

FINAL

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

August 7, 2009

The regular meeting of the Harris Chain of Lakes Restoration Council (Council) was held at 9:00 AM on August 7, 2009 at the Lake County Board of County Commissioners' (BOCC) Chambers, 315 West Main Street, Tavares, Florida.

Members Present

Hugh (Dave) Davis II, Chairman
Skip Goerner, Vice Chairman
Rick Powers, P.G., Secretary
Robert Kaiser, P.E.
Don Nicholson
Richard Royal
Jon VanderLey

Members Absent

Keith Farner
Edward M. Schlein, M.D.

1. CALL TO ORDER

Chairman Dave Davis called the meeting to order at 9:00 AM.

2. INVOCATION AND PLEDGE OF ALLEGIANCE

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

3. ROLL CALL

Chairman Davis called roll. Councilmen Keith Farner and Ed Schlein were absent. Councilman

4. APPROVAL OF MINUTES

Chairman Davis called for a discussion of the draft June 5, 2009 meeting minutes. Councilman Richard Royal said that his position on the issues discussed on Page 3, paragraph 2 of the minutes was not clear. He suggested his statement should read: "...politically incorrect results, so their findings were not accepted. The resulting agreement between the St. Johns River Water Management District (SJRWMD) and the U.S. Fish and Wildlife Service (FWS) is what cost the taxpayers millions of dollars in restoration."

Patrick Hunter, Recording Secretary of the Council noted that minor grammatical edits were submitted by Barbara Bess, Ex-officio member of the Technical Advisory Group (TAG) to the Council.

It was decided that Mr. Hunter would review the meeting video and adjust the minutes with respect to Councilman Royal's comments accordingly. A vote on the June meeting minutes was postponed until the September meeting by unanimous decision.

5. PRESENTATIONS / ACTION ITEMS

Initiate the process to advertise for the Recording Secretary contract – Council Discussion

Chairman Davis called for a discussion of the Recording Secretary contract.

Councilman Kaiser expressed his opinion that he is pleased with the recording secretary services being provided and does not believe there needs to be any changes made.

Secretary Rick Powers said he reviewed the Statement of Work (SOW) for the contract provided by the SJRWMD and he is satisfied with the work described. A copy of the SJRWMD Statement of Work is provided in Attachment 1.

Councilman Royal asked if the current contract could be extended. Ann Benedetti, an Intergovernmental Coordinator with the SJRWMD, attending the meeting for Nancy Christman said she is not familiar with the contract but will take the Council's questions to the Procurement Department.

Secretary Powers suggested that if a clause for renewal is not in the current contract, than possibly the provision for one to three years renewal be included in the next contract. Councilman Kaiser agreed.

Vice (V.) Chairman Skip Goerner understands there have been some issues with the interpretation of the current contract and suggested that Chairman Davis and Mr. Hunter discuss those issues.

Chairman Davis asked if Ms. Benedetti knew when the Procurement would need to begin advertising for the new contract. Ms. Benedetti said that as outlined in the memo provided with the SOW (Attachment 1), the SJRWMD looks forward to input from the Council and will consider the Council's input and evaluate the SOW to address needs for contract services in the next cycle.

Chairman Davis said he would discuss the matter with Mr. Hunter, the current Recording Secretary, to address any issues which may need modification in future contracts. V. Chairman Goerner made a motion that Chairman Davis shall represent the Council in contract discussions with the SJRWMD. Secretary Powers seconded the motion. He then reiterated that the SOW appears fine to him and asked if there is other language in the contract that needs to be adjusted.

Mr. Hunter explained that there appears to be a misunderstanding by the parties involved; the Council believes the Recording Secretary functions at the will of the Council, where the District maintains the Secretary functions at the interpretation of the contract by the District. The issue

of whether the contractor should be paid for attending field tours when requested to do so by the Council was discussed. Secretary Powers noted that field tours were included in the SOW provided by the SJRWMD. Mr. Hunter said although field tours are included in the SOW, the SJRWMD refused payment on an invoice after he attended a PALCOM meeting and field tour earlier this year.

