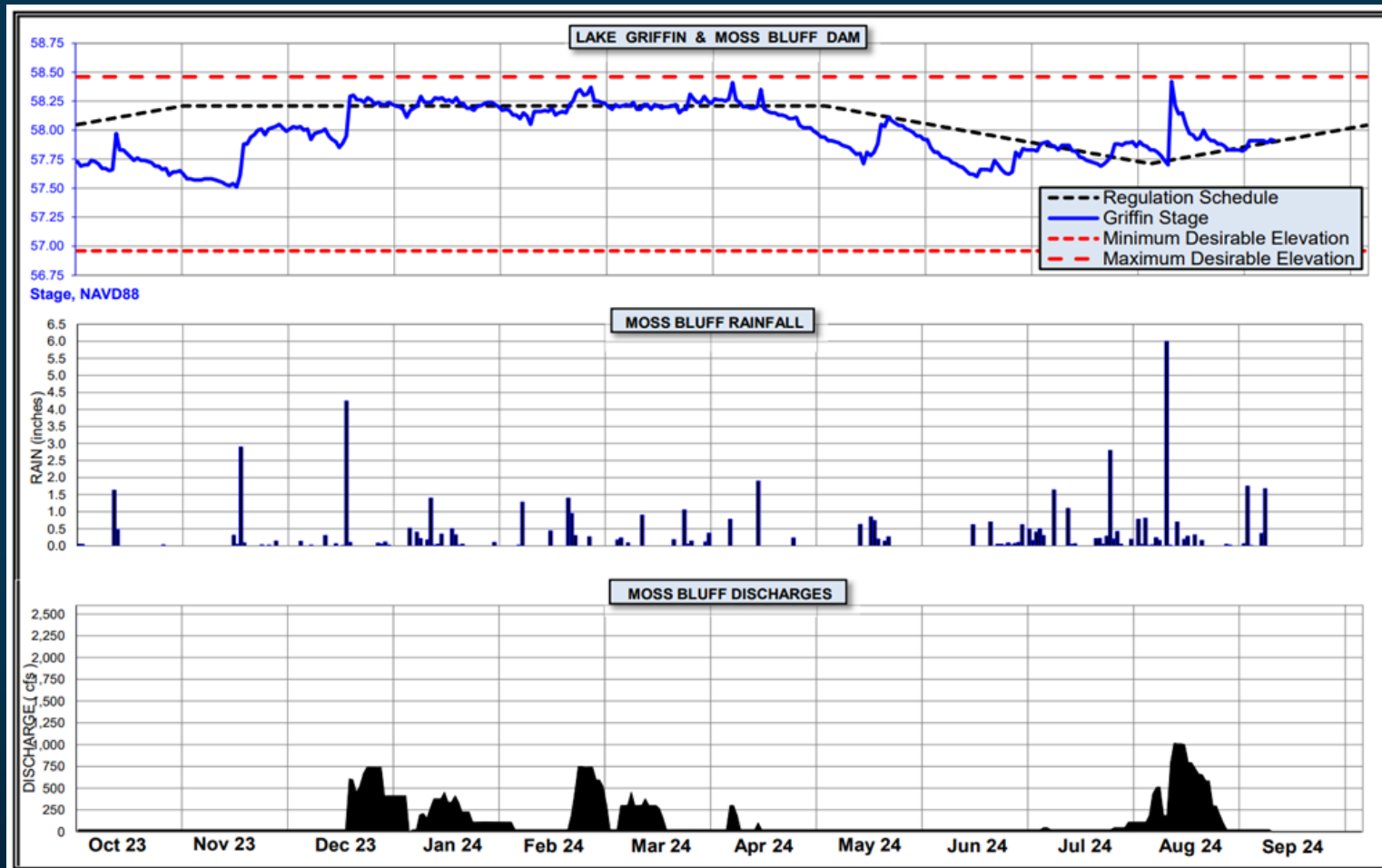
Lake Apopka & Apopka Dam Report



Lake Eustis, Harris and Dora & Burrell Dam Reporting



Lake Griffin & Moss Bluff Dam Reporting





Lake County
WATER AUTHORITY

DAM & WEIR INSPECTION REPORT

DAM & WEIR LOCATIONS

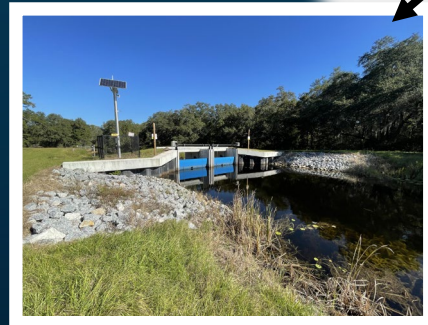
Continuing to provide basic maintenance and repair services at all six damsite locations.



M-4



M-5



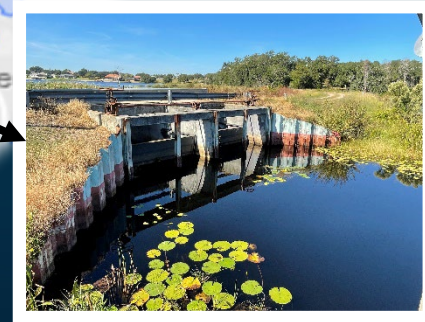
Villa City



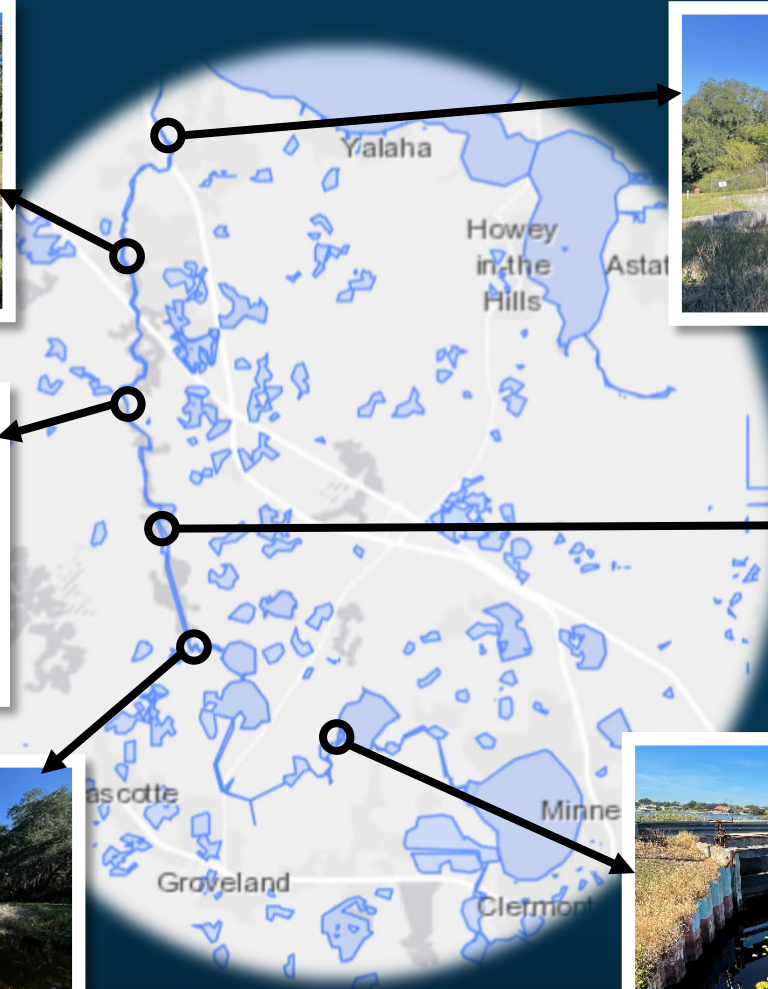
M-1



M-6



Cherry Lake





DAM & WEIR REPORT

Justin Elkins, Associate Director with Water Resources will be covering this item under his presentation under Tab 11.



Lake County

WATER AUTHORITY

AQUATIC PLANT MANAGEMENT

AQUATIC MANAGEMENT

Aquatic Management Update – 9/5/24

Aquatic Plant Management staff treated hydrilla infestations within the Wisconsin and Michigan Canals of Lake Dora, located near the southwest shore. Staff went out several days surveying and treating noxious weeds such as water lettuce on Lake Apopka, within the Shangri-La Canals and Coca-Cola Park of Lake Griffin. Bugg Springs and the Helena Run, between Lake Denham and Lake Harris was surveyed and treated for non-native aquatic plants.

AQUATIC MANAGEMENT

Aquatic Management Update -9/12/24

Aquatic Plant Management staff treated 33 acres of floating aquatic plants on Lake Eustis, Lake Harris, St. Johns River and the Palatka River. The floating noxious weeds that were treated off the St. Johns River in Astor, had the potential to cause drainage issues and flooding by forming large mats that act like dams. This plays an important role as FWC declares the Astor area off the St. Johns River a flood zone due to the high-water levels, and Idle Speed/No Wake signs were put up by law enforcement. Staff will continue to monitor and treat as necessary, so these types of plants don't cause major problems to the flow of water.

AQUATIC MANAGEMENT

Aquatic Management Update – 9/17/24

Aquatic Plant Management staff utilized three airboats to treat 760 acres of hydrilla on Lake Yale with back-to-back treatments. Staff used 232 gallons of ProcettaCOR which is an herbicide that is used to manage aquatic vegetation such as hydrilla and crested floating heart. The benefit of this product is its effectiveness to have longer control over the unwanted vegetation, which reduces the number of times applications are needed. Staff will continue to monitor and treat, as necessary.



Lake County

WATER AUTHORITY

MOSQUITO CONTROL



MOSQUITO CONTROL

Mosquito Management Update - 9/5/24

9/6/24 Update - Mosquito Management staff received 169 service requests for mosquitos and 4 service requests for aquatic midge (blind mosquitos). These numbers tell us the seasonality of the infestations. As the season progresses and the rainfall accumulates, the midge population declines allowing for the adult biting stage of mosquito to increase its range and populations. Due to the trapping data and species identification protocols, staff applied adulticide to 10,850 acres in the areas of Groveland, Mascotte, Sorrento, Mt. Plymouth, and Leesburg. Staff also treated 7 acres within the Mt. Dora, Getford Road, Lake Joanna, and Eustis area with larvicide in attempts to reduce populations of larval mosquitos prior to hatching and becoming biting adults. Extra biological control efforts to larval stage populations were dispatched via mosquito fish, which consume the larval stage mosquito within various flood inundated areas. Additional trapping efforts via CDC light traps with dry ice are being monitored in five areas throughout the county for extra monitoring and control efforts.



MOSQUITO CONTROL

Mosquito Management Update – 9/12/24

Mosquito Management staff received 149 service requests for mosquitos and 3 service requests for aquatic midge (blind mosquitos). With an increase in rainfall and warm weather, staff has been deploying CDC light traps with dry ice in the areas of Fruitland Park, Tavares, Bassville Park and Ferndale to survey adult mosquito populations.

The mosquito trap counts provide staff the data to know where to apply adulticide and how much. Staff applied a total of 9,429 acres within these various areas. Staff also received a call from the Department of Health about a possible dengue case in which staff responded with control efforts to suppress the vector mosquito population and reduce possible transmission. Staff will continue working to treat mosquitos and share educational information to the community to help with preventing breeding habitats.



MOSQUITO CONTROL

Mosquito Management Update – 9/17/24

Mosquito Management staff received 179 service requests for mosquitos and 1 service request for aquatic midge (blind mosquitos). Staff worked with the Florida Fish and Wildlife Hatchery to collect roughly 200,000 native eastern mosquito fish (*Gambusia Holbrooki*) from their ponds to use for biological control in low lying areas that are holding standing water. One adult mosquito fish can consume up to 100 mosquito larvae in one day.

Mosquito Management staff assisted with mosquitos at PEAR Park by tip and tossing containers, and applied larvicide in areas that were breeding. Staff applied adulticide in Grand Island, Picciola, South Harbor Hills, Donna Vista, and Leesburg. They also applied 17.5 acres of larvicide in Leesburg, Okahumpka, and Yalaha.



Lake County

WATER AUTHORITY

LAND MANAGEMENT

Land Management

Staff coordinated site surveys/assessments with contractors at all open properties to include non-native species evaluations and treatments, preparatory RX fire treatments, cultural and natural resource protection needs, inspecting site boundaries, note habitat management or species needs, managing unlawful activities, instructing visitors and general site oversight.

Highlights:

- **Sawgrass Island Preserve**
plantings of 300 LLP and 20,000 native bunch grass plugs and herbaceous plants.
- **Wolf Branch Sink Preserve** tree trimming on all trails and firelines and preparatory treatments for prescribed fire.
- Post Hurricane Milton trails clean-up conducted at all properties.

Land Management

USDA – Third Quarter Report for Animal and Plant Health Inspection Service and Wildlife Services

During the third quarter of fiscal year (FY) 2024 Wildlife Specialist Joshua Snider visited Flat Island Preserve, Fern Prairie Preserve, Treasure Island Preserve, Wolf Branch Sink Preserve, and Hickory Point Recreational Facility.

Flat Island Preserve

Multiple game cameras were deployed to monitor for feral swine. There are two feral swine traps on property in areas previously known to catch feral swine when they are present. Area continues to be monitored for wildlife damage issues and trapping efforts are ongoing.

Fern Prairie Preserve

Joshua patrolled property for wildlife damage issues. There was no sign of feral swine on the property. No coyote tracks or scat was found on the property. Area continues to be monitored for new activity.

Land Management

USDA – Quarterly Report Continued

Treasure Island Preserve:

The area was patrolled for feral swine and coyote sign. No visible sign of feral swine or coyotes was observed. Property will continue to be monitored for wildlife issues.

Wolf Branch Sink Preserve:

The area was patrolled for feral swine and coyote sign. There was no visible sign of feral swine or coyotes on the property, although coyote sign has been observed here in the past. There were several bags of trash scattered just inside the property line that is adjacent to a subdivision. Some bags were caught on the barbwire fence and scattered around. All is most likely from black bears. Property will continue to be monitored for wildlife issues.

Fern Prairie Preserve

Joshua patrolled property for wildlife damage issues. There was no sign of feral swine on the property. No coyote tracks or scat was found on the property. Area continues to be monitored for new activity.



Lake County

WATER AUTHORITY

EDUCATION & OUTREACH

OUTREACH & EDUCATION

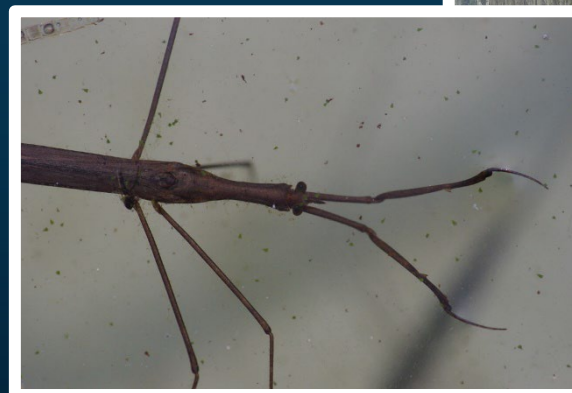
Accomplishment

September 11 Water Wednesday

Educators led a macroinvertebrate class at Hickory Point. Educational stations with electronic microscopes, magnifying lenses and samples of macroinvertebrate larvae were set up.

After dip netting at the waters edge, participants were then able to examine several specimens independently and try to identify them using a dichotomous key and educational materials. Educators provided information on the how wetlands serve as nurseries for the many macroinvertebrate species and the importance of being good stewards of wetlands.

There were 14 participants.





OUTREACH & EDUCATION

Accomplishment

September 12 ModPod School Days

Educators provided an education tour along the Hickory Point Boardwalk on the topic of our Vital Wetlands with the ModPod Homeschool Group.

Educators discussed the importance of wetlands. The flora and fauna were very cooperative, and the group identified a pair of pileated woodpeckers, a banded water snake and many native species of plants, spiders and fungi.

The students were able to identify the boardwalk area as a Hardwood Swamp. During future classes we will be able to visit other preserves in Lake County and learn about the various wetlands there.

There were 22 middle school students and 4 chaperones.



Accomplishment

September 18

Reading with a Naturalist

Educators led a “Reading with a Naturalist” program with a Dragonflies theme. Students enjoyed the story “If You Were a Dragonfly” and a non-fiction book “Becoming a Dragonfly”. We read and discussed how special dragonflies are to the Florida Environment. The children learned the life cycle of the dragonfly, their diet and habitat, and that the dragonfly larvae are used to determine water quality.

To wrap up the program, students were able to make their own dragon fly.

There were 17 participants





OUTREACH & EDUCATION

Accomplishment

September 21

Lake County Waterways Cleanup

LCWA was able to team up with local partners to help clean up Lake Harris and Lake Eustis.

Volunteers reported to 4 locations and collected 1,360 lbs. of litter from in and around the lakes and parks. Partners included the City of Tavares, FWC, Howey-in-the-Hills, Keep Lake Beautiful and Florida Chapter of American Fisheries. Staff were able to speak with 42 residents and volunteers about helping to keep our water ways clean.



OUTREACH & EDUCATION

Accomplishment

September 22 Macroinvertebrates with the Scouts

Educators led a class to teach local cub scout groups about the macroinvertebrates that make their homes in our lakes and streams.

Scouts were able to try on waders and retrieve specimens for examination and identification. They were excited to see the many specimens they found and examine them under microscopes.

There were 45 cub scout participants with siblings and parents.



OUTREACH & EDUCATION

Accomplishment

September 23

Master Naturalist “Swamps” Class

Educators led a class on swamps for the “Master Naturalist” program for students that were accompanied by staff from UF/IFAS. Students hiked the Hickory Point Boardwalk where they were taught about wetland indicators and how to identify both native and non-native wetland plant species.

At the end of the hike a PowerPoint was given on wetlands soils, and there was an interactive station for education on mosquitos and other wetland arthropods.

There were 9 participants.





Lake County

WATER AUTHORITY

CUSTOMER SERVICE SPOTLIGHT



CUSTOMER SERVICE SPOTLIGHT

Customer Service Spotlight

Water Resources staff removed a fallen tree in Haynes Creek and a floating palm tree in the Dora Canal. Staff also worked with a resident on Cherry Lake to deploy “Idle Speed - No Wake When Flooded” buoys around old, submerged dock pilings due to the high-water levels and eroded shorelines.





