

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
January 3, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman), Cynthia McCurry and Judy Martin

Board Members Absent: Carolyn Accola

Others Present: Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Cobe Mikacich, Zack Scolaro, Debbie Goodwin and Paul Goodwin

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:01 p.m.

II. Approval of the December 5, 2012 Meeting Minutes:

Upon a Motion by Cynthia McCurry, seconded by David Geller, and carried with all present members voting AYE by voice vote, with Carolyn Accola being absent; the Advisory Board approved the December 5, 2012 meeting minutes as presented.

III. Environmental Protection Division (EPD) Report

EPD Code Updates

Melissa Lavigne stated that EPD is currently making revisions to Comprehensive Plan Article X (Wetland Conservation Areas), Article XI (Econlockhatchee Protection Area), Solid Waste and Water Quality Codes. The Advisory Board members' contact information has been provided to Alan Marshall with Orange County EPD who is coordinating this effort. Updates, meeting notices and timetables will be sent to Advisory Board members.

Lake Jessamine Alum Treatment

Melissa Lavigne reported that the third and final phase of the Lake Jessamine aluminum sulfate (alum) treatment is tentatively scheduled for March or April 2013.

Advisory Board Member Update

Melissa Lavigne announced that Ms. Judy Martin was officially appointed to the Lake Jessamine Water Advisory Board by the Orange County Board of County Commissioners (BCC) and Mayor Teresa Jacobs on October 16, 2012.

Melissa Lavigne also announced that Ms. Carolyn Accola had been reappointed to the Advisory Board. Ms. Carolyn Accola and Ms. Judy Martin have term expiration dates of 12/31/2014, and the rest of the Advisory Board members have expiration dates of 12/31/2013.

Lake Jessamine Tussock Removal Project

Melissa Lavigne reported that Florida Fish and Wildlife Conservation Commission (FWC) biologist Ed Harris approved the permit modification for the proposed tussock removal project on Lake Jessamine. The purchase order is complete and the job is scheduled to begin on Wednesday, January 9, 2012. The contractor, Aquatic Weed Control (AWC), will use the Woodsmere Boat Ramp as the point of access to the lake, as well as the biomass staging area.

Lake Bumby and Lake Tyner Water Quality Treatment Options

The Advisory Board and Melissa Lavigne discussed the potential of Phoslock[®] as a water quality treatment option for Lake Bumby and Lake Tyner. The Advisory Board is interested in gaining a more in-depth understanding of the product, and would like to invite a speaker to give a Phoslock[®] presentation at an upcoming meeting. Melissa Lavigne agreed to facilitate this presentation. Judy Martin would like the presenter(s) to come prepared with pricing information for both lakes.

IV. Old Business:

None

V. New Business:

None

VI. Non-Agenda Items/Public Comment:

Resident, Debbie Goodwin, inquired about the Lake Jessamine Municipal Service Taxing Unit (MSTU) budget. Melissa Lavigne shared the requested budget information as of October 3, 2012.

VII. Meeting Adjournment

Chairman Powell adjourned the meeting at 5:22 p.m.

Neil Powell, D.S.
Dr. Neil Powell, Chairman

2-7-2013
Date

Melissa Lavigne
Minutes Prepared By Melissa Lavigne

2/7/13
Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
February 7, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman), Carolyn Accola, Cynthia McCurry and Judy Martin

Board Members Absent: None

Others Present: Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Cobe Mikacich and Debbie Goodwin

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:00 p.m.

II. Approval of the January 3, 2013 Meeting Minutes:

Upon a Motion by David Geller, seconded by Cynthia McCurry, and carried with all present members voting AYE by voice vote, the Advisory Board approved the January 3, 2012 meeting minutes as presented.

III. Environmental Protection Division (EPD) Report

Lake Jessamine Alum Treatment

Melissa Lavigne distributed a water quality report containing surface water data analyzed before and after the second phase of the alum treatment. Melissa Lavigne reported that the third and final phase of the Lake Jessamine alum treatment is tentatively scheduled for March or April 2013.

Lake Jessamine Tussock Removal Project

Melissa Lavigne reported that the tussock removal project was successfully completed by Aquatic Weed Control (AWC). The original quote was \$9,215. The total billed amount was \$7,940, a difference of \$1,275. Pictures of the job were presented.

Lake Bumby & Lake Tyner Aquatic Vegetation Survey

Melissa Lavigne announced that she and a team member had conducted an aquatic vegetation survey on Lakes Bumby and Tyner on Wednesday, February 6, 2013. No *Hydrilla verticillata* was found in Lake Bumby, and just trace amounts were discovered in Lake Tyner. No herbicide treatment will be initiated at this time because Lake Tyner is stocked with triploid grass carp to manage the invasive *Hydrilla*. Melissa Lavigne also updated the Advisory Board that Lake Jessamine was surveyed for invasive vegetation on Thursday, February 07, 2013. Approximately 1/10 of an

acre of *Hydrilla* was observed in the south lobe and will be treated by Orange County EPD.

Lake Bumby & Lake Tyner Water Quality Treatment Options

Melissa Lavigne reported that Lance Lumbard with AMEC is scheduled to attend the next meeting on Thursday, March 7, 2013 to give a Phoslock presentation and to answer questions on the potential treatment of Lakes Bumby and Tyner.

IV. Old Business:

Chairman Powell stated that he had been attempting to correspond with Florida State Senator Andy Gardiner concerning desired legislation to allow counties to have more control over their local waterbodies.

