

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
January 8, 2013**

Board Members Present: Rabon Vause (Chairman), Lisa Smith, Steve Udouj, Micky Blackton, Bobby Lance, and Ohilda Washburn

Board Members Absent: Cheryl Leonard (Vice Chairman)

Staff & Guests: Brian Catanzaro, Orange County Environmental Protection Division (EPD)
Kevin Behan, Orange County District 3 Commissioner Senior Aide

Residents: Michael Sowinski and James Sowinski

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the December 11, 2012 Meeting Minutes:

Upon a motion by Steve Udouj, seconded by Bobby Lance, and carried with all present members voting AYE by voice vote, with Cheryl Leonard being absent; the Advisory Board approved the December 11, 2012 meeting minutes as presented.

III. Chairman's Comments:

Chairman Vause welcomed Kevin Behan and Life Scout James Sowinski to the meeting.

IV. Old Business:

1) Eagle Scout Project:

Mr. Sowinski gave a presentation that provided an overview of his planned Eagle Scout Project to install Wood Duck nesting boxes in various locations on Lake Conway. He noted that he is in the process of making preparations and hopes to have the nesting boxes installed later this spring.

2) Baffle Boxes:

Brian Catanzaro stated that he meet with the Orange County Engineering Division to review the project and select an Engineering Consultant. He anticipated that he would have the scope of work for a feasibility study available by the next Advisory Board Meeting.

3) Ski Course:

Mr. Catanzaro stated that the owner of the un-permitted ski course has implied that he would like to apply for a permit for the ski course. Mr. Catanzaro asked the Advisory Board if they had an opinion on the ski course. The Advisory Board felt that the ski course could remain as long as it was moved out into water deeper than 10 feet to minimize the impact of boat wakes.

4) Lisa Waterway:

Mr. Catanzaro stated that he has spoken with the manufacturer of Sungates. He has requested a quote for the purchase of two isolation gates for the Lisa Waterway CDS structure. He noted that he would like to have the replacement gates installed this spring before the rainy season starts. He estimated that the cost to purchase and install the gates may be up to \$15,000.

Upon a motion by Bobby Lance, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Cheryl Leonard being absent; the Advisory Board approved a cost of up to \$15,000 for the purchase and installation of the replacement gates for the Lisa Waterway CDS Structure.

5) Pioneer Days:

Bobby Lance noted that the Pinecastle Pioneer Days festival is scheduled for February 23 and 24, 2013. The Advisory Board noted that if it was not too late that they would like to have a booth at the festival again this year. They also noted that they would like to have the Sheriff's Office Boating Safety Trailer on site as well. Mr. Catanzaro stated that he would submit the booth application on behalf of the Advisory Board and the Lake Conway Patrol.

V. New Business:

1) EPD Code Update:

Mr. Catanzaro stated that some changes are being proposed for the Comprehensive Plan. He noted that the Advisory Board's contact information has been given to Alan Marshall with EPD. Mr. Marshall will be contacting them regarding the opportunity to provide input on the proposed changes.

2) EPD Permitting:

Mr. Catanzaro stated EPD permits are posted on the County's website. He provided a link to the web page for the Advisory Board to review the permits for Lake Conway.

VI. Marine Patrol:

Mr. Catanzaro presented the annual report for the Lake Conway Patrol. Bobby Lance noted that it was evident by the statistics that the Patrol was out on the lake primarily for safety reasons as the majority of the boating contacts were for safety inspections and not for enforcement issues.

VII. Advisory Board Report:

Chairman Vause gave a presentation on the history of the Lake Conway Advisory Board. He also provided an overview of issues that the Advisory Board works with so that the Commissioner's Office was more familiar with the topics discussed at the regular meetings.

VIII. Non-Agenda Items:

Mr. Catanzaro stated that Lisa Smith was the only Advisory Board Member to attend all of the regularly scheduled board meetings last year. He presented her with a Natural Resource Management pin to recognize her effort.

IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:45 p.m.



Robon Vause, Chairman



Date



Minutes prepared by Brian Catanzaro



Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
February 12, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman) Steve Udouj, Bobby Lance

Board Members Absent: Lisa Smith, Micky Blackton, and Ohilda Washburn

Staff & Guests: Brian Catanzaro, Orange County Environmental Protection Division (EPD)

Residents: David Woods, Craig Heringhaus, Dave Grant, and Eric Lindbourg

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the January 8, 2013 Meeting Minutes:

Upon a motion by Bobby Lance, seconded by Steve Udouj, and carried with all present members voting AYE by voice vote, with Lisa Smith, Micky Blackton, and Ohilda Washburn being absent; the Advisory Board approved the January 8, 2013 minutes as presented.

III. Chairman's Comments:

Chairman Vause noted that the new District 3 County Commissioner Pete Clarke seems to be very interested in the Lake Conway Advisory Board and has already been quite involved in their projects.

IV. Old Business:

1) Eagle Scout Project:

Brian Catanzaro stated that as a result of an enforcement case on Lake Conway the Orange County Board of County Commissioners has stipulated that the administrative penalty for working without a permit in the amount of \$500.00 be donated to the Lake Conway Water and Navigation Control District to assist in the purchase of materials for James Sowinski's Eagle Scout Project to install Wood Duck nesting boxes on Lake Conway.

2) Baffle Boxes:

Brian Catanzaro stated that he has received a fee proposal to begin the engineering phase for investigating the feasibility of installing three baffle boxes on Lake Conway. He noted that the fee was \$48,802.17.

Upon a motion by Cheryl Leonard, seconded by Steve Udouj, and carried with all present members voting AYE by voice vote, with Lisa Smith, Micky Blackton, and Ohilda Washburn being absent; the Advisory Board approved the cost of up to \$50,000 to begin the engineering phase of installing three baffle boxes.

3) Ski Course:

Mr. Catanzaro stated that the un-permitted ski course has been removed.

4) Lisa Waterway:

Mr. Catanzaro stated that he has submitted a sole-source purchase order request to have Suntree Technologies install the Sungate Damper System on the Lisa Waterway CDS structure.

5) Pioneer Days:

Mr. Catanzaro stated that Advisory Board has been assigned Booth Number 16 for the Pine Castle Pioneer Days Festival. In addition, the Orange County Sheriff's Office will have their boating safety trailer at the Festival.

V. New Business:

1) Wake Surfing:

Chairman Vause presented a short video on a new boat that is now available for wake surfing. He noted that the large wake produced by the new boat has the potential to create significant environmental impact. The Advisory Board agreed that something should be done to limit the use of these types of vessels in areas that could be damaged by the boating activities.

2) Grass Carp Stocking:

Mr. Catanzaro stated the Florida Fish and Wildlife Conservation Commission (FFWCC) has recently stocked an additional 200 grass carp in Lake Conway near the Randolph Boat Ramp.

3) Hydrilla Treatment:

Mr. Catanzaro stated that the FFWCC will be treating about 30 acres of hydrilla in Lake Conway in the next few months. The treatment has not been scheduled yet but he anticipated that it would occur in the next few months.