Council Kaiser noted the Council receives an annual budget of \$40,000 for the operation of the Council and to date, they have never utilized all those funds. He believes if the Council requests the Recording Secretary to attend a function, then the contractor should be paid for those services. V. Chairman Goerner agreed and reiterated that these issues should be discussed by the Chairman and Mr. Hunter; and that the Chairman should represent the Council in this matter. The motion to do so was approved by unanimous vote.

Initiate the process to renew the contract with the University of Florida for Website Services – Council Discussion

Chairman Davis called for a discussion of the website maintenance contract by the University of Florida (UF).

Secretary Powers said the website looks good but believes the contact information for all of the Council members should be included on the site. He also made a motion to renew the website maintenance contract with the UF. V. Chairman Goerner seconded the motion.

Dr. Dan Canfield of the University of Florida / Institute of Food and Agricultural Sciences (UF/IFAS) and Chairman of the TAG explained the Council's website is maintained by Dr. Marilyn Bachmann of the UF and any changes to the website can be provided to Dr. Bachmann by Mr. Hunter.

The motion to approve renewal of the UF contract for website maintenance passed by unanimous vote.

Discussion of the projects the Council will fund and/or endorse – Council Discussion

Chairman Davis called for a discussion of the projects the Council would support and include in their annual report.

V. Chairman Goerner discussed the Council's budget summary provided by Mike Perry, Executive Director of the Lake County Water Authority (LCWA). He said in Mr. Perry's absence, it is difficult to discuss all the aspects of the summary, however; it does reflect that the Council currently has a balance of approximately \$307,000 in "technically" unencumbered funds previously received from the Florida Legislature. V. Chairman Goerner recalled the Council had previously agreed to provide funds to assist the Florida Fish and Wildlife Conservation Commission (FWCC) with funding for radio transmitters used in their bass stocking program. A copy of the Council's budget summary is provided in Attachment 2.

Bill Johnson, Biological Administrator II with the FWCC explained that project is still moving forward and they are waiting until the Fall to purchase the transmitters, in order to have maximum battery-life.

V. Chairman Goerner said the amount encumbered by the Council for that project is \$32,000. He also said the Council has encumbered \$112,500 for UF to continue their bass stocking / relocation program.

Dr. Canfield explained the status of the bass stocking contract with the UF saying the current agreement has a provision that limits the UF overhead costs to 5%. He explained that operating and overhead expenses for the UF have sky-rocketed of the past few years and the contract currently renews through no-cost extensions, meaning the 5% does not increase. Dr. Canfield said in order to maintain that renewal status, he utilized funds from a general account in that the UF never received the \$112,500 appropriated by the Council. He also noted that if the current contract which expires September 30th is not renewed, the overhead costs for a new contract would be in the range of 25% to 44%.

There was extended discussion as to which of the programs endorsed by the Council were approved by a majority vote, how much of the funds were actually paid to those programs, and what the remaining balance of the Legislative funding is that's available. Through those discussions it was believed that, as outlined by the Funding Summary prepared by the LCWA there is \$307,000 remaining. The Council had previously approved \$32,000 in funding to the FWCC for the bass stocking telemetry study and \$112,500 in funding to the UF for the continuation of bass stocking for one more year. If those assumptions are correct, the remaining, unencumbered balance of Council funds would be \$162,500.

V. Chairman Goerner requested an update on the bass stocking telemetry study. Mr. Johnson said the FWCC had conducted a two trial studies in Lake Carlton which lasted about three weeks each and they were successful in tracking the bass. He explained the batteries only last about three weeks and it will take a couple of months to complete a report on the data they obtained from the trial studies.

Chairman Davis asked what the goal of the telemetry tracking project was. Mr. Johnson explained the goal is to better evaluate the success of the bass stocking [advanced fingerlings] program and determine if there is an early mortality rate for the fish. He said they have been evaluating different methods of raising the bass fry including feeding them with wild fish and not commercial pellets, and allowing them to grow for a period of time in outdoor ponds so they become more aware of predators in the environment. Mr. Johnson said the telemetry equipment will help them further refine the FWCC bass stocking efforts.

V. Chairman Goerner asked if it is the intent of the FWCC to request funding from the Council to assist in this study. Mr. Johnson said the preliminary study portion of telemetry equipment was a two year project and they may continue it again next year. He also noted that as the FWCC evaluates the data they collected from this year's efforts, the FWCC may decide they will not continue the study. Mr. Johnson said he would keep the Council informed on the status of the project.