V. New Business:

The Advisory Board members discussed concerns about pondweed in the north cove and bladderwort in Chairman Powell's canal. Carolyn Accola supports establishing a regularly scheduled submersed aquatic vegetation maintenance program to include an annual inspection to determine the need for treatment. Melissa Lavigne agreed to speak with Biologist Ed Harris with the Florida Fish and Wildlife Conservation Commission (FWC) about the proposed program.

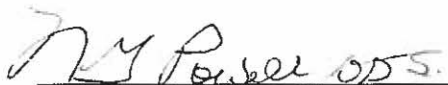
VI. Non-Agenda Items/Public Comment:

Cynthia McCurry inquired about total phosphorus (TP) and total nitrogen (TP) as pollutants in our waterbodies and requested that this topic be addressed in a future educational newsletter.

Vice Chairman Geller reported on a new type of wakeboarding boat that has a wave-enhancement system. The Advisory Board discussed concerns with excessive waves caused by the new technology. Resident Cobe Mikacich said that he was familiar with the system because he has one of these new boats and also assisted with the design of the system called a surf gate. Melissa Lavigne reported that Commissioner Clarke, District 3, is interested in a demonstration of the surf gate. Cobe Mikacich offered to give a demonstration of the boat and system to any interested parties.

VII. Meeting Adjournment

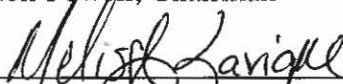
Chairman Powell adjourned the meeting at 4:46 p.m.



Dr. Neil Powell, Chairman

3-7-13

Date



Minutes Prepared By Melissa Lavigne

3/7/13

Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
April 4, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman), Cynthia McCurry and Judy Martin

Board Members Absent: Carolyn Accola (Arrived at 4:30 p.m.)

Others Present: Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Jay Brumbaugh, Shontell Crawford, Deborah Goodwin, Paul Goodwin and Cobe Mikacich

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:00 p.m.

II. Approval of the March 7, 2013 Meeting Minutes:

Upon a Motion by Vice Chairman Geller, seconded by Cynthia McCurry, and carried with all present members voting AYE by voice vote, with Carolyn Accola being absent; the Advisory Board approved the March 7, 2013 meeting minutes as presented.

III. Environmental Protection Division (EPD) Report:

Lake Jessamine Alum Treatment

Melissa Lavigne reported that the final phase of the Lake Jessamine alum treatment is not yet scheduled. Dr. Harvey Harper of Environmental Research & Design (ERD) will select the most suitable dates.

Baffle Box Inspection

Melissa Lavigne reported that the Second Generation Nutrient Separating Baffle Boxes were inspected on Tuesday, April 2, 2013 after a resident reported a potential problem with the structures. The resident told Chairman Powell that one of the structures appeared to be sinking. EPD's inspection revealed no issue with the recently cleaned and maintained baffle boxes, but instead found a broken concrete curb inlet in the City of Edgewood. Melissa Lavigne distributed pictures.

Melissa Lavigne also reported the following baffle box maintenance information:

- On August 2012, 10,000 gallons of liquid waste were removed resulting in 12 tons of debris/solids disposal.
- On March 2013, 10,000 gallons of liquid waste were removed resulting in 13.8 tons of debris/solids disposal.

Submerged Aquatic Vegetation (SAV) Survey

Melissa Lavigne announced that EPD and the Florida Fish and Wildlife Conservation Commission (FWC) are scheduled to conduct a vegetation survey on Thursday, April 11, 2013 to assess the quantity of pondweed and other submerged aquatic vegetation. FWC will then determine what level of vegetation control is appropriate and permitted. Ed Harris, FWC Biologist, will attend the May 2, 2013 Lake Jessamine Water Advisory Board meeting to discuss survey results and native vegetation control.

Resident, Jay Brumbaugh, expressed his concerns with the current lack of beneficial vegetation in the lake and made a point that further native vegetation control/removal is unwarranted.

Triploid Grass Carp in Lake Jessamine

Melissa Lavigne reported that Lake Jessamine had 150 fish stocked in 2008, 50 fish in 2011 and 200 fish recently stocked in 2012. Based on recent invasive vegetation surveys, the minimal detection of *Hydrilla verticillata* in the lake indicates the fish are adequately stocked at this time and are providing the desired level of biological control.

Meeting Schedule

Melissa Lavigne relayed that the July Advisory Board meeting happens to fall on the July 4, 2013 holiday and the Cypress Grove Park Cottage will be closed. Melissa Lavigne booked the Cottage on the following Thursday, July 11, 2013 at 4:00 p.m. The Advisory Board did not have any objections to changing the July meeting date.

Upon a Motion by Judy Martin, seconded by Vice Chairman Geller, and carried with all present members voting AYE by voice vote, with Carolyn Accola being absent; the Advisory Board approved changing the July meeting date from Thursday, July 4, 2013 to Thursday, July 11, 2013 at 4:00 p.m.

IV. Old Business:

None.

V. New Business:

None.

VI. Non-Agenda Items/Public Comment:

Resident, Deborah Goodwin, discussed an interest in collaborating with other lake advisory boards, or to form a separate committee, to partner on legislative changes that will increase local authority over vessel regulation on state waterbodies.

Resident, Brett Barner, expressed an interest in a County or District-wide lakes meeting.

Judy Martin and Deborah Goodwin inquired about a joint meeting with the Lake Holden Advisory Board (LHAB). Melissa Lavigne agreed to ask the LHAB and report back at the next meeting.

VII. Meeting Adjournment

Chairman Powell adjourned the meeting at 4:31 p.m.