VI. Marine Patrol:

Mr. Catanzaro noted that due to the recent cold weather the boating activity on the lake has been slow.

VII. Advisory Board Report:

Bobby Lance commented that he recently saw past Chairman Larry Meddock and noted that he is doing well.

VIII. Non-Agenda Items:

1) Barbie Willoughby Canal:

Several residents in attendance stated that they felt the Barbie Willoughby Canal needed to be dredged. Mr. Catanzaro stated that the lake is currently two feet below the normal high water line and that navigation in most of the canals will be difficult until the lake level rises. Bobby Lance stated that when the canal was previously dredged the contractor dug down to hardpan

and was unable to dig any further. It may be possible that the canal cannot be dredged any deeper than it currently is. David Woods referenced a previous study of canal depths and stated that further investigation would be needed to determine the depth of the hardpan to see if the canal could be dredged deeper.

Bobby Lance moved to approve the cost of up to \$1,500 to investigate the depth of the hardpan in the Barbie Willoughby Canal. The motion had no second and failed.

After further discussion the Advisory Board requested a copy of the as-built survey, from Orange County, for the previous dredging project. The residents also requested a copy of the survey required for the dredge and fill violation located at 3514 Country Lakes Drive. Mr. Catanzaro stated that he would attempt to locate the documents.

2) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

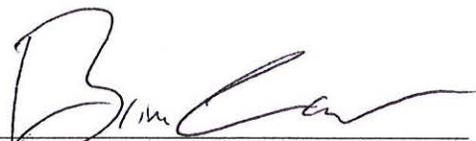
IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 8:00 p.m.



Rabon Vause, Chairman

March 12, 2013
Date



Minutes prepared by Brian Catanzaro

3/12/13
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
March 12, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman), Ohilda Washburn, Lisa Smith, Micky Blackton, Bobby Lance, and Steve Udouj

Board Members Absent: None

Staff & Guests: Brian Catanzaro, Orange County Environmental Protection Division (EPD)
Dan Homblette, Orange County Environmental Protection Division (EPD)
Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the February 12, 2013 Meeting Minutes:

Upon a motion by Bobby Lance, seconded by Cheryl Leonard, and carried with all present members voting AYE by voice vote, with Micky Blackton being absent; the Advisory Board approved the February 12, 2013 minutes as presented.

III. Chairman's Comments:

Chairman Vause noted that while at the Pioneer Day event, he was informed that Winter Park requires their citizens to bring their property up to current standards when pulling a permit. Chairman Vause also noted that while at a Belle Isle community meeting District 3 County Commissioner Pete Clarke expressed his support for the Lake Conway Advisory Board.

Note: Micky Blackton entered the meeting at 6:41 p.m.

IV. Old Business:

1) Barby Willoughby Canal:

Brian Catanzaro stated that there is no as-built survey available, from Orange County, for the former Barby Willoughby Canal dredging project. Mr. Catanzaro handed out the survey produced from the dredge and fill violation at 3514 Country Lakes Drive that indicated bottom elevations. The Advisory Board noted that the Barby Willoughby Canal did not need to be dredged. David Woods indicated that further investigation is still required to determine the actual depth of the hardpan, if needed.

2) Baffle Boxes:

Mr. Catanzaro stated that Orange County Public Works Engineering is continuing to develop the scope of services and fee proposal for the contractor to produce construction plans. Mr. Catanzaro stated that the baffle boxes could be installed in the existing easement or right-of-way.

3) Hydrilla Treatment:

Mr. Catanzaro reported that the Florida Fish and Wildlife Conservation Commission (FFWCC) treated approximately 30 acres of hydrilla. Ryan Patrick stated the treatment occurred on March 5, 2013 and was conducted by FFWCC's contractor, Clean Lakes Inc., which utilizes treatment technology and methods that are currently being researched.

4) Lisa Waterway CDS Gates:

Mr. Catanzaro stated that Suntime Technologies is fabricating the Sungate Damper System and it should be installed in less than a month on the Lisa Waterway CDS structure.

5) Pioneer Days:

Chairman Vause stated that Pine Castle Pioneer Days Festival was a success with approximately 5,000 people in attendance on Saturday and 3-4,000 people in attendance on Sunday. The Advisory Board stated that the Orange County Sheriff's Office had their boating safety trailer at the Festival.

V. New Business:

1) Water Quality Review:

Mr. Catanzaro stated that the last study on Lake Gatlin was performed in 2010 and it would be helpful to have a nutrient analysis and thermal stratification study performed.

2) Curb Inlet Baskets:

Mr. Catanzaro stated the curb inlet basket contract should be in place at the end of March 2013 and additional baskets could be installed at that time.

VI. Marine Patrol:

Mr. Catanzaro noted that due to the recent cold weather the boating activity on the lake has been slow.

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:40 p.m.



Rabon Vause, Chairman

April 9, 2013
Date



Minutes prepared by Ryan Patrick

4/9/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
April 9, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman),
Lisa Smith, Micky Blackton, Bobby Lance, and Steve Udouj

Board Members Absent: Ohilda Washburn

Staff & Guests: Dan Homblette, Orange County Environmental Protection Division (EPD)
Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:30 p.m.

II. Approval of the March 12, 2013 Meeting Minutes:

Upon a motion by Micky Blackton, seconded by Bobby Lance, and carried with all present members voting AYE by voice vote, with Steve Udouj and Ohilda Washburn being absent; the Advisory Board approved the March 12, 2013 minutes as presented.

Note: Steve Udouj entered the meeting at 6:31 p.m.

III. Chairman's Comments:

Chairman Vause noted that the Advisory Board wishes a farewell to former Orange County EPD employee Brian Catanzaro and welcomes Ryan Patrick.

IV. Old Business:

1) Baffle Boxes:

Dan Homblette stated that Orange County Public Works Engineering has selected the consultant and approved the scope for the feasibility study and the preparation of construction plans. Mr. Homblette provided background information concerning the function and importance of baffle boxes in this situation.

2) Hydrilla Treatment:

Ryan Patrick stated that the Florida Fish and Wildlife Conservation Commission (FFWCC) is continuing to monitor the 30 acres of *Hydrilla* treated by FFWCC's contractor, Clean Lakes Inc., on March 5, 2013. Mr. Patrick explained that many of the canals would be treated within the next month.

3) Lisa Waterway CDS Gates:

Mr. Patrick stated that Suntree Technologies has fabricated and installed the Sungate Damper System on the Lisa Waterway CDS structure. Mr. Patrick explained that a demonstration was scheduled later that week with Suntree and the cleaning contractor, Altair Environmental Group. Mr. Patrick noted the cost of the retrofit was approximately \$14,100. Mr. Homblette provided a background as to the function of the CDS unit. Micky Blackton inquired about the cost of the design and engineering plans for the CDS structure retrofit.

4) Wood Duck Boxes:

Mr. Patrick stated that the Eagle Scout project to build wood duck nesting boxes is making progress, as all the necessary supplies were being acquired.

V. New Business:

1) Water Quality Review:

Mr. Patrick stated that the last study on Lake Gatlin was performed in 2010, and he would begin investigating further information on Lake Gatlin.