Lake County
WATER AUTHORITY



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

27351 SR 19 • Tavares, Florida 32778-4251 • (352) 324-6141 • Fax (352) 324-6364 • email: info@lcwa.org • www.lcwa.org

TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 17, 2024
RE: Woodard & Curran NuRF Monthly Operations Report

Consent Agenda – Tab 3

Woodard & Curran NuRF Monthly Operations Report

Please find attached the Monthly Operations Report for September as submitted by Woodard & Curran.

Executive Director's Recommendation:

1. For Informational Purposes Only.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

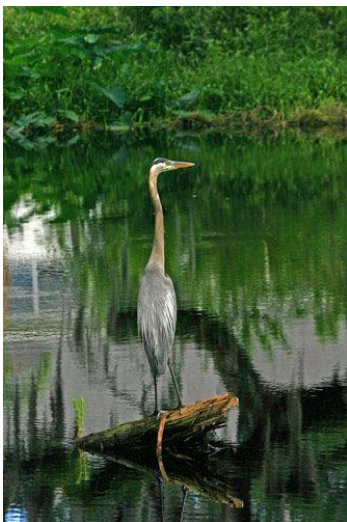


MONTHLY OPERATING REPORT

September 2024

Lake County Water
Authority

Nutrient Removal
Facility



woodardcurran.com

Prepared by:
Eli Willis

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TABLES

Table 3-1: NuRF Daily Readings

Table 3-2: NuRF In-House and LCWA Lab Results (June 2024)

Table 3-3: NuRF In-House and LCWA Lab Results (September 2024)

Table 3-4: NuRF Centrifuge Data

Table 3-5: Off-Site Hauling

Table 4-2: Transition Budget

Table 4-3: Chemical Cost (To include Alum and Polymer)

FIGURES

Figure 3-1: Alum Usage vs Daily Flow

Figure 3-2: Inflow vs Outflow phosphorus with Target Phosphorus

Figure 3-3: Outflow Phosphorus vs Outflow Aluminum Concentration

Figure 3-4: East Pond Sludge Profile

Figure 3-5: West Pond Sludge Profile

EXECUTIVE SUMMARY

This Monthly Status Report covers the reporting period from September 1st, 2024, through September 30th, 2024.

"SAFETY" is always the number one priority at Woodard & Curran. There were no "Loss Time" or "Reportable" accidents to report in September and all required monthly safety training was completed on time. On September 2, 2022, a safety audit was performed at the NuRF which recorded 104 findings that yielded a total of 109 action items to be corrected. The safety audit was completed in October 2023.

The staff dredged primarily the West Pond for the month of September. There are two graphs in Section 3 which represent a sludge profile in each pond using a sludge judge as a measuring tool.

There were 45 dumpsters of fresh sludge hauled away from the NuRF for the month of September. A daily breakdown table is located in Section 3.

The NuRF flow averaged 10.66 CFS for the entire month of September, all of which was through the West Pond. There was a total of 52,206 gallons of alum used.

Sludge was processed from the settling ponds through the centrifuge for 16 days during September for a total of 171.60 hours. The staff has determined that the centrifuge produces an average of 5 yards of sludge cake per hour. Based on an average cake solid of 19%, this means that the centrifuge produces 0.95 yards of dry solids per hour.

There were 12 loads of Alum delivered to the site for the month of September.

1. ADMINISTRATIVE

1.1 Woodard & Curran Regional Office

Woodard & Curran, Inc.
1511 N Westshore Blvd.
Tampa, FL 33607

1.2 Site Visits

- On September 20th, Lake County staff were on site.
- On September 30th, Ozman Solutions were on site to discuss their sludge proposal for the upcoming project Y3.

1.3 Upcoming Site Visits

Woodard & Curran SCADA technicians will be on-site for multiple days during the month of October in preparation for the SCADA upgrade and installation of the phosphorus meters.

2. PLANT SAFETY

2.1 Safety Training

- The staff completed on-line training on "Using Eyewash and Emergency Showers". Woodard & Curran utilizes Pure Safety for monthly safety training. The staff also participates in daily safety tailgate meetings to discuss activities planned for the day.
- The staff conducted annual safety training to include confined space entry, LOTO, Bloodborne Pathogen and Emergency Response plan.

2.2 Lost Time/Reportable Accidents

- There were no "Loss Time" or "Reportable" accidents reported at the NuRF for the month of September.

2.3 Safety Audit

On September 2, 2022, a safety audit was performed at the NuRF which recorded 104 findings that yielded a total of 109 action items to be corrected. Woodard & Curran's goal is to have these areas 100% compliant within one year, except for items that require funding from Capital.

As of January 31st, 2023, all items of the safety audit have been completed and the audit has been closed out.

2.4 Miscellaneous Safety

All W&C personnel assigned to the NuRF project are participating in the "Safe People are Recognized as the Key to Success" (SPARKS) program. Employees who stay current on their monthly safety training, participate in monthly safety meetings, and who do not incur lost time from a work-related accident, are eligible to receive a SPARKS bonus at the end of the year. This bonus begins at \$200.00 and can reach \$500.00 based upon five successive years of meeting SPARKS goals. As of September 31st, all employees have met their annual SPARKS requirements.



3. PLANT OPERATION

3.1 NuRF Daily Readings

Table 3-1: NuRF Daily Readings

Date	Average Daily CFS Flow cfs	Daily Discharge cfd	Outfall Level Number	Rainfall inches	Inflow pH SU	Outfall pH SU	Alum usage gal	Alum Dose Rate %
9/1/2024	16.78	1,450,000					2,086	
9/2/2024	10.42	900,000					2,086	
9/3/2024	11.46	990,000	63.70	0.20	7.63	7.10	2,138	100
9/4/2024	17.13	1,480,000	63.70	0.19	7.72	7.16	3,188	100
9/5/2024	18.40	1,590,000	63.80	1.30	7.70	7.25	3,458	100
9/6/2024	15.51	1,340,000	63.80	0.21	7.59	6.82	2,358	120
9/7/2024	10.53	910,000					2,358	
9/8/2024	15.51	1,340,000					2,358	
9/9/2024	23.38	2,020,000	63.80	1.43	7.23	6.50	3,734	100
9/10/2024	25.00	2,160,000	63.80	0.47	7.44	6.21	4,028	100
9/11/2024	22.80	1,970,000	63.80	0.04	7.45	6.45	2,690	100
9/12/2024	21.64	1,870,000	63.80	0.28	7.50	6.76	2,078	60
9/13/2024	15.16	1,310,000	63.80	0.01	7.48	7.14	707	60
9/14/2024	5.44	470,000					707	
9/15/2024	0.00	0					708	
9/16/2024	0.00	0	63.80	0.24	7.39	7.34	0	60
9/17/2024	0.12	10,000	63.80	0.00	7.38	7.48	18	60
9/18/2024	2.89	250,000	63.80	0.00	7.39	7.40	254	60
9/19/2024	0.81	70,000	63.80	0.00	7.39	7.53	70	60
9/20/2024	0.58	50,000	63.80	0.00	7.42	7.45	78	60
9/21/2024	0.69	60,000					78	
9/22/2024	1.27	110,000	63.80				136	
9/23/2024	0.00	0	63.80	0.00	7.42	7.61	136	60
9/24/2024	0.00	0	63.80	0.00	7.51	7.43	126	60
9/25/2024	26.74	2,310,000	63.80	0.00	7.73	7.74	4,518	60
9/26/2024	56.60	4,890,000					4,518	
9/27/2024	21.41	1,850,000	63.80	1.01	7.59	7.71	1,959	60
9/28/2024	21.41	1,850,000					1,959	
9/29/2024	18.40	1,590,000					1,960	
9/30/2024	17.71	1,530,000	63.80	0.08	7.59	6.42	1,714	70
Minimum	0.00	0	63.70	0.00	7.23	6.21	0	60
Maximum	56.60	4,890,000	63.80	1.43	7.73	7.74	4,518	120
Average	13.26	1,145,667	63.79	0.29	7.50	7.13	1,740	76
Total		34,370,000		5.46			52,206	

3.2 NuRF In-House and LCWA Lab Results

Table 3-2: NuRF In-House and LCWA Lab Results (August 2024)

Date	Inflow TP Lab mg/l	Inflow TP In- House mg/l	Outflow TP Lab mg/l	Outflow TP In- House mg/l	Inflow Al Lab µg/L	Inflow Al In- House µg/L	Outflow Al Lab µg/L	Outlet Al In- House µg/L	Inflow Turbidity In-House NTU	Outflow Turbidity In-House NTU
8/1/2024	0.054	0.23	0.055	0.18	103	38	909	326	7.30	2.90
8/2/2024		0.19				23		297	14.73	4.30
8/3/2024										
8/4/2024										
8/5/2024	0.123	0.21	0.176	0.15	202	47	1110	311	14.63	4.62
8/6/2024		0.26		0.18		48		341	18.89	4.87
8/7/2024		0.32		0.16		37		370	18.74	7.32
8/8/2024	0.293	0.28	0.092	0.24	238	36	765	378	18.81	10.84
8/9/2024		0.39		0.22		52		416	18.93	9.31
8/10/2024										
8/11/2024										
8/12/2024	0.339	0.35	0.289	0.39	314	118	543	145	13.56	8.07
8/13/2024		0.34		0.35		32		164	14.20	10.02
8/14/2024		0.26		0.26		29		193	12.40	10.21
8/15/2024	0.174	0.27	0.173	0.28	384	33	654	231	15.59	12.51
8/16/2024		0.28		0.19		32		270	15.72	5.13
8/17/2024										
8/18/2024										
8/19/2024	0.158	0.21	0.093	0.21	232	46	618	258	14.44	10.60
8/20/2024		0.21		0.18		426		263	16.43	10.45
8/21/2024		0.22		0.17		25		212	16.53	4.27
8/22/2024	0.124	0.25	0.009	0.17	257	31	673	199	17.15	4.43
8/23/2024		0.26		0.16		45		238	19.90	4.29
8/24/2024										
8/25/2024										
8/26/2024	0.267	0.42	0.113	0.26	194	35	828	211	15.07	7.76
8/27/2024		0.36		0.26		25		236	12.94	7.39
8/28/2024		0.29		0.18		24		307	11.56	4.04
8/29/2024	0.389		0.075	0.22	133	29	740	245	11.07	4.15
8/30/2024		0.44		0.19		27		281	16.40	5.35
8/31/2024										
Minimum	0.054	0.19	0.009	0.15	103	23	543	145	7.30	2.90
Maximum	0.389	0.44	0.289	0.39	384	426	1,110	416	19.90	12.51
Average	0.213	0.29	0.119	0.22	229	56	760	268	15.23	6.95

3.3 NuRF In-House and LCWA Lab Results

Table 3-3: NuRF In-House and LCWA Lab Results (September 2024)

Date	Inflow TP Lab mg/l	Inflow TP In- House mg/l	Outflow TP Lab mg/l	Outflow TP In- House mg/l	Inflow Al Lab µg/L	Inflow Al In- House µg/L	Outflow Al Lab µg/L	Outlet Al In- House µg/L	Inflow Turbidity In-House NTU	Outflow Turbidity In-House NTU
9/1/2024										
9/2/2024										
9/3/2024	0.165	0.24	0.090	0.15	337	54	651	137	19.31	13.37
9/4/2024		0.25		0.22		41		161	19.37	12.01
9/5/2024	0.165	0.29	0.064	0.23	389	47	654	151	18.80	9.71
9/6/2024		0.83		0.24		26		164	12.16	6.15
9/7/2024										
9/8/2024										
9/9/2024	0.961	1.84	0.245	0.43	194	26	1010	487	13.80	7.37
9/10/2024		2.18		0.31		34		346	6.01	5.09
9/11/2024		1.55		0.52		26		606	8.89	6.91
9/12/2024	0.514	1.15	0.203	0.49	85	18	1310	619	7.81	7.34
9/13/2024		0.95		0.43				502	7.32	6.41
9/14/2024										
9/15/2024										
9/16/2024	0.157	0.36	0.176	0.33	155		554		13.09	10.61
9/17/2024		0.28		0.29					12.26	10.98
9/18/2024		0.27		0.28					11.36	10.02
9/19/2024	0.243	0.17	0.111	0.30	167		376		13.59	10.64
9/20/2024		0.26		0.25					15.89	11.80
9/21/2024										
9/22/2024										
9/23/2024		0.28		0.29					18.40	11.73
9/24/2024		0.25		0.23					19.64	10.76
9/25/2024		0.23		0.20					18.46	11.28
9/26/2024										
9/27/2024		0.27		0.17					12.37	4.77
9/28/2024										
9/29/2024										
9/30/2024		0.36		0.20					15.23	5.52
Minimum	0.157	0.17	0.064	0.15	85	18	376	137	6.01	4.77
Maximum	0.961	2.18	0.245	0.52	389	54	1,310	619	19.64	13.37
Average	0.368	0.63	0.148	0.29	221	34	759	353	13.88	9.08

3.4 NuRF Centrifuge Data

Table 3-4: NuRF Centrifuge Data

	Centrifuge Scroll Motor Run Times	Centrifuge Sludge Pump Run Time	Centrifuge Sludge Flow	Centrifuge Polymer Flow Rate	Centrifuge Feed Solids Concentration	Dry LBS of Sludge Disposed
Date	hours	hours	gpm	gph	mg/L	lbs
9/1/2024						
9/2/2024						
9/3/2024	14.70	13.00	260	6.0	13,982	23,648
9/4/2024	8.40	4.00	270	6.0	10,483	5,665
9/5/2024	11.70	11.20	270	6.0	14,515	21,964
9/6/2024	14.50	13.50	260	6.0	14,841	26,067
9/7/2024						
9/8/2024						
9/9/2024	13.90	11.20	260	6.0	14,249	20,763
9/10/2024	14.30	13.70	260	6.0	15,773	28,114
9/11/2024	14.40	13.70	260	6.0	14,972	26,686
9/12/2024	14.60	11.70	255	6.0	15,520	23,170
9/13/2024	14.20	12.80	255	6.0	12,397	20,248
9/14/2024						
9/15/2024						
9/16/2024	14.60	13.70	255	6.0	10,736	18,768
9/17/2024	14.50	13.80	265	6.0	10,720	19,617
9/18/2024	14.60	13.90	330	6.0	12,575	28,864
9/19/2024	11.00	10.30	350	6.0	18,079	32,613
9/20/2024	14.50	13.60	240	5.6	14,583	23,818
9/21/2024						
9/22/2024						
9/23/2024	3.40	1.50	280	5.6		
9/24/2024	0.10	0.00	325	6.0		
9/25/2024	0.10	0.00	325	6.0		
9/26/2024						
9/27/2024	0.00	0.00	325	6.0		
9/28/2024						
9/29/2024						
9/30/2024	0.00	0.00	325	6.0		
Minimum	0.00	0.00	240	5.6	10,483	5,665
Maximum	14.70	13.90	350	6.0	18,079	32,613
Average	10.18	9.03	283	6.0	13,816	22858
Total	193.50	171.60				320,008

3.5 Off-Site Hauling

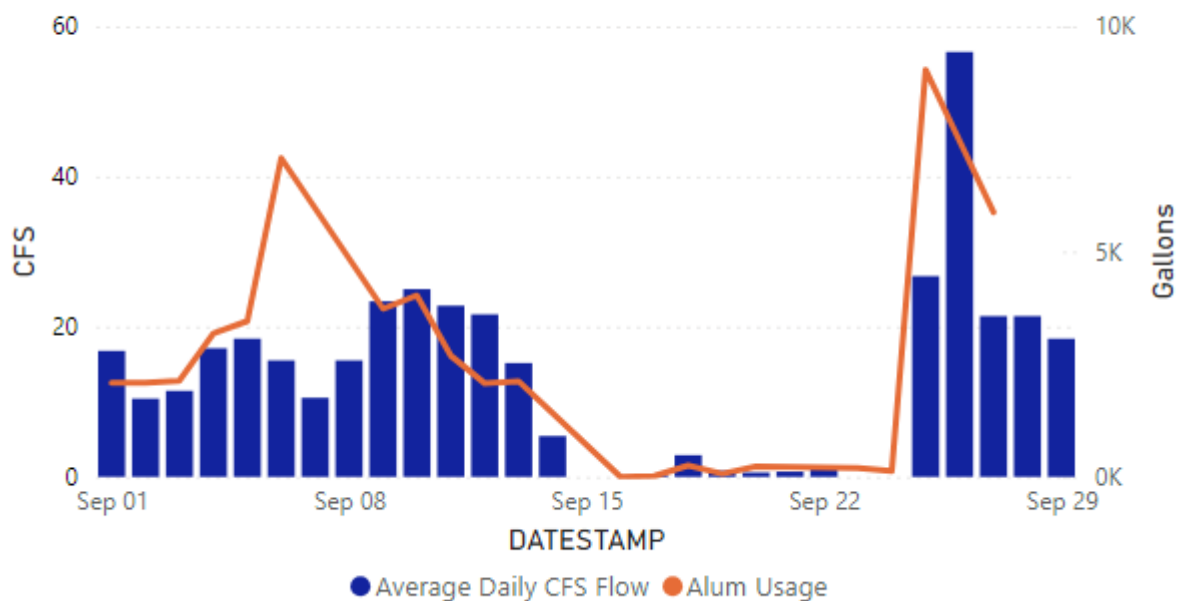
The data below represents the total number of dumpsters of centrifuge solids hauled each day by roll off dumpster. There were 45 total dumpsters hauled from the site.