Neil Powell

Dr. Neil Powell, Chairman

Neil Powell, Vice Chair

5-2-13

Date

Melissa Lavigne

Minutes Prepared By Melissa Lavigne

5/2/13

Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
May 2, 2013**

Board Members Present: David Geller (Vice Chairman), Carolyn Accola, Cynthia McCurry and Judy Martin

Board Members Absent: Dr. Neil Powell (Chairman)

Others Present: Ed Harris, Florida Fish and Wildlife Conservation Commission (FWC)
Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Deborah Goodwin, Paul Goodwin, Cobe Mikacich, Joe Scarbrough and Will Wise

I. Meeting Called to Order:

With a quorum present, Vice Chairman Geller called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:00 p.m.

II. Approval of the April 4, 2013 Meeting Minutes:

Upon a Motion by Carolyn Accola, seconded by Cynthia McCurry, and carried with all present members voting AYE by voice vote, with Chairman Powell and Judy Martin being absent; the Advisory Board approved the April 4, 2013 meeting minutes as presented.

Judy Martin arrived at 4:13 p.m.

III. Aquatic Vegetation Survey – Ed Harris, Florida Fish & Wildlife Conservation Commission:

Ed Harris, Regional Biologist for the Florida Fish and Wildlife Conservation Commission (FWC) attended the Lake Jessamine Advisory Board meeting to discuss current submerged plant conditions in the lake. Ed Harris and Melissa Lavigne conducted a submerged aquatic vegetation (SAV) survey on Lake Jessamine on April 11, 2013. Utilizing high definition fathometers and sonar processing algorithms, plant density was determined throughout the waterbody. A vegetation density map was produced and distributed to the board members. The results showed a reduced and sparse plant community as compared to previous years. The reduction in SAV can be attributed to multiple management practices that led to reduced available nutrients, such as alum treatments, street sweeping, stormwater filter baskets and baffle boxes. Also, aquatic herbicide treatments and adequately stocked grass carp are directly correlated to the reduced presence of SAV.

Ed Harris stated that, from an ecological standpoint, we do not want to excessively reduce populations of beneficial, native vegetation, e.g., pondweed and eelgrass. Instead, we want to focus on managing the invasive, non-native species, e.g. hydrilla and water hyacinth. Beneficial SAV improves water quality, suppresses algae blooms and enhances fisheries, while excessive SAV can be a nuisance during boating or swimming activities; the goal of aquatic vegetation management is to balance public navigation and recreation versus water quality and ecosystem health.

IV. Environmental Protection Division (EPD) Report:

Lake Jessamine Alum Treatment

Melissa Lavigne reported that the final phase of the Lake Jessamine alum treatment is scheduled to begin the first week in June with an anticipated eight (8) days of application (June 3 -14, 2013). Environmental Research & Design (ERD) will stage their equipment at the Bywater Boat Ramp. Both boat ramps will be closed during the treatment. The Woodsmere Boat Ramp will open to the public on the weekends. Boaters are asked to stay off the water while the application crew is working.

Carolyn Accola and Brett Barner reported a dislodged shallow water buoy and an old metal post near the entrance to the north cove. The buoy needs to be replaced and the metal post needs to be removed as it poses a navigation threat.

Lake Vegetation Index (LVI)

Melissa Lavigne conducted a Florida Department of Environmental Protection (FDEP) bioassessment on May 1, 2013 known as the Lake Vegetation Index (LVI). The LVI is a tool which assesses a lake's biological health based on the plant community structure, taking into account littoral, emergent, floating-leaf and submerged aquatic vegetation. Lake Jessamine scored higher this year than the previous two (2) years. Melissa Lavigne distributed LVI information sheets including the following scores for Lake Jessamine:

Lake Jessamine LVI Scores

April 2011: 52

May 2012: 52

May 2013: 61

All 3 scores are considered HEALTHLY, according to FDEP guidelines.

LVI Scores & Categories

78 – 100: Category 1 Exceptional

38 – 77: Category 2 Healthy

0 – 37: Category 3 Impaired

Curb Inlet Basket (CIB) Report

Melissa Lavigne distributed monthly cleaning and debris quantification data for Lake Jessamine's ninety-three (93) installed curb inlet baskets (CIB). During 2012, thirteen thousand and twenty-six (13,026) pounds of material were kept out of Lake Jessamine

via the CIB cleaning program. From January 2013 to April 2013, six thousand two hundred and sixteen (6,216) pounds of debris have been cleaned from the baskets.

Cynthia McCurry discovered three (3) missing CIBs in her neighborhood and reported their absence to Melissa Lavigne. The baskets were intentionally pulled in 2010 due to a potential flooding risk. The MSTU has not been charged for monthly cleaning since the baskets were removed. Melissa Lavigne is investigating whether the baskets can be retrofitted with a new design that will prevent flooding. Cynthia McCurry would also like the outfall to the lake inspected to see if dense vegetation is prohibiting the flow of water through the stormwater pipe. Melissa Lavigne reported that the County's Roads & Drainage Division had been notified about the concerns with this particular pipe and outfall area. Vice Chairman Geller is interested in the condition of the existing CIBs and also the potential for new basket installation in other inlets that do not currently contain them.

Meeting Schedule

Melissa Lavigne announced that the next regularly scheduled meeting will be held on Thursday, June 6, 2013. The Lake Holden Advisory Board Chairman, Rick Richbourg, is tentatively scheduled to attend the next meeting.

V. Old Business:

None.

VI. New Business:

None.

