

**RIVER RIDGE COMMUNITY DEVELOPMENT DISTRICT
9220 Bonita Beach Road, Suite #214, Bonita Springs, FL 34135**

MEMORANDUM

Date: August 4, 2015
To: River Ridge Board of Supervisors
From: Cleo Crismond – Assistant Regional Manager
Chuck Adams – District Manager
Subject: Quality Assurance Audit – Lake Maintenance

Management recently conducted the yearly on-site audit review of District owned Lakes within Pelican Sound. The tour was conducted on Monday, August 3rd.

Included in this report are the following:

- Evaluation Sheets for each Lake
- Pictures of each Lake
- Dry Detention Memo
- Pictures of Dry Detention
- Detailed Specifications of the Contract

There are a total of (14) District owned Lakes which are identified as follows: Lake E-4A, E1-E, E1-B, E-1A, E3-A, E3-C, E8-A, H1-B, H1-A, H2-A, H1-C, Island Sound, E8-C and E1-G (Masters Circle).

Management has also included an update for Tract 12/13 also known as Sound #9.

Please note the below observations, which are included in each Evaluation Sheet:

- **E4-A**: Observations included minimal Algae.
Action Item: Work-order has been submitted to treat the Algae.
- **E1-E**: Observations included minimal Torpedo grasses/Alligator weed. Erosion repairs required at Edgewater IV (21531/21541 Pelican Sound Drive) were completed. Additional repairs required to (21551/21561).
Action Item: Work-Order has been submitted to treat the invasive material.
Action Item: Management has notified the Association that additional repairs are required to ensure proper run-off, to avoid additional erosion.

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- **E1-B:** Observations included minimal Algae and Slender Spike Rush
Action Item: Work-orders submitted to treat the invasive material.
- **E1-A:** Observations included required erosion repairs abutting the golf course.
Action Item: Email sent to General Manager Jim Whitmore to assist in resolving the erosion concerns abutting the golf course.
- **E3-A:** Observations included minimal weeds on the lake banks.
Action Item: Work-Order submitted to treat the bank weeds.
- **E3-C:** At the time of this audit, there were no concerns.
- **E8-A:** At the time of this audit, there were no concerns.
- **E8-C:** At the time of this audit, there were no concerns.
- **Island Sound Lake (E7-A):** At the time of this audit, there were no concerns.
- **H1-B:** Observations include Slender Spike Rush and Algae.
Action Item: Work-Order submitted to treat the Slender Spike Rush and Algae.
- **H1-A:** At the time of this audit, there were no concerns.
- **H2-A:** Not completed at the time of this audit.
- **H1-C:** Observations included Algae and dead Spike Rush.
Action Item: Work-order submitted to treat the Algae and will monitor the Spike rush for recovery.
- **Masters Circle (E1-G):** At the time of this audit, there were no concerns.

During the time of this inspection wildlife observed included Anhinga, Turtles, Great White Herons, Blue Herons, Ibis, Red Beak Hens, and Black Birds. Management observed a minimal of fish.

Of the 14 District owned lakes, seven had noted treatment requirements. Management has observed that there has been great improvement since last year's report. There are continued signs of Slender Spike Rush in several lakes however the submersed vegetation has significantly diminished over the past year, and the water quality has significantly improved as well.

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Additionally, it is the recommendation of Management that the CDD continues with their yearly program to install Littoral Shelf plants to ensure Lake Bank stabilization, as well as water quality.

Staff will be planting the lakes that received erosion repairs this year (included in this report): Lakes E3-A, E3-C, E1-E, H1-A, H1-C, E1-A & E1-B. Littorals to be planted this year consist of Golden and Orange Canna Lilly. Plantings to take place in the next several weeks.

It is the opinion of Management, that at the time of this Audit these lakes are in compliance with the SFWMD.

Please note the following observations of Conservation Tract #12/13

- **Tract 12 & 13:** (Also known as Sound #9) – Unable to cut 50% of the wetland this year due to high water table.
Action Item: Management will review in the Spring 2016.