



# St. Johns River Water Management District

Ann B. Shortelle, Ph.D., Executive Director

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On the internet at [www.sjrwmd.com](http://www.sjrwmd.com).

August 23, 2017

The Honorable Dennis K. Baxley  
206 South Highway 27/411  
Lady Lake, FL 32159

Re: Harris Chain of Lakes Restoration Council Letter

Dear Senator Baxley,

In a letter dated August 11, 2017, the Harris Chain of Lakes Restoration Council (Council) requested you initiate the process to begin a review of restoration efforts on the Harris Chain of Lakes by the St. Johns River Water Management District (District), the Florida Fish and Wildlife Conservation Commission (FWC) and the Lake County Water Authority (LCWA) for Lake Apopka by the Florida Legislature's Office of Program Policy Analysis & Government Accountability (OPPAGA). Considering the substantial and continuing water quality and habitat improvements in the lakes the District does not think this course of action is an efficient use of valuable resources. Restoration of the Chain of Lakes continues to be a collaborative effort by the District, FDEP, FWC and the LCWA. The restoration goals have been clearly identified, as exemplified in the 2003 SWIM Plan for Lake Apopka.

"The goals of the plan are to (1) restore the water in Lake Apopka to meet Class III water quality standards, (2) restore the functional capabilities of the lake's natural systems, (3) re-establish previous recreational and aesthetic values, and (4) implement a comprehensive basin management plan."

The agencies commitment to meeting these goals is identified by the continued dedication of significant resources and the substantial progress made toward meeting the above goals. Water quality improvements essential to the overall ecological restoration have been considerable. Phosphorus load reduction goals for Lake Griffin have been exceeded for nine of the last ten years and seven of last ten years for Lake Apopka. Thus, in-lake phosphorus concentrations have declined sufficiently for submerged aquatic vegetation to reappear throughout both lakes. In Lake Griffin, the recovery has been so dramatic that the results were recognized by North American Lake Management Society with its 2014 Technical Merit Award.

The District continues to be responsive to the Council. District staff attended 100% of the Council's monthly meetings and has spent many hours working on information and data requests. Within the past 12 months, our staff members have responded professionally to 64 queries by members of the council. In addition, the District pays over \$19,000 annually for a consultant to provide administrative and logistical support for the Council as well as providing

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#### GOVERNING BOARD

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all printing services. This support is largely responsible for the Council's ability to produce its annual report.

The Council sent a letter dated August 29, 2016, to the District, LCWA, FDEP, Florida Department of Health and FWC requesting answers to questions on twelve issues and budget and spending information. The District provided detailed answers and many supporting documents in response to this request. The attached enclosure, "SJRWMD response to Harris Chain of Lakes Council, dated August 29, 2016" provides a table that summarizes the Council's 2016 issues and District response. In addition, Dr. Erich Marzolf, director of Water and Land Resources for the District, gave a detailed presentation (2+ hour) on the issues at the Council's February 10, 2017, meeting. The District and Council share similar goals for the lakes; however, some of the Council's requested actions are not currently possible and others are not considered by the District to be in the best interest of the lakes or other resources. A primary example of differing opinions relates to whether the former farm area north of Lake Apopka should be directly reconnected to the lake. The Legislature directed the District to purchase these farms in 1996 to aid in the restoration of Lake Apopka by reducing the excessive phosphorus loading coming from the farm operations, which has been accomplished by keeping the Lake Apopka North Shore separate and managing water to reduce discharge to the lake. Also, the District is not able to reconnect the North Shore at this time, due to pesticide exposure concerns. The District's long-term plan for the Lake Apopka North Shore supports each of its four core missions: water supply, water quality, flood protection and natural systems.

The District's project development, budgeting and solicitation processes are all guided by the Governing Board and open to public input. All governing board members are appointed by the governor and confirmed by the Florida Senate. The District's efforts conform to Florida public records law, and all information (contracts, work orders and agreements) is open to the public.

Working in collaboration with our partners, the water quality and ecological conditions within the chain of lakes has improved substantially. The 2016 legislative support is accelerating the District's ability to restore Lake Apopka, and providing increased benefits for the downstream lakes as well. In July, 2017, our Governing Board voted for the approval of our fiscal year 2017-2018 Tentative Budget, which includes \$9.4 million on Lake Apopka projects, alone. It is my opinion that the best use of our collective resources is to continue to accelerate restoration efforts as envisioned by the 2016 Legislature and not slow down to respond to an OPPAGA review.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ann B. Shortelle, Ph.D.", written in a cursive style.

