

**Butler Chain of Lakes Advisory Board  
Windermere Water and Navigation Control District (WWNCD)  
Regular Meeting  
Orange County - Windermere Library  
May 20, 2013**

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**Board Members Present:** Cheryl Miller (Chair), Ann Connolly (Vice Chairperson),  
Ijaz Ahmed and Robert Binkley

**Board Members Absent:** Jason Fulmer

**Staff & Guests:** Sergio Duarte, Orange County Environmental Protection Division (EPD),  
Lt. Jeff Hudson, Butler Marine Patrol

**Residents:** Daniel Cavallo, Johnny Rivers, John Armstrong, Molly Rose, Lori Bradford,  
Reggie Tisdale, Xabier Guericagoitia and Mike Galura

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**I. Call to Order:**

With a quorum present, Cheryl Miller called the meeting of the Butler Chain of Lakes Advisory Board (BCLAB) to order at 6:05 p.m.

**II. Approval of the April 15, 2013 Meeting Minutes:**

**Upon a motion by Robert Binkley, seconded by Ijaz Ahmed and carried with all present members voting AYE by voice vote; Jason Fulmer being absent, the Advisory Board approved the April 15, 2013 meeting minutes as presented.**

**III. Butler Marine Patrol Report:**

**Monthly Marine Patrol Report**

Lt. Jeff Hudson presented the following report for April 2013:

Total Patrol Hours	144
Uniform Boating Citations	6
Warnings Issued	47
Vessels inspected	118
Disable Vessels Assisted	7

**IV. EPD Report:**

**Funding Request for the South Florida Water Management District (SFWMD):** Mr. Duarte stated that the SFWMD has funds available for water quality projects associated with the Butler Chain of Lakes; and added, that a funding request (list of stormwater retrofit projects) was put together with the Town of Windermere for the Advisory Board review and approval.

Mike Galura from MGEC Engineering Consultants LLC stated that the Town of Windermere has 28 stormwater retrofit projects in the amount of \$3.9M; that could be funded to reduce the sediments / pollutant discharges into Lake Down, Lake Butler and Lake Bessie. Mr. Galura stated that the total project cost includes engineering design, drainage easement acquisitions, permitting and construction; and that the projects would encompass: construction of (16) swales, (1) exfiltration system, (4) curb or grate inlet baskets, (1) treatment train, (2) detention ponds, (3) retention ponds and (1) public education /display project.

Mr. Duarte stated that the Windermere Water and Navigation Control District (WWNCD) has at the moment four projects in the amount of \$720,000 that could be submitted to the SFWMD for funding. Mr. Duarte stated that the projects include curb and grade inlet basket filters installations at Lake Down and Lake Tibet, and stormwater pond upgrades in the Lake Down Sub-basin 9 and Lake Butler sub-basin 10. Mr. Duarte stated that the purpose of the pond upgrades is to enhance the treatment capacity of the existing ponds to achieve substantial reductions in the phosphorous inflows into the Butler Chain of Lakes.

The Advisory Board discussed the proposed projects, and recommended moving forward with the funding request for the SFWMD in cooperation with the Town of Windermere.

**Upon a motion by Robert Binkley, seconded by Ijaz Ahmed and carried with all present members voting AYE by voice vote, Jason Fulmer being absent, the Advisory Board recommended that EPD submit a “funding request to the SFWMD” with the list of WWNCD and Town of Windermere projects presented.**

- 1) **Lake Crescent Canal Restoration Proposal (Engineer Reginald Tisdale from Carnahan Proctors Cross Consultants):** Mr. Tisdale discussed a “maintenance dredging proposal” for the Lake Crescent Canal in the amount of \$210,000 , with the goal to restore the water depth and navigation, reduce the growth of nuisance vegetation and improve the habitat and water quality.

Mr. Tisdale stated that the Lake Crescent Canal project encompasses the dredging of the sediments that has built up in the canal bottom over the years, the on-site recycling of the dredged material in geofilter tubes, and the landscaping of the complete canal banks.