Table 3-5: Off-Site Hauling

DATE	DUMPSTERS HAULED	DATE	DUMPSTERS HAULED	DATE	DUMPSTERS HAULED	DATE	DUMPSTERS HAULED
9/3/24	4	9/20/24	2				
9/4/24	8	9/23/24	8				
9/17/24	10	9/25/24	2				
9/18/24	3	9/30/24	4				
9/19/24	4						

Figure 3-1: Alum Usage vs Daily Flow

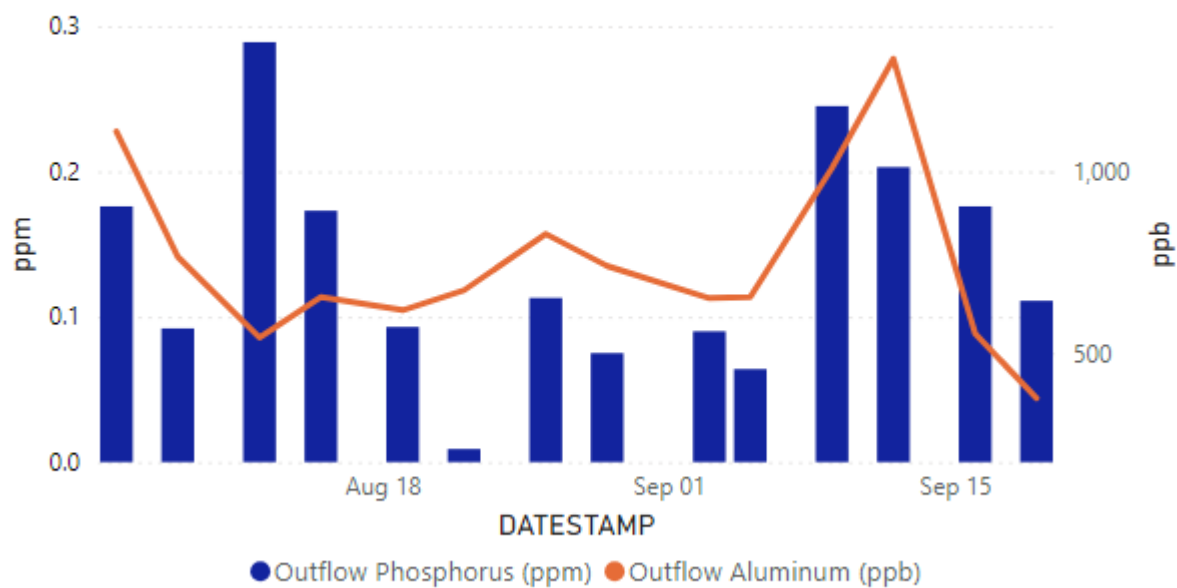
Daily Flow vs Alum Usage



* Awaiting Laboratory results to populate the removal rates for the second half of the month.

Figure 3-3: Outflow Phosphorus vs Outflow Aluminum Concentration

Outflow Phosphorus vs Outflow Aluminum Concentration



Awaiting Laboratory results to populate the removal rates for the second half of the month.

Figure 3-4: East Pond Sludge Profile

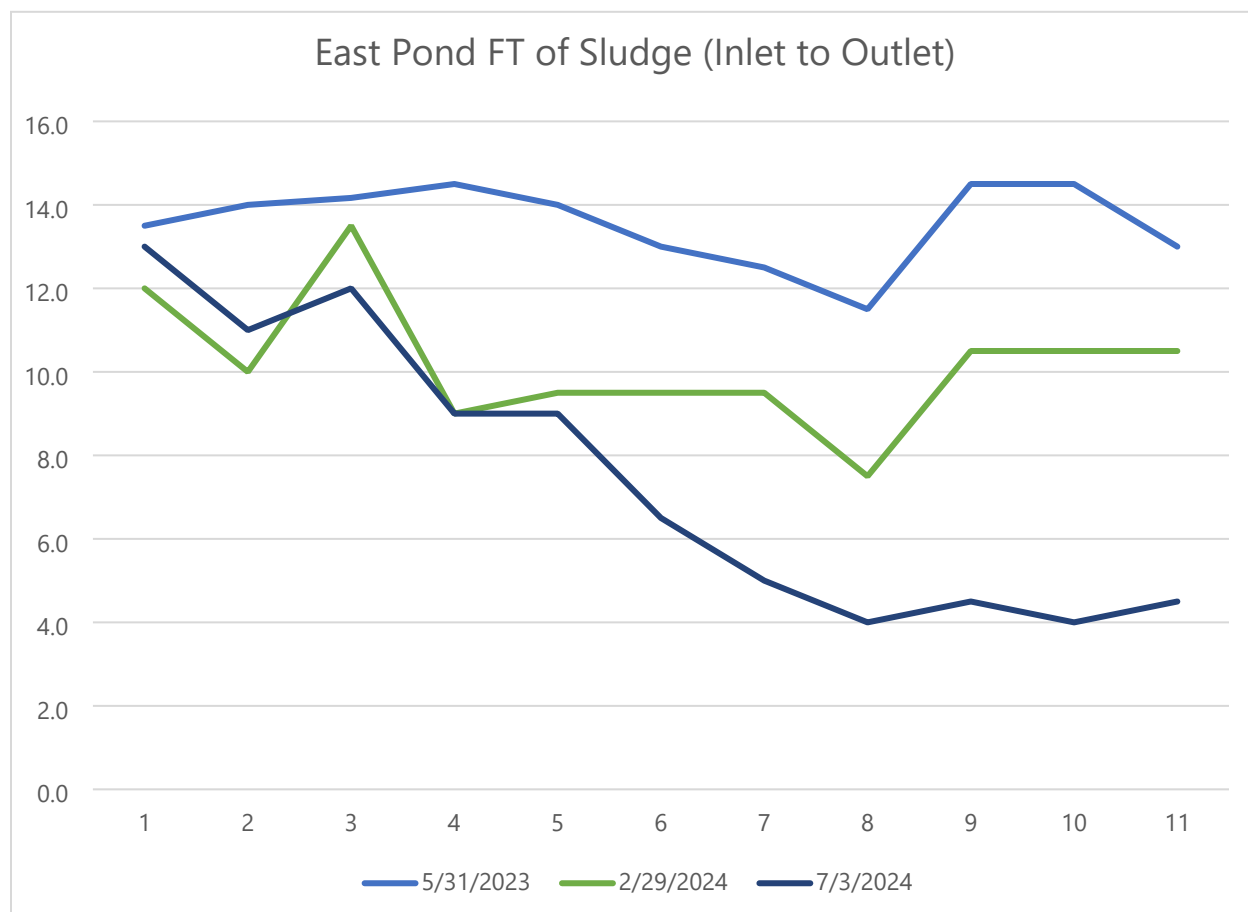
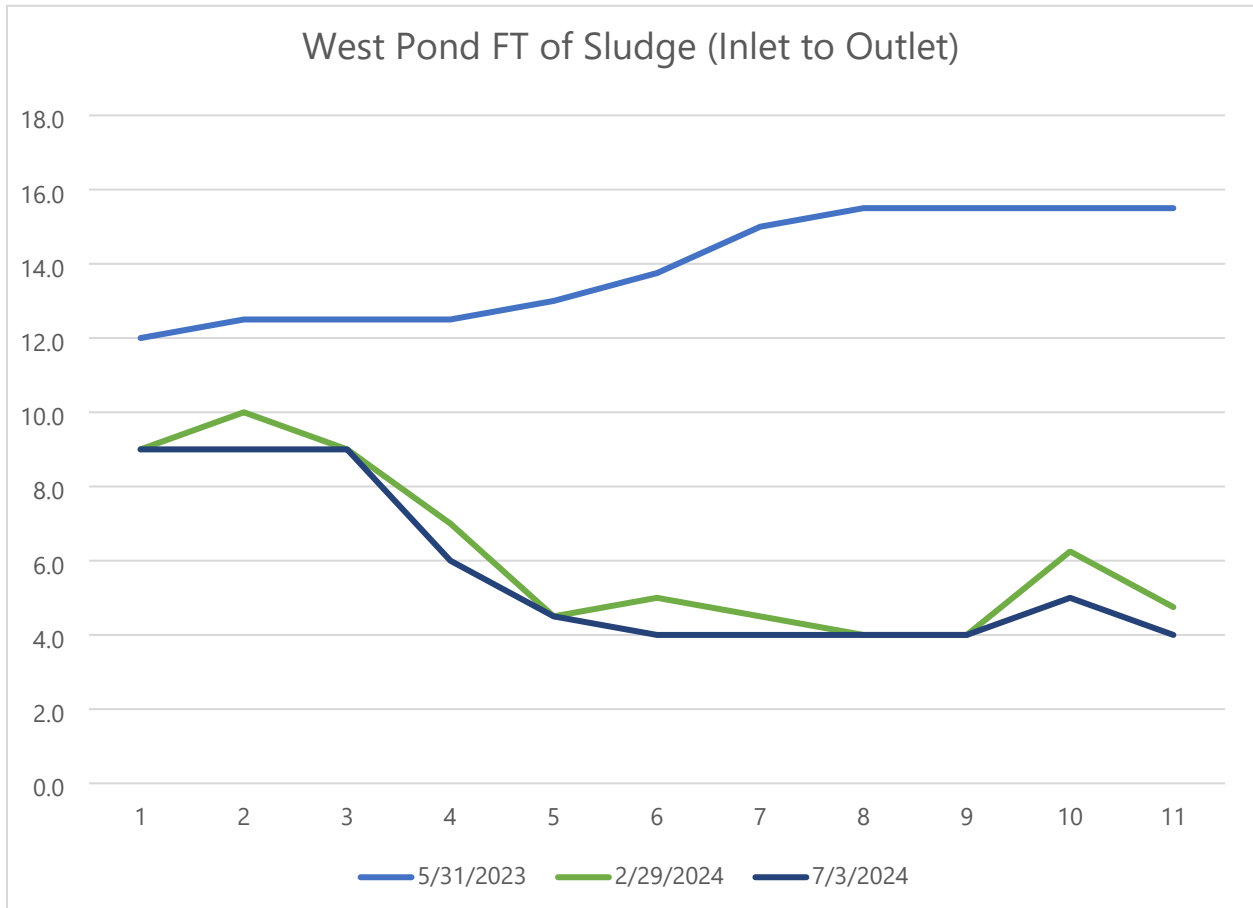


Figure 3-5: West Pond Sludge Profile



4. FINANCIAL UPDATE

Table 4-1: Financials

Budget Category	Month Actual	Month Budget	YTD Actual	YTD Budget	Annual Budget	Over (Under)	% Of budget
Labor (D.L. + FB)	\$ 38,435	\$49,815	\$391,335	\$597,777	\$597,777	(\$206,442)	65%
Utilities	\$10,702	\$9,083	\$64,409	\$109,000	\$109,000	\$0	59%
Chemicals Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Maintenance and Repair Costs	\$40,440	\$14,708	\$159,430	\$176,500	\$176,500	(\$17,070)	90%
Sludge Disposal Costs	\$0	\$0	\$0	\$0	\$0	\$0	
Lab Supplies & Equipment	\$1,012	\$1,500	\$8,490	\$18,000	\$18,000	(\$9,510)	47%
Office Supplies	\$32	\$125	\$1,257	\$1,500	\$1,500	(\$243)	84%
Miscellaneous Expenses	\$6,949	\$5,197	\$81,476	\$62,363	\$62,363	\$19,113	131%
Overhead (G&A of D.L.)	\$11,530	\$14,944	\$117,401	\$179,333	\$179,333	(\$61,932)	65%
Subtotal of Costs for Contract Year 1	\$109,100	\$95,373	\$823,797	\$1,144,473	\$1,144,473	(\$276,085)	72%
Fixed Fee for Contract Year 1	\$8,728	\$7,630	\$65,904	\$91,558	\$91,558	(\$22,087)	72%
Total	\$117,828	\$103,003	\$889,701	\$1,236,031	\$1,236,031	(\$298,172)	72%

* Please note, Project staff still processing trailing invoices in preparation for end of year true-up.

Table 4-2: Transition Budget

Budgeted	\$145,998
Spent	\$123,642
8% Fee	\$8,521
Total	\$133,534
Remaining	\$12,464

Table 4-3: Chemical Cost (To include Alum and Polymer)

Month Actual	YTD Actual
\$4,211.76	\$535,316

5. WOODARD & CURRAN ASSET MANAGEMENT

5.1 Asset Management

Recently, Woodard & Curran's technology group chose a new Computerized Maintenance Management System (CMMS) software, Cartegraph. The LCWA project is scheduled to be one of the first projects to implement the new program. The plant staff has already identified all the facility assets and the preventative maintenance (PM) that goes with each asset. Currently, all the daily and weekly required maintenance is being performed to include inspections such as daily Skid steer inspections and equipment lubrication such as the centrifuge and conveyor. Cartegraph has been rolled out for the NuRF and training for the plant staff has started. We are starting with the preventive maintenance tasks first and once we are comfortable with the program; the staff will begin using the program for corrective work tasks.

The following represents repairs and maintenance activities for the NuRF for the month of September:

- 9/3/24: Staff completed monthly inspections at the facility.
- 9/4/24: The west dredge faulted and would not run. Troubleshooting dredge fault.
- 9/5/24: Staff found a bad wire to a light that was causing the fault on the west dredge. They were able to repair and return to normal operation.
- 9/9/24: Staff replaced burned out PH pump.
- 9/12/24: Air compressor technician was on site performing the annual service on the compressor for the alum mixing. Staff started insulating and installing plywood in the new SCADA sheds.
- 9/13/24: Installed the new tailgate put on the facility truck.
- 9/16/24: Staff finished the plywood and insulation for the SCADA sheds.
- 9/19/24: All staff on site to attend a company safety meeting.
- 9/20/24: Installed a new tow hitch on the facility truck.
- 9/23/24: The polymer mixing mechanical seal failed and started leaking severely. Parts were already on order.
- 9/23/24: Florida Mechanical on site to troubleshoot the hydraulic leak on the project skid steer.
- 9/24/24: Had the LCWA skid steer hauled to bobcat for an electrical issue. Staff repaired the leak on the new centrifuge well plumbing line.
- 9/25/24: Staff preparing the facility for the upcoming hurricane.
- 9/26/24: Hurricane Helene.
- 9/27/24: Staff assessing the facility for storm damage. Everything is in good condition. Staff installed the new antenna for the SCADA in the alum building.
- 9/30/24: Air compressor technician on site replacing a gauge on the compressor. Staff took apart the polymer mixing chamber in preparation to repair.

6. CAPITAL RECOMMENDATIONS

6.1 Capital Recommendations

The following table is a budget for a recommended upgrade to the NuRF SCADA and the addition of Phosphorus Analyzers. The upgrades were approved by the LCWA Board in the September meeting.

Task	W&C FEE	Materials	Sub	Cont.	Total
SCADA PC & Radio Addition	\$18,673	\$15,182	\$8,740	\$4,269	\$46,864
Remote Access	\$12,756	\$9,061	\$0	\$2,182	\$23,999
Alum Antenna Work	\$3,824	\$3,276	\$0	\$710	\$7,810
New Alum Panel	\$28,231	\$3,472	\$31,050	\$6,275	\$69,028
Inlet pH Panel	\$3,278	\$2,897	\$0	\$617	\$6,792
Outlet pH Panel	\$3,278	\$2,897	\$0	\$617	\$6,792
Phosphorus Analyzers	\$10,000	\$165,000	\$38,400	\$21,340	\$234,740
Total Cost	\$80,040	\$201,785	\$78,190	\$36,010	\$396,025

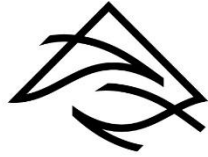
7. STAFFING

7.1 Corporate Support

Name	Title	Support Provided
Alyson Watson	CEO	Management Support
Brian Bzdawka	President of O&M	Management Support
Marc Thomas	National Operations Leader	Management Support
Paul Roux	East Region Operations Leader	Management Support
Glenn Burden	Area Manager	Management Support
Shannon Eyler	VP of Health & Safety	Health & Safety
Steve Lindeman	Health and Safety Manager	Health & Safety
Renea Shields	Health and Safety Coordinator	Health & Safety
Alan Fabiano	IT Coordinator	SEMS (Computerized Maintenance Management System), HACH WIMS (Laboratory Information Management System), Tablets & Technology
Jeannie Dubois	MIS Support Specialist	Computer and Network set-up and support
Celina Bland	O&M Specialist	Hach WIMS, Utility Cloud and Power BI programming and support
Kim Brierley	Project Administrator	Accounting
Jackie Smith	Senior Project Assistant	Project Support Specialist
Linsay McAuliffe	Human Resources Generalist	Human Resources
Beth Sweitzer	Senior Talent Management & Acquisition Manager	Human Resources
Lizzie Dovich	Senior Technical Recruiter	Human Resources
Wendy Foreman	Health & Safety Administrator	Health & Safety Support

7.2 Project Staff

Name	Title	Certification
Sam Stanley	Project Manager	- FDEP A Wastewater - Georgia A Wastewater - South Carolina A Wastewater - North Carolina Grade 4 Wastewater - Tennessee Grade 4 Wastewater - OSHA 40 Hour HAZWOPER
Eli Willis	Chief Operator	
Mike Ewing	O&M Technician 2	
Mauricio Zepeda	O&M Technician 2	- FDEP Drinking Water A - FDEP Wastewater A
Chris Ruland	O&M Technician 1	
Tim Hopper	O&M Technician 1	



**Woodard
& Curran**

woodardcurran.com



TO: Lake County Water Authority Board of Advisors

FROM: Jimmy Crawford, LCWA Board Attorney
Amanda Boggus, Associate Attorney

DATE: October 18, 2024

RE: Electing to not exempt property under section 196.1978(3)(d)1.a., commonly known as the Live Local Act Property Tax Exemption

Consent Agenda – Tab 4

Electing to not exempt property under section 196.1978(3)(d)1.a., commonly known as the Live Local Act Property Tax Exemption

To consider approval of a Resolution for the Lake County Water Authority to “Opt-Out” of the Live Local Property Tax Exemption Program under Florida Statute § 196.1978(3)(d)1.a.

In 2023, the Florida Legislature passed CS/SB 102 which amended §196.1978 of the Florida Statutes for purposes of the addressing the affordable housing needs of residents across the State of Florida. The legislation created a 75 percent property tax exemption for multi-family developments if rental units were reserved for persons or families whose annual household income AMI is greater than 80 percent but not more than 120 percent of the median annual adjusted gross income for households within the respective metropolitan statistical area (MSA). This exemption is known as the “Live Local Act Property Tax Exemption Program.

