

FINAL

**MINUTES OF THE MEETING
of the
HARRIS CHAIN OF LAKES RESTORATION COUNCIL**

May 5, 2006

The May meeting of the Harris Chain of Lakes Restoration Council (Council) was held at 9:00 AM on May 5, 2006 at the Lake County Board of County Commissioners' Chambers, 315 West Main Street, Tavares, Florida.

Members Present

Skip Goerner, Chairman
Hugh (Dave) Davis II, Vice Chairman
Keith Farner
Robert Kaiser, P.E.
Richard Royal
Ted Woodrell

Members Absent

Rick Powers, P.G., Secretary
Don Nicholson
Edward M. Schlein, M.D.

1. CALL TO ORDER

Chairman Skip Goerner called the meeting to order at 9:00 AM.

2. INVOCATION AND PLEDGE OF ALLEGIANCE

The Invocation was given by Councilman Bob Kaiser, followed by the Pledge of Allegiance.

3. ROLL CALL

Chairman Goerner called roll. Secretary Rick Powers and Councilmen Don Nicholson and Edward Schlein, M.D. were not present.

4. APPROVAL OF MINUTES

A call was made for discussion of the minutes from the April 7, 2006 meeting. Chairman Goerner requested that a review of the funding discussed on page 8 of the draft minutes be reviewed and corrected. Patrick Hunter, Recording Secretary for the Council said that he would review and correct the information as presented in the draft minutes. A vote to approve the April meeting minutes with the suggested review and edits, passed unanimously.

5. DISCUSSION ITEMS

Chairman Goerner then discussed the current budget requests being reviewed by the Florida Legislature saying that the Council has prepared three Community Budget Initiative Requests (CBIRs). One of those requests for \$850,000 to assist the Lake County Water Authority (LCWA) with the Lake Griffin access canal dredging had been approved. He explained that another CBIR was submitted by the Council for \$750,000 to fund their combined initiative request for vegetative planting, aquatic weed control and fish restocking. He said that the Legislature had approved \$369,500 of that request. Chairman Goerner went on to say that the Council had submitted a third CBIR in the amount of \$250,000 to fund the toxic algae study in the Harris Chain of Lakes (HCOL) and that he has not been able to locate that request and was unsure of its status. Regardless, Chairman Goerner believes that the Council did very well in securing funding for the HCOL.

Councilman Kaiser asked if the current funding received for the access canal dredging could be used for the additional dredging discussed during the April council meeting. Chairman Goerner said yes and that the LCWA could use the \$850,000 as they see fit for the dredging project. He added that the LCWA had offered matching funds for the access canal dredging budget request which was instrumental in the approval of the request.

Quarterly Budget Report, 2nd Quarter FY05-06 – Ted Woodrell

Councilman Ted Woodrell briefly presented the 1st Quarter Budget Report – Fiscal Year 2005-2006. He explained that as of March 31, 2006 from the \$50,000 annual operating budget the expenditures and encumbrances were \$29,964.95, leaving a balance of \$20,635.05 of which \$14,577.00 is obligated for consulting services and University of Florida (UF) services. The Council approved of the budget as presented.

Recording Secretarial Services

Gene Caputo of the St. Johns River Water Management District (SJRWMD) reminded the Council of their request to advertise the position of Recording Secretary to the Council as a Request for Proposal (RFP). Mr. Caputo said that they are preparing the RFP for the next fiscal year and believes to have the contract secured for the position by July or August. Mr. Caputo went on to say that there is a pending change of status with the company that their current Recording Secretary, Patrick Hunter works for and that Mr. Hunter would explain that to the Council.

Mr. Hunter explained that he was separating from Applied Sciences Consulting, Inc. (Applied Sciences) to start his own company. He said that the main focus of Applied Sciences is within the engineering industry and that he is more geared towards the environmental industry. Mr. Hunter explained that it was an amicable separation from Applied Sciences and the separation will be complete by the end of the month. He then proceeded to offer his continued service to the Council through the end of 2006, in order to complete the annual reporting process. Mr. Hunter assured the Council that if approved, he would be available to write their 2006 Annual Report to the Legislature and that this contract would ensure the continuity that the Council would expect.