VII. Non-Agenda Items/Public Comment:

Resident, Deborah Goodwin, reported inaccurate information listed on the County Calendar for the Lake Jessamine Advisory Board meetings. Melissa Lavigne agreed to have the information updated as soon as possible.


VIII. Meeting Adjournment

Vice Chairman Geller adjourned the meeting at 4:37 p.m.



Dr. Neil Powell, Chairman

6-6-13
Date


Minutes Prepared By Melissa Lavigne

6-6-13
Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
June 6, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman), Carolyn Accola, Cynthia McCurry and Judy Martin

Board Members Absent: None

Others Present: Rick Richbourg, Lake Holden Advisory Board Chairman
Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Deborah Goodwin and Paul Goodwin

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:02 p.m.

II. Approval of the May 2, 2013 Meeting Minutes:

Upon a Motion by Carolyn Accola, seconded by Vice Chairman Geller, and carried with all present members voting AYE by voice vote; the Advisory Board approved the May 2, 2013 meeting minutes as presented.

III. Guest Speaker – Rick Richbourg, Lake Holden Advisory Board Chairman:

The Lake Holden Advisory Board Chairman, Rick Richbourg, attended the Lake Jessamine Water Advisory Board meeting to discuss lake-related topics. The topics included the history and background of Lake Holden, lake health, formation of the MSTU or lake taxing district, professional lake studies, best management practices (BMP) selection and implementation, homeowner education and responsibility, and concerns with water quality moving into the future. The Lake Jessamine Advisory Board discussed their concerns with wakeboarding boats and the impact their waves have on water quality and shoreline erosion.

IV. Environmental Protection Division (EPD) Report:

Lake Jessamine Alum Treatment

Melissa Lavigne reported that the final phase of the Lake Jessamine alum treatment began on Wednesday, June 5, 2013. Environmental Research & Design (ERD) began staging their equipment at the Bywater Boat Ramp on Monday, June 3, 2013. Both boat ramps are closed during the treatment. The Woodsmere Boat Ramp will open to the public on the weekends. Boaters have been asked to stay off the water while the application crew is working. The treatment, despite the delayed start, is still scheduled to finish on Friday, June 14, 2013.

General Lake Maintenance

- **Boat Ramp Repairs:**

Melissa Lavigne contacted the County's Parks Department to inspect the Bywater Boat Ramp for repairs including two potholes at the beginning of the concrete ramp. The boat ramp was repaired between May 7 and May 9, 2013.

- **Buoy:**

Aquatic Weed Control (AWC) and Melissa Lavigne inspected the dislodged "shallow area" buoy near the entrance to the lake's north lobe. The buoy was found in the marsh and its chain and anchor were no longer attached. AWC was instructed to repair the buoy and return to its original coordinates.

- **Metal Post:**

AWC and Melissa Lavigne were unable to locate the potentially dangerous metal post in the entrance to the lake's north lobe. Carolyn Accola and Brett Barner also attempted to locate and mark the metal post, but were equally unsuccessful because the water levels have risen and submerged the object.

- **Curb Inlet Basket Replacement:**

Melissa Lavigne discussed the potential of replacing three curb inlet baskets (CIBs) in the Jessamine basin. These baskets had been removed in 2010 due to a threat of flooding. If replaced, the CIBs would only be ten inches deep. The Environmental Protection Division (EPD) has scheduled a meeting to discuss installation guidelines for CIBs to determine criteria such as size/depth/volume of the baskets.

Cynthia McCurry would like EPD to investigate a stormwater outfall (the pipe associated with the three aforementioned CIBs) that is heavily overgrown with vegetation. Melissa Lavigne agreed to schedule a site visit.

Meeting Schedule

Melissa Lavigne announced that the next regularly scheduled meeting was changed from Thursday, July 4, 2013 to Thursday, July 11, 2013 due to the holiday.

V. Old Business:

None

VI. New Business:

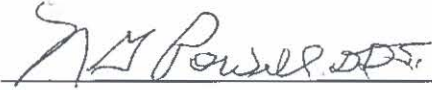
Vice Chairman Geller and the other board members discussed a multi-million dollar muck removal/dredging project for Lake Apopka being conducted as a water quality improvement project.

VII. Non-Agenda Items/Public Comment:

None

VIII. Meeting Adjournment

Chairman Powell adjourned the meeting at 5:15 p.m.



Dr. Neil Powell, Chairman

7-11-13

Date



Minutes Prepared By Melissa Lavigne

7/11/13

Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
July 11, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman) and Cynthia McCurry

Board Members Absent: Carolyn Accola (Judy Martin arrived at 4:37 p.m.)

Others Present: Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Shontell Crawford, Deborah Goodwin, Paul Goodwin, Cobe Mikacich and Joe Scarbrough

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:02 p.m.

II. Approval of the June 6, 2013 Meeting Minutes:

Upon a Motion by Vice Chairman Geller, seconded by Cynthia McCurry, and carried with all present members voting AYE by voice vote, with Carolyn Accola and Judy Martin being absent; the Advisory Board approved the June 6, 2013 meeting minutes as presented.

III. Environmental Protection Division (EPD) Report:

Lake Jessamine Alum Treatment

Melissa Lavigne announced that Environmental Research & Design (ERD) had completed the third and final phase of the alum treatment on June 14, 2013. Post-treatment water quality samples will be collected and analyzed. After a minimum of six months, post-alum treatment sediment cores will be analyzed, particularly for reductions in available phosphorus. ERD will then draft an efficacy report and present the results to the Advisory Board and the public. The Advisory Board prefers to have a community meeting in lieu of a regularly scheduled water advisory board meeting.