In 2024, the Florida Legislature passed SB328/HB7073 to again amend the Florida Statutes §196.1978, the “Live Local Act”. The amendment (HB7073) was created to allow taxing authorities to opt-out of the exemption beginning with the 2025 tax roll if the Shimberg Center for Housing Studies Annual Report (Shimberg Annual Report) identifies that the number of affordable and available units in the respective MSA is greater than the number of renter households who meet the income criteria for the 80% to 120% AMI category.

Lake County and Lake County Municipalities are located within the Orlando-Kissimmee, FL MSA and the 2023 Shimberg Annual Report confirms the number of affordable and available units is greater than the number of rental households in the identified category which provides eligibility for the Lake County Water Authority to “Opt Out of the Live Local Property Tax Exemption Program.”

On July 9, 2024, the Lake County Board of County Commissioners adopted a Resolution to “Opt-Out” of the Live Local Property Tax Exemption Program.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

In order to “Opt-Out” of the exemption, the LCWA must adopt the proposed Resolution by a two-thirds majority vote. The “Opt-Out” provision will be valid for the 2025 tax year and must be renewed by resolution each year thereafter, when the Shimberg Annual Report confirms that the number of affordable and available units is greater than the number of renter households in the identified category.

The proposed Resolution has been prepared by LCWA counsel for the Board’s consideration to adopt the “Opt Out” of the Live Local Property Tax Exemption Program for the coming tax year. Staff has verified that the 2023 Shimberg Annual Report confirms the number of affordable and available units is greater than the number of renter households in the identified category which provides eligibility for the exemption.

Options:

1. Move to adopt the proposed Resolution for the LCWA to “Opt Out” of the Live Local Property Tax Exemption Program for Tax Year 2025.

Executive Director Recommendation:

1. Move to adopt the proposed Resolution for the LCWA to “Opt Out” of the Live Local Property Tax Exemption Program for Tax Year 2025.

Legal Sufficiency:

Legally Sufficient

Fiscal Impact:

Neutral or positive, as the Authority will continue to collect the assessed millage on the Live Local properties.

RESOLUTION NO. 2024-03

A RESOLUTION OF THE LAKE COUNTY WATER AUTHORITY OF LAKE COUNTY, FLORIDA, PURSUANT TO SECTION 196.1978(3)(o), FLORIDA STATUTES, ELECTING TO NOT EXEMPT PROPERTY UNDER SECTION 196.1978(3)(d)1.a., FLORIDA STATUTES, COMMONLY KNOWN AS THE “LIVE LOCAL ACT PROPERTY TAX EXEMPTION”; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Section 196.1978(3), Florida Statutes (the “Live Local Act Property Tax Exemption”) requires the Lake County Property Appraiser to exempt certain rental properties from ad valorem taxes if such properties meet the criteria of the Live Act Local Property Tax Exemption; and

WHEREAS, beginning with the 2025 tax roll, Section 196.1978(3)(o), Florida Statutes, (Chapter 2024-158, Laws of Florida) allows taxing authorities to "opt-out" of providing the Live Local Act Property Tax Exemption to units in multifamily projects that are used to house natural persons or families whose annual household income is between 80 and 120 percent of the median annual adjusted gross income for households within the metropolitan statistical area (“MSA”) or, if not within a MSA, within the county in which the person or family resides (the “80 to 120 Tax Exemption”), if the taxing authority finds that the latest Shimberg Center for Housing Studies Annual Report, prepared pursuant to Section 420.6075, Florida Statutes (“Shimberg Annual Report”), identifies that the number of affordable and available units in the MSA or region is greater than the number of rental households in the MSA or region for natural persons or families who meet the income criteria for the 80 to 120 Tax Exemption; and

WHEREAS, the Lake County Water Authority hereby finds that the latest Shimberg Annual Report identifies a surplus of affordable and available units in the Orlando- Kissimmee, FL MSA, in which Lake County is located, for those households that meet the income criteria for the 80 to 120 Tax Exemption; and

WHEREAS, the Lake County Water Authority hereby finds that Lake County Water Authority is a taxing authority that is eligible for the election in Section 196.1978(3)(o), Florida Statutes, which allows Lake County Water Authority to not exempt properties that would otherwise qualify for the 80 to 120 Tax Exemption.

NOW, THEREFORE, BE IT RESOLVED by the Lake County Water Authority of Lake County, Florida:

Section 1. Legal Findings of Fact. The foregoing recitals are hereby adopted as legislative findings of the Lake County Water Authority and are ratified and confirmed as being true and correct and are hereby made a specific part of this Resolution upon adoption hereof.

Section 2. Opt-Out Election; Required Findings. The Lake County Water Authority hereby finds that the latest Shimberg Annual Report identifies a surplus of affordable and available units in the Orlando-Kissimmee, FL MSA, in which Lake County is located, for those households that meet the income criteria for the 80 to 120 Tax Exemption. Therefore, Lake

County Water Authority hereby elects not to exempt properties eligible for the 80 to 120 Tax Exemption in Section 196.1978(3)(d)1.a., Florida Statutes, pursuant to the authority in Section 196.1978(3)(o), Florida Statutes, and hereby requests that the Lake County Property Appraiser not grant any such exemptions.

Section 3. Applicability. This Resolution applies to all ad valorem property tax levies imposed on behalf of the dependent special taxing district known as the Lake County Water Authority.

Section 4. Advertising; Notice to Property Appraiser. This Resolution has been duly advertised in accordance with Section 50.011(1), Florida Statutes. The Clerk of the Lake County Water Authority is directed to provide a copy of this Resolution to the Lake County Property Appraiser prior to January 1, 2025.

Section 5. No Waiver of Rights. Other governmental entities have alleged that the Live Local Act Property Tax Exemption is unconstitutional, and inconsistent with Section 196.012(7), Florida Statutes. Further, other governmental entities have raised concerns with relying entirely on the Shimberg Annual Report to meet the “affordable and available” test in Section 196.1978(3)(o), Florida Statutes. The adoption of this Resolution shall not constitute an admission that the Live Local Property Tax Exemption is constitutional or consistent with Section 196.012(7), Florida Statutes, and shall not constitute an admission that the Shimberg Annual Report is the best method of determining the current inventory of “affordable and available” housing in Lake County. If Lake County ceases to qualify for the election in Section 196.1978(3)(o), Florida Statutes, in future years, or if this Resolution is determined to be invalid or unenforceable by the Lake County Property Appraiser or a court of competent jurisdiction, nothing in this Resolution shall be deemed a waiver of Lake County Water Authority’s right to challenge the Live Local Act Property Tax Exemption.

Section 6. Effective Date. This Resolution shall take effect on January 1, 2025, and shall expire on January 1, 2026. This Resolution may be renewed prior to January 1, 2026, pursuant to Section 196.1978(3)(o), Florida Statutes.

PASSED AND ADOPTED this ____ day of _____, 2024, by a two-thirds vote of the governing body.

ATTEST:

LAKE COUNTY WATER AUTHORITY

Gary J. Cooney, Clerk
of Lake County, Florida

Robert Hendrick, Chairman
This ____ day of _____, 2024.

Approved as to form and legality:

Jimmy D. Crawford, LCWA Attorney



TO: Lake County Water Authority Board of Advisors

FROM: Bobby Bonilla, Executive Director

DATE: October 17, 2024

RE: Approval of 2nd Amendment to the Management Services Agreement

Consent Agenda – Tab 5

Approval of 2nd Amendment to the Management Services Agreement

Through the enactment of Chapter 2022-245, Laws of Florida, the Florida Legislature converted the LCWA to a dependent special district under the authority of the Lake County Board of County Commissioners. The LCWA Board of Advisors held a joint meeting with the Lake County Board of County Commissioners on February 6, 2023, to discuss a variety of issues including entering into an agreement between Lake County and the LCWA for management services.

At the September 27, 2023, Board Meeting the Lake County Water Authority Board approved the Management Services Agreement with the Lake County Board of County Commissioners.

At the January 24th, 2024, Board Meeting the Lake County Water Authority Board approved the 1st Amendment to the Management Services Agreement with the Lake County Board of County Commissioners. The 1st Amendment to the Management Services Agreement was necessary pursuant to comply with Florida Law HB 1105 which removed the board's authority to operate active parks. The Amendment included a provision to transfer to the County all operation and maintenance responsibilities associated with Hickory Point Park, located at 27341 State Road 19, Tavares

A 2nd Amendment to the agreement has been prepared, which amends Paragraphs 4, 7 and 8, clarifies certain terms, and adjusts the Payment for Services. Staff is recommending approval of the second amendment to the Management Services Agreement.

Executive Director Recommendation:

Recommend Approval of 2nd Amendment to the Management Services Agreement

Legal Counsel Recommendation:

Approved as to form and legality.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

**SECOND AMENDMENT TO
MANAGEMENT SERVICES AGREEMENT
{Lake County Water Authority}**

THIS IS A SECOND AMENDMENT TO AGREEMENT, entered into by and between Lake County, a political subdivision of the State of Florida (hereinafter “COUNTY”), and the **Lake County Water Authority**, a dependent special district organized under the laws of the State of Florida (hereinafter the “LCWA”).

WHEREAS, the LCWA was originally established as an independent special district on June 15, 1953, pursuant to the *Chapter 29222, Laws of Florida*; and

WHEREAS, on June 24, 2022, through the enactment of *Chapter 2022-245, Laws of Florida*, the Florida Legislature converted the LCWA to a dependent special district under the authority of the Lake County Board of County Commissioners (“Board”); and

WHEREAS, the LCWA Board of Advisors held a joint meeting with the Board on February 6, 2023, to discuss a variety of issues including entering into an agreement with the COUNTY to provide services to the LCWA; and

WHEREAS, the COUNTY and the LCWA did enter into a Management Services Agreement (“Agreement”) dated October 6, 2023, that set forth the terms and obligations of the parties; and

WHEREAS, on March 26, 2024, the parties entered into a First Amendment to the Agreement to transfer maintenance responsibilities for Hickory Point Park to the COUNTY; and

WHEREAS, the parties now desire to amend Paragraph 4, *Facility Use, Equipment, Vehicles, Insurance, Procurement, and Financial Policies and Procedures*; Paragraph 7, *Payment for Services*; and Paragraph 8, *Right to Audit*; to clarify additional items and adjust the payments.

NOW, THEREFORE, in consideration of the mutual covenants, premises, and representations herein, the parties agree as follows:

Section 1. **Legislative Findings of Fact.** The foregoing recitals are hereby adopted as legislative findings and are ratified and confirmed as being true and correct and are hereby made a specific part of this Agreement and Amendments upon adoption hereof.

Section 2. **Effective Date.** The effective date of this Agreement shall be the date the last party hereto executes this document, hereinafter referred to as the “Effective Date.”

Section 3. **Amendments:** The following paragraphs of the original Agreement dated October 6, 2023, and the First Amendment dated March 26, 2024, shall be amended to read as follows:

A. Paragraph 4, Facility Use, Equipment, Vehicles, Insurance, Procurement, and Financial Policies and Procedures, is hereby amended as follows to clarify ongoing operation and maintenance of Hickory Point Park and revenue payments:

4. Facility Use, Equipment, Vehicles, Insurance, Procurement, and Financial Policies and Procedures.

A. LCWA owns commercial office space located at 27351 State Road 19, Tavares, Florida 32778, containing 5,816 square feet (LCWA Facility), and agrees to allow COUNTY to utilize a portion of the LCWA Facility during the period this Agreement is in effect, and sooner if requested.

B. LCWA agrees to pay for all utilities, janitorial services, garbage services, and any maintenance and repairs for the LCWA Facility.

C. Should COUNTY need to add data or phone cabling to the LCWA Facility, LCWA agrees to work with COUNTY to facilitate any needed work.

D. LCWA agrees to allow COUNTY to utilize its vehicles and any equipment needed for day-to-day operations, and LCWA will pay any required insurance (property, general liability and commercial auto) related to the LCWA Facility and its operations on LCWA vehicles and equipment.

E. On August 18, 2023, the LCWA adopted the following COUNTY Procedures:

- 1) Purchasing Procedures (LC-7)
- 2) Direct Pay and Recurring Invoice Process (LC-24)
- 3) Budget Amendment Process Policy (LCC-36)
- 4) Purchasing Card Procedures (LC-52) – LCWA purchases will be assigned a specific “due from LCWA” general ledger account and will include a breakdown of expenses (by ORG/OBJ) to be coded into the correct expense account.

Where there are references within the adopted policies or procedures to the County Manager, such references shall be adjusted to provide the stated powers and duties to the Executive Director of Parks & Water Resources, serving in the capacity as the Executive Director of the LCWA.

F. LCWA shall transfer to the COUNTY all operation and maintenance (O&M) responsibilities associated with Hickory Point Park, located at 27341 State Road 19, Tavares. The parties shall additionally take all necessary steps to convey Hickory Point Park to the COUNTY as expeditiously as possible. O&M responsibilities will continue until the transfer of ownership of the property has been completed.

G. All rental revenues received shall be payable to COUNTY (Lake County Board of County Commissioners) and deposited into designated COUNTY accounts beginning October 1,

2024, which includes the Hickory Point Pavilion, Volleyball Courts, Volleyball Concessions, and Soccer Multi-Use Fields, and any future amenities.

B. Effective October 1, 2024, **Paragraph 7, Payment for Services**, is hereby replaced in its entirety as follows to adjust and clarify payments between the COUNTY and the LCWA:

7. **Payment for Services.** The LCWA shall pay to the COUNTY the amount of **\$3,499,486.02** (“Services Fee”), to compensate the COUNTY for the services provided hereunder. The Services Fee shall include compensation to the COUNTY for the cost of employee benefits and salaries (“Personal Services”) for those LCWA employees that are hired by the COUNTY, the General Administrative Services related to services provided by the COUNTY to the LCWA such as Procurement, HR, Budget and IT, plus the actual cost of technology equipment and replacement as scheduled, and actual reimbursement of COUNTY purchasing charges on behalf of the LCWA, and for O&M of the Hickory Point Recreational Complex.

The Services Fee shall be allocated as follows:

A.	Personal Services (a/k/a County Management Services) See attached updated Exhibit A	\$2,359,486.02
B.	General Administrative Services	\$80,000
C.	Employee Overtime	\$60,000
D.	Hickory Point Recreational Complex (O&M)	\$1,000,000

The Services Fee shall be paid to the COUNTY annually on or before January 31st and any overages will be returned to the LCWA at the end of the fiscal year.

For each subsequent year, the Services Fee will be determined on an annual basis and incorporated into the LCWA approved budget to ensure that the COUNTY is being paid appropriately for the services performed, and employee salaries and benefits, identified herein.

C. **Amendment to Paragraph 8, Right to Audit**, is hereby amended to designate an auditor for the LCWA:

8. **Right to Audit.** The COUNTY reserves the right to require the LCWA to submit to an audit by any auditor of the COUNTY ’s choosing. LCWA shall provide access to all of its records which relate directly or indirectly to this Agreement at its place of business during regular business hours. LCWA shall retain all records pertaining to this Agreement and upon request make them available to the COUNTY for five (5) years following expiration of this Agreement, or in such other time frame as established by the State of Florida, Division of Library and Information Services, General Records Schedules ([D](#)). The LCWA agrees to provide such assistance as may be necessary to facilitate the review or audit by the COUNTY to ensure compliance with applicable accounting and financial standards. Additionally, the LCWA agrees to include the requirements of this provision in all contracts with consultants, contractors, and material suppliers in connection with the work performed hereunder.

The LCWA agrees to utilize the same auditing firm that the COUNTY is using through the Lake County Clerk of the Circuit Court and Comptroller for auditing services and reporting.

Section 6. **Other Provisions.** All other provisions of the Agreement will remain in full force and effect unless otherwise formally amended by the parties. To the extent this Second Amendment conflicts with the Agreement, the Second Amendment will govern.

IN WITNESS WHEREOF, the parties hereto have made and executed this Second Amendment to Management Services Agreement on the respective dates under each signature: Lake County, through its Board of County Commissioners, signing by and through its Chairman, authorized to execute the same, and by the duly authorized representative of the Lake County Water Authority.

LAKE COUNTY WATER AUTHORITY

ATTEST:

Robert Hendrick, Chairman

This _____ day of _____, 2024.

Secretary

Approved as to form and legality:

Jimmy Crawford, Esquire

LAKE COUNTY

ATTEST:

LAKE COUNTY, FLORIDA through its
BOARD OF COUNTY COMMISSIONERS

Gary J. Cooney, Clerk
Board of County Commissioners
of Lake County, Florida

Kirby Smith, Chairman

This ____ day of _____, 2024.