Chairman Goerner asked if the contract with Applied Sciences could be assigned to Mr. Hunter or will a new contract need to be issued. Mr. Hunter suggested that a new contract should be approved for his company, Hunter Environmental Consulting, Inc. (HEC) to continue through the end of the current contract or possibly through the end of the calendar year.

Councilman Kaiser said that if it is the intent to sever the contract with Applied Sciences in favor of a new contract with HEC, that he would be agreeable to that move. He added, it is his belief that most contracts have a severance clause and those issues can be sorted out between Mr. Hunter and the SJRWMD.

Vice (V.) Chairman Dave Davis presented his opinion on the matter saying that Mr. Hunter has done a good job for the Council and they have come to expect a good work product from him. He said that with the importance of continuity and with time being of the essence, that if Applied Sciences is agreeable to relinquish their contract, that the Council should support a resolution that would issue a new contract with Mr. Hunter's company.

Mr. Caputo said that both he and Mr. Hunter have spoken with the SJRWMD Procurement Office and the working with them on this matter. He said all of these issues appear to be above board and the SJRWMD will support the Council in their decision.

Councilman Richard Royal suggested that if the SJRWMD has the contract for the Recording Secretary services, then this is an issue to be sorted out by them. Mr. Caputo agreed and said he was coming before the Council to get their recommendations. Chairman Goerner said that it was his understanding that the SJRWMD provides support to the Council, but the Council makes the ultimate decisions on the matters that come before them. Mr. Caputo again agreed.

Councilman Kaiser made a motion that the SJRWMD work out the terms with Mr. Hunter to fulfill the obligations of the contract with the Council. Councilman Keith Farner seconded the motion.

Chairman Goerner expressed his concern that if Mr. Hunter separates from Applied Sciences, will he still have access to the records and materials he has accumulated during his tenure with the Council. Mr. Hunter said yes. Mr. Caputo reminded the Council that the SJRWMD has archived all of the materials generated by the Council, to which Mr. Hunter said that he also maintains copies of all the materials.

Councilman Farner said that he is pleased with the work that Mr. Hunter has done for the Council over the past three years and that they should consider supporting him and his new company. He also said that Mr. Hunter had done a good job on the annual reports that he has written for the Council. Mr. Hunter thanked Councilman Farner for his support.

Chairman Goerner said he also believes that Mr. Hunter has done a good job for the Council. He then suggested an amendment to the motion before the Council that it

includes the Council having the final approval of the proposed contract. Councilman Kaiser accepted the amendment to his motion and called for a vote. The motion for the SJRWMD to work out the terms with Mr. Hunter to fulfill the obligations of the contract as Recording Secretary and that the Council will have final approval of the contract, passed by unanimous vote.

There was also additional discussion as to the duration of the existing contract as to whether it included the writing of the annual report. Mr. Hunter said that as in the previous contracts, it only runs through September 30th while the annual report is not delivered until November. Chairman Goerner said that the Council should review the existing contract and then make a decision about any new contract. Mr. Caputo said that a member of the SJRWMD Procurement Office will attend the June meeting to discuss the contract issues with the Council.

Status of Burrell Lock and Dam on Haynes Creek

Chairman Goerner reminded the Council that at the April meeting they had requested a statement of liability from the SJRWMD and that Richard Howley obtain quotes to repair the seawall at his property.