Secretary Powers expressed his opinion that the Council should become involved in a better variety of projects, possibly including a stormwater retro-fit project. He said even if the Council is able to provide a small amount of funding to a local municipality for one of their stormwater projects, it would be good.

Dr. Canfield suggested the Council provide the UF with \$132,000 for another year of bass stocking / relocation and disregard the \$112,500 that was encumbered for this year's stocking activities. He reminded the Council of their Legislative charge to conduct a restoration project in conjunction with FWCC. Dr. Canfield suggested the council assist with funding a fish attractor program with FWCC using limerock structures. He estimated this may cost \$50,000 and it should not be very difficult to complete.

Dr. Canfield also suggested the Council consider funding a dredging demonstration project utilizing the Genesis dewatering system, which could be conducted in the Apopka-Beauclair Canal where there is plenty of accumulated muck beneath which is peat. He explained that perhaps the LCWA and/or the Florida Department of Environmental Protection (FDEP) may also provide funding for the demonstration project, if they were able work with other funding partners.

Secretary Powers said the Genesis system of dewatering muck is a proven technology and therefore would not be an actual "demonstration" project. He said the problem comes with the disposal or reuse of the dewatered sediments and from his 20 years of experience of reviewing this technology; there is no economically viable method to sell or reuse the material. Secretary Powers went on to say that recently Polk County and the Southwest Florida Water Management District (SWFWMD) granted a ten year easement to a consortium of professionals for 40 acres of land, which they can utilize to dredge 26 million cubic yards of muck from Lake Hancock. He explained that Phase 1 of the project is to find a market for the dredged sediments and that should take about 18 months. Secretary Powers said it was very doubtful that a viable market for the sediments could be found. He also emphasized that there are no funds being provided by Polk County, the SWFWMD, or any other governmental entity; it is being funded totally by the consortium.

Councilman Jon VanderLey suggested the Council consider the project to build artificial fish attractors. He believes a project such as this would be well received by the legislators in Tallahassee and by the general public, in addition to the fact it may help promote improved aquatic plant revegetation and fish habitat. V. Chairman Goerner, Councilman Royal and others agreed with a project of this nature. Dr. Canfield said the Council could partner with FWCC to place the attractors where they recommend.

There was also extended discussion on the possibility of the Council assisting with funding for a stormwater project. It was determined that stormwater projects are very expensive and often very difficult for which to gain support. The Council then discussed the possibility of funding the Water Goat or other systems to remove the trash from stormwater runoff that enters the lakes. The Council also discussed previous aquatic vegetative planting efforts and other lake restoration techniques to provide a diversity of projects for which the Council could offer funding support.

Councilman Kaiser requested that Dr. Canfield meet with the TAG to discuss various projects which the Council could support with the funds remaining their legislative appropriations.

In an effort to better understand the status of the funding discussed, V. Chairman Goerner said if the Council were to approve the \$132,500 requested by Dr. Canfield for continuation of the bass stocking program and the \$32,000 requested by the FWCC for the bass telemetry project; that would leave an unencumbered balance of \$142,5000. He suggested the TAG could meet and provide recommendations of projects including the artificial fish habitat, Water Goat, possibly signs at county parks notifying the public as to the actions of the Council, and other projects where the remaining funds could be utilized.

Councilman Kaiser made a motion that the Council approve an invoice from Florida LAKEWATCH in the amount of \$132,500 for the continuation of the UF bass stocking / relocation program and approve an invoice in the amount of \$32,000 from the FWCC for support of their bass telemetry project. Councilman Royal seconded the motion, which was ultimately approved by a unanimous vote.

V. Chairman Goerner also requested the TAG meet to discuss projects that would support restoration of the Harris Chain of Lakes and the research demonstration project outlined in the Council's legislative charge. He said the projects would not need to be limited to the approximate \$142,500 balance, adding that additional funds could be requested from the Legislature in the future. V. Chairman Goerner said the projects could include dredging, stormwater retro-fit projects, artificial fish habitat, reconnecting marshes, and fish stocking which are all important to restoration. He also noted that because of the difficult economic conditions, perhaps the Legislatively mandated research demonstration project may be of a scope that will take a couple years to develop and to obtain funding to complete.