Approved as to form and legality:

Melanie Marsh
County Attorney

EXHIBIT A

JOB TITLE	TOTAL LOADED	FUNDING %
ASSOC. DIR-WTR RES	\$ 100,993.52	100%
ASSOC. DIR-WTR RES	\$ 103,309.92	100%
CHIEF MAINT SUPV. AQ	\$ 82,887.92	100%
ENV. SPECIALIST	\$ 88,441.28	100%
FINANCIAL ASSOC.	\$ 88,769.36	100%
OA III	\$ 64,968.00	100%
OA III	\$ 62,374.00	100%
PARK RANGER	\$ 65,278.60	100%
GRANTS PROG MGR	\$ 98,571.76	100%
REC. COORD.	\$ 86,264.08	100%
REC. COORD.	\$ 109,791.84	100%
DIRECTOR-WTR RES	\$ 117,845.48	100%
REC. COORD. AQ	\$ 84,225.08	100%
LAB. ASSOC.	\$ 59,729.40	100%
SR. LAB. ASSOC.	\$ 78,612.04	100%
CHIEF MAINT SUPV. AQ	\$ 75,728.00	100%
CHIEF MAINT SUPV. AQ	\$ 75,728.00	100%
CHIEF MAINT SUPV. AQ	\$ 75,728.00	100%
CHIEF MAINT SUPV. AQ	\$ 75,728.00	100%
CPM-ENGINEER	\$ 143,250.20	100%
HYDROGEOLOGIST	\$ 109,049.00	100%
GRAPHIC DESIGNER	\$ 76,428.80	100%

JOB TITLE	TOTAL LOADED	FUNDING %	50% TTL LOADED
LAB PROG MGR	\$ 119,506.72	50%	\$ 59,753.36
CHIEF MAINT SUPV.	\$ 78,369.48	50%	\$ 39,184.74
CONST. INSPCTR. II	\$ 73,522.96	50%	\$ 36,761.48
OA V	\$ 62,943.60	50%	\$ 31,471.80
OFFICE MGR	\$ 73,630.32	50%	\$ 36,815.16
PROG. MGR.	\$ 89,153.12	50%	\$ 44,576.56
REC. COORD.	\$ 84,225.08	50%	\$ 42,112.54
EXEC. DIRECTOR	\$ 180,970.16	50%	\$ 90,485.08
SR. FIN. COORD.	\$ 109,246.04	50%	\$ 54,623.02

\$ 2,359,486.02



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

27351 SR 19 • Tavares, Florida 32778-4251 • (352) 324-6141 • Fax (352) 324-6364 • email: info@lcwa.org • www.lcwa.org

TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 17, 2024
RE: Approval of Besh/Halff Contract Assignment for 24-W11

Consent Agenda – Tab 6

Approval of Besh/Halff Contract Assignment for 24-W11

The Lake County Water Authority entered into an agreement with Booth, Ern, Straughan & Hiott, Inc. (BESH) on September 9, 2020 for General Engineering Support Services. The firm has since changed its business name to Halff Associates, Inc. LCWA Legal has prepared a reassignment agreement to acknowledge this name change and reassign the BESH agreement to Halff Associates, Inc. The Water Authority will be able to continue utilizing this contract through the duration of its contract period. There is no fiscal impact.

Executive Director's Recommendation:

1. For Board Approval.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

**ASSIGNMENT OF AGREEMENTS
BETWEEN LAKE COUNTY WATER AUTHORITY AND
BOOTH, ERN, STRAUGHAN & HIOTT, INC.
TO HALFF ASSOCIATES, INC.**

This is the assignment of the agreements between Lake County Water Authority, a dependent special taxing district ("LCWA") and Booth, Ern, Straughan & Hiott, Inc. ("BESH"), a Florida Corporation, to Halff Associates Inc., a foreign corporation authorized to do business in the State of Florida.

WITNESSETH:

WHEREAS, the LCWA and BESH have previously entered into an Agreement for General Engineering Support Services which is still in effect; and

WHEREAS, on or about September 9, 2020, the LCWA received notice that BESH was acquired by Halff Associates, Inc. and it will now be doing business as Halff Associates, Inc.; and

WHEREAS, BESH wants to transfer and assign all responsibilities and obligations in its contracts with the LCWA to Halff Associates, Inc. who agrees to take over and assume all responsibilities and obligations under said contracts; and

WHEREAS, under their terms, the agreements as may be amended and modified, may be assigned by BESH to Halff Associates, Inc. with specific written permission from LCWA; and

WHEREAS, it is in the best interests of the parties and the residents of Lake County to enter into this assignment.

THEREFORE, the parties agree as follows:

1. The above recitals are incorporated in this assignment.
2. The Agreement for General Engineering Support Services, between LCWA and BESH is hereby assigned to Halff Associates, Inc. All references in the agreements to "Contractor" and "BESH" will be construed as referring to Halff Associates, Inc. This assignment will take effect upon the date of the last party to sign ("effective date").
3. Any notices to BESH under the agreements will be provided to the following location:

Halff Associates, Inc.
Attn: Duane Booth
902 North Sinclair Avenue
Tavares, FL 32778

4. BESH, Inc. will have no further obligations to the LCWA under the agreement.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties through their duly authorized representatives have made and executed this assignment on the respective dates under each signature.

HALFF ASSOCIATES, INC.,

By: _____

Duane Booth, P.E.
Operations Manager, VP

This ____ day of _____, 2024.

LAKE COUNTY WATER AUTHORITY,
through its BOARD OF TRUSTEES

By: _____

Robert Hendrick, Chairman

This ____ day of _____, 2024.

Approved as to form and legality:

Amanda Boggus
Lake County Water Authority Attorney



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Foreign Profit Corporation
HALFF ASSOCIATES, INC.

Filing Information

Document Number	F18000005458
FEI/EIN Number	75-1308699
Date Filed	11/06/2018
State	TX
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	07/24/2019
Event Effective Date	NONE

Principal Address

1201 N. BOWSER RD.
RICHARDSON, TX 75081

Mailing Address

1201 N. BOWSER RD.
RICHARDSON, TX 75081

Registered Agent Name & Address

INCorp SERVICES, INC.
3458 LAKESHORE DRIVE
TALLAHASSEE, FL 32312

Address Changed: 03/17/2023

Officer/Director Detail

Name & Address

Title Chairman, Senior Vice President

Moya, Mike
13620 Briarwick Drive
Suite 100
Austin, TX 78729

Title Senior Vice President, Director

TANKSLEY, DAN
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title Senior Vice President, Director

MURRAY, MENTON
5000 W. MILITARY, SUITE 100
MCALLEN, TX 78503

Title COO

JACKSON, TODD
13620 Briarwick Drive
Suite 100
AUSTIN, TX 78729

Title Executive Vice President, Director

KILLEN, RUSSELL
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title CSO

Miller, Steven
13620 Briarwick Drive
Suite 100
Austin, TX 78729

Title President

BAKER Daily, JESSICA
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title CPO

Pylant, BEN
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title Senior Vice President, Director

ICKERT, ANDREW
2601 MEACHAM BLVD
SUITE 600
FORT WORTH, TX 76137

Title CFO

Sagel, Joseph
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title Senior Vice President, Director

French, Sherri Marie
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title Senior Vice President, Director

Bertram, Shawn
13620 Briarwick Drive
Suite 100
Austin, TX 78729

Title Senior Vice President, Director

DELGADO, JOSE
5000 W MILITARY
SUITE 100
MCALLEN, TX 78503

Title Senior Vice President, Director

HOLLIS, LEIGH
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Title VP, Secretary

MARTIN, JILL
1201 N. BOWSER RD.
RICHARDSON, TX 75081

Annual Reports

Report Year	Filed Date
2022	01/11/2022
2023	02/16/2023
2024	02/07/2024

Document Images

02/07/2024 -- ANNUAL REPORT	View image in PDF format
02/16/2023 -- ANNUAL REPORT	View image in PDF format
07/13/2022 -- AMENDED ANNUAL REPORT	View image in PDF format
01/11/2022 -- ANNUAL REPORT	View image in PDF format
01/27/2021 -- AMENDED ANNUAL REPORT	View image in PDF format
01/21/2021 -- AMENDED ANNUAL REPORT	View image in PDF format
01/19/2021 -- ANNUAL REPORT	View image in PDF format

01/03/2020 -- AMENDED ANNUAL REPORT	View image in PDF format
01/02/2020 -- ANNUAL REPORT	View image in PDF format
08/08/2019 -- AMENDED ANNUAL REPORT	View image in PDF format
07/24/2019 -- Amendment	View image in PDF format
05/03/2019 -- ANNUAL REPORT	View image in PDF format
11/06/2018 -- Foreign Profit	View image in PDF format

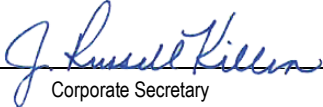
CORPORATE AUTHORIZATION RESOLUTION

I, J. Russell Killen, the undersigned being the Corporate Secretary of Half Associates, Inc. (The "Corporation") do hereby certify that at the Corporation's Board of Directors meeting held on the 17th day of October 2023 there was present and acting throughout a quorum authorized to transact the business hereinafter described, the proceedings of said meeting were in accordance with the charter and bylaws of said Corporation, and this resolution has not been amended or revoked and is in full force and effect.

Resolved, that the following individuals are hereby authorized and empowered to sign any and all documents on behalf of said Corporation, and to take such steps and do such other acts and things as in his or her judgment may be necessary, appropriate or desirable in connection with any offer extended, proposal submitted, or contract entered into (title of Authorized Agent unless noted):

Adams, Mike (VP)	Chovan, Dennis (VP)	Guerra, Agueda	Marlar, Mike (VP)	Sagel, Joseph (CFO)
Ahmad, Jibrael	Christiansen, Eric	Guerra, Lizbeth	Martin, Jill (VP)	Sanders, Drew
Aillet, Brandon (VP)	Clayton, Johnny	Guerra, Maria	Martin, Malcolm	Sanderson, Chris
Albert, Isabelle	Cleavelin, Melanie	Haar, Dennis (VP)	Marusak, Russell	Santoro, Murray
Amoako-Atta, Samuel	Clint, John (VP)	Harrison, Conrad	Maske, Craig	Sartori, Tony (VP)
Anderson, Craig (VP)	Coffey, Michael	Hausenfluke, Jodi (VP)	Maurer, Brian (VP)	Satagaj, Brian
Anderson, Emily (VP)	Collins, Casey	Hays, Jacob	May, Carolyn	Satre, Dennis (VP)
Andricopoulos, John	Connolly, Gini	Heath, Todd	McCaskey, David	Scheffer, Jason
Angerosa, Matt	Conquest, John	Hein, Levi	McClure, Josh	Scholz, Robert (VP)
Applebaum, Phillip (VP)	Cooper, Aaron	Hemenes, James	McCollough, TJ	Scott, Clay (VP)
Arbuckle, Sr., James (SVP)	Coyer, David	Herolt, Edward (VP)	McGahan, Jeremy	Scullion, Michael
Arguello, Javier	Craig, Matthew (SVP)	Heusel, Jonathan	McGahey, Ben (VP)	Serbia, Antonio
Atkinson, Erin (SVP)	Crain, Michael (VP)	Hicks, William (SVP)	McGlohorn, John (VP)	Shafer, Andrew
Aunspaugh, James	Cranston, Shaun (SVP)	Hinojosa, Samuel (VP)	McLeod, Lance	Shanks, James (VP)
Bailey, Edjuan (VP)	Crawford, Stephen (VP)	Hiott, Chuck (VP)	Medford, Michael (VP)	Shipley, Greg (VP)
Baker, Jessica (CPO)	Crotts, Clayton	Hodge, Cody	Miller, Jim	Short, Vance
Balli, Bobby (VP)	Culton, Ryan (VP)	Hollis, Leigh (SVP)	Miller, Steven (CSO)	Simon, Guillermo
Barbier, Michael (VP)	Cutaia, Louis	Holm, Michael (VP)	Moore, Andrew	Sislen, Mark
Barker, Kody	Day, Ash	Horse, Sally	Morales, Paul	Smith, David
Barr, James (VP)	Decuir, Lance	Hughes, Lenny (VP)	Moran, Trey	Smith, Ryan (VP)
Barton, Josh	Delgado, Jose (SVP)	Hutcheson, David (SVP)	Mosier, Cindy (VP)	Spann, Maxwell
Bazar, Adam	Deo, Sunit	Ickert, Andrew (SVP)	Moya, Marita	St. Amant, Aaron
Bean, Jonathan (VP)	Diamond, Jason (VP)	Jackson, Todd (COO)	Moya, Michael (SVP)	Stahl, Matthew
Becker, Jason	Diaz, Marcos (VP)	Jacobs, Greg (VP)	Mueller, Charles (VP)	Steffen, Martin
Bell, Clint	Dorman, Troy	James, Tim (VP)	Murray, III, Menton (SVP)	Stephens, Ben
Benavides, Gabriel	Downing, Brian	Janicki, Mark (VP)	Nagy, Jeff (VP)	Stinnett, John
Bertram, Shawn (SVP)	Downs, Derek (VP)	Johnson, Brad	Nell, Brian	Swann, Carolyn
Bielstein, Jim	Droptini, Sean	Johnson, Jarod	Neuschafer, Mark	Swope, Bill
Billington, Brent	Easley, Paul	Jones, Holt	Nguyen, Long (VP)	Tanksley, Dan (SVP)
Booth, Duane (VP)	Edwards, Mark (CEO)	Kalogirou, Vasileios (VP)	Nordstrom, Erika	Taylor, Marcus
Bourgeois, Jonathan	Edwards, Robert (VP)	Kane, Adam	Olivares, Jorge	Thornton, Jon
Brice, Alistair	Enciso, Carlos	Kane, Brennan	Osborne, Suzanne	Thornton, Kyle (VP)
Brisendine, Travis (VP)	Endsley, RJ (VP)	Kaschel, Samantha	Osipov, Mike	Tobias, Brett
Brown, Julian	Engelhardt, Cindy (VP)	Killen, Russell (EVP)	Overbey, Jarred (VP)	Torres, Ernest (VP)
Bucchin, Matthew	Epperly, Marc	Kim, Johnny	Pembroke, Bill (VP)	Trimble, Matthew
Buchanan, David	Ern, Rob (VP)	King, Bryant (VP)	Perez, Tomas	Urquidí, Jaime
Bullion, Miles (VP)	Ezell, Brad (VP)	King, Ron	Perry, Greg	Vester, Cameron
Burkett, David	Fallon, Michael (VP)	Kocian, Matthew	Petrich, Joseph (VP)	Villar, Chris
Busch, Trent	Fatimah, Waqar	Lackey, Tim (VP)	Powell, Wade	Vines, Brian (VP)
Calderon, Hugo	Flynn, Kaylie	Laun, Scot	Purkey, Ashley	Warfield, Dan (SVP)
Caldwell, Joni (VP)	Forester, Tracy (VP)	Leal, Kristina	Pylant, Benjamin (SVP)	Wary, John (VP)
Calhoun, Douglas	Foy, Patrick	LeBlanc, Kristin	Range-Pendell, Liz	Weibe-Reed, Marjorie
Cao, Thang	Francis, Carl	Lentz, Christian	Ratzman, Eric (VP)	West, John (VP)
Cardona, Luis	Franz, Dan (VP)	Lewis, Ryan (VP)	Renteria-Compian, Nelda	White, Willis
Caron, Chris (VP)	French, Sherri (SVP)	Littleton, Brandyn (VP)	Reyna, Alex	Williams, Lee
Carpenter, Greg	Garcia, Raul	Littleton, David (VP)	Rickett, Mark	Wilson, Kirk
Carpenter, Scot	Gardiner, Chad (VP)	Llewellyn, Jr., Mark (SVP)	Rielly, Paul (VP)	Winters, David
Carrillo, James (VP)	Gardner, Matt	Llewellyn, Sr., Mark (EVP)	Roberts, Joey	Wong, Raul (VP)
Caudle, Sarah	Gates, Echo	Logan, Josh	Rogers, Natalie	Woodson, Todd (VP)
Cayeros, Kelsey	Gibson, Russell (VP)	Loretta, Joe (VP)	Rouvaldt, Cara	Worthington, Jennifer
Cestarte, Matthew	Gonzalez, Juan	Lott, Tim	Rushing, Scott	Young, Bryan
Chavchhalov, Drew	Gossett, Robert	Maddox, Jordan	Russell, Jim	Young, Elizabeth
Cheatham, Joseph	Griffin, Stephanie	Mann, Roxie	Saenz, Robert (VP)	

Witness my hand and seal of the corporation this 17th day of October 2023.


Corporate Secretary





TO: Lake County Water Authority Board of Advisors

FROM: Marcia Bush, Associate Director, Water Resources

DATE: October 17, 2024

RE: Approval of Purchase Order for FY 24/25 Insurance Policy Renewal

Consent Agenda – Tab 7

Approval of Purchase Order for FY 24/25 Insurance Policy Renewal

Staff is requesting approval of a Purchase Order for FY 24/25 Insurance Policy Renewal with the Florida League of Cities. An Asset Survey is conducted by the provider every 5 years which resulted in an increase in the Total Insured Value (TIV). The Total Insured Value went from \$5,650,190 to \$18,610,190 which is more than a 200% increase in values. The survey was comprehensive and staff worked to ensure it covered LCWA properties and facilities. Aside from the property increase the rest of the renewal remained generally flat.

Tyler Denahan the insurance representative stated that the renewal does include 3 different property quote options: 5%, 7.5%, and a 10% Named Storm Deductible. While the upfront cost savings is up to \$22,660 if the authority elects the 10% NSD it would increase the authority's financial exposure in the event of a storm. The current deductible is 5%. Therefore, staff is recommending the option one as outlined and to approve the purchase order in the amount of \$175,310. The purchase order breakdown will be as follows:

General/Professional Liability	\$24,162.00
Cyber Liability	\$1,103.00
Automobile Liability	\$3,678.00
Automobile Physical Damage	\$3,080.00
Property	\$142,332.00
Workers Compensation	\$956.00
Total Purchase Order:	175,310.00

Executive Director's Recommendation:

1. Executive Director requests approval to open a purchase order with the Florida League of Cities for Option 1 as quoted and recommended in the amount of \$175,310.00 for the LCWA FY 24/25 insurance policy renewal.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue



RENEWAL QUOTE FOR 2024-2025

Lake County Water Authority
FMIT 0432

<u>Coverage</u>	<u>Deductible</u>	<u>Limit</u>	<u>Premium</u>
General/Professional Liability Deductible Stoploss Amount	\$5,000 \$23,057	\$2,000,000	\$24,162
Cyber Liability	\$5,000	\$1,000,000	\$1,103
Automobile Liability Deductible Stoploss Amount	\$5,000 \$15,000	\$2,000,000	\$3,678
Automobile Physical Damage	Per Schedule		\$3,080
Property	\$1,000	\$18,610,190	\$142,332
Workers' Compensation Experience Modification 0.84	\$2,500 10/1/24	Total Payroll \$60,000	\$956
TOTAL NET PREMIUM			\$175,310

*Includes: Drug Free Credit: No
Safety Credit: No

Please Note: All descriptions of coverage provided herein are intended for illustration and general discussion purposes. Do not rely upon this communication for coverage. Refer to the FMIT Coverage Agreement(s) for applicable coverage terms, conditions, limits and obligations.

The premiums quoted above are priced according to the coverage lines presented. Any change or deletion of coverages may result in re-pricing of remaining coverage lines.