Mr. Tisdale stated that there is a drainage easement that runs along the Lake Crescent canal, and an outfall/pipe structure at the end of the canal that conveys the water under Lake Butler Blvd. into Lake Butler. Mr. Tisdale discussed the existing canal profile, and stated that 6 ft of sediment will be removed at the end of the canal/in front of the outfall, without altering the outfall pipe or the volume of water flowing into Lake Butler.

Mr. Duarte stated that a deeper Lake Crescent canal could help reduce the flow of sediments into Lake Butler during the raining season; and perhaps offer a larger settling basin during the dry season or periods of low water flows.

Mr. Tisdale stated that there are six lots along the Lake Crescent Canal, plus the HOA property in front of the outfall; and that at least four of the six lot owners plus the HOA are in support of the proposed Lake Crescent Canal restoration. Mr. Tisdale stated that the participating lot owners are requesting the funding of this project in cooperation with the WWNCD and perhaps Orange County - Public Works.

The Advisory Board discussed the Lake Crescent Canal, and recommended that Mr. Tisdale review the proposed project with the local state agencies (SFWMD /FDEP) to:

- (1) Make sure that no additional pollutants will be exported into Lake Butler (as a result of the canal improvements), and (2), find out if the proposed deeper profile at the end of Lake Crescent Canal is allowed or permitted under the current state regulations.

The Advisory Board tabled the discussions on the Lake Crescent Canal.

- 2) **Pollutant Source Study for Lake Down Sub-basin 9:** Mr. Duarte discussed AMEC's scope of services to evaluate the elevated phosphorus concentrations and mass loadings discharges from sub-basin 9 into Lake Down. Mr. Duarte stated that the objective of the study is to identify the source of phosphorous and to develop conceptual management recommendations to reduce the phosphorous discharges.

Mr. Duarte stated that the proposed Lake Down Sub-basin 9 study may recommend the upgrade of a 3-acre Orange County dry detention pond adjacent to the Windy Ridge Elementary School. Mr. Duarte stated that the existing dry detention pond could be transformed into a wet detention pond through the modification of the pond storage capacity and the outflow structure to increase phosphorous removals.

The Advisory Board discussed the history of Lake Down Sub-basin 9, in terms of stormwater ponds discharges, and the occasional raw sewage spills from the failures of the lift station in this area, as well as the need to identify the phosphorous loading in this sub-basin.

The Advisory Board recommended to move forward with the Lake Down Sub-basin 9 study and produced the following motion:

**Upon a motion by Robert Binkley, seconded by Ann Connolly and carried with all present members voting AYE by voice vote, Jason Fulmer being absent, the Advisory Board approved up to \$120,000 to complete the Lake Down Sub-basin 9 Study as proposed.**

- 3) **Required Public Records & Communication Training for Advisory Board:** Mr. Duarte stated that Orange County is requiring that all the Advisory Board members watch a "Public Records & Communications Training Video" and to sign an acknowledgement form before October 1, 2013. Mr. Duarte stated that the "link" to the training video/forms was sent to all the Advisory Board members via e-mail.
- 4) **North America SE/ Florida Lakes Management Society Symposium:** Mr. Duarte requested financial assistance to attend the North America SE/ Florida Lakes Management Society Symposium in Daytona between: June 18-20, 2013. Mr. Duarte stated that he is scheduled to present at the symposium a paper on the nutrient removal efficiency of stormwater catch basin inserts (filter baskets). The Advisory discussed Mr. Duarte's request and produced the following motion:

**Upon a motion by Ijaz Ahmed, seconded by Robert Binkley and carried with all present members voting AYE by voice vote, Jason Fulmer being absent, the Advisory Board approved an expenditure of up to \$700 for Mr. Duarte attendance to the North America SE/ Florida Lakes Management Society Symposium.**

- V. **New Business:** none
- VI. **Old Business:** none
- VII. **Non-Agenda Items/Public Comment:** none

**VIII. Meeting Schedule:**

**Upon a motion by Ijaz Ahmed, seconded by Ann Connolly and carried with all present members voting AYE by voice vote; the Advisory Board approved the next meeting for Monday, June 17, 2013 at Orange County Library in Windermere.**

**IX. Meeting Adjournment:** The meeting adjourned at 8:15 p.m.

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Cheryl Miller, Chairman

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Date

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Sergio Duarte, Minute Preparer

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Date