Dr. Canfield mentioned to the Council that he is currently involved in debate with individuals in Washington, D.C. regarding the Total Maximum Daily Load (TMDL) program and the proposed establishment of numerical nutrient criteria. He explained this TMDL issue has gone beyond science and the abilities of local municipalities to manage, and it is consuming a lot of his time; but he will still work with the Council for the review of projects.

Councilman Kaiser's motion previously stated on the expenditure of Council funds was approved by unanimous vote.

Discuss finalizing any other issues to be included in the Annual Report – Council Discussion

Chairman Davis called for a discussion of any other issues to be included in the annual report.

V. Chairman Goerner noted there had been limited involvement [between the Council and other agencies], that last year's report should serve as a basis for the next annual report. He believes that moving forward with the demonstration project in cooperation with the FWCC, would become the center-point of the report. V. Chairman Goerner also believes the other restoration

methods the Council has agreed on over the past eight years like; dredging, reconnection of marshes, and habitat enhancement, etc. should also be discussed in the report.

Councilman Royal provided a hand-out to the other members, saying that spending hundreds of millions of dollars has produced little or no results and perhaps doing less may provide better results. He suggested it is not an issue to have funding for restoration projects, but the issue is how those funds are allocated. As discussed in his hand-out; allowing hydrilla to grow in Lake Apopka would not only provide water quality and water clarity benefits, it would also provide improved fisheries habitat. A copy of the hand-out is provided in Appendix 3.

V. Chairman Goerner agreed that the restoration of Lake Apopka is very important and suggested the Council would need the cooperation of the SJRWMD in order to propose a project of this nature. Councilman Royal said it is important to work with the District on such projects, but he believes his proposed project could produce results in just a couple of years where the other projects have not produced significant results over the past 20 years. He further suggested the money currently being spent for the big projects on Lake Apopka could be spent improving water quality on the downstream lakes.

Councilman Don Nicholson suggested that due to the current economic climate, the Council's annual report should clearly reflect where the Legislative funds they've received have been spent and outline the funding needed for additional projects. He believes it is important to list the accomplishments of the Council. Secretary Powers agreed saying not only should the report reflect what the Council has done, but also what the results of those efforts have been.

V. Chairman Goerner agreed with councilmen Nicholson and Powers, and said there could be a summary of the accomplishments of the Council in the annual report. He also suggested the Council could put together a plan to assist in the restoration of Lake Apopka, possibly through reconnection of the marshes, and include that in the annual report. V. Chairman Goerner also believes the Council should recommend projects for the other lakes in the Harris Chain on a priority basis, which are based on the Council's eight years experience in reviewing various projects.

Dr. Canfield suggested there may be funding available for Council projects in the next fiscal year and the best way to accomplish that is to have their funding request incorporated into an agency budget. He explained if the Council was to work with FWCC on proposing a variety projects, the funding could be included in their budget requests and have a better chance of being approved by the Legislature. Dr. Canfield also reminded the Council that although budgets are "tight" the Legislators approved a \$62 billion State budget this year which was down from \$67 billion last year, therefore funds are available.

Chairman Davis said it is important that the Council carefully review the drafts of the annual report to ensure the interpretation of its desires for projects is clearly reflected. V. Chairman Goerner said the Council will be able to make final recommendations on the projects to endorse after the TAG meets and provides their input. Chairman Davis asked that all the Council members be involved in reviewing the annual report and provide any comments or suggestions.

Council and Public Questions & Answers

No public or Council member questions were asked at this time.

Agency Updates

Dr. Canfield provided the following updates to the Council:

- Mechanical Harvester
 - o There has been tremendous demand for its use.
 - o Fees are charged to those who request the harvester based on the number of operating hours it is used. Enough money has been earned by using the LAKEWATCH volunteers to operate it, to recoup the \$25,000 paid for the harvester and now money is being put into an account for future repairs and to possibly purchase another harvester.