2) Curb Inlet Baskets:

Mr. Patrick stated the curb inlet basket contract is now in place and the contractor would begin measuring and evaluating areas so that additional baskets could be installed. Bobby Lance stated his interest in evaluating areas around the south lobe for inlet baskets and street sweeping. Mr. Homblette noted that this area would be brought up in the upcoming meeting with the City of Belle Isle.

3) Weather Damage:

Mr. Patrick stated that approximately \$4,000 was expended for navigational cleanup following the severe weather on March 24, 2013.

4) Street Sweeping:

Mr. Homblette stated that a hydraulic fluid spill was immediately cleaned up along Oak Lynn Drive in the City of Edgewood from the street sweeping contractor, USA Services. No material made it into an inlet or the lake. Mr. Homblette noted that upon inspection there was no damage to the structural integrity of the asphalt observed.

VI. Marine Patrol:

The Advisory Board discussed the speeding of boats related to the Wednesday night fishing tournament.

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:12 p.m.



Rabon Vause, Chairman

May 14, 2013
Date



Minutes prepared by Ryan Patrick

5/14/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
May 14, 2013**

Board Members Present: Rabon Vause (Chairman), Ohilda Washburn, Lisa Smith, Micky Blackton, Bobby Lance, and Steve Udouj

Board Members Absent: Cheryl Leonard (Vice Chairman)

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods, Matt Morrison

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the April 9, 2013 Meeting Minutes:

Upon a motion by Micky Blackton, seconded by Bobby Lance, and carried with all present members voting AYE by voice vote, with Cheryl Leonard being absent; the Advisory Board approved the April 9, 2013 minutes as presented.

III. Chairman's Comments:

No comments.

IV. Old Business:

1) Baffle Boxes:

Ryan Patrick stated that Orange County EPD is working with state legislators to use grant funds remaining from the Florida Department of Environmental Protection (FDEP) Mary Jess Stormwater Improvement Project towards the Lake Conway baffle box project. Mr. Patrick explained that approximately \$140,000 would be eligible, if matched and used for construction costs.

2) Hydrilla Treatment:

Mr. Patrick presented a treatment map handout showing the *Hydrilla* treatments in April 2013 conducted by Orange County EPD in cooperation with the Florida Fish and Wildlife Conservation Commission (FFWCC) throughout the Conway Chain. Mr. Patrick explained that the control of up to five acres of *Lyngbya* (algae) were added to the new FFWCC and Orange County EPD work assignment for treatments in the lake starting in July 2013. Mr. Patrick noted that he has been in contact with herbicide manufacturers and Dr. Rodgers of Clemson University to devise an herbicide treatment plan for the *Lyngbya* in the lake and canals.

3) Lisa Waterway CDS Gates:

Mr. Patrick stated that the cost of engineering for the Sungate Damper System on the Lisa Waterway CDS structure was \$4,400.

4) Wood Duck Boxes:

Mr. Patrick stated that all supplies have been delivered and the funding has been exhausted for the Eagle Scout project to build wood duck nesting boxes.

V. New Business:

1) Water Quality Review:

Mr. Patrick stated that he was currently reviewing the study for Lake Jennie Jewel that connects to Lake Gatlin, and he would begin investigating further information on Lake Gatlin. Micky Blackton noted that there had been federal funds allocated at one time for water quality efforts on Lake Gatlin.

2) Curb Inlet Baskets:

Mr. Patrick stated the contractor was nearly done measuring and evaluating the currently designated area so that additional baskets could be installed. Mr. Patrick explained that certain criteria for the current potential 110 inlet filters must be met to make sure a worthwhile debris volume and in order to avoid potential flooding issues, which as of now only half (55) would meet this criteria. Mr. Patrick noted that cost for monthly cleaning of each curb inlet basket is approximately \$12 and new installations for each curb inlet basket is approximately \$1,000.

Upon a motion by Micky Blackton, seconded by Steve Udouj, and carried with all present members voting AYE by voice vote, with Cheryl Leonard being absent; the Advisory Board approved \$55,000 for installation of the curb inlet baskets.

3) Lisa Waterway CDS Cleaning:

Mr. Patrick stated that it would be beneficial to increase the cleaning frequency of the Lisa Waterway CDS unit and the other two Lake Conway CDS units from biannually to quarterly. Mr. Patrick explained that historically the units have been completely full when the cleaning has occurred on a biannual basis. Mr. Patrick presented pictures of the CDS units. Mr. Patrick noted that doubling the cleaning frequency would require to increase the contract to \$23,000.

Upon a motion by Bobby Lance, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Cheryl Leonard being absent; the Advisory Board approved an expenditure of up to \$23,000 for the cleaning of the CDS units, if the cleaning is deemed necessary by inspection before a cleaning event occurs. A resolution to expend funds was signed.

VI. Marine Patrol:

The Advisory Board discussed the large amounts of jet skis launching at the Randolph ramp.

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

2) Florida Lake Management Society Conference:

Mr. Patrick requested that the Advisory Board financially support up to \$500 for his attendance to Florida Lake Management Society Technical Symposium being held from June 18 to June 20, 2013.

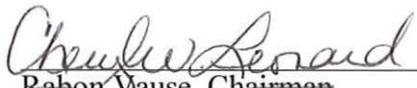
Upon a motion by Lisa Smith, seconded by Ohilda Washburn, and carried with all present members voting AYE by voice vote, with Cheryl Leonard being absent; the Advisory Board approved \$500 for Ryan Patrick's attendance to Florida Lake Management Society Technical Symposium.

2) Public Records Training:

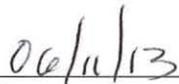
Mr. Patrick noted that mandatory Public Records and Communications Training for Advisory Board members would be coming up in the near future.

IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:27 p.m.



Rabon Vause, Chairman
Cheryl W. Leonard, Vice Chair



Date



Minutes prepared by Ryan Patrick



Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
June 11, 2013**

Board Members Present: Cheryl Leonard (Vice Chairman), Lisa Smith, Micky Blackton, and Bobby Lance

Board Members Absent: Rabon Vause (Chairman), Ohilda Washburn, and Steve Udouj

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods, Campbell Ellis, Faye Young, Mack Young, Mindy Onderick, and Joe Onderick

I. Call to Order:

With a quorum present, Vice Chairman Leonard called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the May 14, 2013 Meeting Minutes:

Upon a motion by Bobby Lance, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Rabon Vause, Ohilda Washburn, and Steve Udouj being absent; the Advisory Board approved the May 14, 2013 minutes as presented.

III. Chairman's Comments:

No comments.

IV. Old Business:

1) Baffle Boxes:

Ryan Patrick stated that Orange County EPD successfully worked with state legislators to use grant funds remaining from the Florida Department of Environmental Protection (FDEP) Mary Jess Stormwater Improvement Project towards the Lake Conway baffle box project. Mr. Patrick explained that approximately \$140,000 is eligible, if matched and used for construction costs.