Ann B. Shortelle, Ph.D.  
Executive Director

Cc:

Noah Valenstein, Secretary, Department of Environmental Protection  
Kevin Coyne, Department of Environmental Protection  
Nick Wiley, Executive Director, Florida Fish and Wildlife Conservation Commission  
Dennis Renfro, Florida Fish and Wildlife Conservation Commission  
Mike Perry, Executive Director, Lake County Water Authority  
Mark V. Hoyer, Director, Florida LAKEWATCH, University of Florida  
Bob Johnson, Chairman, Harris Chain of Lakes Restoration Council  
Skip Goerner, Board Member, Harris Chain of Lakes Restoration Council  
Don Nicholson, Board Member, Harris Chain of Lakes Restoration Council  
Stephanie J. Bishop, Board Member, Harris Chain of Lakes Restoration Council  
John Stump, Board Member, Harris Chain of Lakes Restoration Council  
Keith Truenow, Board Member, Harris Chain of Lakes Restoration Council

Enclosures:

1. SJRWMD response to Harris Chain of Lakes Restoration Council, dated August 29, 2016
2. Funded Lake Apopka and Upper Ocklawaha River Basin Projects October 2017 - September 2018
3. Harris Chain of Lakes Restoration Council action items list: July 8, 2016 – June 9, 2017
4. Harris Chain of Lakes Restoration Council SJRWMD Cost Share Funding Partnerships with Local Governments-Projects that benefit the Harris Chain of Lakes. Funding awarded 2015-2017

Enclosure 1:

SJRWMD response to Harris Chain of Lakes dated August 29, 2016

| Issue                                      | Council Recommendation  | District Response   |
|--|---|---|
| 1. Apopka North Shore                      | Reconnect North Shore to Lake   | Agree North Shore restoration is important; however, reconnection is premature due to residual pesticides. Long-term North Shore management is essential to Lake Apopka's restoration. There are more benefits to the lake possible via separate management.  |
| 2. Dredging                                | Dredging could be used to provide spoil for North Shore.  | Agree, there are multiple sediment removal projects, one ongoing, another to begin this fall and another in design. All will use spoil to enhance North Shore area.   |
| 3. Aquatic Vegetation                      | Claim aquatic vegetation and fish habitat has not improved.   | Disagree, both vegetation and fisheries have improved.  |
| 4. Water Quality                           | Water quality improvements have stagnated due to lack of rainfall and flushing.   | Agree, there is water quality work left to accomplish and prolonged dry periods reduce water quality improvements. The District is developing minimum flows and levels for the chain of lakes.  |
| 5. Shad Harvest                            | Council does not support shad harvest.  | The District has demonstrated that the shad harvest is the most cost-efficient means to remove phosphorus from lake water and thinks its continued use is efficient and effective at Lake Apopka.   |
| 6. Attract Anglers                         | Requests efforts to attract more anglers.   | The District defers to FWC on sport fish management.  |
| 7. Hydrilla                                | Requests information on hydrilla and potential bass habitat benefits.   | The District defers to FWC on invasive exotic plant management and supports their management approach on the chain of lakes.  |
| 8. Phosphorus                              | Recommends deemphasizing phosphorus management.   | The District disagrees and thinks there is a need to reduce phosphorus sufficiently to clear the water and allow submersed vegetation to return to the lakes. Native submersed vegetation is habitat critical to sustainable sport fish populations.  |
| 9. Toxicology                              | The Council is not certain pesticides were responsible for bird deaths at Apopka.   | The District and U.S. Fish and Wildlife Service have concluded that pesticides were responsible for bird deaths and are implementing a plan to safely restore the North Shore.  |
| 10. Aquatic Vegetation in downstream lakes | Council requests agencies to determine present existing vegetation in chain and make recommendations as to how much vegetation is best for the health of the lakes. | The District recognizes continued reductions in phosphorus loading to lakes are essential for healthy aquatic vegetation. Our programs for nutrient management in wetland restoration areas at Lake Apopka and Lake Griffin work toward that goal. The District plans to continue collaborating with FWC and Lake County Mosquito & Aquatic Plant Management Division to manage hydrilla at the lowest feasible level in lakes in the chain of lakes. |

|                                   |  |   |
|-----------------------------------|--|---|
| 11. Fisheries in downstream lakes | Council requests a determination as to when fish stocking is advantageous and an estimate of the economic costs for doing nothing. | The District defers to FWC to take the lead on this issue and we are eager to collaborate where this is feasible.           |
| 12. Dredging in downstream lakes  | Council requests agency plans, if any, on downstream dredging.   | The District currently has no plans for dredging projects beyond the strategic dredging underway or planned at Lake Apopka. |

