

**PELICAN BAY SERVICES DIVISION  
WATER MANAGEMENT COMMITTEE MEETING  
MAY 10, 2016**

The Water Management Committee of the Pelican Bay Services Division met on Tuesday, May 10 at 1:00 p.m. at the SunTrust Bank Building, 801 Laurel Oak Drive, Suite 302, Naples, Florida 34108. The following members attended.

**Water Management Committee**  
Tom Cravens, Chairman

Scott Streckenbein  
Dave Trecker

**Pelican Bay Services Division Staff**  
Neil Dorrill, Administrator  
Marion Bolick, Operations Manager

Mary McCaughtry, Operations Analyst  
Lisa Jacob, Associate Project Manager  
Barbara Shea, Recording Secretary

**Also Present**

Ken Dawson, PBSB Board  
Mike Shepherd, PBSB Board

**APPROVED AGENDA (AS AMENDED)**

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 2/22/16 meeting minutes
5. Audience comments
6. Development of brief simple fertilizing guidelines for residents
7. Littoral plantings for 2016 (report by Marion)
  - a. Lakes chosen
  - b. Types of plants chosen
8. Planned aeration installation for 2016 (report by Marion)
  - a. Lakes chosen
9. Status of sediment testing (report by Marion or Lisa)
10. Plans for lake-bank repair (report by Neil or Marion)
11. Updated readings of effectiveness of fish, peroxide, and bacteria in test lakes (report by Marion)
  - a. Recycled water (*add-on*)
  - b. Assessing blue tilapia populations (*add-on*)
12. Adjournment

**ROLL CALL**

All members were present and a quorum was established

**AGENDA APPROVAL**

Dr. Trecker motioned, Mr. Streckenbein seconded to approve the agenda as amended with the addition of a discussion item "Recycled water" as item #11a and a discussion item "Assessing blue tilapia populations" as item #11b. The motion carried unanimously.

**APPROVAL OF 02/22/16 MEETING MINUTES**

Mr. Streckenbein motioned, Dr. Trecker seconded to approve the 02/22/16 meeting minutes as amended. The motion carried unanimously.

**AUDIENCE COMMENTS**

None

**DEVELOPMENT OF BRIEF SIMPLE FERTILIZING GUIDELINES FOR RESIDENTS**

Mr. Cravens reported on resident requests he has received for fertilizing guidelines. Dr. Trecker stated that "best management practices" provides general guidelines. By committee consensus it was not deemed possible to develop one guideline as soil differs among Pelican Bay communities. Mr. Bolick suggested that individual communities conduct soil sample testing for nutrient levels. Staff will look into the cost of soil sampling by University Extension Services.

**LITTORAL PLANTINGS FOR 2016**

Mr. Bolick reported that the \$14,000 littoral planting project in 25 lakes has been completed.

**PLANNED AERATION INSTALLATION FOR 2016**

Mr. Bolick reported that Aquagenix has been chosen as the low bid contractor for the 2016 aeration project. Once the Board of County Commissioners has approved the contract, the project will begin, estimated to be in mid-June. Aerators will be installed in eight lakes.

**STATUS ON SEDIMENT TESTING**

Ms. Jacob reported that the sediment testing is complete, results will be provided to Earth Tech within two weeks, and a report will be provided to the PBSB by Earth Tech within an additional week. Test results will include levels of copper, phosphorus, and sediment depth.

**PLANS FOR LAKE BANK REPAIR**

Mr. Dorrill reported that the committee will be provided a report on the surveys of the ten lakes with the most severe lake bank erosion next month. The budget for FY16 lake bank repair is \$75,000. Mr. Dorrill reported that the installation of additional riprap along the north berm is a competing project for these funds.

**UPDATED READINGS OF EFFECTIVENESS OF FISH, PEROXIDE, AND BACTERIA IN TEST LAKES**

Mr. Bolick reported the following updates: (1) peroxide in conjunction with hydrothol appears to be effective in reducing levels of algae, (2) blue tilapia appears to be effective in algae

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reduction in the lake by the Community Center, but not as effective in the Ridgewood lake, and (3) bacteria is still undergoing testing as its introduction requires a longer term study.

**RECYCLED WATER**

Dr. Trecker commented that the state of Florida has high nutrient level standards for recycled water, for which Collier County is compliant. He stated that methods to reduce nutrient levels are extremely expensive.

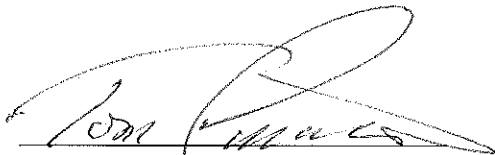
**ASSESSING BLUE TILAPIA POPULATIONS**

Mr. Cravens requested that staff explore methods and costs to determine the current population of blue tilapia in the two lakes where they were installed to combat algae.

**MR. DORRILL REPORTED ON THE SUCCESSFUL COMPLETION OF THE CLAM BAY DREDGING PROJECT.**

**ADJOURNMENT**

**The meeting was adjourned at 1:56 p.m.**



Tom Cravens, Chairman

Minutes approved [] *as presented* OR [] *as amended* ON [ 6-30-16 ] *date*