2) Curb Inlet Baskets:

Mr. Patrick stated the contractor was done measuring and evaluating the currently designated area so that additional baskets could be installed. Mr. Patrick explained that final critiques were being made to establish criteria for the current potential inlet filters to make sure a worthwhile debris volume is achieved and in order to avoid potential flooding issues.

V. New Business:

1) Water Quality Review:

Mr. Patrick stated that he finished reviewing the study for Lake Jennie Jewel that connects to Lake Gatlin, and he would begin investigating further information on Lake Gatlin. Mr. Patrick explained that there are a number of recommended management options for Lake Jennie Jewel, but there is currently no funding to complete such tasks.

2) Cullen Lake Shore Drive Drainage Issue:

Mr. Patrick stated that a meeting on May 16, 2013 was held between Orange County, City of Belle Isle, and residents of the homeowner's association at 3121 Cullen Lake Shore Drive located in the City of Belle Isle to discuss a drainage issue. Mr. Patrick noted that Chairman Vause planned on attending the meeting, but was unable to make it. Mr. Patrick explained that if modifications were made to the existing stormwater infrastructure then a potential water quality improvement structure could be an option.

3) *Lyngbya* (algae) Treatment:

Mr. Patrick explained that the control of up to five acres of *Lyngbya* (algae) were added to the new Florida Fish and Wildlife Conservation Commission (FWCC) and Orange County EPD work assignment for treatments in the lake starting in July 2013. Mr. Patrick noted that he has been in contact with herbicide manufacturers and Dr. Rodgers of Clemson University to devise an herbicide treatment plan for the *Lyngbya* in the lake and canals. Mr. Patrick stated that algae samples were sent for testing to Clemson University to determine the best treatment methods. Mr. Patrick notified residents that new treatment methods were being used as per the herbicide manufacturer's recommendations until the algae test results are complete.

VI. Marine Patrol:

Mr. Patrick noted a personal watercraft caught fire just south of the Hoffner Bridge on May 27, 2013.

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Lake Level:

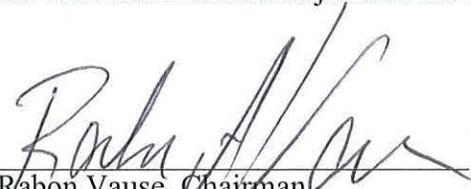
Mr. Woods presented a handout on the current and historic lake levels.

2) Recent Events:

Bobby Lance noted the lake clean up event that occurred on June 8, 2013 and the upcoming Wipeout event on July 13, 2013.

IX. Meeting Adjournment:

Vice Chairman Leonard adjourned the meeting at 7:22 p.m.


Rabon Vause, Chairman

July 9, 2013
Date


Minutes prepared by Ryan Patrick

7/9/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
July 9, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman), Ohilda Washburn, Lisa Smith, Micky Blackton, Bobby Lance, and Steve Udouj

Board Members Absent: None

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods, Campbell Ellis, Faye Young, Mack Young, Mindy Onderick, Matt Morrison, and Buck Mosely

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

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

Upon a motion by Vice Chairman Leonard, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote; the Advisory Board approved the June 11, 2013 minutes as presented.

III. Chairman's Comments:

Chairman Vause commented on the upcoming Wipeout event on Saturday, July 13, 2013 occurring on the flats in the middle lobe.

IV. Old Business:

1) Baffle Boxes:

Ryan Patrick stated that the schedule for the baffle box project is as follows: Feasibility Study May 2013 - November 2013, Design December 2013 - May 2014, Bidding Process May 2014 - August 2014, and Construction September 2014 - August 2015.

2) Curb Inlet Baskets:

Mr. Patrick explained that final critiques have been made to establish criteria for the current potential inlet filters to make sure a worthwhile debris volume is achieved and in order to avoid potential flooding issues. Mr. Patrick noted that a new tether and tagging system will be used to inventory each of the baskets and their respective location. Mr. Patrick stated that existing basket locations will also be updated with tethers and tags.

3) Water Quality Review:

Mr. Patrick stated that he would begin investigating further information on Lake Gatlin.

4) *Lyngbya* (algae) Treatment:

Mr. Patrick explained that the control of up to five acres of *Lyngbya* (algae) were added to the new Florida Fish and Wildlife Conservation Commission (FFWCC) and Orange County EPD work assignment for treatments in the lake starting in July 2013. Mr. Patrick noted that he has been in contact with herbicide manufacturers and Dr. Rodgers of Clemson University to devise an herbicide treatment plan for the *Lyngbya* in the lake and canals. Mr. Patrick stated that algae samples were sent for testing to Clemson University to determine the best treatment methods. Mr. Patrick notified residents that new treatment methods were being used as per the herbicide manufacturer's recommendations until the algae test results are complete. Mr. Ellis requested that the Advisory Board approve funding to manually skim the algae in the two finger canals adjacent to Bayfront Parkway and Overlake Avenue, but after discussion there would be no action taken at this time. On a related aquatic plant management note, Mr. Patrick handed out two maps showing the before and after presence of *Hydrilla* from the new treatment method used by FFWCC's contractor, Clean Lakes Inc. in March 2013.

V. New Business:

1) Cullen Lake Shore Drive Drainage Issue:

Mr. Patrick stated that a meeting on May 16, 2013 was held between Orange County, City of Belle Isle, and residents of the homeowner's association at 3121 Cullen Lake Shore Drive located in the City of Belle Isle to discuss a drainage issue. Mr. Patrick noted that Chairman Vause planned on attending the meeting, but was unable to make it. Mr. Patrick explained that if modifications were made to the existing stormwater infrastructure then a potential water quality improvement structure could be an option.

VI. Marine Patrol:

Advisory Board Member Lisa Smith expressed a concern about Marine Patrol vessel operation.

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:28 p.m.



Rabon Vause, Chairman

August 13, 2013
Date



Minutes prepared by Ryan Patrick

8/13/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
August 13, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman), Ohilda Washburn, Micky Blackton, Bobby Lance, and Steve Udouj

Board Members Absent: Lisa Smith

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods, Campbell Ellis, Faye Young, Mack Young, Joe Onderick, Matt Morrison, David Moe, Jim Sacco, Anita Sacco and Jim Engersoll

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:30 p.m.

II. Approval of the July 9, 2013 Meeting Minutes:

Upon a motion by Bobby Lance, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Lisa Smith being absent; the Advisory Board approved the July 9, 2013 minutes as presented.

III. Chairman's Comments:

The Advisory Board discussed the recent Wipeout event on Saturday, July 13, 2013 that occurred on the flats in the middle lobe. Bobby Lance noted that there were emergency personnel present and video was taken using a kite and GoPro camera from a bird's eye view of the event.

IV. Old Business:

1) Baffle Boxes:

Ryan Patrick stated that the feasibility study continues and drainage issues and necessary easements are being researched.

2) Curb Inlet Baskets:

Mr. Patrick explained that the purchase orders have been issued for the installation of 37 new curb inlet baskets and repair of the existing inlet baskets. The Advisory Board requested that Mr. Patrick investigate the options and costs for labeling storm drains.