Enclosure 2

Funded Lake Apopka and Upper Ocklawaha River Basin Projects October 2017 - September 2018

|                    |                     |   |                       | <b>Fiscal Year</b> | <b>Total</b>  |
|--------------------|---------------------|---|-----------------------|--------------------|---------------|
| <b>Fiscal Year</b> | <b>Project Cost</b> | <b>Project</b>  | <b>Funding Source</b> |                    |               |
| FY17               | \$ 21,000           | Lake Apopka NSRA bird monitoring  | SJRWMD                | FY 17              | \$ 13,174,662 |
| FY17               | \$ 52,000           | UORB Vegetation Mapping   | SJRWMD                | FY 18              | \$ 10,817,347 |
| FY17               | \$ 14,100           | UORB Hydrilla Surveillance  | SJRWMD                |                    |               |
| FY17               | \$ 19,200           | UORB SAV Surveillance   | SJRWMD                |                    |               |
| FY17               | \$ 675,000          | LAUORB- Gizzard Shad Removal  | SJRWMD                |                    |               |
| FY17               | \$ 10,000           | Aerial Reconnaissance-Apopka/UORB   | SJRWMD                |                    |               |
| FY17               | \$ 12,320           | Phytoplankton and Zooplankton Analysis  | SJRWMD                |                    |               |
| FY17               | \$ 40,000           | Fish Attractors   | Legislative/FWC       |                    |               |
| FY17               | \$ 473,000          | Emeralda Conservation Area 3- Reconnection Project                                | AHRES/FWC             |                    |               |
| FY17               | \$ 229,000          | Emeralda Conservation Area 3- Reconnection Project                                | SJRWMD                |                    |               |
| FY17               | \$ 200,000          | Fish Stocking   | Legislative/FWC       |                    |               |
| FY17               | \$ 70,000           | Long-Term Monitoring  | Legislative/FWC       |                    |               |
| FY17               | \$ 860,812          | Invasive Plant Treatment  | Legislative/FWC       |                    |               |
| FY17               | \$ 3,144,329        | Lake Apopka Sump Dredging   | Legislative/FWC       |                    |               |
| FY17               | \$ 930,547          | Lake Apopka Unconsolidated Floc Removal   | Legislative/FWC       |                    |               |
| FY17               | \$ 516,939          | Lake Apopka Water Quality Treatment Techniques - Garney (Pilot Project)           | Legislative/FDEP      |                    |               |
| FY17               | \$ 55,892           | Lake Apopka Water Quality Treatment Techniques - 3rd Party verification of Garney | Legislative/FDEP      |                    |               |
| FY17               | \$ 433,190          | Bubble Curtain to Enhance Aquatic Vegetation in Lake Apopka (Pilot Project)       | Legislative/FDEP      |                    |               |
| FY17               | \$ 360,000          | Controlled Cavitation Enhanced Sediment Treatment System (Pilot Project)          | Legislative/FDEP      |                    |               |
| FY17               | \$ 460,000          | Lake Apopka Newton Park Dredging Project  | Legislative/FDEP      |                    |               |
| FY17               | \$ 115,000          | Lake Apopka Marsh Flow Way Improvements   | Legislative/FDEP      |                    |               |
| FY17               | \$ 200,000          | Lake Apopka North Shore Levee Improvements  | Legislative/FDEP      |                    |               |
| FY17               | \$ 100,000          | Inlake and North Shore Improvements to Recover SAV                                | Legislative/FDEP      |                    |               |
| FY17               | \$ 500,000          | Lake Apopka Targeted Lake Restoration Dredging                                    | Legislative/FDEP      |                    |               |
| FY17               | \$ 74,000           | LANS Fish Contaminant Analysis  | Legislative/FDEP      |                    |               |
| FY17               | \$ 68,790           | Controlled Cavitation Enhanced Sediment Treatment System                          | Legislative/FDEP      |                    |               |
| FY17               | \$ 12,000           | McDonald Canal Improvements & Boat Ramp   | SJRWMD                |                    |               |
| FY17               | \$ 118,455          | Duda Lake Water Alum Treatment System   | SJRWMD                |                    |               |
| FY17               | \$ 300,000          | Alum Treatment - Lake Apopka, Emeralda and Sunnyhill                              | SJRWMD                |                    |               |
| FY17               | \$ 93,575           | Fudge Road Levee Improvement  | Legislative/FDEP      |                    |               |
| FY17               | \$ 120,000          | EMCA Area 3 Boat Ramp Pad and Parking & Wildlife Drive Parking                    | AHRES/FWC             |                    |               |
| FY17               | \$ 15,000           | EMCA Area 3 Telemetry Installation  | SJRWMD                |                    |               |
| FY17               | \$ 10,000           | Duda Mowing for Habitat Conversion  | SJRWMD                |                    |               |