Secretary Powers asked what the fees are charged for use of the harvester. Dr. Canfield explained if a homeowners association requests the harvester and they have a qualified operator, the fee is \$50/hour, if LAKEWATCH volunteers are used as operators the fee is \$75, and if the harvester needs to be moved large distances the fee is \$150/hour. He then continued with his updates:

- Bass Stocking
 - o Economically beneficial and has provided up to \$2.7 million annually to the local economy.
 - o There has been widespread movement of the stocked bass with many moving into the recently dredged canals. Some of the fish have moved up to 9.9 miles from the point of stocking and other have relocated into other lakes and marshes.
 - o The stocked bass have normal mortality rates as compared to the native fish.
 - o More aquatic habitat is needed to support / improve the fisheries and limerock fish attractors would prove beneficial, in the absence of sufficient aquatic plant habitat.
 - o Evidence suggests that the stocked fish are beneficial to the restoration efforts of the Harris Chain of Lakes (HCOL) because the “Young of Year” class has improved which may be a result of spawning by the stocked bass.

Secretary asked if Dr. Canfield could include a summary of the economic benefit of the stocking program, which could be used in the annual report. Dr. Canfield said there have been two theses written, one discussing the economic benefit of the stocking program and the other discussing the biological implications of the stocking. He offered to send those theses to the Council for possible inclusion in the annual report.

Dr. Canfield also discussed his 30 year involvement with nutrient management in Florida lakes. He reminded the Council of an article he provided a couple months ago which supports the idea that controlling water quality through the management of phosphorus only strategy, will fail. Two of the lakes discussed in the article included Lake Apopka and Lake Okeechobee. He displayed graphs of water quality trends in those lakes which indicate that over the past 30 years

there have been relatively no substantial changes in the parameters of Total Phosphorus, Total Nitrogen, chlorophyll, and Secchi depth. The graphs are presented in Appendix 4.

Dr. Canfield explained that the qualitative water quality standard in Florida is the same as in the federal Clean Water Act (CWA) which states; ...for the propagation of fish, shellfish, and wildlife, and recreation use in and on the water. He noted the CWA uses the term “fish” 62 times and the term “recreation” 68 times, and added that no where do the terms “phosphorus” or “water quality” appear. Dr. Canfield said the focus of the CWA was on fish and recreation, but currently the majority of money is being spent by water quality agencies like the U.S. Environmental Protection Agency (EPA), FDEP and others.

Mr. Johnson (FWCC) provided the following updates to the Council:

- Lake Panasoffkee
 - o The dredging project has been very successful and the lake looks like it did in the 1950s
 - o The dredging project cost \$26 million
- Lake Trafford Dredging Project Presentation
 - o Barron Moody (FWCC), the current project manager is available to give a presentation at the September Council meeting
- Harris Bayou
 - o The SJRWMD has installed a temporary structure to prevent fish from leaving the bayou and entering Lake Griffin
 - o A study of pesticide levels in the fish is being conducted
- Toxic algae fish sampling
 - o The FWCC is conducting fish sampling for analysis of the toxins cylindrospermopsis and microcystin

V. Chairman Goerner asked about the status of the Sunshine/Striped bass the FWCC stocked in Lake Apopka. Mr. Johnson said they will begin receiving information on those fish later this year. He added the fry can grow to 12-inches or more in their first year.

Ms. Kalina Warren, the new manager of the Watershed Monitoring and Management program representing the FDEP in the absence of TAG member Christianne Ferraro provided the following updates to the Council:

- Total Maximum Daily Loads (TMDLs)
 - o A meeting was recently held in Tampa to discuss draft nutrient criteria development
 - o The draft rule changes for Chapter 62-302 are due in October
 - o The current rule does not include concentration criteria for phosphorus and nitrogen for Class III waters

- The FDEP is also in the process of refining the classification of surface waters to separate waters like a pristine river versus a ditch running through an urban area, which are both currently Class III waters.

6. PUBLIC COMMENTS

No public comments were made.

7. COUNCIL MEMBER COMMENTS

Chairman Davis made a call for Council member comments.

V. Chairman Goerner thanked the Council for the prayers and support they have offered for medical recovery of his grand-daughter.

After a brief discussion, the September 4, 2009 Council meeting was rescheduled to September 11th, so as not to interfere with the Labor Day weekend. V. Chairman Goerner noted that Lake County needs to be contacted to schedule the BOCC chambers for the new meeting date.

Discussion of September 11, 2009 Meeting

- Review and discussion of the first draft of the annual report
- Discussion of TAG recommendations of Council project funding / endorsements
- Presentation on the Lake Trafford Dredging Project by Barron Moody (FWCC)

8. ADJOURNMENT

The meeting was adjourned at 11:25 AM.