Richard Howley, owner of Spillway Park located adjacent to the Burrell lock and dam structure explained that he had requested bids from two companies to make the necessary repairs to the seawall at his property. Mr. Howley contends that operation and excessive flows through the Burrell structure has caused his seawall to prematurely erode and begin to lean. He said that one of the companies, R.P. Hardinger had responded with a preliminary bid of \$12,000-\$14,000 to make repairs to the seawall at his property. Mr. Howley said that another company, Native Water Marine Construction was going to submit a bid within a week to install sheet pilings at his property to shore up his existing seawall. He explained that both of the contractors told him there is a void behind the seawall near his boat slips, where the dirt had washed away because the seawall is leaning.

Mr. Howley also mentioned that the sandbar which has accumulated downstream of the Burrell structure is only 18"- 30" below the surface of the water. He said this is limiting boats from being able to access his marina.

Chairman Goerner said that the water is near the lowest point of the regulation schedule which usually occurs around June 1st. He explained that this is a natural occurrence and after the rainy season starts, the water level will come up. Chairman Goerner said the Council will continue their discussion on the matter until the next meeting and requested Mr. Howley obtain at least one more quote for repairs. Mr. Howley agreed.

Councilman Kaiser said that he had been unable to locate historic aerial photographs of the area to examine the Spillway Park property prior to the improvements made to the Burrell structure. He also explained that the sandbar does influence currents in the vicinity of Spillway Park. Additionally, he determined that there does not appear to have been any construction activities in the embayment near Mr. Howley's property prior to construction

of the spillway structure. Councilman Kaiser also said he has not determined what a solution would be to minimize the influence on currents due to the accumulation of the sandbar downstream of the structure. He added that John Richmond (SJRWMD) did not know of any dredging in the area since construction of the structure.

Chairman Goerner asked if the SJRWMD was going to respond on the issue. Larry Battoe, Ph.D. (SJRWMD) said they are in the process of preparing a response on the issue. Chairman Goerner then notified the Council that he will not be present at the June meeting and requested that further discussion on the matter be postponed until the July meeting. The Council agreed.

Harvester Purchase

Chairman Goerner said that he had contacted Aquarius Systems and was notified that currently there are no used harvesters available through that company. He explained that used harvesters frequently become available and said that he will provide another update on the matter during the July meeting.

Status of Presentation to the Lake County Water Authority re: Dredging

Mike Perry, Executive Director of the Lake County Water Authority (LCWA) gave a brief update on the progress of the Lake Griffin access canal dredging project saying Chairman Goerner had made his presentation to the LCWA Board of Trustees (Board) and they agreed to discuss the issue further.

Chairman Goerner said that with the additional funding the Council is going to receive, they can assist the LCWA with the costs of additional dredging. Mr. Perry said that the Board would be more receptive to the additional dredging if the Council is able to assist with the funding.

Chairman Goerner also requested that the Board include the \$40,000 in funding for the operation of the Council in their upcoming budget. Mr. Perry assured the Council that their funding is included in the LCWA draft budget.

6. PRESENTATIONS

No formal presentations were scheduled for the May meeting.

Agency Updates

Mr. Perry provided updates on the proposed Lake Beauclair Nutrient Reduction Facility (NuRF), the status of Lake Beauclair, and the proposed withdraw of water from Lake Apopka.

- NuRF Update
 - LCWA Board approved moving forward with the 90% plans and final design of the project.

- The Board will continue to review the project in steps prior to final approval for construction.
- The LCWA will continue to review data from the Lake Apopka Marsh Flow-way (LAMF) to determine the necessity of the NuRF project.
- Status of Lake Beauclair
 - Based on LakeWatch data, Lake Beauclair is not receiving much benefit from the operation of the LAMF.
 - The water quality in Lake Beauclair is very poor.
 - The LCWA is concerned about meeting the Total Maximum Daily Load (TMDL) Target Concentration of 32 parts per billion (ppb) in Lake Beauclair, even if Lake Apopka meets its TMDL Target Concentration of 55 ppb.
 - There is a general concern that the NuRF may be necessary to assist in meeting the TMDL goals.
- Water withdrawal from Lake Apopka
 - The City of Apopka has proposed to withdraw 14 million gallons per day (mgd) from the lake.
 - There are additional proposals to withdraw 20 mgd from the lake.
 - Water is to be withdrawn from the North Shore Restoration Area (NSRA) of Lake Apopka.
 - The matter is still in discussion and no permits have been issued.
 - The LCWA is concerned about water availability to the downstream lakes.
 - No minimum flow levels have been established for Lake Apopka and the downstream lakes.
 - Withdrawals will be used to supplement reuse water, not for potable supplies.
 - Alternative water supplies must be developed to accommodate growth in the area.