|      |              |  |                          |
|------|--------------|--|--------------------------|
| FY17 | \$ 71,500    | Duda East Pond Weir Replacement                                      | SJRWMD                   |
| FY17 | \$ 68,250    | Removal of the ABC Weir  | SJRWMD                   |
| FY17 | \$ 1,936,863 | Moss Bluff Spillway Rehabilitation                                   | SJRWMD                   |
| FY17 | \$ 462,400   | Site Preparation for Vegetation Restoration (EMCA, SMCA, OPCA, LANS) | Amendment One            |
| FY17 | \$ 331,500   | Native Vegetation Planting   | Amendment One            |
| FY18 | \$ 61,000    | UORB Vegetation Mapping  | Legislative/FDEP         |
| FY18 | \$ 14,100    | UORB Hydrilla Surveillance   | Legislative/FDEP         |
| FY18 | \$ 19,200    | UORB SAV Surveillance  | Legislative/FDEP         |
| FY18 | \$ 125,000   | Lake Apopka Tributary Improvements                                   | Legislative/FDEP         |
| FY18 | \$ 250,000   | Lake Apopka SAV Restoration  | Legislative/FDEP         |
| FY18 | \$ 675,000   | LAUORB- Gizzard Shad Removal   | SJRWMD                   |
| FY18 | \$ 10,000    | Aerial Reconnaissance-Apopka/UORB                                    | SJRWMD                   |
| FY18 | \$ 10,360    | Phytoplankton and zooplankton analysis                               | SJRWMD                   |
| FY18 | \$ 2,000,000 | Lake Apopka Sump Dredging  | Legislative/FWC          |
| FY18 | \$ 500,000   | Lake Apopka Unconsolidated Floc Removal                              | Legislative/FWC          |
| FY18 | \$ 3,596,000 | Lake Apopka Newton Park Dredging Project                             | Legislative/FDEP         |
| FY18 | \$ 150,000   | Lake Apopka Marsh Flow Way Improvements                              | Legislative/FDEP         |
| FY18 | \$ 590,000   | Inlake and North Shore Improvements to Recover SAV                   | Legislative/FDEP         |
| FY18 | \$ 500,000   | Lake Apopka Targeted Lake Restoration Dredging                       | Legislative/FDEP         |
| FY18 | \$ 70,000    | LANS Fish Contaminant Analysis                                       | Legislative/FDEP         |
| FY18 | \$ 750,000   | Apopka Flow Way - 10 Pack Rehab                                      | Legislative/FDEP         |
| FY18 | \$ 250,000   | Lake Apopka Habitat Transition and Development                       | Legislative/FDEP         |
| FY18 | \$ 50,000    | Sunnyhill Canal Plugs  | SJRWMD                   |
| FY18 | \$ 300,000   | Alum Treatment - Lake Apopka, Emeraldal and Sunnyhill                | SJRWMD                   |
| FY18 | \$ 70,287    | Apopka AB Canal Culvert Replacement                                  | SJRWMD                   |
| FY18 | \$ 375,400   | Site Preparation for Vegetation Restoration (EMCA, SMCA, OPCA, LANS) | SJRWMD/<br>Amendment One |
| FY18 | \$ 451,000   | Native Vegetation Planting   | Amendment One            |

## Harris Chain of Lakes Restoration Council-Requested Actions by Council Members and Outcomes from July 8, 2016 to June 9, 2017