3) *Lyngbya* (algae) Treatment:

Mr. Patrick explained that the algae test results have been received from Dr. Rodgers of Clemson University. The test recommends Phycomycin SCP for the treatment of *Lyngbya* spp. in the dead-end finger canals. Mr. Patrick noted that a purchase request has been submitted for the Phycomycin SCP. Mr. Patrick added that Florida Fish and Wildlife Conservation Commission (FWC) will reimburse for treatments in the cove outside of the canals, but the canals which are not eligible for funding will be treated at the same time.

V. New Business:

1) Cullen Lake Shore Drive Drainage Issue:

Resident Jim Sacco explained that a meeting on May 16, 2013 was held between Orange County, City of Belle Isle, and residents of the homeowner's association at 3121 Cullen Lake Shore Drive located in the City of Belle Isle to discuss a drainage issue. Mr. Sacco noted that the stormwater pipe needs to be modified and that the installation of a baffle box could be installed to treat the stormwater coming through the pipe. Advisory Board members Ohilda Washburn and Mr. Lance commented that the City of Belle Isle collects a tax for such projects. Mr. Patrick recommended that if modifications were made to the existing stormwater infrastructure then a potential water quality improvement structure could be an option, but a feasibility study would be able to determine this once the pipe was corrected.

VI. Marine Patrol:

Discussion of details of the recent Wipeout event continued. Resident Anita Sacco mentioned that emergency personnel responded to multiple incidents including an inebriated individual and a laceration from a propeller. Mrs. Sacco stated that City of Belle Isle hired a contractor to perform water quality analysis of the water before and after the Wipeout event, *E. coli* counts increased. Mr. Lance noted that the elevated *E. coli* levels did not exceed the criteria limits. The Advisory Board and residents discussed that a permit was pulled for the Wipeout event and that the church next to the Hoffner boat ramp was charging for trailer parking. Mr. Patrick mentioned that remaining funds from Marine Patrol Officer Clarke were transferred to Officer Popp.

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Lake Level:

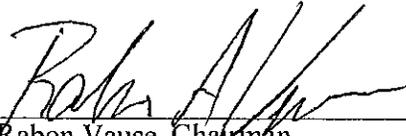
Mr. Woods presented a handout on the current and historic lake levels.

2) Backacre Canal

Resident David Moe submitted petitions to Mr. Patrick from seven residents of the Backacre Canal requesting that the canal be dredged and measures put in place to prevent future erosion at the mouth of the canal. Mr. Moe explained that he has recently been in communication with Orange County Attorney Tony Cotter. Mr. Moe noted that since a contractor would perform the dredging that a Hold Harmless Agreement is not needed from all parties, due to the contractor having sufficient insurance to cover any damages. The Advisory Board requested that Mr. Patrick contact the Orange County Attorney's Office and provide information on potential options for the Backacre Canal.

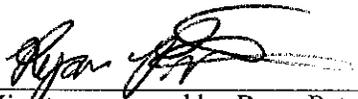
IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:32 p.m.



Rabon Vause, Chairman

September 10, 2013
Date



Minutes prepared by Ryan Patrick

9/10/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
September 10, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman), Lisa Smith, Bobby Lance, and Steve Udouj

Board Members Absent: Ohilda Washburn, Micky Blackton

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)
Liz Johnson, Orange County Environmental Protection Division (EPD)
Ed Harris, Florida Fish & Wildlife Conservation Commission (FWC)
Keith Severns, City of Belle Isle

Residents: David Woods, Dan O'Loane, Mack Young, Mindy Onderick, Joe Onderick, David Moe, Jim Sacco, Anita Sacco and Jim Engersoll

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:30 p.m.

II. Approval of the August 13, 2013 Meeting Minutes:

Upon a motion by Cheryl Leonard, seconded by Bobby Lance, and carried with all present members voting AYE by voice vote, with Ohilda Washburn and Micky Blackton being absent; the Advisory Board approved the August 13, 2013 minutes as presented.

III. Chairman's Comments:

Chairman Vause commented that the Conway Chain is looking excellent and clean. Bobby Lance mentioned that management of torpedo grass and other vegetation should be done in a responsible manner by lakefront homeowners.

IV. Old Business:

1) Baffle Boxes:

Ryan Patrick stated that he has received the draft version of the feasibility study and it is currently being commented on by EPD and Public Works. Mr. Patrick commented that EPD did not see any necessary changes. Mr. Patrick mentioned that out of the three proposed baffle boxes, the report stated that only one is recommended, based on an evaluation of lake levels and storm pipe conditions in the neighborhoods. For two of the proposed baffle boxes, they would have to be located too far landward in the drainage basin to avoid surcharged conditions in the pipes and would therefore not be cost-effective for reducing nutrients. Mr. Patrick presented a map of the potential baffle box locations from the draft feasibility study. Mr. Patrick explained that Baffle Box A located in Shenandoah Park has an approximate construction cost of \$185,000. Baffle Box B located in Lake Conway Woods is not recommended due to negligible nutrient reduction it would provide, and Baffle Box C located

in Lake Conway woods is not recommended due to reduced nutrient reduction and approximately \$450,000 in costs for the construction, including downstream pipe improvements required to reduce flooding that would be exacerbated by the installation of the baffle box.

2) Curb Inlet Baskets:

Mr. Patrick reported that the installation of 37 new curb inlet baskets was scheduled to be completed September 10, 2013 and ID tagging/repair of the existing inlet baskets was scheduled to be completed by the week of September 16, 2013.

3) *Lyngbya* (algae) Treatment:

Mr. Patrick stated that the application of Phycomycin SCP for the treatment of *Lyngbya spp.* in the dead-end finger canals is scheduled for Monday, September 16, 2013. Mr. Patrick noted that one more application using Cutrine Ultra as per the herbicide manufacturer's recommendations is scheduled for Wednesday, September 11, 2013. Mr. Patrick added that Florida Fish and Wildlife Conservation Commission (FWC) will reimburse for treatments in the cove outside of the canals, but the canals, which are not eligible for funding, will be treated at the same time. Mr. Lance commented that at a lake up north harvesters are used for controlling vegetation in similar situations. Mr. Patrick mentioned that resident Joe Onderick had put him in contact with Dennis Lapin who uses oxygenated water to solve aquatic issues.

V. New Business:

1) Annual Approval of Routine Services:

Mr. Patrick stated that the new fiscal year for Orange County starts October 1, 2013 and new purchase/delivery orders must be issued in order for routine services including street sweeping, curb inlet basket cleaning, CDS unit cleaning, gate keeping, aquatic restoration and management services, and marine patrol to be accomplished.

Upon a motion by Bobby Lance, seconded by Steve Udouj, and carried with all present members voting AYE by voice vote, with Ohilda Washburn and Micky Blackton being absent; the Advisory Board approved \$180,000 for routine services.