Councilman Farner suggested that the Council may want to hear a presentation by the SJRWMD on the surface water withdrawal issue.

Councilman Royal discussed his knowledge of stormwater discharges and water management within the Zellwood Drainage District saying there is tremendous potential to utilize water stored within that system for reuse. He explained that currently the excess water is pumped into Lake Apopka and that the water is phosphorus rich. He believes the water could be utilized to supplement reuse supplies. Councilman Royal asked if the ditch systems in the Zellwood District are still intact.

Dr. Battoe said that they are and they're currently used to discharge water whenever it becomes necessary. He said the SJRWMD is currently required to keep the Zellwood farms dry and they have been allowed to flood the Duda farms to store excess water.

Councilman Royal asked if the SJRWMD is required to keep the Zellwood farms dry because of the pesticide contamination and if so, how deep into the soils the organochlorines can be found. Dr. Battoe said yes and typically the pesticides are found in the top 12” of soil. Councilman Royal suggested that perhaps the top 12” of soil could be relocated to an area within the farms, in order to accommodate the construction of reservoirs to store water for reuse. Dr. Battoe said that it would involve the relocation of large volume of contaminated soils and that would be a major issue for the SJRWMD. Councilman Royal suggested that there may be a marketable use for the soils from those farms.

Councilman Kaiser said that there isn't a very good market for contaminated soils. Councilman Royal explained that for years there were crops grown in those soils including carrots and that studies have never found residual pesticides in those crops.

Councilman Farner expressed his concern regarding the withdraw of water from Lake Apopka and asked about the permitting procedure to do so. Mr. Perry said that it is a permit application which is similar to a groundwater use permit application. Councilman Farner suggested that the Council review more information about surface water withdraw from Lake Apopka, in the near future.

Chairman Goerner asked if the design and approval process of the NuRF project will be far enough along that will allow the Council to include a request for funding assistance in their Community Budget Issue Request (CIBR) later in the year. Mr. Perry said that he believed the project should be approved sometime this summer.

Councilman Kaiser asked if funding sources have been secured for the NuRF project. Mr. Perry said that the Florida Department of Environmental Protection (FDEP) has offered \$500,000-\$750,000 to support the project and currently the LCWA is responsible for the balance of the costs. He added that the SJRWMD is donating the land on which the NuRF will be constructed. Mr. Perry said the estimated cost of the project is \$5.2 million.

Chairman Goerner and Councilman Farner both offered the support of the Council to request funding for the project upon final approval by the LCWA Board.

Councilman Farner asked if the LCWA is considering any other projects that the Council can assist through funding requests. Mr. Perry said that they are still working on the Lake Beauclair restoration project and are trying to resolve issues with that. He explained it is estimated that 1.5 million cubic yards (mcy) of material would need to be dredged from the lake and at a cost of \$10 per cubic yard, which would be \$15 million. He said that the sources of funding remain an issue, even though the project is more than one year in the future.

Charles Clark, a former Council member and attending the meeting as a private citizen, discussed his view of the withdrawal from Lake Apopka saying that if 20 mgd is withdrawn from the lake, it would be equivalent to 25,000 cubic feet per second (cfs) of

water flowing down the Apopka-Beauclair (A-B) Canal. He explained that the annual average of flow down the canal is 40,000-50,000 cfs and the withdrawal could reduce that flow by as much one-half. Mr. Clark's concern is that the NuRF project requires large volumes of water to be successful and the withdrawal from Lake Apopka could jeopardize the success of the project. He said that he'd recently submitted an article to the Orlando Sentinel stating this opinion and suggested that the Council become involved in this issue.