| Item No. | Request Date | Action Item   | Responsibility              | Actions  | Outcome  |
|----------|--------------|---|-----------------------------|--|----------|
| 1        | 7/8/16       | Vice-chairman Goerner requested an attorney from SJRWMD to defend the Council position (on ex officio membership).  | SJRWMD                      | 7/12/16 Letter read into the Harris Council record by Susan Davis, SJRWMD, at August Council meeting.  | COMPLETE |
| 2        | 7/8/16       | Vice-chairman Goerner requested the attorney from the District provide a letter including the law and statute by which the ex officio membership decision was made.   | SJRWMD                      | 7/12/16 Letter read into the Harris Council record by Susan Davis, SJRWMD, at August Council meeting.  | COMPLETE |
| 3        | 7/8/16       | Chairman Johnson requested Mr. Dennis Renfro, FWC, or another TAG member to identify the round object shown in the aerial photograph presented during the meeting.  | FWC                         | 7/21/16: Info sent by email from SJRWMD to Council/TAG   | COMPLETE |
| 4        | 7/8/16       | Vice-chairman Goerner requested to see all the data on the clear water plume coming out of the flowway, including how much P it contains.   | SJRWMD                      | 8/6/16-Info sent by email from SJRWMD to Council/TAG   | COMPLETE |
| 5        | 7/8/16       | Vice-chairman Goerner formally requested copies of the (North Shore) biological assessments for Council review.   | SJRWMD                      | 8/6/16-Info sent by email from SJRWMD to Council/TAG   | COMPLETE |
| 6        | 7/8/16       | Chairman Johnson requested information detailing the exact percentage of threshold exceedance for each of the fish samples used in the pesticide analyses for the North Shore and Lake Apopka.  | SJRWMD                      | 8/6/16-Info sent by email from SJRWMD to Council/TAG   | COMPLETE |
| 7        | 7/8/16       | Vice-chairman Goerner requested the SJRWMD Executive Director speak to the Council on SJRWMD plans. <b>UPDATE 3/3/17:</b> Vice-chairman Goerner reiterated his request to have Dr. Shortelle address the Council.   | SJRWMD                      | 4/10/17: Vice-chairman Goerner personally invited Dr. Shortelle to a HC meeting during the GB tour event. Dr. Shortelle answered favorably. Details forthcoming. 8/2/16: Phone conversation b/n N Abrahams and Bob Johnson. Bob advised mtg/appearance by Dr. Shortelle upon completion of letter. | PENDING  |
| 8        | 7/8/16       | Chairman Johnson requested Dr. Fulton, SJRWMD, provide information on dead birds in the North Shore next month.   | SJRWMD                      | 8/6/16-Info sent by email from SJRWMD to Council/TAG   | COMPLETE |
| 9        | 8/12/16      | Chairman Johnson requested staff provide copies of several SJRWMD contract authorizations, discussed by Mr. Stump, to Council.  | SJRWMD                      | 9/6/16-Link to information sent to Council/TAG by SJRWMD   | COMPLETE |
| 10       | 8/12/16      | Chairman Johnson inquired whether the circular area of aquatic vegetation in Lake Apopka was planted or occurred naturally  | FWC                         | 9/6/16-Link to information sent to Council/TAG by SJRWMD   | COMPLETE |
| 11       | 8/12/16      | Vice-Chairman Goerner requested Kevin Coyne, FDEP, investigate why SJRWMD does not require an NPDES permit for discharging lower quality water into receiving waters  | FDEP                        | 9/9/16 NPDES information presented by Kevin Coyne, FDEP at September Council meeting.  | COMPLETE |
| 12       | 8/12/16      | Vice-Chairman Goerner requested Mike Perry, LCWA, locate historic phosphorus data for the flowway.  | LCWA                        | 9/9/16 Mike Perry reported at September Council meeting that requested information was not available.  | COMPLETE |
| 13       | 8/12/16      | Dr. Canfield agreed to leave a packet of information for the Council  | SJRWMD                      | 8/22/16: Info sent by email from SJRWMD to Council/TAG   | COMPLETE |
| 14       | 9/9/16       | Councilman Truenow requested a copy of the report on Lake Apopka by Dr. Coveney, SJRWMD, and also requested a presentation if possible, at a later date.  | SJRWMD                      | 9/26/16: Report by Dr. Coveney provided by R. Fulton. Report forwarded to Council and TAG by DF on 9/27/16. Presentation by Dr. Coveney pending.   | COMPLETE |
| 15       | 9/9/16       | Chairman Johnson requested the technical advisory group to provide any proposed projects from their respective agencies for 2017-2018, to include in the annual report.   | SJRWMD, FWC, FDEP, LCWA, UF | 2/20/17: SJRWMD emailed to Council/TAG projects/funding list provided by Dr. Marzolf, SJRWMD. 9/22/16: list of current/past projects funded by various gov'ts provided to D. Frazel by K. Coyne.   | ONGOING  |
| 16       | 9/9/16       | Vice-Chairman Goerner requested information from Dennis Renfro on when hydrilla was treated in Lake Griffin, what the schedule is for future treatment, and whether there is a manpower or money issue with expanded vegetation management in the Harris Chain. | FWC                         | 1/13/17: FWC provided information at Council mtg. 9/27/16: Email from SG advised his question was when, where, and plan for future treatments on L Griffin. 9/14/16: Received email from FWC advising of hydrilla treatment for L Griffin.   | COMPLETE |
| 17       | 10/14/16     | Chairman Johnson requested SJRWMD provide a list of email addresses of Council members.   | SJRWMD                      | 10/18/16 Email list sent to Bob Johnson by SJRWMD  | COMPLETE |
| 18       | 10/14/16     | Vice-Chairman Goerner requested a copy of the technical report on the Trout Lake project ERP permit from SJRWMD.  | SJRWMD                      | 11/4/16: TSR/final plans included in agenda packets; 11/2/16: Email to Skip and Bob TSR/final plans  | COMPLETE |