Buoy Repair

Melissa Lavigne reported that Aquatic Weed Control (AWC) made repairs and reinstalled the dislodged shallow water buoy near the entrance to the lake's north lobe. The chain and anchor were replaced and the buoy was returned to its designated coordinates.

Stormwater Outfall Maintenance

Melissa Lavigne discussed an overgrown stormwater outfall pipe located near 5208 Stratemeyer Drive. The area downstream of the outfall is in need of invasive vegetation clearing, then sparse revegetation with beneficial native species to serve as

a filtration area. A quote for \$3,160.88 was distributed to the Advisory Board. The board members decided to contact the County's Roads & Drainage Division for assistance. Chairman Powell intends to make the call.

Meeting Schedule

Melissa Lavigne announced that the next regular meeting is scheduled for Thursday, August 1, 2013 at 4:00 p.m. at the Cypress Grove Park Cottage.

IV. Old Business:

Chairman Powell stated that he was continuing correspondence with Florida State Senator Andy Gardiner concerning desired legislation to allow counties to have more control over their local waterbodies. Chairman Powell requested contact information for all Orange County lake advisory board chairmen. Melissa Lavigne agreed to compile the requested information.

Resident, Shontell Crowford, expressed her concerns about the Advisory Board continuing to discuss boating regulations on Lake Jessamine, even after multiple discussions with a County attorney and marine sheriff patrol officer. Shontell Crowford requested a mailing list for all lakefront property owners. Melissa Lavigne agreed to this request.

Resident, Brett Barner, stated that excessive waves from wakeboarding boats may cause water quality degradation, and thus makes sense to explore ways in which to reduce the impact.

V. New Business:

None

VI. Non-Agenda Items/Public Comment:

None

VII. Meeting Adjournment

Chairman Powell adjourned the meeting at 4:51 p.m.

Neil Powell, DDS.
Dr. Neil Powell, Chairman

8-1-13
Date

Melissa Lavigne
Minutes Prepared By Melissa Lavigne

8/1/13
Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
August 1, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman), Cynthia McCurry and Judy Martin

Board Members Absent: Carolyn Accola

Others Present: Kevin Behan, Aide to County Commissioner Pete Clarke
Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Deborah Goodwin, Paul Goodwin, Cobe Mikacich and Joe Scarbrough

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:00 p.m.

II. Approval of the July 11, 2013 Meeting Minutes:

Chairman Powell noticed a spelling error in Section IV of the draft minutes. The minutes were modified as requested.

Upon a Motion by Cynthia McCurry, seconded by Vice Chairman Geller, and carried with all present members voting AYE by voice vote, with Carolyn Accola and Judy Martin being absent; the Advisory Board approved the July 11, 2013 meeting minutes as amended.

Judy Martin arrived at 4:10 p.m.

III. Environmental Protection Division (EPD) Report:

Annual Maintenance Cost

Melissa Lavigne announced that the County's 2014 fiscal year will start on October 1, 2013. The Advisory Board discussed the benefits and costs associated with regular annual maintenance to include street sweeping services (up to \$25K), curb and grate inlet basket cleaning services (up to \$30K), baffle box maintenance services (up to \$6K) and gate keeping services (up to \$6K).

Upon a Motion by Vice Chairman Geller, seconded by Cynthia McCurry and carried with all present members voting AYE by voice vote, with Carolyn Accola being absent; the expenditure of funds to cover the cost of routine maintenance at the same level of service as the previous year was approved.

Judy Martin requested a map of the swept streets in the Lake Jessamine Taxing District as well as the amount of material removed by the sweepers. Chairman Powell requested the actual cost of street sweeping services during the previous fiscal year. Melissa Lavigne agreed to deliver this information at the next meeting.

Curb Inlet Basket Repairs

Melissa Lavigne presented a proposal for \$7,250.00 for curb and grate inlet basket repairs and upgrades, including tethers and identification tags. The filters baskets are no longer under warranty with the manufacturer, Suntime Technologies.

Upon a Motion by Chairman Powell, seconded by Cynthia McCurry and carried with all present members voting AYE by voice vote, with Carolyn Accola being absent; the repairs and upgrades of inlet filter baskets within the Lake Jessamine basin at a cost of up to \$7,250.00 were approved.

Stormwater Outfall Maintenance

The Advisory Board revisited a quote for \$3,160.88 for maintenance of an overgrown stormwater outfall pipe located near 5208 Stratmeyer Drive. The area downstream of the outfall is in need of invasive vegetation clearing, then sparse revegetation with beneficial native species to serve as a filtration area.

Upon a Motion by Cynthia McCurry, seconded by Vice Chairman Geller and carried with all present members voting AYE by voice vote, with Carolyn Accola being absent; the Stratmeyer Drive outfall clearing project was approved at a cost of up to \$3,160.88.

The Advisory Board discussed conducting similar projects at other stormwater outfall pipes on Lake Jessamine, Lake Bumby and Lake Tyner. The Advisory Board requested a survey of all drainage easements flowing to the lakes to assess the need for maintenance. Melissa Lavigne agreed to conduct the assessment and to direct the contractor to produce separate quotes for each of the three lakes.

Meeting Schedule

Melissa Lavigne and the Advisory Board discussed and agreed to reschedule the next meeting from Thursday, September 5 to Thursday, September 12, 2013 at 4:00 p.m. at the Cypress Grove Park Cottage.

Judy Martin made a motion to change the regular meeting time from 4:00 p.m. to 5:30 p.m. because she has difficulty attending the meetings due to her work schedule. The Advisory Board members were open to the discussion, but decided to table the motion until all five board members are present for the vote.