Respectfully submitted by:

Chairman Dave Davis

Secretary Rick Powers, P.G.

Attachment 1

Statement of Work

Recording Secretary Contract SK10114

Provided By:

SJRWMD

August 2009



St. Johns River Water Management District

Kirby B. Green III, Executive Director • David W. Fisk, Assistant Executive Director
David Dewey, Altamonte Springs Service Center Director

975 Keller Road • Altamonte Springs, FL 32714-1618 • (407) 659-4800
On the Internet at www.sjrwmd.com.

TO: Harris Chain of Lakes Restoration Council

FR: Nancy Christman, SJRWMD

RE: Statement of Work for Hunter (HEC, Inc.)

Enclosed are the meeting materials for the August 7, 2009 meeting. Along with the other meeting materials, enclosed is the current statement of work (SOW) for the Hunter (HEC, Inc.) contract, which expires November 30, 2009. This is provided for Agenda Item #5. The District looks forward to input from the Council on the SOW. We will consider the Council's input and evaluate the SOW to address needs as we move forward to procure contract services in the fall for the next cycle.

GOVERNING BOARD

Susan N. Hughes, CHAIRWOMAN
PONTE VEDRA

W. Leonard Wood, VICE CHAIRMAN
FERNANDINA BEACH

Hersey "Herky" Huffman, SECRETARY
ENTERPRISE

Hans G. Tanzler III, TREASURER
JACKSONVILLE

Douglas C. Bournique
VERO BEACH

Michael Ertel
OVIEDO

Maryam H. Ghyabi
ORMOND BEACH

Richard G. Hamann
GAINESVILLE

Arlen N. Jumper
FORT McCOY

**EXHIBIT B—STATEMENT OF WORK
THE PREPARATION OF THE MINUTES, RECORDS AND REPORTS
OF THE HARRIS CHAIN OF LAKES RESTORATION COUNCIL**

I. Introduction

The Harris Chain of Lakes Restoration Council (Council) was created by Chapter 2001-246, *Laws of Florida*, and is located in Lake County, which is within the St. Johns River Water Management District (District). The Council receives financial assistance from the District and other agencies. The District receives and expends funds on behalf of the Council.

II. Objectives

The objective of this project is to hire a Contractor to attend meetings of the Council, provide meeting minutes or meeting summaries, and prepare the Council's annual report for presentation to the Florida Legislature.

III. Scope

The Contractor shall provide an environmental scientist to attend approximately fourteen (14) meetings of the Council (twelve [12] regular monthly meetings and two [2] special meetings), shall provide meeting minutes for regularly scheduled meetings, shall provide meeting summaries for special meetings, and shall prepare the annual legislative report due in November. Regularly scheduled monthly meetings are generally held on the first Friday of each month at the Lake County Court House, 315 North Main Street, Tavares, Florida. Holidays and quorum issues may cause a change in the date of meetings. Special meetings generally include tours within the watershed boundaries of the Harris Chain of Lakes. Contractor's bid shall include travel expenses in its bid.

Optional Bid Item — Additional special meetings, workshops and tour summaries may be required beyond the amount specified in the base bid. The optional bid item unit price shall include travel expenses based on meetings, workshops, and tour summaries occurring within a 100-mile radius of the Council's normal meeting location as specified above.

IV. Task Identification

Each year, the Contractor shall

- Attend approximately fourteen (14) meetings of the Council (refer to time frames and deliverable section)
- Record each regularly scheduled meeting on audio tape
- Submit to the District's project manager within fifteen (15) business days of the meeting (except in November) draft minutes of regularly scheduled and special Council meetings that are based on audiotapes, notes, materials, and video tapes and use the existing format for the Council's review and comment
- Submit to the District's project manager Council draft meeting summaries for special meetings within fifteen (15) business days of the meeting (except in November)
- Incorporate comments from the Council, if necessary, into the minutes or summaries

- Resubmit the final minutes and final summaries to the District's project manager within five (5) business days of receipt of comments, which generally is at the next month's regularly scheduled meeting
- Submit to the District one (1) copy of the audio tapes, notes, minutes, and summaries for inclusion in District files
- Prepare draft and final copies of the annual report to the Florida Legislature, submitting to the District's project manager twenty-five (25) color hard copies of the final report without appendices and twenty-five (25) CDs of the entire report with appendices