Chairman Goerner agreed with Mr. Clark that even withdrawals of 4-5 mgd could reduce the flows down the A-B Canal, which would greatly affect the downstream lakes and the functioning of the NuRF. He said that he also agrees with Councilman Royal that the withdrawal of water from the farms at the NSRA should be a consideration, as opposed to taking water from the lake.

Chairman Goerner also reminded the Council that at this point, the LCWA is not considering the withdrawal of water from Lake Apopka and that they are just taking applications as a possible source of reuse water.

Mr. Caputo explained to the Council that the issue of water withdraw really begins with the Lake County Board of County Commissioners (BOCC) and the manner in which they approve land rezoning and development. He said that as they continue to approve new growth, new water supply sources have to be found. Mr. Caputo also reminded the Council that there is a Water Alliance where various local government entities meet to discuss these issues and that it is headed by Ray Sharpe of the City of Leesburg. He suggested that a representative of the Council may want to attend those meetings and get involved at the local level to help protect their resources.

Chairman Goerner said that in the past the Council has not become involved in water supply issues but now they should consider reviewing the issue of withdraw of surface water from Lake Apopka. He requested that Mr. Sharpe and the SJRWMD make presentations to the Council on the water supply and water withdraw issues. Mr. Caputo agreed and offered to arrange presentations at the July meeting. Mr. Perry also said that he is a member of the Water Alliance Board and he could report to the Council on their activities during his agency updates.

John Benton of the Florida Fish and Wildlife Conservation Commission (FWCC) provided an update to the Council on behalf of Bill Johnson saying they have completed their creel surveys on lakes Dora, Beauclair and Eustis, and they are collaborating with the UF on extending the counts on Lake Griffin to include a one year period. He also said they haven't completed analyzing the data collected from the current survey and will update the Council when they become available.

Mr. Benton went on to say that they conducted electro-fishing on all of the lakes in the Upper Ocklawaha River Basin (UORB) which included 20 sampling events in lakes Dora, Beauclair and Eustis and only two (2) sampling events in each of the other lakes. He said that these efforts will be sufficient to compare variances between the lakes and previous

counts. When it comes to the frequency of bass, he said Lake Apopka is the lowest followed by Lake Beauclair and that the number of fish correlates to the quality of water in the lakes.

Chairman Goerner asked if Mr. Benton believes the bycatches during shad netting has affected crappie populations in the lakes. Mr. Benton said they are in the process of collecting data on bycatches and that he hasn't formulated an opinion on the matter.

Mr. Benton also provided an update on the progress of renovations at the Richloam State Fish Hatchery saying that they are currently in the process of moving into the facility. However, he said they are past the breeding season and fish production won't begin until next year.

Councilman Farner asked if the issue of the fish feed which produce problems with fatty livers in the fish had been corrected. Mr. Benton said that work on the issue has been ongoing and he is not sure if the problem had been solved.

Dr. Dan Canfield of the UF and member of the Technical Advisory Group (TAG) to the Council provided an update on the Lake Griffin large mouth bass restocking efforts saying they have completed those efforts for this year and moved 5,033 bass greater than 8" into the lake. He then discussed the distribution of numbers and length of the fish while displaying a graph. A copy of the graph is provided as Attachment 1 of these minutes. Dr. Canfield said that they relocated over 6,000 pounds of bass into the lake including 21 that were over 10 pounds in weight. He also said they had tagged all of the fish they relocated. Dr. Canfield went on to explain that since January 30th they have received reports from 150 anglers catching the tagged bass including one report each from Jacksonville, Tampa and the Lake Panasoffkee Chain, which illustrates that anglers do move fish. Additionally, he equated the value of the relocated fish to a range of \$6,000-\$12,000 for the cost of fishing licenses to approximately \$2 million annual return from anglers using the lake, based on National averages. Dr. Canfield said that based on the FDEP regulatory guidelines, the bass would have a value of over \$167,000.