IV. Old Business:

Chairman Powell inquired about supplies for a storm drain labeling project in the Lake Jessamine drainage basin. The Advisory Board members would like the labels, tubes of caulk, caulking guns, etc. that are required to adhere informative markers on the

curb inlets leading to the lake. Melissa Lavigne agreed to speak with the County's volunteer coordinator about the details of the program.

V. New Business:

Chairman Powell announced that he recently attended a lunch meeting with Commissioner Pete Clarke, Kevin Behan (Aide to Commissioner Clarke) and EPD staff regarding complaints made to the Commissioner's office that the Advisory Board was operating outside of its intended scope. It was expressed to Chairman Powell that the issue of regulating wake boarding, or any other type of recreation on the lake, would no longer be an acceptable topic during the water advisory board meetings.

Kevin Behan stated that Commissioner Clarke is not against, but in fact encourages, citizens to pursue this issue at the appropriate State level. Mr. Behan said that County advisory boards are formed with the goal of advising County Commissioners on items over which the County has authority. In this case, the State, not the County, regulates activities on the lakes. Thus, the Lake Jessamine Water Advisory Board has no ability and no jurisdiction to address this issue. If a group of citizens chooses to independently pursue this issue, Mr. Behan advised to use an attorney to draft language and then connect with their State representatives.


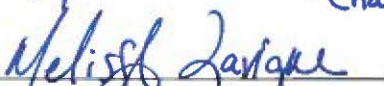
VI. Non-Agenda Items/Public Comment:

Deborah Goodwin asked about the recommendation made in the Lake Jessamine Study to restrict boating speeds in shallow water. Melissa Lavigne answered that this was a recommendation for self-regulation; the study specifically stated that speed restrictions could not be formally enforced.

Judy Martin discussed the new water quality improvement pond constructed upstream of Lake Mary Jess. The new pond treats stormwater runoff from Orange Avenue before flowing to Lake Mary Jess and then to Lake Jessamine. Ms. Martin was interested in learning more about the stormwater runoff from Orange Blossom Trail (OBT) that affects Lake Jessamine. Chairman Powell and Joe Scarbrough spoke about the history of drainage from OBT. They stated that the OBT lane expansion project did not introduce new stormwater runoff into the Lake Jessamine basin, but instead directed runoff to the west (Lake Tyler basin).

VII. Meeting Adjournment

Chairman Powell adjourned the meeting at 5:20 p.m.

 _____ David Geller, Vice Chairman	9-12-13 _____ Date
 _____ Minutes Prepared By Melissa Lavigne	9/12/13 _____ Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
September 12, 2013**

Board Members Present: David Geller (Vice Chairman), Carolyn Accola, Cynthia McCurry and Judy Martin

Board Members Absent: Dr. Neil Powell (Chairman)

Others Present: Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Deborah Goodwin, Paul Goodwin, Mary Johnson, Joe Scarbrough and Martha Wyatt

I. Meeting Called to Order:

With a quorum present, Vice Chairman Geller called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:02 p.m.

II. Approval of the August 1, 2013 Meeting Minutes:

Upon a Motion by Cynthia McCurry, seconded by Carolyn Accola, and carried with all present members voting AYE by voice vote, with Chairman Neil Powell being absent; the Advisory Board approved the August 1, 2013 meeting minutes as presented.

III. Environmental Protection Division (EPD) Report:

Routine Services for Water Quality Protection

Melissa Lavigne reported the following annual costs for routine services in the Lake Jessamine basin during the 2012-2013 Fiscal Year:

- Street Sweeping Services = Approximately \$14,000
- Filter Basket Cleaning Services = Approximately \$13,000
- Baffle Box Cleaning Services = Approximately \$8,000
- Gate Keeping Services = Approximately \$6,000

Vice Chairman Geller mentioned that, in the past, the Advisory Board had stopped paying for gate keeping services. The services were reinstated in response to resident complaints about trash, loitering, etc.

Melissa Lavigne distributed a street sweeping map and a current MSTU budget sheet to the Advisory Board members.

Curb Inlet Basket Repairs and Upgrades

Melissa Lavigne reported that the project to repair and upgrade the curb inlet baskets (including tethers and identification tags) was completed by the contractor.

Stormwater Outfall Maintenance

A drainage easement map identifying stormwater outfall locations that drain into Lake Jessamine was distributed by Melissa Lavigne.

Melissa Lavigne gave an update on the Stratemeyer Drive Outfall Clearing Project: An aquatic plant control permit application was submitted to the Florida Fish & Wildlife Conservation Commission (FWC) on August 23, 2013. The permit was approved on September 12, 2013. The contractor will be notified to begin the scope of work.

As requested by the Advisory Board, Melissa Lavigne conducted a survey of all Lake Jessamine, Lake Bumby and Lake Tyner outfall pipes draining into the lakes. She identified three areas in need of vegetation management in Lake Jessamine's southwest lobe. A quote for \$4,583.75 for maintenance of these three outfalls was presented. Melissa Lavigne assured the Advisory Board that the issued FWC aquatic plant control permit would cover all four maintenance areas, so no additional permit would be required for work in the southwest lobe.

Upon a Motion by Vice Chairman Geller, seconded by Carolyn Accola and carried with all present members voting AYE by voice vote, with Chairman Powell being absent; the Southwest Lobe Outfall Clearing Project was approved at a cost of up to \$3,000.00.

Storm Drain Labeling Project

Cynthia McCurry offered to contact the volunteer program coordinator, Carrie Mohanna, who coordinates the storm drain labeling program for Orange County. Melissa Lavigne distributed the eVIP Newsletter, a publication for Orange County's environmental volunteer and internship opportunities.