***Please see next page for options if applicable.**



RENEWAL QUOTE FOR 2024-2025

Lake County Water Authority
FMIT 0432

DEDUCTIBLE / LIMIT OPTIONS

	<i>Named Storm Deductible</i>	<i>Annual Premium</i>	<i>Check Option</i>
<i>Property - Wind Coverage</i>			<i>Accepted Rejected</i>
Option 1	5%	\$142,332	☐ ☐
Option 2	7.5%	\$130,945	☐ ☐
Option 3	10%	\$120,982	☐ ☐

Please note: All descriptions of coverage provided herein are intended for illustration and general discussion purposes. Do not rely upon this communication for coverage. Refer to the FMIT Property Coverage Agreement for applicable coverage terms, conditions, limits, and obligations.

Special Note: The Named Storm Deductible option will default to the expiring selection unless FMIT is notified otherwise by completing and returning this form to your Account Executive.



TO: Lake County Water Authority Board of Advisors

FROM: Marcia Bush, Associate Director, Water Resources

DATE: October 17, 2024

RE: Approval of Addition to Contract 24-W16 for Janitorial Services
at Hickory Point Recreational Complex for an amount not to exceed \$26,268.50.

Consent Agenda – Tab 8

***Approval of Addition to Contract 24-W16 for Janitorial Services
at Hickory Point Recreational Complex for an amount not to exceed \$26,268.50***

The Water Authority currently holds an active agreement with Faithworks Total Ground Maintenance, LLC. for Janitorial Services. Since the Office of Parks & Trails is now managing the operations of the Hickory Point Recreation Complex it would like to expand on the current LCWA Janitorial Services agreement with Faithworks Janitorial, LLC. to provide janitorial services at the HP Volleyball Beach Building (restroom), HP Volleyball Building's interior restroom /meeting space, and exterior restrooms at the HP Recreation building located by the soccer fields, through the contract duration of June 30, 2025, for an amount not to exceed \$26,268.50. Staff is currently working on rebidding all janitorial services for LCWA which will take effect at the after this current contract expires. An estimate for these additional services is attached for review and approval.

Executive Director's Recommendation:

1. Recommends the approval of the addition to contract 24-W16 for Janitorial Services at Hickory Point Recreational Complex for an amount not to exceed \$26.268.50.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

Faithworks Total Ground Maintenance, LLC
PO Box 88
Tavares, FL 32778
(352) 729-2507
info@faithworkstotalground.com



Estimate

ADDRESS

Lake County Water Authority
27351 SR 19
Tavares, FL 32778
LCWA:24-W16

ESTIMATE # 1494

DATE 10/01/2024

PMT METHOD

Chase 5/11

ACTIVITY	QTY	RATE	AMOUNT
Janitorial Exterior Restroom Cleaning: Daily cleaning of the HP Volleyball Beach building restrooms, including: Sweeping and mopping floors. Disinfecting toilets, sinks, and surfaces. Cleaning mirrors and removing trash. Replenishing supplies (soap, toilet paper, etc.). Spot-cleaning walls and doors and maintaining the entrance area. ALL JANITORIAL SERVICES AT HICKORY POINT (PROPERTY) AND PRESERVES, ETC., LISTED UNDER CONTRACT 24-W16, WILL EXPIRE ON JUNE 30, 2025.	273	52.00	14,196.00
Janitorial Interior Restroom/Meeting Space Cleaning: Weekly cleaning of restrooms and meeting areas in the HP Volleyball Beach Bldg, including: Sweeping and mopping floors, disinfecting toilets, sinks, and surfaces. Cleaning mirrors, removing trash, and restocking supplies. Dusting and wiping down tables, chairs, and common touchpoints in the meeting space. Spot-cleaning walls and doors and tidying up the room. ALL JANITORIAL SERVICES AT HICKORY POINT (PROPERTY) AND PRESERVES, ETC., LISTED UNDER CONTRACT 24-W16, WILL EXPIRE ON JUNE 30, 2025.	40	80.00	3,200.00

ACTIVITY	QTY	RATE	AMOUNT
Janitorial Exterior Restroom Cleaning: Daily cleaning of the exterior restrooms at the HP Recreational Bldg. (by soccer fields), covering: Sweeping, mopping, and disinfecting floors, toilets, and sinks. Cleaning mirrors, removing trash, and restocking supplies. Spot-cleaning walls and doors maintaining cleanliness around entrances. ALL JANITORIAL SERVICES AT HICKORY POINT (PROPERTY) AND PRESERVES, ETC., LISTED UNDER CONTRACT 24-W16, WILL EXPIRE ON JUNE 30, 2025.	273	32.50	8,872.50

Thank you, we appreciate your business.

TOTAL

\$26,268.50

Accepted By

Accepted Date



TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 18, 2024
RE: Approval of Lake of the Woods Study

Consent Agenda – Tab 9

Approval of Lake of the Woods Study

At the September 18, 2024 LCWA Board Meeting representatives from Lake County Public Works Department addressed the board regarding conducting a hydrological study in the Lake of the Woods Area. Residents of the Lake of the Woods community attended and were present to share their concerns regarding lake level increases in the Lake of the Woods area near Mt. Dora, Florida. Staff recommends supporting the Public Works Department grant request in the amount of \$200,000 to contribute to the study.

Executive Director's Recommendation:

1. Authorize the Executive Director to work in partnership with Lake County Public Works regarding conducting a hydrological study of the Lake of Woods area near Mt. Dora. Authorize the Executive Director to provide \$200,000 in grant funding assistance to the County for the study.

BOARD OF TRUSTEES

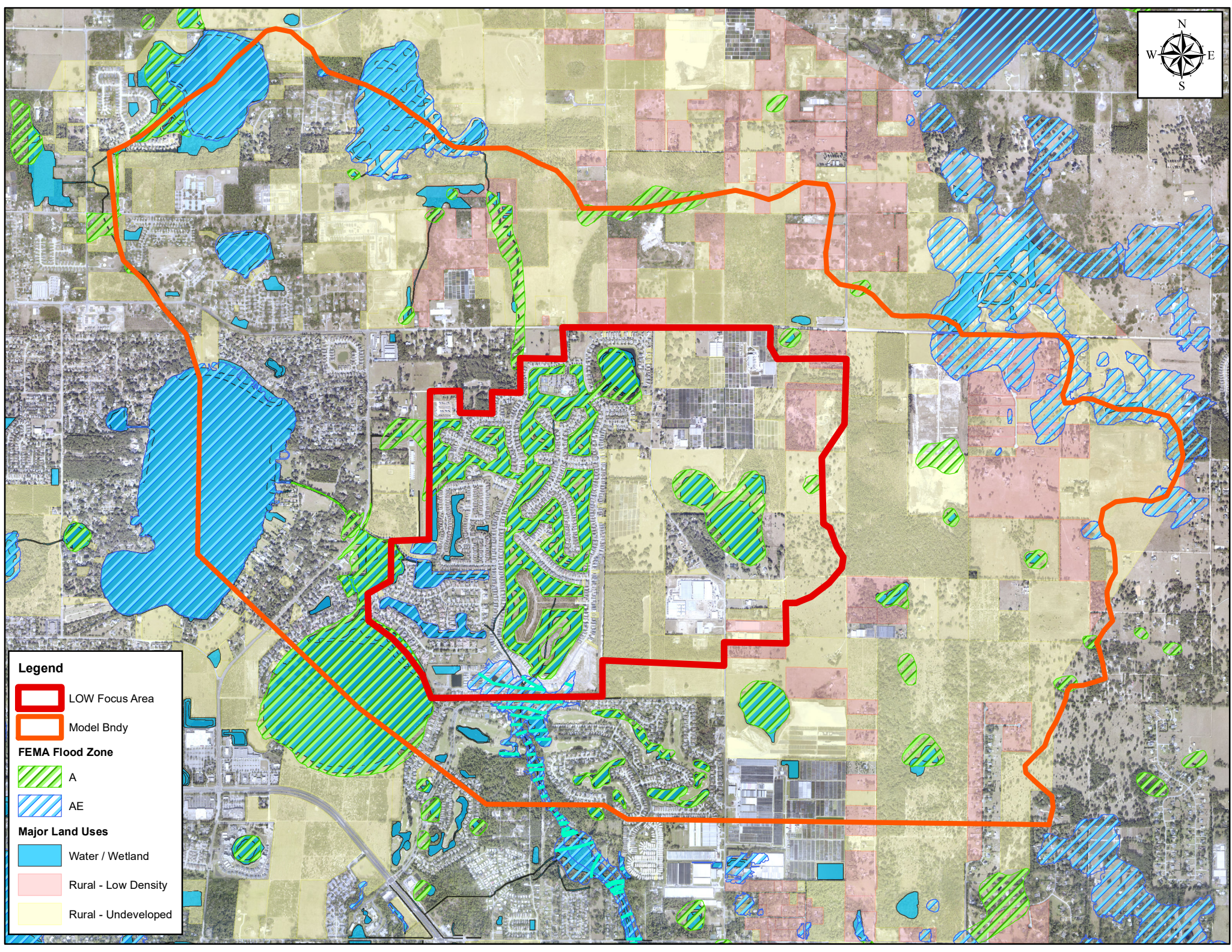
District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue



Legend

LOW Focus Area

Model Bndy

FEMA Flood Zone

A

AE

Major Land Uses

Water / Wetland

Rural - Low Density

Rural - Undeveloped



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

27351 SR 19 • Tavares, Florida 32778-4251 • (352) 324-6141 • Fax (352) 324-6364 • email: info@lcwa.org • www.lcwa.org

TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 17, 2024
RE: Woodard & Curran NuRF Hurricane Milton Presentation

Regular Agenda – Tab 10

Glenn Burden of Woodard & Curran is present to provide a post storm presentation on the NuRF.

Executive Director's Recommendation:

1. For Informational Purposes Only.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

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TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 17, 2024
RE: Emergency Hurricane Milton Response Presentation

Regular Agenda – Tab 11

Justin Elkins, Associate Director with Water Resources has prepared a presentation regarding Hurricane Milton Emergency Response efforts.

Executive Director’s Recommendation:

1. For Informational Purposes Only.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue



Lake County
WATER AUTHORITY

HURRICANE MILTON WATER RESOURCES PRESENTATION

October 23, 2024



HURRICANE MILTON EMERGENCY DECLARATION

Executive Order Number 24-214

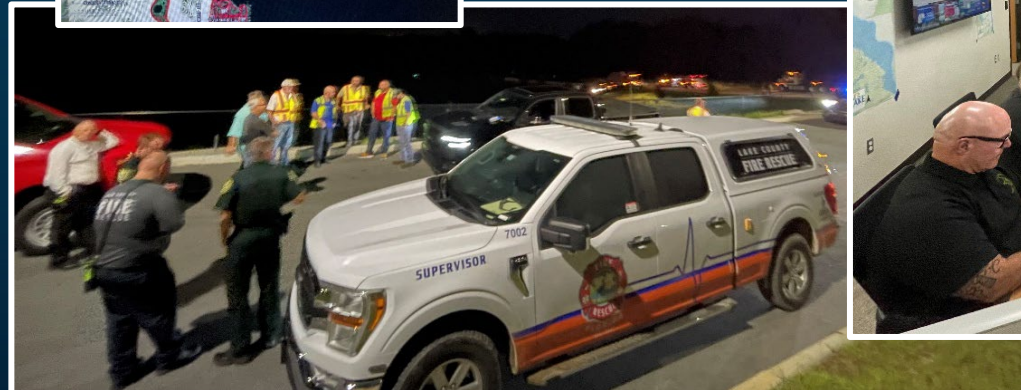
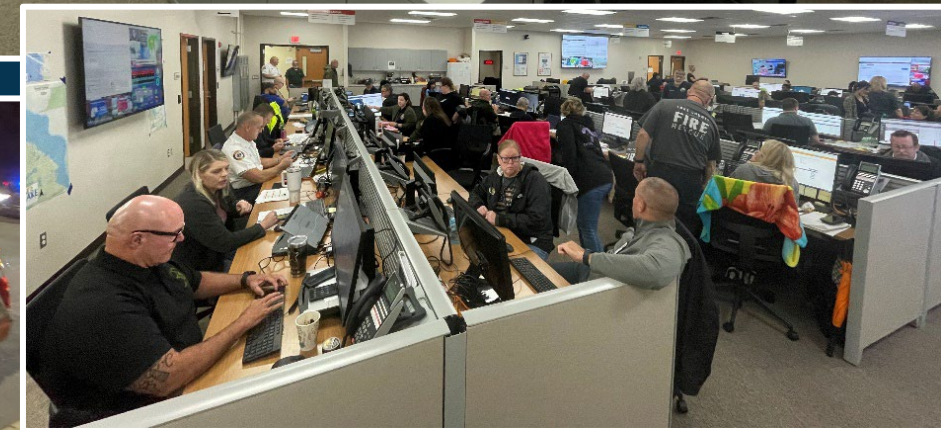
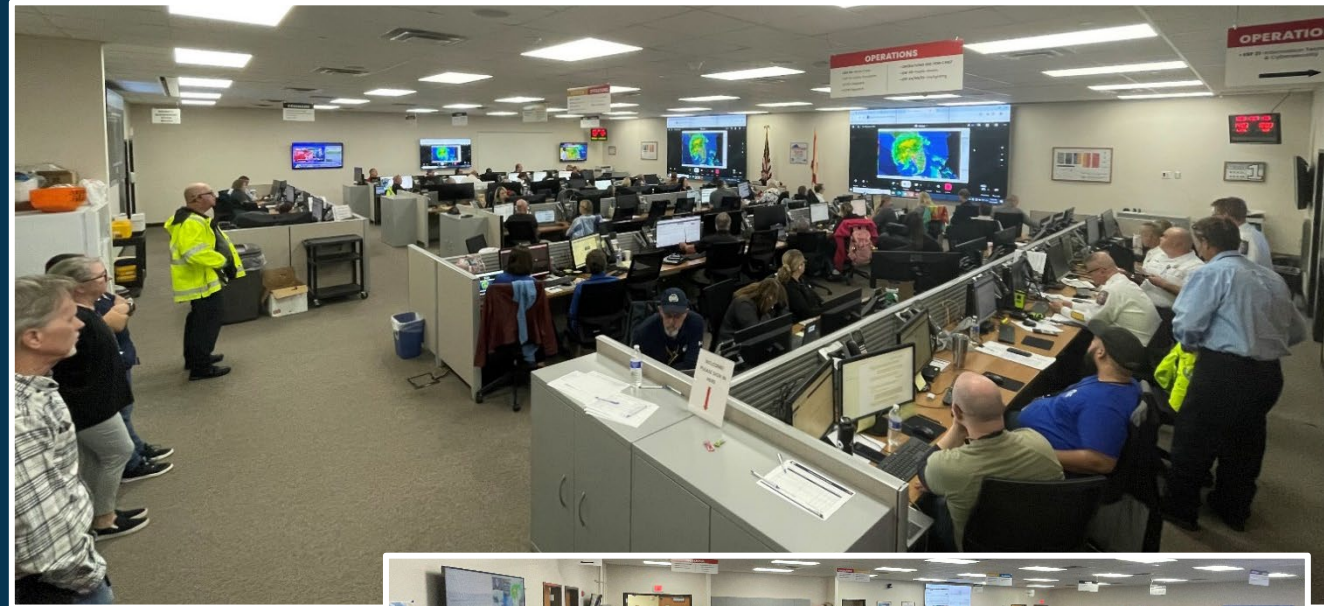
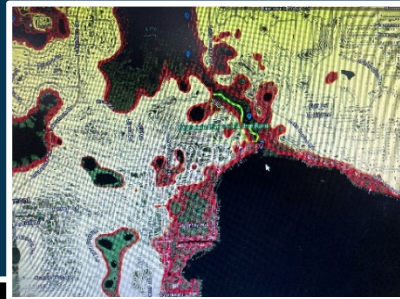
State of Florida, Office of the Governor,
(Emergency Management – Tropical Storm Milton)

Emergency Order No. 2024-03

An emergency order of the Board of County
Commissioners of Lake County, Florida, declaring a local
State of Emergency in response to Hurricane Milton

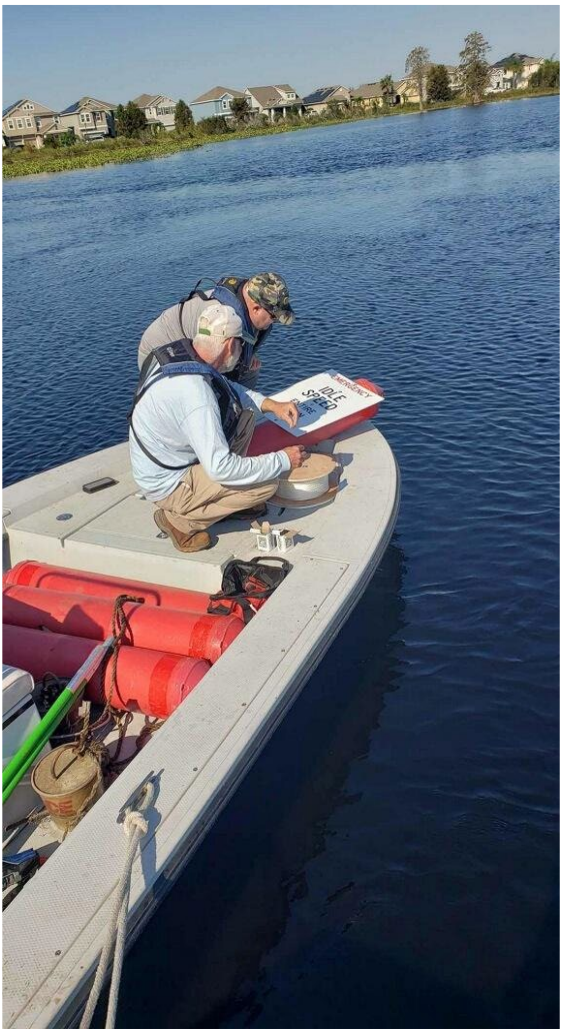
EMERGENCY COMMAND OPERATIONS CENTER

- Operations - Emergency Support Function 12 – Infrastructure (Aquatics)
- Logistics - Emergency Support Function 11 – Food & Water
- Citizen's Information Line