2) Backacre Canal:

Mr. Patrick stated that nothing has changed since the item was brought to Orange County Senior Staff. Mr. Patrick explained that since the Advisory Board is part of Orange County it is required that all involved parties sign a Hold Harmless Agreement. Mr. Patrick noted that the residents of the Backacre canal can either conduct their own project with their own funding so that the County and Advisory Board have no involvement or the residents persuade their Commissioner to bring it in front of the Board of County Commissioners (BCC) for consideration.

3) Rosewood Drive/Poe Street Sedimentation Issue:

Dan O'Loane presented a video to the Advisory Board showing the stormwater drainage and pipe that comes from the six houses on the private Rosewood Drive located off of Poe Avenue and flows into Little Lake Conway. The Advisory Board noted their concerns with raw untreated stormwater flowing into the lake and possible solutions including installing a baffle box. The Advisory Board advised Mr. O'Loane that he and the other residents speak to their Commissioner to change Rosewood Drive from a private road to a County road. The Advisory Board asked Mr. Patrick to inspect the drainage system and erosion buildup, to provide further information.

VI. Marine Patrol:

Mr. Patrick stated that Labor Day Weekend was not included in the marine patrol detail. Mr. Patrick noted that he received a report that there was fuel spilled by a sunken vessel that was docked in the Windward On Lake Conway Condominium cove, but City of Belle Isle contained the spill and reported it to the Environmental Protection Agency (EPA).

VII. Advisory Board Report:

No report.

VIII. Non-Agenda Items:

1) Miscellaneous:

Bobby Lance noted that the no wake buoy located on the big lobe when entering the Venetian area was impeding traffic. Mr. Lance added that Mr. Larkin would like the ski course located in the south lobe to be moved another 50 feet off the shoreline to decrease shoreline erosion. Mr. Patrick stated that he would investigate both items and report back to the Advisory Board.

2) Controlling Wake Size:

Chairman Vause stated that he had received communication from Dr. Powell from the Lake Jessamine Advisory Board concerning the authority to control the size of wakes put out by boats. Chairman Vause added that a petition would be mailed to him and would eventually be taken to the State.

3) Cullen Lake Shore Drive Drainage Issue:

Resident Jim Sacco explained that he asked Keith Severns from the City of Belle Isle to come speak to the Advisory Board concerning the drainage issue at 3121 Cullen Lake Shore Drive located in the City of Belle Isle. David Woods stated that the ramp is far too short during low water and changes to the design could be made. The Advisory Board stated that a feasibility study to determine the potential for a baffle box would be necessary. Mr. Severns stated that a feasibility study by the city of Belle Isle engineers would be possible and further coordination with Orange County will occur.

4) Lake Level:

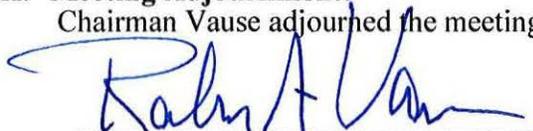
Mr. Woods presented a handout on the current and historic lake levels.

5) FWC:

Mr. Patrick introduced regional biologist Ed Harris from the invasive plant management section. Mr. Harris commented on the upcoming *Lyngbya spp.* treatment and torpedo grass removal.

IX. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:59 p.m.



Rabon Vause, Chairman

October 8, 2013
Date



Minutes prepared by Ryan Patrick

10/8/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
October 8, 2013**

Board Members Present: Rabon Vause (Chairman), Cheryl Leonard (Vice Chairman), Ohilda Washburn, Lisa Smith, Micky Blackton, Bobby Lance, and Steve Udouj

Board Members Absent: None

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)
Commissioner Pete Clarke, Orange County Board of County Commissioners (BCC)

Residents: David Woods, Faye Young, Mack Young, Mindy Onderick, Joe Onderick, Gary Ellis, Jan Ellis, Mr. Lewis, and Mrs. Lewis

I. Call to Order:

With a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the September 10, 2013 Meeting Minutes:

Upon a motion by Cheryl Leonard, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote; the Advisory Board approved the September 10, 2013 minutes as presented.

III. Public Comment on Propositions Before the Advisory Board

Chairman Vause read the Public Comment statement and asked if there were any comments from the floor. Ryan Patrick explained the new policy and the speaker's form. Hearing no requests, the Public Comment period was closed.

IV. Chairman's Comments:

Chairman Vause commented that he appreciates Commissioner Clarke attending the meeting. Commissioner Clarke stated that it was a pleasure to attend the meeting and how great the Advisory Board is. Commissioner Clarke reported that Capital Improvement Project (CIP) funds will be used to provide alum aeration in the retention pond that flows into Lake Anderson and that water is pumped approximately five times a year into Lake Conway from Lake Anderson to control water elevation. Commissioner Clarke explained that the Lake Anderson Advisory Board members were appointed on that day.

V. Old Business:

1) Baffle Boxes:

Mr. Patrick stated that Public Works Engineering provided comments to modify the feasibility study that is expected to be completed late October by the contractor. Mr. Patrick explained that a field visit with Public Works Engineering and the contractor was scheduled for later that week.

2) *Lyngbya* (algae) Treatment:

Mr. Patrick stated that the application of Phycomycin SCP for the treatment of *Lyngbya spp.* in the dead-end finger canals and adjacent cove occurred on Monday, September 16, 2013. Mr. Patrick added that the Florida Fish and Wildlife Conservation Commission (FWC) will reimburse for treatments in the cove outside of the canals, but not the canals, which are not eligible for funding. Mr. Patrick noted that even though the product did not provide as much control as anticipated, there was a decrease in the algae. Mr. Patrick explained that a follow-up application with Cutrine Ultra as per the herbicide manufacturer's recommendations was performed the day of the October 2013 Advisory Board meeting. Mr. Patrick mentioned that he would monitor the canals very closely and treatments would be conducted as needed according to herbicide label restrictions.

3) Rosewood Drive/Poe Street Sedimentation Issue:

Mr. Patrick stated that he would inspect the area to get a better understanding of what is going on and report back to the Advisory Board. Commissioner Clarke noted that he was interested in visiting the site.

VI. New Business: None

VII. Marine Patrol:

Mr. Patrick stated that Labor Day Weekend was reported to be uneventful. The Advisory Board discussed the Marine Patrol detail. Bobby Lance commented that the Marine Patrol is doing a great job focusing on boating education and safety. Commissioner Clarke discussed the recent Wipeout event and the related study performed by the City of Belle Isle.

VIII. Advisory Board Report:

No report.

IX. Non-Agenda Items:

1) Hydrilla Surveys & Treatments:

Mr. Patrick reported that surveys through the Conway chain and Lake Gatlin were performed during the month of September by EPD. Mr. Patrick explained that there is approximately 10 acres of hydrilla in the south lobe of Lake Conway that appeared to be returning from the treatments performed a couple years ago. Mr. Patrick stated that there is a minor amount of scattered hydrilla throughout the Conway chain, and spot treatments will occur in the future. Mr. Patrick handed out maps to the Advisory Board from the recent surveys to indicate where the hydrilla is located.

2) Storm Drain Labeling:

Mr. Patrick handed out an example of the storm drain label that is currently used by Orange County EPD. Mr. Patrick noted that there are volunteer programs in place within EPD that perform storm drain labeling within unincorporated Orange County. Mr. Patrick stated that the cost of the storm drain label is approximately \$4.00 each.