The District shall

- Forward drafts and final minutes and summaries to the Council for their review and comment at their regularly scheduled monthly meetings
- Video tape meetings
- Provide one (1) copy of each video tape of Council regularly scheduled meetings to the Contractor
- Forward draft and final copies of the annual report to the Council for distribution by the Council to the Legislature, the District Governing Board, and other interested parties

V. Time Frames and Deliverables

This contract shall have three (3) terms from December 1 through November 30. The first term will start December 1, 2006, and the last term will end November 30, 2009.

The Contractor shall submit items described in Section IV above to the District in electronic files. The electronic files shall be provided in a format consistent with standard software used by the District—Microsoft® Office Suite 2000 (WORD, EXCEL, ACCESS, and POWERPOINT).

Deliverables shall be clear, concise, thorough, and grammatically correct. The deliverables and all associated materials shall become property of the District.

Attachment 2

Legislative Funding Budget Summary – HCOLRC

Prepared by:

Mike Perry – LCWA

August 2009

Harris Chain Restoration Council

	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10
2005 Appropriation					
Revegetation With Native Vegetation	37,500	37,500	37,500	37,500	
Stocking of Largemouth Bass	187,500	187,500			
Control of Exotic and Invasive Vegetation	56,250	56,250	31,250	31,250	
Planting of Cypress Trees	18,750	18,750	18,750	18,750	18,750
2006 Appropriation					
2006 Projects TBD		369,500			
Revegetation with native vegetation			147,800	34,100	15,625
Stocking of largemouth bass			147,800	112,500	225,000
Control of exotic and invasive vegetation			73,900	73,900	15,625
FFWCC Bass Tracking Telemetry Equipment					32,000
	300,000	669,500	457,000	308,000	307,000

Harris Council Funding

FY	Paid/Encumbered	Paid To	Description	Amount Expended	Amount Rec'd from SJRWMD	Balance of Unencumbered Funds
05/06			Revenue Rec'd		300,000.00	300,000.00
05/06	10/6/2006	University of Florida	Harvestor	25,000.00		275,000.00
05/06	10/20/2006	University of Florida	Griffin Bass Stocking	40,465.00		234,535.00
06/07					369,500.00	604,035.00
06/07	6/15/2007	University of Florida	Griffin Bass Stocking	93,750.00		510,285.00
06/07	9/7/2007	University of Florida	Griffin Bass Stocking	53,285.00		457,000.00
07/08	4/18/2008	University of Florida	Griffin Bass Stocking	99,750.00		357,250.00
07/08	as of 8/4/08-not spent, but encumbered	University of Florida	Griffin Bass Stocking	50,250.00		307,000.00
insert above this row				362,500.00	669,500.00	307,000.00
				337,500.00		

	Revenue Budgeted	Revenue Rec'd
FY 05-06	300,000	300,000
FY 06-07	369,500	369,500
insert above this row		
	669,500	669,500

deposited 3/12/2007

Attachment 3

**Alternatives to Current Restoration Projects
Handout**

Richard Royal – HCOLRC

August 2009

Alternatives to Current Restoration Projects #1

August 6, 2009

Restoration projects at Lake Apopka despite initial predictions and hundreds of millions of dollars over the last 20 + years have resulted in minimal if any improvements in water quality or sport fishing opportunities. The prospect of success in our lifetime under the current plan even by agency forecasts is not much better.

In addition state and federal budgets are in no condition to fund any additional projects, in fact governmental agencies should be looking for ways to reduce their spending.

Consider the objectives that need to be met for Lake Apopka to again be an asset to the citizens whose taxes fund restoration.

1. Stabilization or removal of suspended solids that hinder water clarity.
2. Removal of nutrients from the water column
3. Creation of fish habitat and populations of sport fish

Is the answer millions more of your tax dollars for at best marginal results or can more be accomplished by doing less? The successful management strategy at Orange Lake provides a relevant local example that says less can yield more.