## Harris Chain of Lakes Restoration Council-Requested Actions by Council Members and Outcomes from July 8, 2016 to June 9, 2017

| Item No. | Request Date | Action Item  | Responsibility              | Actions   | Outcome  |
|----------|--------------|--|-----------------------------|---|----------|
| 19       | 10/14/16     | Chairman Johnson requested Dr. Canfield be contacted to identify the sources of the data he presented at the September meeting.  | SJRWMD                      | 11/1/16 Updated information received from Dr. Canfield and inserted into Annual Report  | COMPLETE |
| 20       | 11/4/16      | Council requested summaries of the report by Mike Coveney, SJRWMD, on Lake Apopka  | SJRWMD                      | 12/17/16 SJRWMD emailed Council/TAG report  | COMPLETE |
| 21       | 11/4/16      | Council requested Dr. Fulton, SJRWMD, and TAG to discuss the aertion reports in January  | SJRWMD, FWC, FDEP, LCWA, UF | See related Item No. 24.  | COMPLETE |
| 22       | 11/4/16      | FWC requested the aeration reports be resent to Council for review   | FWC                         | 1/6/17 SJRWMD resent email with reports to TAG to make sure they are aware of Council's expectation to discuss at Jan mtg. 9/23/16 SJRWMD emailed reports to TAG and Council.                                     | COMPLETE |
| 23       | 11/4/16      | Chairman Johnson requested check on FDOH response or clarify their response with Dr. Marzolf, SJWMD.   | SJRWMD                      | 11/30/16 SJRWMD emailed Council/TAG FDOH and FWC responses to HC letter.  | COMPLETE |
| 24       | 11/4/16      | Chairman Johnson requested a list of meeting dates   | SJRWMD                      | 1/10/17 SJRWMD emailed Council/TAG  | COMPLETE |
| 25       | 11/4/16      | Chairman Johnson requested check on Water News article review process  | SJRWMD                      | 1/10/16 Email sent to Chairman Johnson. 11/8/16 Communication's team response to Chairman Johnson's concerns.   | COMPLETE |
| 26       | 1/5/17       | Councilmember Grow requested hardcopies of a summary spreadsheet he drafted to be distributed by Mr. Grow at Jan meeting. Spreadsheet and task request emailed to SJRWMD on 1/5/17 | SJRWMD                      | 1/11/17: SJRWMD telephoned Mr. Grow to discuss task. 10 hardcopies made.  | COMPLETE |
| 27       | 1/13/17      | Council requested topographic maps of the north shore  | SJRWMD                      | 2/1/17: SJRWMD mailed hardcopies to Council. 1/23/17: SJRWMD emailed Council/TAG maps/info  | COMPLETE |
| 28       | 1/13/17      | Councilmember Stump requested reporting schedule on the Allied Group aeration project  | SJRWMD                      | 2/10/17: SJRWMD provided update. 2/1: SJRWMD emailed reminder to RF   | COMPLETE |
| 29       | 1/13/17      | Chaiman Johnson reiterated a request to Kevin Coyne for FDEP response to Harris letter dated 8/219/16  | SJRMWD                      | 2/7/17: SJRWMD received letter from FDEP; SJRWMD emailed to Council/TAG. 2/1/17: SJRWMD emailed FDEP for reminder. 1/29/17: SJRWMD verbally advised FDEP of Council's expectation for FDEP to provide a response. | COMPLETE |
| 30       | 1/13/17      | Councilman Grow requested copies of FOLA (Friends of Lake Apopka) summary be provided to Council.  | SJRWMD                      | 2/1/17: SJRWMD mailed hardcopies to Council. 1/23/17: SJRWMD emailed summary to Council/TAG.  | COMPLETE |
| 31       | 1/13/17      | Councilman Grow requested copies of outline of agency responses be provided to Council.  | SJRWMD                      | 2/1/17: SJRWMD mailed hardcopies to Council. 1/23/17: SJRWMD emailed summary to Council/TAG.  | COMPLETE |
| 32       | 1/13/17      | Councilman Stump requested update on permitting and dredging on Lake Apopka  | SJRWMD                      | 2/10/17: Dr. Fulton, SJRWMD, presented update.  | COMPLETE |
| 33       | 2/10/17      | Councilwoman Bishop requested collaboration on development of project list and provide to Council/TAG for March discussion   | SJRWMD                      | 2/28/17: SJRWMD emailed project list to Council/TAG   | COMPLETE |
| 34       | 2/10/17      | Dr. Marzolf, SJRWMD, provide a summary document of funding   | SJRWMD                      | 2/20/17: SJRWMD emailed funding document to Council/TAG   | COMPLETE |
| 35       | 2/10/17      | Councilman Stump requested copy of slides of Dr. Marzolf's presentation  | SJRWMD                      | 2/20/17: SJRWMD emailed presentation to JS  | COMPLETE |
| 36       | 2/10/17      | Chairman Johnson requested Mr. Perry, LCWA, provide a presentation on funding and LCWA's response to HCOL letter   | LCWA                        | 3/3/17: LCWA Presented  | COMPLETE |
| 37       | 2/10/17      | Chairman Johnson submitted selected pages from the 2015 Ocklawaha River Basin Management Plan Annual Report and pesticide information article for SJRWMD to distribute to Council  | SJRWMD                      | 2/20/17: SJRWMD emailed information to Council/TAG  | COMPLETE |
| 38       | 3/3/17       | Chairman Johnson requested full-size copies of the LCWA legislative funding expenditures   | SJRWMD                      | 4/3/17: SJWMD emailed information to Council/TAG  | COMPLETE |
| 39       | 3/3/17       | Chairman Johnson requested information on P concentrations in Lake Denham  | SJRWMD                      | 4/7/17: Dr. Fulton, SJRWMD, scheduled to present  | COMPLETE |
| 40       | 3/3/17       | Chairman Johnson requested presentation of responses from FWC to the HC letter   | FWC                         | 4/7/17: Denis Renfro, FWC, scheduled to present   | COMPLETE |