3) Melaleuca Removal:

Mr. Patrick stated that he will coordinate with the County contractor and Florida Fish & Wildlife Conservation Commission (FWC) to survey and plan a melaleuca removal project.

4) Lake Gatlin Check:

Mr. Patrick noted that he received a check on behalf of Lake Gatlin Homeowners Association Inc. for \$18,300.00 that was deposited into the Conway MSTU account for water quality improvements, aquatic plant management, and best management practices on Lake Gatlin. The Advisory Board discussed the donation of funds and expressed their appreciation.

5) Lisa Waterway Project:

Mr. Blackton noted that he has seen and received reports of a lot of trash coming down the Lisa Waterway canal recently, especially during heavy rainfall. Mr. Patrick explained that during high flow the Lisa Waterway CDS unit diversion structure allows stormwater to pass until the flow decreases. Mr. Lance mentioned that there might be approximately two to three acres of property available to provide treatment to stormwater coming off of Orange Avenue and from Lake Jessamine prior to coming through the Lisa Waterway canal. Ohilda Washburn indicated that a stormwater retention pond would be a possibility. Commissioner Clarke stated that a project much like the Lake Mary Jess retention pond could be a possibility with coordination from City of Edgewood and Florida Department of Transportation (FDOT). Mr. Patrick stated that he would begin investigating and report back to the Advisory Board.

6) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

7) Hoffner Canal Tree Trimming:

A resident indicated that the trees in the Hoffner Canal need to be trimmed. The Advisory Board commented that such maintenance was performed a few years back. Mr. Patrick indicated that he would work with the County contractor to perform the work.

X. Meeting Adjournment:

Chairman Vause adjourned the meeting at 7:32 p.m.


Cheryl Leonard, Vice Chairman

11/12/13
Date


Minutes prepared by Ryan Patrick

11/12/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
November 12, 2013**

Board Members Present: Cheryl Leonard (Vice Chairman), Ohilda Washburn, Lisa Smith, Bobby Lance, and Steve Udouj

Board Members Absent: Rabon Vause (Chairman), Micky Blackton

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods

I. Call to Order:

With a quorum present, Vice Chairman Leonard called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:30 p.m.

II. Approval of the October 8, 2013 Meeting Minutes:

Upon a motion by Steve Udouj, seconded by Ohilda Washburn, and carried with all present members voting AYE by voice vote, with Ray Vause and Micky Blackton being absent; the Advisory Board approved the October 8, 2013 minutes as presented.

III. Public Comment on Propositions Before the Advisory Board

Vice Chairman Leonard read the Public Comment statement and asked if there were any comments from the floor. Hearing no requests, the Public Comment period was closed.

IV. Chairman's Comments:

Vice Chairman Leonard commented that she does not wish to be reappointed when her term expires at the end of this year. Vice Chairman Leonard noted that she would like to see someone from the north side of the lakes appointed in order to provide different perspectives.

V. Old Business:

1) Baffle Boxes:

Ryan Patrick stated that the contractor completed the feasibility study and that the design phase now begins.

2) *Lyngbya* (algae) & Hydrilla Treatment:

Mr. Patrick discussed that the recent applications have been extremely successful where approximately ninety percent or more of the algae has been managed. Mr. Patrick stated that EPD had just completed treatments throughout the Conway Chain totaling approximately 12 acres of hydrilla and 1.5 acres of water hyacinth. Mr. Patrick added that Florida Fish and Wildlife Conservation Commission (FWC) will reimburse funds to EPD back into the Lake Conway Municipal Service Taxing Unit fund for the hydrilla and water hyacinth treatments.

3) Rosewood Drive/Poe Street Sedimentation Issue:

Mr. Patrick stated that he inspected the area around Rosewood Drive. Mr. Patrick presented a map and photos from the site visit. Mr. Patrick reported that the road is private and there is a process that the residents could request the establishment of a MSTU to cover the costs of bringing the roadway to minimum standards. Mr. Patrick noted that current stormwater system and lack of easement makes treating the stormwater difficult.

4) Storm Drain Labeling

Mr. Patrick stated that he recently learned that there have been numerous efforts to do storm drain labeling throughout the Conway Chain in the City of Edgewood, unincorporated Orange County, and the City of Belle Isle. Mr. Patrick and the Advisory Board discussed different alternatives to conduct the storm drain labeling project. Mr. Patrick noted that he would contact the City of Edgewood and the City of Belle Isle to find out what has been done so far.

5) Melaleuca Removal Project & Tree Trimming

Mr. Patrick presented photos and an estimate for the planned melaleuca removal project and tree trimming to maintain navigation in the canals. The Advisory Board and David Woods discussed additional areas that are in need of tree trimming in the Barby/Willoughby canals and requested a new estimate for all of the work.

Upon a motion by Cheryl Leonard, seconded by Steve Udouj, and carried with all present members voting AYE by voice vote, with Ray Vause and Micky Blackton being absent; the Advisory Board approved up to \$7,000 for the melaleuca removal project and tree trimming.

6) Cullen Lake Shore Drive Drainage Issue

Mr. Patrick explained to the Advisory Board that Commissioner Clarke called a meeting with EPD and City of Belle Isle concerning the potential baffle box project located in the City of Belle Isle. Mr. Patrick stated the email had been sent to Chairman Vause and Vice Chairman Leonard regarding the proposed cost share developed at the meeting and awaited Advisory Board approval for funding. Mr. Patrick noted that the cost of the feasibility study was unknown at this time. Ohilda Washburn indicated that there are stormwater tax funds collected by the City of Belle Isle for such projects. The Advisory Board requested further information regarding the proposed cost share including the cost of the feasibility study and the cost of maintenance of the potential baffle box.

VI. New Business:

1) Lisa Waterway Project

Mr. Patrick explained that a site visit was scheduled with Florida Department of Transportation (FDOT) the next day to further investigate the drainage coming into the Lisa Waterway.

VII. Marine Patrol:

Mr. Patrick noted further details at the request of the Advisory Board regarding the Boating Under the Influence (BUI) arrest on Lake Gatlin in September 2013.

VIII. Advisory Board Report:

No report.

IX. Non-Agenda Items:

1) Lake Gatlin Check:

Mr. Patrick noted that he received a check on behalf of the Lake Gatlin Homeowners Association Inc. for \$18,300.00 that was deposited into the Lake Conway MSTU account for water quality improvements, aquatic plant management, and best management practices on Lake Gatlin.

Upon a motion by Bobby Lance, seconded by Cheryl Leonard, and carried with all present members voting AYE by voice vote, with Ray Vause and Micky Blackton being absent; the Advisory Board approved to earmark the \$18,300 for efforts on Lake Gatlin.

2) Lake Level:

Mr. Woods presented a handout on the current and historic lake levels.

X. Meeting Adjournment:

Vice Chairman Leonard adjourned the meeting at 7:31 p.m.