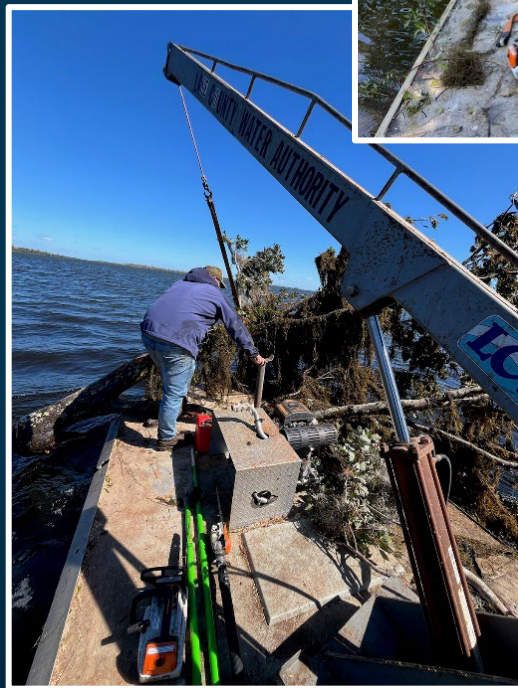
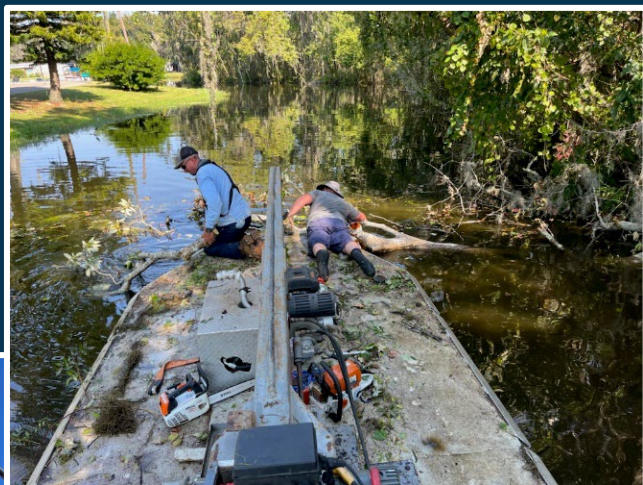
NO WAKE EMERGENCY ORDER



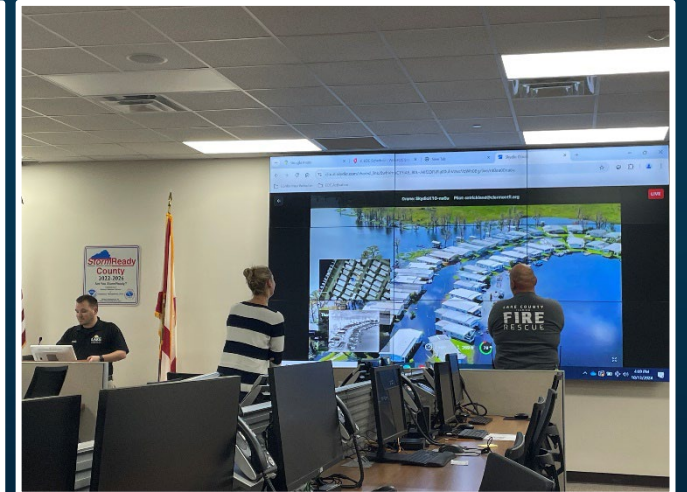
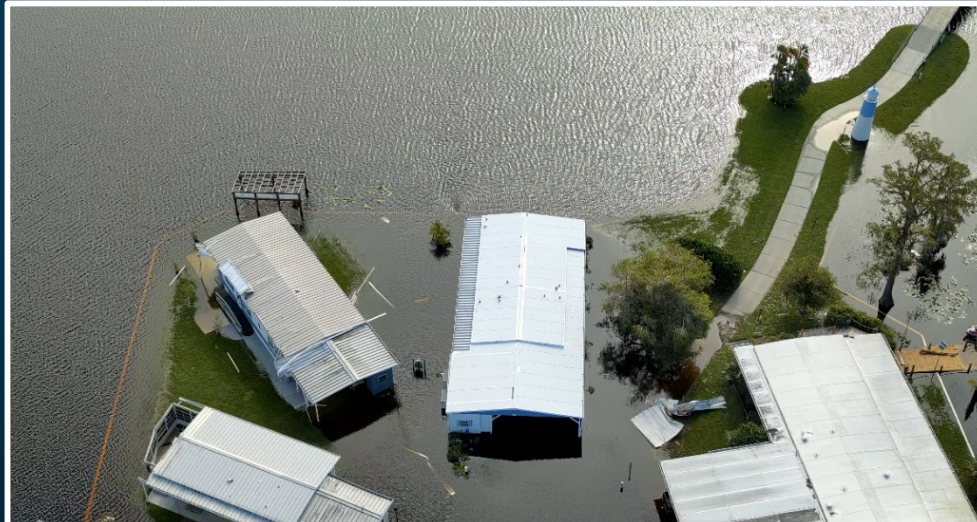
TREES DEBRIS & TUSSOCKS



TREES DEBRIS & TUSSOCKS



FLOODING





FLOODING





Lake County
WATER AUTHORITY

THANK YOU



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

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TO: Lake County Water Authority Board of Advisors
FROM: Marcia Bush, Associate Director, Water Resources
DATE: October 17, 2024
RE: Hurricane Milton Preserves Presentation

Regular Agenda – Tab 12

Wendy Poag, Director of Water Resources and Marcia Bush Associate Director with Water Resources have prepared a post storm update for LCWA preserves.

Executive Director’s Recommendation:

1. For Informational Purposes Only.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue



Lake County
WATER AUTHORITY

HURRICANE MILTON PRESERVES PRESENTATION

October 23, 2024

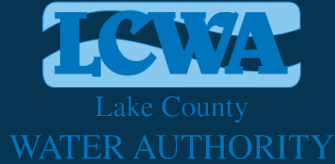


POST STORM PRESERVES UPDATE

Post Storm Update

Staff conducted inspections and began immediate clean up efforts to clear preserve properties & all trails of fallen trees & debris left behind by Hurricane Milton so that Trails could be reopened to the public as quickly and safely as possible.

The Hurricane caused many down trees, limbs & debris at all preserve properties.



OVERVIEW

LCWA PRESERVES – Post Storm Update

Bourlay – **OPEN**

Crooked River – **OPEN**

≈ was closed temporarily due to flooding & down trees

Flat Island – **OPEN**

≈ Damage to the Boardwalk, Boardwalk trail is closed for repairs, no kayak or canoe rentals at this time.

Scrub Point – **OPEN**

≈ Kayaks available

Hidden Waters – **OPEN**

Sabal Bluff – **OPEN**

Sawgrass Preserve – **CLOSED**

≈ Trails are Flooded, waiting for waters to recede

CROOKED RIVER

- Flooding Along Trail & Tree Debris



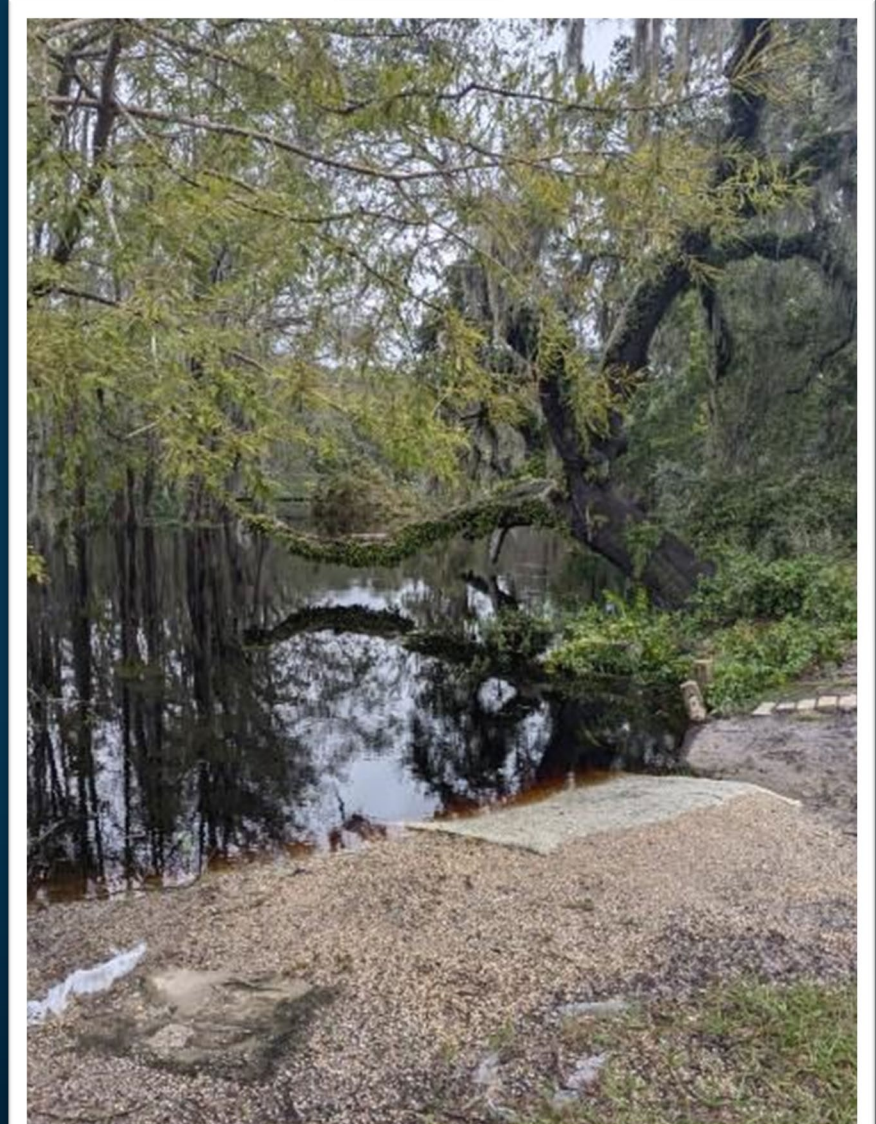
CROOKED RIVER

- Large – Downed Trees along trail



CROOKED RIVER

- Tree Down in Canoe & Kayak Launch Area



Flat Island Boardwalk Trail & Entrance



POST STORM PRESERVES UPDATE

Continued Efforts

This is the latest update as of October 17th, 2024. Staff will continue to clean up and repair efforts as needed until all preserves are back to full operation.



Lake County
WATER AUTHORITY

THANK YOU



TO: Lake County Water Authority Board of Advisors

FROM: Marcia Bush, Associate Director, Water Resources

DATE: October 17, 2024

RE: Office of Parks & Trails Overview /Hickory Point Recreation Complex

Regular Agenda – Tab 13

1. Presentation by the Office of Parks & Trails:

- Parks & Trails Overview
- 2024 Storm Events
- Hickory Point Recreation Complex

2. Property Transfer – Mission Alignment

At the June 12, 2024 Water Authority Meeting, the Executive Director shared possible property transfer opportunities with the Board. Since, the Lake County Water Authority and the Lake County Board of County Commissioners own and operate a significant number of park & preserve properties which are managed by the Department of Parks & Water Resources, staff is recommending potential property transfer opportunities to better align these properties so that they are under the appropriate managing organization consistent with their respective missions. These potential transfer opportunities, which have already been approved by the Parks Advisory Committee, will create future management and operational efficiencies and benefits the residents of Lake County. A copy of the property transfer opportunities provided at the June 12th meeting has been provided for reference.

At this time, staff is recommending moving forward with the next steps in the process to transfer Hickory Point Recreation Complex to the Board of County Commissioners. As part of the mission alignment, the transfer of the Hickory Point Recreation Complex would also include removal of the Mike Stone Soccer Complex sign currently installed on the berm along SR19. The sign will be replaced with an approved plaque erected or installed on the exterior wall of the soccer restroom/concession building similar to other county facilities and consistent with the adopted Lake County policy LCC-69 Naming County Facilities and Placement of Memorials. This will be the case for any other naming of facilities in the complex.

Executive Director's Recommendation:

1. Approve the transfer of ownership of the Hickory Point Recreation Complex from Lake County Water Authority to Lake County Board of County Commissioners.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue

2. Authorize the Executive Director to work with the County, Chairman, and Legal Counsel to perform all due diligence and execute all supporting documentation including a resolution related to the transfer and ownership, development, and management of the Hickory Point Recreation Complex.



OFFICE OF PARKS & TRAILS OVERVIEW / HICKORY POINT RECREATION COMPLEX

October 23, 2024

- Overview
- 2024 Storm Events
- Hickory Point Recreation Complex
- Requested Action

Parks and Water Resources includes:

- **Parks and Trails**
- Water Resources
 - Lake County Water Authority
 - Aquatic Plant Management
 - Mosquito Management
 - Water Quality Lab

Parks and Water Resources



Hickory Point Park

27341 State Road 19, Tavares

Office of Parks and Trails

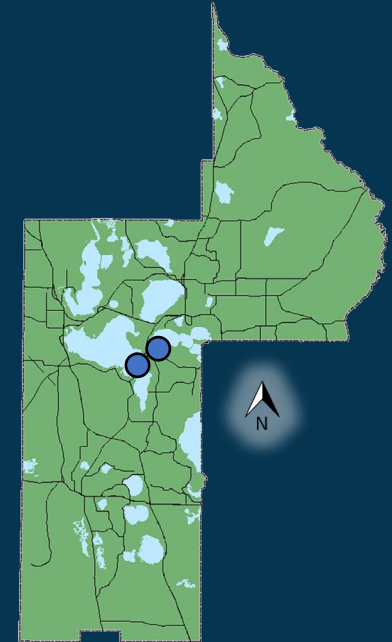
Lake County Water Authority

Aquatic Plant Management

Mosquito Management

Lake County Water Quality Lab

28432 Lady of the Lakes Ave., Tavares



- Plan, develop, manage and maintain a clean, safe and attractive parks and trails system for the health and enjoyment of all County residents and visitors while promoting recreation, sports and tourism
- Preserve and restore lands to protect water resources, habitat and wildlife corridors while promoting eco-tourism through educational passive recreation opportunities

OVERVIEW PARKS AND TRAILS

Active Parks:

- 3 sports complexes
- 13 parks

380 acres

Passive Parks:

- 14 parks
- 15 boat ramps

175 acres

Public Lands:

- 13 properties

3,361 acres

Trails:

- 37 miles paved
- 38 miles unpaved

75 miles

Blueway Trails:

- 9 blueways

162 miles

Community/Senior Centers:

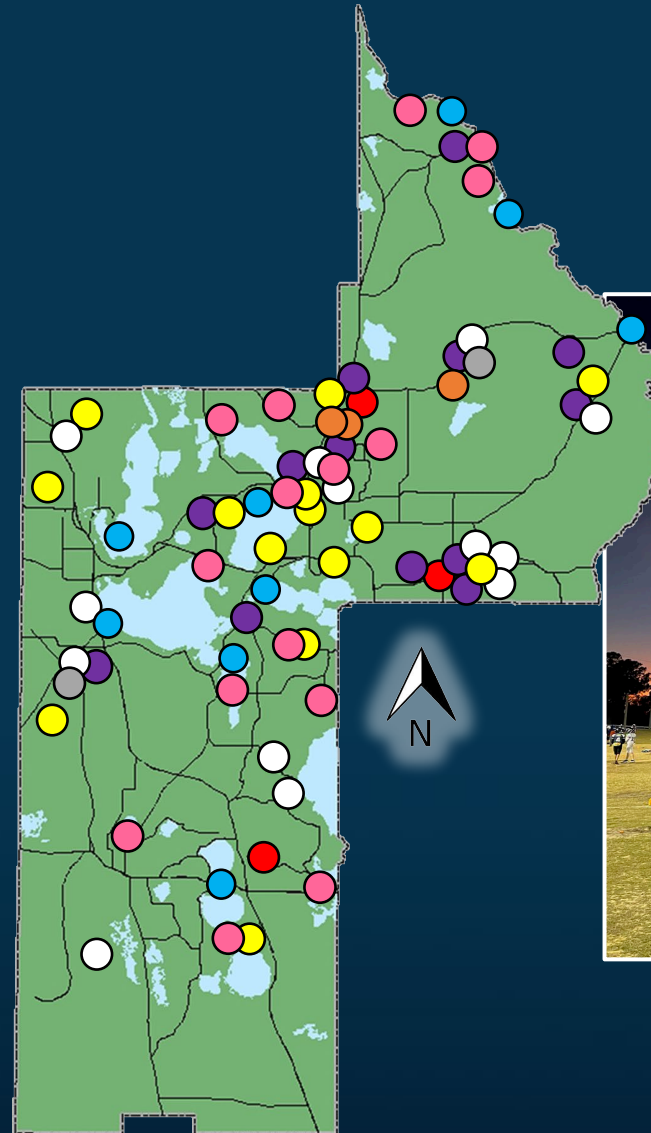
- Centers

3

Nature Centers:

- Centers

2

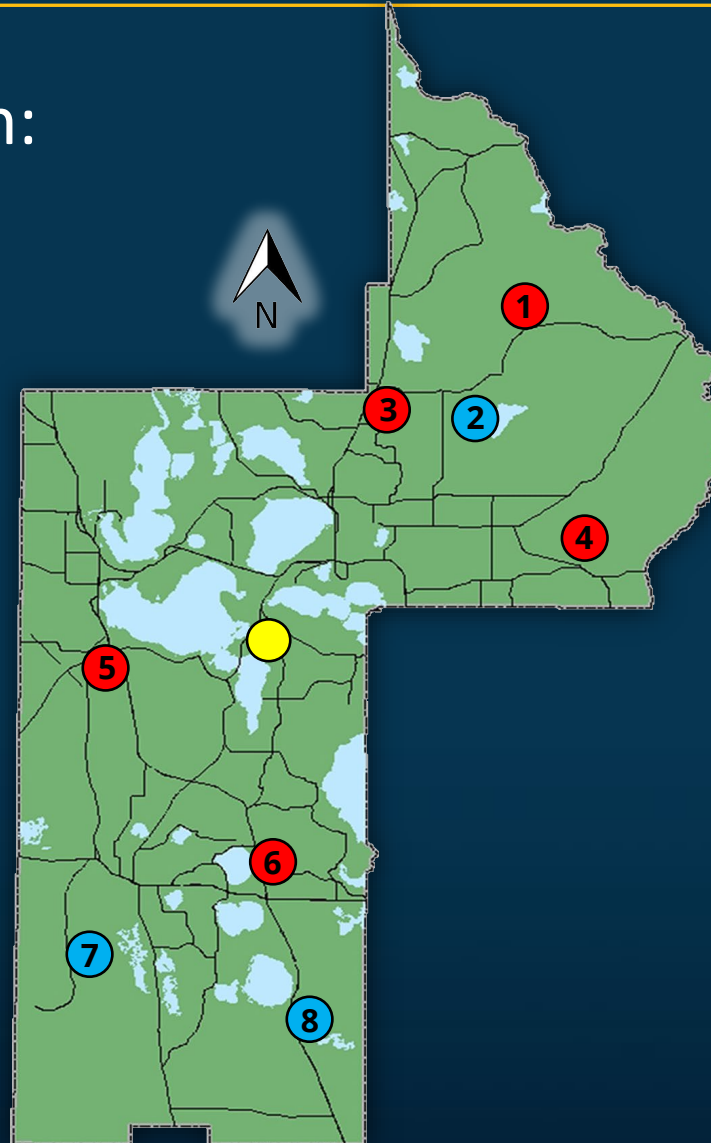


Staffing and Hours of Operation:

- Open 7 days a week
- Extended hours for gated / staffed parks
- 14 out of 15 boat ramps open 24 hours
- 7 cemeteries – maintenance only
- 6 Field Staff locations
 - 3 additional planned locations

Advisory Board:

- Parks, Recreation and Trails
Advisory Board – 5 members



Office / Field Staff Locations

- Parks and Water Resources Main Office
- ① Ellis Acres Reserve
- ② Lake Norris Conservation Area (Future)
- ③ North Lake Regional Park
- ④ East Lake Sports and Community Complex
- ⑤ P.E.A.R. Park Wildlife Conservation Area
- ⑥ Minneola Athletic Complex
- ⑦ Pasture Reserve – (Future)
- ⑧ Wellness Way Regional Park (Future)

2024 STORM EVENTS

7 SANDBAG SITES

Sandbag Totals

Tropical Storm Debby: 6,272

Hurricane Helene: 11,993

Hurricane Milton: 147,970



2024 STORM EVENTS COMFORT STATIONS

Locations:

Butler Street Boat Ramp

55400 Butler St
Astor, FL 32102

Pine Forest Park

32520 State Road 44
Eustis, FL 32736

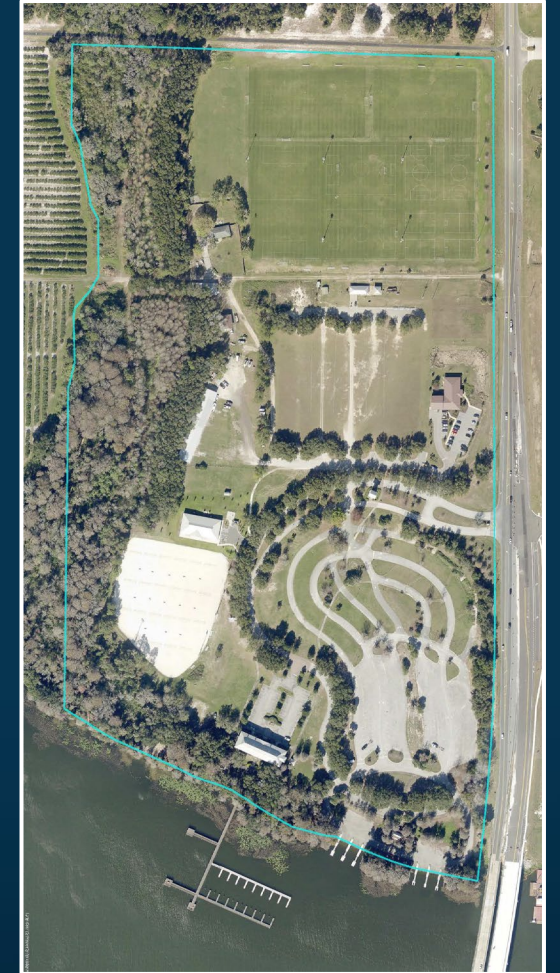
Amenities:

Showers
Laundry (Washer and Dryer)
Restrooms
Water/Food Distribution



LCWA Hickory Point Recreation Complex

- Purchased in 1987
- 69 acres
- 12 boat slips
- Multiple soccer fields
- Multiple beach courts
- Fishing Pier
- Multiple Restrooms
- Playground
- Swim beach
- 2 Story picnic pavilion



HICKORY POINT RECREATION COMPLEX

Year-To-Date Pavilion Rentals:

January: 12
February: 26
March: 27
April: 19
May: 19
June: 17
July: 11
August: 11
September: 25

Upcoming Pavilion Rentals:

October: 13
November: 25
December: 4

3-Month Vehicle Counter Data

- July: 7666
- August: 7563
- September: 10,143

2024 Fishing Tournaments:

January: 3
February: 3
March: 3
April: 3
May: 2
June: 1

* Six boat ramps are currently under improvements but the other set of 6 always remain open.



HICKORY POINT IMPROVEMENTS

Paved Walkways

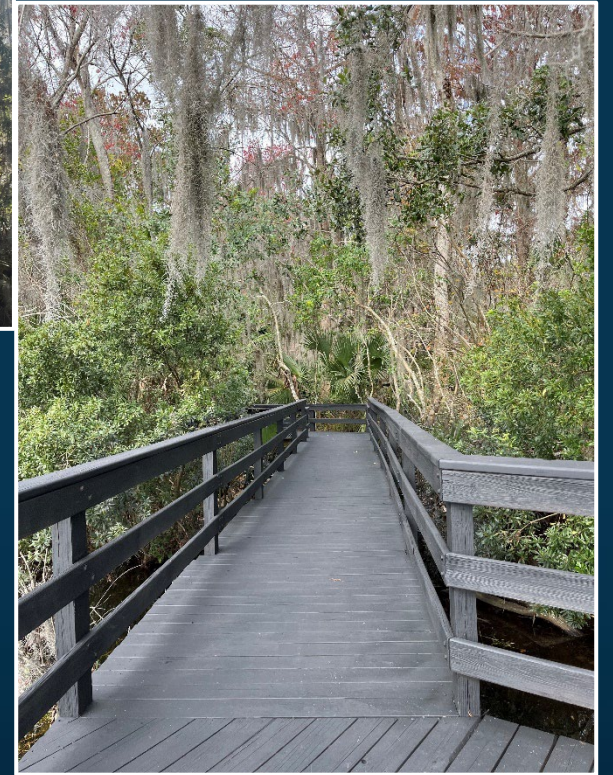
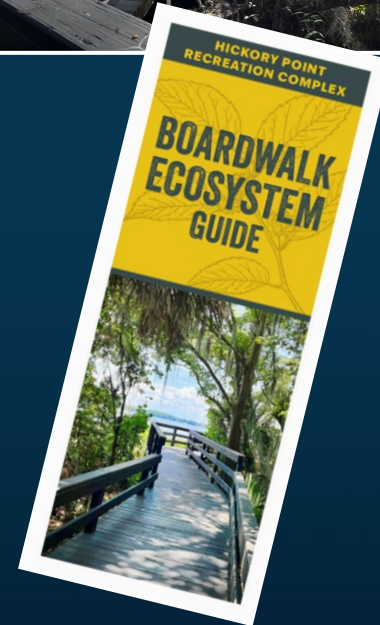


Before



After

Nature Walkways



HICKORY POINT IMPROVEMENTS

Pavilion

Before



After



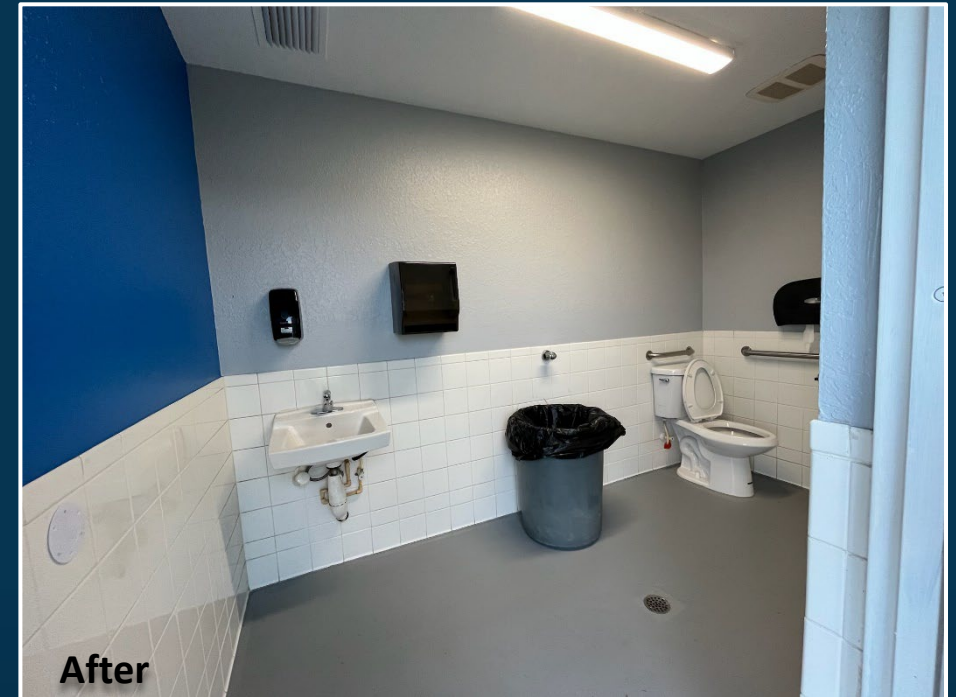
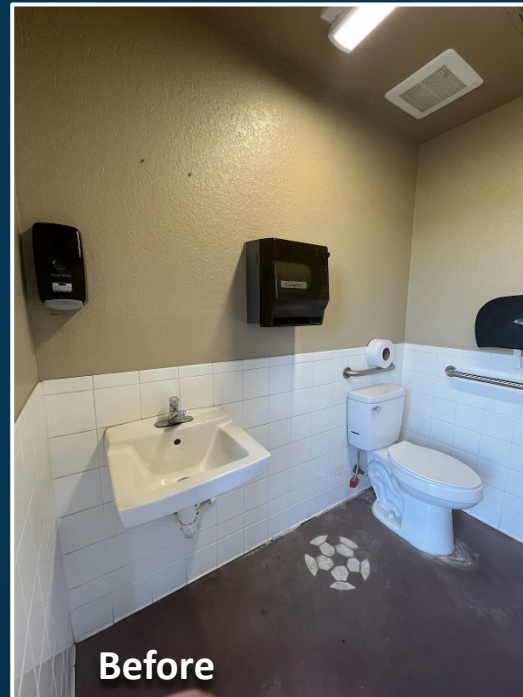
Improvements includes replacement of rotted wood, screen repairs and exterior painting

HICKORY POINT IMPROVEMENTS

Multi-Purpose Fields

Improvements to date:

- Ongoing turf maintenance
 - Mowing
 - Edging
 - Weedeating
- Restrooms
 - Interior painting
 - Daily cleaning
 - Additional temporary improvements to include light fixtures, mirror, soffits and drain spouts

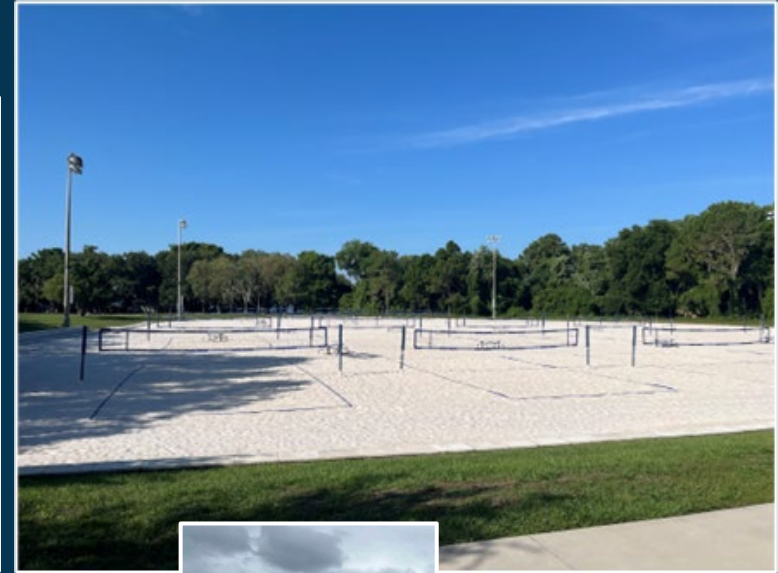


HICKORY POINT IMPROVEMENTS

Beach Sand Courts

Improvements to date:

- ADA sidewalks repairs
- Pro Beach Customized Volleyball nets
- Pro Customized Pole Pads
- Boundary Lines
- Clamp-on Antennas
- Sand plates
- Walk behind sand cleaner/sifter
- ADA picnic tables



Beach Court Events

Completed Events:

- Aug 21-25, 2024: USA Beach Tennis Tournament: ITF BT100 - Tavares
624 Participants, 1,200 Attendees Total, 7 Different USA States , 17 Different Countries, 58.6K Youtube Live Stream Video Views
- Sept 7-8, 2024: Beach Volleyball Junior College Showcase and Tournament
128 Participants, 500 Attendees Total, 13 Different USA States, 11 College Coaches
- Oct 11-13, 2024: Beach Tennis Orlando
- 180 Participants, 540 Attendees



Beach Court Events

Upcoming Events:

- Nov 2-3, 2024: AVCA East Coast Qualifier Pairs Sand Court Experts
- Nov 9-10, 2024: AVP America
- Dec 7-8, 2024: Beach Therapy Tennis Tournament
- Dec 13-15, 2024: Optimum Beach Volleyball College Showcase
- Dec 27-29, 2024: P1440
- Jan 1-3, 2025: AVP America Winter World Mega
- Jan 11-12, 2025: Get Noticed Beach Volleyball
- Feb 15-17, 2025: AVP America
- April 5-6, 2025: AVP SandStorm Beach Volleyball
- May 24-26, 2025: Beach Prospects National Recruiting Showcase
- Sept 6-7, 2025: Get Noticed Beach Volleyball Showcase



HICKORY POINT GRANT REQUESTS

Hickory Point Pickleball funding request: \$750,000

Improvements include but are not limited to:

- New pickleball Courts
- Support facilities
 - Spectator bleachers
 - Lighting
 - Shade structures/pavilions
 - Restrooms
 - Court equipment such as nets, brooms, storage, etc.



*Improvements will be completed in phases as funding is made available.

HICKORY POINT GRANT REQUESTS

Hickory Point Beach Courts and Athletic Fields funding request: \$2,100,000

Improvements include but are not limited to:

- 8 sand courts with equipment
- Lighting
- Bleachers
- Shade structures/pavilions
- ADA compliant walkway improvements
- Turf grass replacement, restroom improvements, scoreboards for multi-purpose fields



*Improvements will be completed in phases as funding is made available.

PARTNERSHIPS & COLLABORATION

- Office of Communications: Create marketing content for Social Media, Promotional Videos, Print Advertisements, and Press Releases.
- Discover Lake: Distribute marketing content through trade shows, conferences, partnerships, and magazine ads.
- Seek partnerships with local hotels/accommodations including Mission Resort and Club, and Hampton Inn Leesburg/Tavares to provide discount codes in trade off for advertisement.



Mission Alignment

- Hickory Point Recreation Complex

REQUESTED ACTION

- Approve the transfer of ownership of the Hickory Point Recreation Complex from Lake County Water Authority to Lake County Board of County Commissioners
- Authorize the Executive Director to work with the County, Chairman, and Legal Counsel to perform all due diligence and execute all supporting documentation including a resolution related to the transfer and ownership, development, and management of the Hickory Point Recreation Complex



Lake County
WATER AUTHORITY

THANK YOU



**Lake County
WATER AUTHORITY**

Bobby Bonilla, Executive Director Gary J. Cooney, Secretary - Treasurer

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TO: Lake County Water Authority Board of Advisors

FROM: Marcia Bush, Associate Director, Water Resources

DATE: October 17, 2024

RE: Approval of LCWA 2025 Board Meeting Dates

Regular Agenda – Tab 14 - Approval of LCWA 2025 Board Meeting Dates

Month	Meeting Date 12 Meetings Option 1	Meeting Date 11 Meetings Option 2	Meeting Time
Regular Meeting	January 22, 2025	January 22, 2025	3:30 p.m.
Regular Meeting	February 26, 2025	February 26, 2025	3:30 p.m.
Regular Meeting Including 1 st Budget Workshop	March 26, 2025	March 26, 2025	3:30 p.m.
Regular Meeting Including 2 nd Budget Workshop	April 23, 2025	April 23, 2025	3:30 p.m.
Regular Meeting	May 28, 2025	May 28, 2025	3:30 p.m.
Regular Meeting	June 25, 2025	June 25, 2025	3:30 p.m.
Regular Meeting	July 23, 2025	July 23, 2025	3:30 p.m.
Regular Meeting	August 27, 2025	August 27, 2025	3:30 p.m.
Regular Meeting	September 24, 2025	September 24, 2025	3:30 p.m.
Regular Meeting	October 22, 2025	October 22, 2025	3:30 p.m.
Regular Meeting*	November 19, 2025	December 10, 2025	3:30 p.m.
Regular Meeting*	December 10, 2025		3:30 p.m.

*These dates fall outside the normal 4th Wednesday. *

Executive Director's Recommendation:

1. For Board Approval.

BOARD OF TRUSTEES

District One
Marty Proctor

District Two
Trampis BonJorn

District Three
Birdie Zenishek

District Four
Butch Hendrick

District Five
Rick Donohue