Meeting Schedule

The Advisory Board announced that the next meeting is scheduled for Thursday, October 3, 2013 at 4:00 p.m. at the Cypress Grove Park Cottage.

IV. Old Business:

None

V. New Business:

Carolyn Accola recently observed a substantial mat of vegetation floating around Lake Jessamine. Cynthia McCurry had also witnessed the large mat and had previously reported its presence to EPD. Lake Management staff investigated the issue and found the mat lodged near the northeast canal entrance. The mat was comprised of Pickerelweed, *Pontederia cordata*, and was physically pushed onto the shore to disable its movement around the lake.

VI. Non-Agenda Items/Public Comment:

Mary Johnson, whose home is located on the canal between Lake Mary Jess and Lake Jessamine, expressed interest in dredging the canal to increase flow between the two interconnected lakes and to minimize the occurrence of stagnant water in her backyard. Joe Scarbrough discussed the history of this issue: Approximately fifteen years ago, the Advisory Board attempted to dredge this canal but was unsuccessful because the County does not have an easement and about 75% of the individual property owners did not approve of the project. Mary Johnson would like to revisit the issue and plans to contact the current property owners on the canal. She also plans to attend the Lake Mary Jess Advisory Board meeting to gauge their interest in the project.

Brett Barner and the Advisory Board discussed rear yard berms and swales and vegetated shorelines as water quality protection and improvement options for Lake Jessamine. Both of these options are recommended best management practices (BMPs) for reducing pollutant loading to Lake Jessamine. Vice Chairman Geller would like to have a speaker attend a meeting to further discuss the benefit and implementation of these BMPs.

Martha Wyatt addressed the Advisory Board about the persistent trash and debris in the northwest canal. She requested that the canal be cleaned and maintained. The Advisory Board would like an inspection to be performed and a quote to be produced. Melissa Lavigne agreed to have a contractor conduct these requested services.

Debbie Goodwin inquired about changing the meeting schedule to a later time. This topic was originally discussed and tabled during the August meeting. The Advisory Board further discussed the topic and decided to wait for all five members to evaluate their schedules and preferences.

VII. Meeting Adjournment

Vice Chairman Geller adjourned the meeting at 5:44 p.m.

Neil Powell, P.D.S.
Dr. Neil Powell, Chairman

10-3-13
Date

Melissa Lavigne
Minutes Prepared By Melissa Lavigne

10/3/13
Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
November 7, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman) and Cynthia McCurry

Board Members Absent: Carolyn Accola and Judy Martin

Others Present: Kelly Greer, UF IFAS Extension
Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Deborah Goodwin, Paul Goodwin and Cobe Mikacich

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:02 p.m.

II. Approval of the October 3, 2013 Meeting Minutes:

Upon a Motion by Vice Chairman Geller, seconded by Cynthia McCurry, and carried with all present members voting AYE by voice vote, with Carolyn Accola and Judy Martin being absent; the Advisory Board approved the October 3, 2013 meeting minutes as presented.

III. Public Comment on Propositions Before the Advisory Board:

Chairman Powell opened the floor for public comment.

- Resident Debbie Goodwin inquired about the agenda. She was interested in the agenda item titled "Meeting Schedule". Melissa Lavigne replied that this agenda item is to announce the next scheduled meeting on December 5, 2013 at 4:00 p.m.

IV. Guest Speaker: Kelly Greer, UF IFAS Extension:

Resident Brett Barner invited guest speaker, Kelly Greer, UF IFAS Extension. Ms. Greer gave an educational presentation to the Advisory Board and residents on the topic of Florida Friendly Landscaping in aquatic environments. Her presentation focused on the following:

- the many benefits of vegetated shorelines and buffers in the littoral zone and the upland, marginal zone to protect our water resources
- the detriment of stormwater runoff, loss of habitat, impaired water quality, and invasive aquatic weeds

- the importance of responsible irrigation practices, as well as responsible fertilizer, pesticide, and herbicide application

Ms. Greer distributed several handouts and provided resources to the meeting attendees. She urged the group to share this knowledge with others in the community. The Advisory Board thanked Ms. Greer for her time and informative presentation.

V. **Environmental Protection Division (EPD) Report:**

Curb Inlet Basket Repairs and Upgrades

Melissa Lavigne distributed a work report to the Advisory Board for the completed Curb Inlet Basket Repair and Upgrade Project. All baskets received identification tags and all curb inlet baskets were fitted with tethers. Other repairs were made as needed, e.g., handles, screens, locks, etc. The total cost of the project was \$7,250.00.

Stormwater Outfall Maintenance

Melissa Lavigne updated the Advisory Board on the Lake Jessamine Outfall Clearing Project. The Stratemeyer Drive Outfall Clearing Project and the Southwest Lobe Outfall Clearing Project are both in progress. Cynthia McCurry asked about the quantity of deposited sediments at the outfall locations. Melissa Lavigne intends to inspect the outfalls after the vegetation is treated and physically removed to determine the need for dredging.

Storm Drain Labeling Project

Melissa Lavigne recognized Brett Barner and his family for organizing a storm drain labeling event on Saturday, October 19, 2013. EPD would like to thank Brett, Trish and Jack Barner, Vice Chairman Geller, Debbie and Paul Goodwin, Cindy McCurry and David Willis for their efforts to protect and improve water quality in Lake Jessamine. The volunteers labeled approximately 100 inlets and distributed over 300 educational brochures to Lake Jessamine residents. Commissioner Pete Clarke sent an email expressing his sincere appreciation to everyone who pitched in and helped with this worthwhile endeavor.