Granted, allowing hydrilla to grow in every lake might not be a good policy, but in the case of Lake Apopka, it is a tool that should be used. Think of it as natural biological restoration. Hydrilla without question provides habitat desirable for sport fishing. If allowed to grow it will also improve water clarity and thereby increase the chances for other vegetation to establish. For the situation at Lake Apopka even a monoculture would be a positive step, but the example at Orange Lake indicates the strong potential for a mosaic of aquatic plants being established.

The HCOLRC needs to support suspension of current projects at Lake Apopka in favor of the Orange Lake Model. If hydrilla flourishes and takes over a larger area of the lake than anticipated the goal of cleaner water and improved fisheries will still be met at a fraction of current expenditures. If it does not grow and improve water quality or provide adequate fish habitat what is lost? A year or two delay in the 20-40-100 year predictions for restoration under the current plans?

The options are continuing to questionably spend millions of tax dollars or following a successful example and freeing up funds for other uses.

Attachment 4

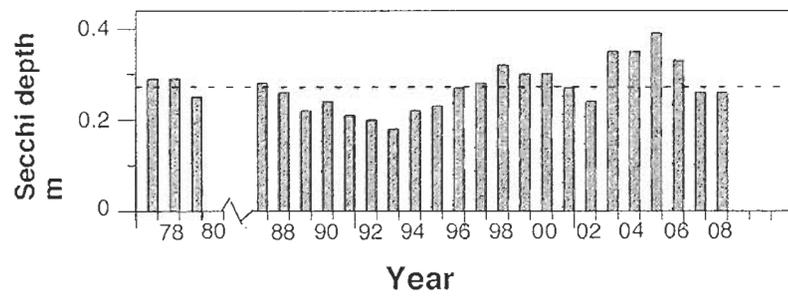
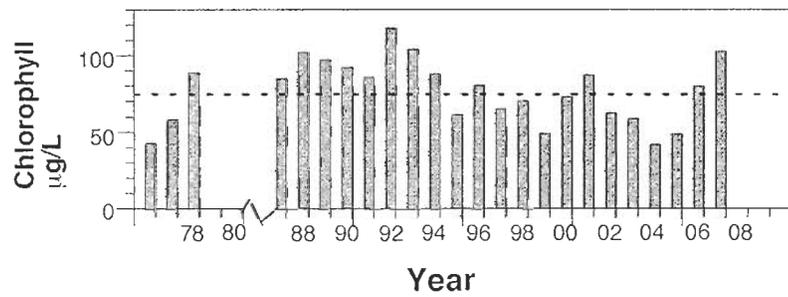
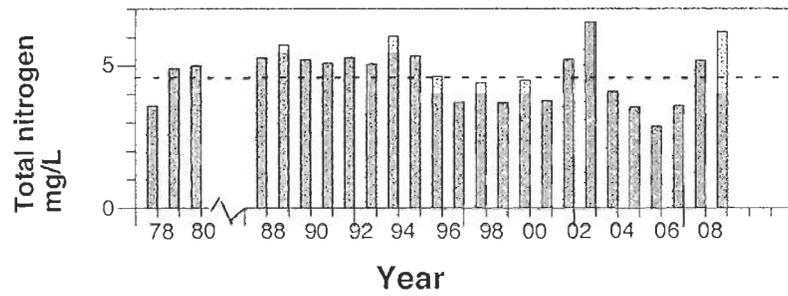
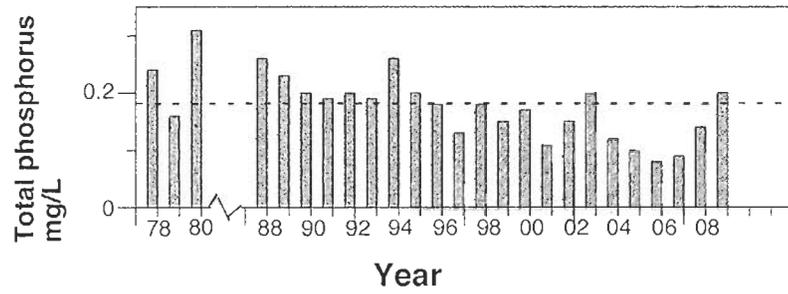
Lake Apopka and Lake Okeechobee

Water Quality Graphs

Dr. Dan Canfield – UF/IFAS

August 2009

Lake Apopka annual averages



Lake Okeechobee annual averages