Chairman Goerner expressed his concern that the Legislative funding secured by the Council has not been transferred to the projects they have endorsed. He also asked for monthly updates on the disbursement of the funds.

Mr. Perry said that Dave Walker (SJRWMD) is working on contracts to transfer the \$300,000 in funds and he will ask Mr. Walker for an update. Additionally, he said that the \$1 million for the Lake Griffin access canal dredging has been transferred to the LCWA.

Dr. Canfield mentioned that the UF requires a new Purchase Order be sent from the LCWA before they can process the old Purchase order. Mr. Perry said that he would take care of that issue.

Councilman Farner said that he appreciates the value of the bass Dr. Canfield and his people have relocated because of the financial return to local businesses. Chairman Goerner added that the lakes are now known as one of the top bass fishing destinations in the world, where previously they were only known for dead alligators and algae problems.

Dr. Canfield continued his update saying he has been offered an additional source of fish in the 200-300 acres of new ponds that have been dug at the Orlando International Airport (OIA) and he has been stocking those ponds as a future source of fish. He also said that he is working with the City of Orlando and they have offered bodies of water in their jurisdiction as a possible source of fish. He explained that they are in the process of sampling those lakes to determine the viability of their use.

Dr. Canfield then said that he had Councilman Farner's friend at the Mission Inn in Howey in the Hills about possibly relocating fish from the ponds/lakes on their property. He said that his group would be sampling the water in the ponds to determine their viability as a source of fish.

Dr. Canfield also told the Council that in the future they are considering stocking Lake Dora with bass and may also move on to stock other lakes in the Chain. He said the issue with Lake Dora is that the SJRWMD is conducting studies on that lake and that he didn't want to interfere with their work. Dr. Canfield asked the Council for direction on restocking other lakes.

Chairman Goerner suggested that this issue needs more study and asked for guidance from the SJRMWD or the FWCC. Mr. Benton provided his thoughts on the matter saying that they are conducting shad studies on lakes Dora and Beauclair, and to stock those lakes would alter the data.

Chairman Goerner asked if the FWCC was going to continue shad harvests in those lakes. Mr. Benton said he believes the plan is to skip the gill netting in lakes Dora and Beauclair next year and reserve the right to conduct shad harvests the following year [2007].

The Council understood that it may be in the best interest of the shad studies to with hold restocking lakes Dora and Beauclair until the study is completed.

Dr. Canfield continued his update saying the UF has selected a new Director of The Water Institute, Wendy Graham and suggested that the Council may want to meet with her to better understand the program. He also said that Florida LakeWatch and the Florida Department of Health (FDOH) are still moving forward on the toxic algae study and he believes they will begin in June. Dr. Canfield explained that the FDOH has received funding from the Centers for Disease Control (CDC) to study the human health aspect of the issue.

Councilman Royal then provided his thoughts on the use of aquatic herbicides saying that repeated use to manage hydrilla in the lakes is making the plants more resistant to that class

of chemicals. He suggested that a decreased use of those chemicals may make them more effective in the future. Councilman Royal also believes that non-target plants are rate tolerant and that repeated herbicide usage may weaken them. He suggested that this may hamper revegetation efforts in the areas where the herbicides are used.

Dr. Canfield said that the single action herbicide Fluridone is not used on hydrilla in Lake Apopka and that contact herbicides are being used, which are a different class of chemicals. He went on to suggest that the Council continue to review all methods of lake restoration available to them and not get caught up on debate over herbicide usage.

Dr. Battoe then provided a brief update to the Council saying that he had sent out a written update and asked that the Council review the information and then ask any questions they may have. A copy of that update is provided in Attachment 2 of these minutes.