## Harris Chain of Lakes Restoration Council-Requested Actions by Council Members and Outcomes from July 8, 2016 to June 9, 2017

| Item No. | Request Date | Action Item  | Responsibility              | Actions   | Outcome  |
|----------|--------------|--|-----------------------------|---|----------|
| 41       | 3/3/17       | Council requested SJRWMD incorporate comments and information provided by TAG into project spreadsheet                   | SJRWMD                      | 3/31/17: SJRWMD emailed spreadsheet to TAG for review and input; Dr. Fulton, SJRWMD reviewed and emailed comments                           | COMPLETE |
| 42       | 3/3/17       | Chairman Johnson requested a copy of MOU from 2003 to be provided to Council   | SJRWMD                      | 3/20/17: SJRWMD emailed signed MOU to Council/TAG   | COMPLETE |
| 43       | 3/29/17      | Chairman Johnson requested count of Council members attending Governing Board tour and meeting in Eustis April 10 and 11 | SJRWMD                      | 4/3/17: SJRWMD emailed Council for head count for FAR noticing. District submitted FAR notice.  | COMPLETE |
| 44       | 4/7/17       | Vice-chair Goerner asked SJRWMD to check on status of waterfowl testing.   | SJRWMD                      |   |          |
| 45       | 4/7/17       | Councilman Grow requested Nathalie Visscher (FWC) update Council on veg management                                       | FWC, SJRWMD                 | 4/14/17: FWC emailed SJRWMD advising will present in June. 4/11/17: SJRWMD emailed FWC requesting presentation.                             | COMPLETE |
| 46       | 4/7/17       | Councilman Grow asked FWC and FDEP provide details to the council on the FWC V-Clear project                             | FWC, FDEP                   | 6/9/17: Council updated.  | COMPLETE |
| 47       | 4/7/17       | FWC budget information for Lake Apopka since 1998  | FWC                         |   | PENDING  |
| 48       | 4/7/17       | Chairman Johnson asked FWC provide costs for establishing SAV.   | FWC                         |   | PENDING  |
| 49       | 4/7/17       | Chairman Johnson requested FWC projects be included on the project list  | FWC                         |   | PENDING  |
| 50       | 4/7/17       | Chairman Johnson requested hard copies of Erich Marzolf's (SJRWMD) funding forms be provided to Council.                 | SJRWMD                      | 5/15/17: Hardcopy included in agenda packet mailout to Council.   | COMPLETE |
| 51       | 4/7/17       | Chairman Johnson requested copies of an email letter sent by Alan Hays to Dr. Shortelle be provided to Council members.  | SJRWMD                      | 4/10/17: SJRWMD emailed email to Council  | COMPLETE |
| 52       | 4/7/17       | Councilman Grow requested name tags for council members  | Susan Davis                 | 5/10/17: SD emailed BJ w/cost info. 5/5/17: SD received email from vendor. 5/1/17: SD emailed request to vendor.                            | PENDING  |
| 53       | 7/12/17      | Chairman Johnson requested Canfield comment to be sent to Council members and TAG  | SJRWMD                      | 7/12/17: SJRWMD emailed paper to Council/TAG  | COMPLETE |
| 54       | 6/27/17      | Chairman Johnson requested Chlorophyll Trends Paper sent to Council and TAG  | SJRWMD                      | 7/4/17: SJRWMD emailed to Council/TAG   | COMPLETE |
| 55       | 7/3/17       | Chairman Johnson requested FWC information contained in FWC response letter  | SJRWMD                      |   | COMPLETE |
| 56       | 6/9/17       | Vice Chair Goerner requested amount of SJRWMD lands open to hunting  | SJRWMD                      | 7/5/17: SJRWMD emailed SG requested information   | COMPLETE |
| 57       | 6/9/17       | Vice Chair Goerner requested informaton on hog hunting on district lands   | SJRWMD                      | 7/5/17: SJRWMD emailed S Goerner requested information  | COMPLETE |
| 58       | 6/9/17       | Vice Chair Goerner requested duck hunting information  | SJRWMD                      | 7/5/17: SJRWMD emailed S Goerner requested information  | COMPLETE |
| 59       | 6/9/17       | FWC was requested to identify the entity performing analyses on waterfowl samples  | FWC                         |   | PENDING  |
| 60       | 6/9/17       | Chairman Johnson requested reschedule of July speaker to August  | SJRWMD                      | 6/22/17: SJRWMD email string with confirmation that Ms.Visscher is available for Aug but will need to leave at 11a due to other scheduling. | COMPLETE |
| 61       | 6/9/17       | Councilman Stump requested project list update   | SJRWMD, FWC, FDEP, LCWA, UF | 8/11/17: Updated project list provided at meeting   | ONGOING  |
| 62       | 6/9/17       | Chairman Johnson requested update on \$5 million   | SD                          | 8/10/17: SD spoke to BJ for direction and update. This is presently be worked on by staff and will be provided at a later date.             | PENDING  |