Meeting Schedule

Melissa Lavigne reported that the next Lake Jessamine Water Advisory Board meeting is scheduled for Thursday, December 5, 2013 at 4:00 p.m. at the Cypress Grove Park Cottage. Chairman and Vice Chairman elections will be held during December's meeting.

VI. **Old Business:**

Chairman Powell reiterated that he is speaking with other lake advisory board chairpersons in an effort to change State legislation concerning regulation over waterbodies. He is particularly interested in giving cities or counties the authority to enforce boating speed limits in an effort to protect shorelines.

VII. New Business:

Vice Chairman Geller, Brett Barner and others discussed moving forward with an Advisory Board-supported shoreline vegetation program for lakefront resident. These shoreline improvement projects would be designed to protect and improve the environmental health of Lake Jessamine. One idea is to create an incentive program where residents would be responsible to plan, permit and plant their shorelines, then be reimbursed an established dollar amount. Kelly Greer suggested creating several prototype shorelines, including access corridors, to encourage and inspire other residents.

VIII. Non-Agenda Items:

None

IX. Meeting Adjournment

Chairman Powell adjourned the meeting at 5:18 p.m.



Dr. Neil Powell, Chairman

12-5-13

Date



Minutes Prepared By Melissa Lavigne

12/5/13

Date

**Lake Jessamine Water Advisory Board
Regular Meeting
Cypress Grove Park - Cottage
December 5, 2013**

Board Members Present: Dr. Neil Powell (Chairman), David Geller (Vice Chairman), Carolyn Accola and Cynthia McCurry

Board Members Absent: Judy Martin

Others Present: Melissa Lavigne, Orange County Environmental Protection Division (EPD)

Residents Present: Brett Barner, Deborah Goodwin, Paul Goodwin and Martha Wyatt

I. Meeting Called to Order:

With a quorum present, Chairman Powell called the meeting of the Lake Jessamine Water Advisory Board (Advisory Board) to order at 4:03 p.m.

II. Approval of the November 7, 2013 Meeting Minutes:

Upon a Motion by Vice Chairman Geller, seconded by Cynthia McCurry, and carried with all present members voting AYE by voice vote, with Judy Martin being absent; the Advisory Board approved the November 7, 2013 meeting minutes as presented.

III. Public Comment on Propositions Before the Advisory Board:

Chairman Powell opened the floor for public comment. No public comment.

IV. Environmental Protection Division (EPD) Report:

Stormwater Outfall Maintenance

Melissa Lavigne updated the Advisory Board on the Stratemeyer Drive and Southwest Lobe Outfall Projects. All locations have now been cleared of vegetation. Melissa Lavigne conducted an inspection and assessed the need for dredging. Significant sediment deposition was observed at the Southwest Lobe outfall flowing from Chipola Circle and Wakulla Way. This location is in need of a sandbar removal. Before and after pictures of each outfall location were distributed.

Aquatic Plant Management

Melissa Lavigne reported that Lake Jessamine was surveyed for invasive aquatic plants on November 12 – 18, 2013. Survey results determined that 6.5 acres of *Hydrilla verticillata* will be treated in December. The treatment will be funded by the

Florida Fish and Wildlife Conservation Commission (FWC). Survey and treatment maps were distributed.

Officer Elections

The Chairman of the Lake Jessamine Water Advisory Board, Dr. Neil Powell, officially announced his retirement. The other advisory board members and the meeting attendees thanked Chairman Powell for his many, dedicated years of service to improve the health of the lake and quality of life in the community. In light of Dr. Powell's retirement, the advisory board members chose to delay officer elections until the vacant position is filled. The Vice Chairman, David Geller, will serve as Chairman in the interim.

Upon a Motion by Chairman Powell, seconded by Vice Chairman Geller and carried with all present members voting AYE by voice vote, with Judy Martin being absent; the Advisory Board approved delaying officer elections until the vacancy is filled.

Meeting Schedule

Melissa Lavigne announced that the next meeting is scheduled for Thursday, January 2, 2014 at 4:00 p.m. at the Cypress Grove Park Cottage. Due to the holidays, the Advisory Board decided to move the meeting to the following Thursday, January 9, 2014.

V. Old Business:

Chairman Powell stated that he is travelling to Tallahassee on December 10, 2013 to discuss changing State legislation concerning regulation over waterbodies. He is particularly interested in giving cities or counties the authority to enforce boating speed limits in an effort to protect shorelines and water quality.

VI. New Business:

Vice Chairman Geller, Carolyn Accola, Cynthia McCurry and the attending residents discussed purchasing a retirement gift for Chairman Powell.

Upon a Motion by Vice Chairman Geller, seconded by Cynthia McCurry and carried with Carolyn Accola voting AYE by voice vote, with Chairman Powell abstaining from the vote and Judy Martin being absent; the Advisory Board approved the expenditure of funds, up to \$375.00, for the purchase of a gift of appreciation for Dr. Neil Powell's retirement from the Lake Jessamine Water Advisory Board.

VII. Non-Agenda Items:

An announcement was made that the Lake Jessamine Holiday Boat Parade will take place on Saturday, December 21, 2013.

VIII. Meeting Adjournment

Chairman Powell adjourned the meeting at 4:53 p.m.

David Geller
David Geller, Vice Chairman

1-9-14
Date

Melissa Lavigne
Minutes Prepared By Melissa Lavigne

1/9/14
Date