Chairman Goerner asked what the current phosphorus concentration is in Lake Griffin. Dr. Battoe said that as of April the concentration is 59 ppb in Lake Griffin and in the other lakes is 118 ppb in Lake Beauclair, 71 ppb in Lake Dora, 46 ppb in Lake Harris, 41 ppb in Lake Eustis, and 26 ppb in Lake Yale.

Chairman Goerner requested that the Council be updated on the water quality in the lakes on a regular basis as they had been in the past. He added that water quality data is important as hurricane season approaches, so the effects can be determined. Councilman Farner asked how often the lakes are sampled. Dr. Battoe said one to two times per month and that he would keep the Council updated on water quality.

V. Chairman Davis asked if the protocols have been written for the fluctuation schedule of the lakes. Dr. Battoe said that they have not but the SJRWMD needs to begin developing the protocols. He also explained that Dr. Gian Basili has moved to a new department within the SJRWMD and that Dave Walker will be taking over duties of Project Manager for Lake Apopka and the HCOL. Dr. Battoe suggested that the Council may want to have Mr. Walker provide an update.

7. COUNCIL MEMBER COMMENTS

Council Member Comments

Councilman Farner offered his appreciation to Chairman Goerner and the Florida Legislature for their efforts and support to the Council.

Chairman Goerner thanked Dr. Canfield for his efforts in restocking the lakes and how he has expanded the program for the future.

Councilman Royal requested a presentation on wetland fluctuation by the SJRWMD.

Dr. Canfield suggested that the Council may want to hear a presentation from other experts including Mike Coveney (SJRWMD) in the field of phosphorus removal and the costs of

various techniques. He felt that the estimates provided by Dr. Battoe last week may not be accurate. Chairman Goerner suggested the presentation may include a discussion on the removal of organic or dissolved phosphorus, as opposed to particulate phosphorus.

No other Council member comments were made.

Discussion of June 2, 2006 Meeting

Mr. Caputo provided a brief summary of the agenda items for the June meeting:

- Continuing Services contract for Recording Secretary
- Phosphorus removal presentation by Mike Coveney
- Presentation on the withdraw of surface water for reuse

8. PUBLIC COMMENTS

Other than the previous comments by Mr. Clark, no additional public comments were made.

9. ADJOURNMENT

The meeting was adjourned at 11:35 AM.

Respectfully submitted by:

Chairman Skip Goerner

Secretary Rick Powers, P.G.