Rayon Vause, Chairman

December 19, 2013
Date



Minutes prepared by Ryan Patrick

12/10/2013
Date

**Lake Conway Water and Navigation Control District
Advisory Board
Regular Meeting
Orange County Facilities Management Training Room
December 10, 2013**

Board Members Present: Rabon Vause (Chairman), Lisa Smith, Micky Blackton, and Bobby Lance

Board Members Absent: Cheryl Leonard (Vice Chairman), Ohilda Washburn, and Steve Udouj

Staff & Guests: Ryan Patrick, Orange County Environmental Protection Division (EPD)

Residents: David Woods

I. Call to Order:

Without a quorum present, Chairman Vause called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:35 p.m.

Note: Micky Blackton entered the meeting at 6:41 p.m. which established a quorum.

II. Approval of the November 12, 2013 Meeting Minutes:

Upon a motion by Bobby Lance, seconded by Lisa Smith, and carried with all present members voting AYE by voice vote, with Cheryl Leonard, Ohilda Washburn, and Steve Udouj being absent; the Advisory Board approved the November 12, 2013 minutes as presented.

III. Public Comment on Propositions Before the Advisory Board

Chairman Vause read the Public Comment statement and asked if there were any comments from the floor. Hearing no requests, the Public Comment period was closed.

IV. Chairman's Comments:

Chairman Vause commented that he would like to thank the Advisory Board members for their continued effort. Chairman Vause noted that he would like to recognize the active role Commissioner Pete Clarke is taking with the Advisory Board. Chairman Vause stated that Ryan Patrick has done an excellent job since coming on board in March.

V. Old Business:

1) Baffle Boxes:

Mr. Patrick stated that the contractor completed the feasibility study and that the design phase has begun. Mr. Patrick explained that it will not be necessary to match funds from the Florida Department of Environmental Protection (FDEP) grant for the construction of the baffle box.

2) Aquatic Plant Management:

Mr. Patrick discussed that applicators throughout Florida have been experiencing difficulty controlling East Indian hygrophila (*Hygrophila polysperma*). Mr. Patrick stated that less than desirable control was achieved from the last treatment and another herbicide combination was recently used to manage the hygrophila in the Venetian canals.

Mr. Patrick presented a picture of a small floating waterlily tussock island forming in the wetland near the Hoffner Bridge and information for two products (PondZilla 100 & VitaStim MD Pellets). Mr. Patrick explained that he met with a vendor from Aquafix at Florida Aquatic Plant Management Society conference earlier this year who was interested in documenting the use of their products in Florida. Mr. Patrick noted that the two products do not have chemical labels because they are not considered pesticides and work by creating favorable environments for naturally present fungi and bacteria that degrade organic material. Mr. Patrick stated that the vendor was sending both products free of charge for use in this application and for the County to provide photo documentation of the product efficacy on the floating tussocks.

3) Storm Drain Labeling:

Mr. Patrick stated that there have been numerous efforts to do storm drain labeling throughout the Conway Chain in the City of Edgewood, unincorporated Orange County, and the City of Belle Isle. Mr. Patrick explained that the volunteer program within EPD has the ability to perform the storm drain labeling. Mr. Patrick noted that he would contact the City of Edgewood and the City of Belle Isle to find out what they have done so far.

4) Melaleuca Removal Project & Tree Trimming:

Mr. Patrick presented a map showing the areas that have been identified as part of the upcoming melaleuca removal project and tree trimming.

5) Cullen Lake Shore Drive Drainage Issue:

Mr. Patrick explained to the Advisory Board that Commissioner Clarke called a meeting with EPD and City of Belle Isle concerning the potential baffle box project located in the City of Belle Isle. Mr. Patrick presented two handouts pertaining to the proposed cost share.

Upon a motion by Bobby Lance, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Cheryl Leonard, Ohilda Washburn, and Steve Udouj being absent; the Advisory Board approved to expend \$11,975.00 (50% of the \$23,950.00) for the feasibility study of Cullen Lake Shore Drive as proposed by Commissioner Clarke and City of Belle Isle.

6) Lisa Waterway Project:

Mr. Patrick explained that EPD had a site visit with Florida Department of Transportation (FDOT) to further investigate the drainage coming into the Lisa Waterway and that further drainage plans will be acquired from FDOT.

VI. New Business:

1) Curb Inlet Basket & CDS Unit Cleaning:

Mr. Patrick presented curb inlet basket cleaning reports for October and November 2013 totaling approximately 1500 pounds and 1250 pounds, respectively. The Advisory Board commented that the material collected by curb inlet baskets would otherwise make its way to the lake. Mr. Patrick stated that curb inlet basket cleaning occurs the third week of the month and the next cleaning cycle will be the first time that the 37 recently installed curb inlet baskets in the north of the Fern Creek boat ramp are cleaned. Mr. Patrick noted that he will inspect the CDS units and schedule necessary cleanings.

2) Budget Update:

Mr. Patrick reported that the cash brought forward for the current budget year is approximately \$1.4 million and in addition approximately \$325,000 to \$330,000 will be collected as part of this year's property tax.

VII. Marine Patrol:

The Advisory Board discussed the recent fishing tournament. The Advisory Board requested that at least two patrol boats be present to lead and follow the Christmas Parade that is scheduled to occur on the Sunday before Christmas at sundown.

VIII. Advisory Board Report:

No report.

IX. Non-Agenda Items:

1) Randolph Avenue Stormwater Project (on Wallace Street):

Mr. Patrick noted that recent construction was completed on the inflow pipe leading to the lake from East Wallace Street and a retention pond to the south. Mr. Patrick presented an aerial map depicting where the project occurred and a picture of the inflow invert pipe.

2) Lake Map

Mr. Patrick presented a handout showing laser etched lake maps that could be custom made for the Conway Chain. Chairman Vause stated that such an item could be great tokens of appreciation for Advisory Board members with expiring appointments.

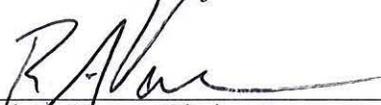
Upon a motion by Bobby Lance, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Cheryl Leonard, Ohilda Washburn, and Steve Udouj being absent; the Advisory Board approved to expend \$59.00 plus tax and shipping per Advisory Board member with expiring appointments for the 8"x10" 2D framed lake map of the Conway Chain.

3) Lake Level & More:

Mr. Woods presented a handout on the current and historic lake levels. Mr. Woods commented that there are other potential alternatives than a baffle box for the Cullen Lake Shore Drive project, such as a retention pond constructed out of sheet pile off the shoreline of the HOA parcel that would collect debris. Mr. Woods noted that the cost of the feasibility study for the Cullen Lake Shore Drive drainage issue seemed excessive.

X. Meeting Adjournment:

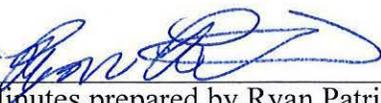
Chairman Vause adjourned the meeting at 7:50 p.m.



Rabon Vause, Chairman

Jan 14, 2014

Date



Minutes prepared by Ryan Patrick

1/14/2014

Date