Enclosure 4

| <b>Harris Chain of Lakes Restoration Council</b><br><b>SJRWMD Cost Share Funding Partnerships with Local Governments—Projects that benefit the Harris Chain of Lakes</b><br><b>Funding awarded 2015-2017</b> |  |                       |   |   |                                   |   |
|--|--|-----------------------|---|---|-----------------------------------|---|
| FY   | Project  | Waterbody             | Project Description   | Project Partners                                  | Total Estimated Construction Cost | Total portion funded by Agency, Legislature Appropriations, or SRF loan |
| 17/18  | Mount Dora RCW Interconnect with Apopka                                  | Harris Chain of Lakes | This project involves the installation of reclaimed water interconnect between the cities of Mount Dora and Apopka; and provides additional reclaimed water for both cities and connects Mount Dora to the other interconnecting utilities. The   | City of Mount Dora, City of Apopka, SJRWMD        | \$1,100,000                       | Mount Dora: \$737,000; SJRWMD: \$363,000                                |
| 17/18  | Minneola Septic to Sewer   | Ocklawaha River       | The project is a septic to sewer project in downtown Minneola along US 27 & east of Lake Minneola. Phase 1 of 3 phases to install infrastructure w/transmission, force mains & lift station; and connect 7 business+15 residential units. The project will  | City of Minneola, SJRWMD                          | \$2,360,000                       | Minneola: \$1,581,200; SJRWMD: \$778,800                                |
| 16/17  | Orange Blossom KOA Sewer Connection                                      | Lake Apopka           | Connect the RV park's sewer system via lift station and force main to the City of Apopka's central sewer system. The project will reduce nutrient loading and benefit nearby Lake Apopka, Wekiva Springs and groundwater sources.   | SJRWMD, FDEP, private partnership, City of Apopka | \$166,275.00                      | FDEP: \$34,425; SJRWMD: \$34,425  |
| 16/17  | Lake County Magnolia Lane Water Quality Retrofit                         | Lake Harris           | Retrofit of next generation water quality treatment baffle box to an existing subdivision drainage system on the shores of Lake Harris.   | Lake County, SJRWMD                               | \$411,500.00                      | Legislature: \$350K; SJRWMD: \$61,500                                   |
| 2016   | Lake Griffin Stormwater Improvements Project                             | Lake Griffin          | Construction of a wet detention pond with incorporation to an existing forested wetland to provide stormwater treatment that currently drains untreated into Lake Griffin.  | City of Leesburg, SJRWMD, FDEP                    | \$402,000                         | Leesburg: \$281,400; SJRWMD: \$120,600; FDEP: \$195K 319 Grant          |
| 15/16  | Apopka Water Reclamation Facility Nutrient Removal Treatment Improvement | Lake Apopka           |   | City of Apopka, SJRWMD                            | \$6,078,000                       | Apopka: \$2,552,760; SJRWMD: \$1,519,500                                |
| 15/16  | Winter Garden Wastewater Treatment Facility Improvements                 | Lake Apopka           | The Winter Garden wastewater treatment facility has a drainage ditch that drains directly to Lake Apopka. The city is currently advertising for a contractor to design a project to capture that water as well as other stormwater to augment the City's reclaimed water system for irrigation and aquifer recharge. The City's project will reduce nutrient loading to the Lake by removing effluent discharges to the Lake. | City of Winter Garden, SJRWMD                     | \$3,694,250                       | Winter Garden: \$1,218,435; SJRWMD: \$790,735                           |
|  |  |                       |   |   | <b>Total of SJRWMD portion:</b>   | <b>\$3,668,560</b>  |