Attachment 1

Lake Griffin Largemouth Bass Restocking

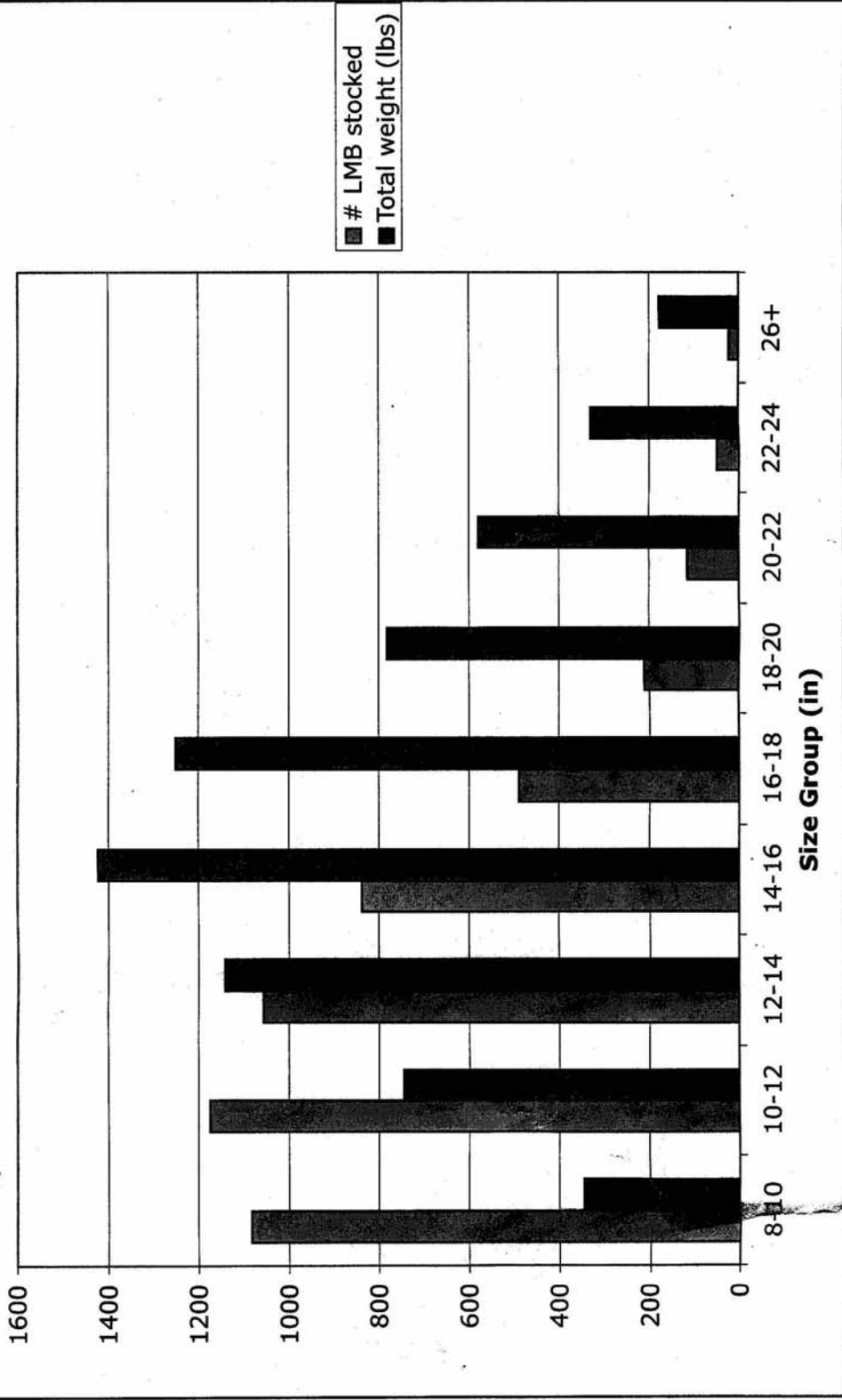
Graph Presented by

Dr. Daniel Canfield

University of Florida

May 5, 2006

Lake Griffin LMB Stocking 2006



Attachment 2

Upper Ocklawaha River Basin Update

Provided by

Dr. Larry Battoe

St. Johns River Water Management District

May 2006

UORB monthly project status report (includes shad harvesting)
May 2006

ORB Rough Fish Harvesting

The 2006 harvest in lakes Apopka (over 900,000 lbs), Griffin (over 300,000 lbs), Beauclair and Dora (300,000 lbs) was completed in April. Experimental gill net sampling indicates that harvestable stock of fish remains in lakes Apopka and Griffin. Research efforts remain on schedule and will be completed next fiscal year. Proposals to extend a portion of the research will be made this fall with submission of the annual report.

UORB Emeralda Marsh

Desired water levels are being maintained in Areas 3, 5, 6, and 7. Staff continues planning the Lowrie Brown restoration activity scheduled to begin next fiscal year. Infrastructure revision contracting remains on schedule.

UORB Harris Bayou

The FDOT installation of the District box culverts is on schedule. The District project design and construction planning remains on schedule. Governing Board approval of the contract is expected in late summer, work will begin at the start of next fiscal year.

UORB Sunnyhill Restoration

Work on the revised project plan has advanced and survey work and geotech analysis continues. Most of the construction work scheduled for this FY was completed during April. .