

**PELICAN BAY SERVICES DIVISION
WATER MANAGEMENT COMMITTEE MEETING
APRIL 21, 2017**

The Water Management Committee of the Pelican Bay Services Division met on Friday, April 21 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
Tom Barber, Agnoli, Barber & Brundage
Mary Johnson, Pelican Bay Foundation

Susan O'Brien, PBSB Board
Mike Shepherd, PBSB Board

APPROVED AGENDA (AS PRESENTED)

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 01/26/17 meeting minutes
5. Audience comments
6. *North berm restoration
7. 2017 aerator installation
8. Status of recently installed aerator systems
9. *Status of bacteria and tilapia testing
10. Status of "microfloc" testing
11. Status of plantings in Avalon lake
12. Plantings and rip rap at the Oak Lake Sanctuary lake
13. *Lake bank erosion (consultant presentation)
14. Other business
15. Adjournment

**indicates possible action items*

ROLL CALL

All members were present and a quorum was established

AGENDA APPROVAL

Dr. Trecker motioned, Mr. Cravens seconded to approve the agenda as presented. The motion carried unanimously.

APPROVAL OF 01/26/17 MEETING MINUTES

Mr. Streckenbein motioned, Dr. Trecker seconded to approve the 01/26/17 meeting minutes as presented. The motion carried unanimously.

AUDIENCE COMMENTS

None

NORTH BERM RESTORATION

Dr. Trecker motioned, Mr. Streckenbein seconded for the Water Management Committee to endorse the decision by the Budget Committee to place \$50,000 in the budget for the east side of the north berm project. The motion carried unanimously.

2017 AERATOR INSTALLATION

By consensus, the committee agreed that staff should move forward with the process of completing the final phase of the aerator project, including an additional aerator for the Las Brisas lake. Sufficient funds have been budgeted for the 2017 phase.

STATUS OF RECENTLY INSTALLED AERATOR SYSTEMS

Mr. Bolick reported that the recently installed aerators have been running consistently for over 30 days.

STATUS OF BACTERIA AND TILAPIA TESTING

In the agenda packet, Mr. Cravens provided emails from Mr. Dave Cook and Ms. Patricia Vlasho who provided positive comments on their experience/results with using blue tilapia to combat algae in their respective private lakes. Although Mr. Cravens was in favor of expanding the PBSB blue tilapia program, Dr. Trecker took an opposing view. Dr. Trecker cited the following reasons for not expanding the test program: (1) frequent algae in the Ridgewood Lake (one of the blue tilapia test lakes), (2) lack of data from any community in SW Florida with documented positive results from blue tilapia, (3) Mr. Dave Cook's blue tilapia experience/comments were not a result from a "controlled experiment," and (4) blue tilapia are currently considered an invasive species to this area.

Dr. Trecker motioned, Mr. Streckenbein seconded for the Water Management Committee to endorse the decision by the Budget committee to add \$35,000 in the operating budget for bacteria to be added to the remaining lakes for which we have responsibility. The motion carried unanimously.

STATUS OF "MICROFLOC" TESTING

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By consensus, the committee agreed not to approve any funds for “microfloc” testing for the FY18 budget.

STATUS OF PLANTINGS IN AVALON LAKE

Ms. Jacob reported that the Avalon lake littoral planting project has been put out for bids and that our consultant has recommended the project begin in late May/early June to increase the survivability of the plants.

Mr. Ray O’Keefe commented on his experience with “floating islands” in the Breakwater lake.

PLANTINGS AND RIP RAP AT THE OAK LAKE SANCTUARY LAKE

Mr. Dorrill provided an update on the 2016 Oak Lake Sanctuary lake project. He reported that during the next month, staff will (1) extend the rip rap installed last year to provide a better finished look, and (2) install additional littoral plants in the southeast corner, which is exhibiting some die-off.

LAKE BANK EROSION

Mr. Tom Barber, our ABB consultant, provided raw data of (1) average escarpment height, (2) maximum escarpment height, (3) average slope, and (4) maximum slope of the lake banks of the 45 lakes for which PBSB has responsibility. Although he identified eight lakes with top priority based on the raw data, he expects to tweek/rectify priority rankings based on additional review.

Dr. Trecker commented that the Budget Committee has placed \$100,000 in the FY18 budget for lake bank repair projects. With a rollover amount of approximately \$110,000 from FY17, the PBSB would have \$210,000 for these projects in FY18.

Mr. Barber provided a general discussion of “geoweb” and “geotube” as possible solutions to lake bank erosion, including approximate cost per foot.

Ms. O’Brien questioned whether the PBSB is responsible for lake bank deficiencies, based on SFWMD permits. She suggested these permits be reviewed to confirm PBSB’s responsibility for lake bank erosion repairs at all of the 45 lakes.

Mr. Dorrill requested that ABB’s final report include (1) a one page discussion of the pros and cons of the alternatives available as solutions for lake bank erosion, including geoweb and geotube, and (2) a basis for establishing the PBSB obligation for lake bank erosion repairs at each of our 45 lakes.

Ms. Mary Johnson commented on escarpment problems at the St. Marissa private lake.

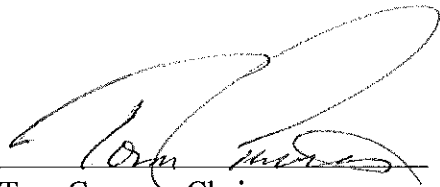
OTHER BUSINESS

At the suggestion of Mr. Cravens, the committee recommended that staff look into options and related costs of video projection equipment for the improvement of committee meeting presentations held in the conference room of the PBSB office.

ADJOURNMENT

The meeting was adjourned at 2:13 p.m.

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Tom Cravens, Chairman

Minutes approved [] *as presented* OR [] *as amended* ON 8-3-17] *date*