

**PELICAN BAY SERVICES DIVISION
CLAM BAY COMMITTEE MEETING
NOVEMBER 9, 2016**

The Clam Bay Committee of the Pelican Bay Services Division met on Wednesday, November 9 at 1:00 p.m. at the SunTrust Bank Building, 801 Laurel Oak Drive, Suite 302, Naples, Florida 34108. In attendance were:

Clam Bay Committee
Susan O'Brien, Chairman

Bohdan Hirniak
Gary Ventress (*absent*)

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

Mary Johnson, Pelican Bay Foundation
Arielle Poulos, Turrell, Hall, & Associates
Brandon Reed, County Legislative Affairs

Mike Shepherd, PBSB Board
Jeremy Sterk, Earth Tech
Dave Trecker, PBSB Board

APPROVED AGENDA (AS PRESENTED)

1. Roll call
2. Agenda approval
3. Approval of 09/28/16 meeting minutes
4. Audience comments
5. Mangrove die-off
 - a. THA October report
 - b. Observations from new mangrove monitoring plots in die-off area
 - c. H&M tidal ratio data for October
 - d. Set-back information on retaining wall along Bay Colony Road
 - e. Hand-dug channels
 - f. Intervention strategies
6. Clam Bay monitoring, work, and reports
 - a. Tree trimming and exotic treatment in FY17
 - b. 2016 annual report
 - c. Aerial photos of Clam Bay
7. Water quality
 - a. Copper data for August
 - b. Tomasko quarterly report on TP and TN for May, June, and July
 - c. Phosphorus levels in Clam Bay
8. Florida Fish and Wildlife Commission and manatee protection in Clam Bay
9. Next meeting: December 19, 20, 21, or 22
10. Adjournment

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ROLL CALL

Mr. Ventress was absent and a quorum was established

AGENDA APPROVAL

Mr. Hirniak motioned, Ms. O'Brien seconded to approve the agenda as presented. The motion carried unanimously.

APPROVAL OF 09/28/16 MEETING MINUTES

Mr. Hirniak motioned, Ms. O'Brien seconded to approve the 09/28/16 meeting minutes as amended. The motion carried unanimously.

AUDIENCE COMMENTS

None

MANGROVE DIE-OFF

THA OCTOBER REPORTS

Ms. O'Brien reported that the THA October report estimated that the mangrove die-off area has remained about the same. Ms. O'Brien reported observing significant stagnant water in the northern die-off area adjacent to Upper Clam Bay, on Friday Nov. 4. She observed no apparent drainage.

OBSERVATIONS FROM NEW MANGROVE MONITORING PLOTS IN DIE-OFF AREA

Mr. Sterk commented that his observations show that the mangrove mortality appears to be almost 100% white mangroves with evidence of new red mangrove growth. He suggested letting the "natural progression" continue of red mangroves replacing white mangroves.

H&M TIDAL RATIO DATA FOR OCTOBER

Ms. O'Brien commented that the H&M tidal data shows slightly better ratios from the prior month.

SET-BACK INFORMATION ON RETAINING WALL ALONG BAY COLONY ROAD

Mr. Dorrill reported that based on our engineer's review of property lines and easements on or adjacent to Bay Colony Drive, PBSB has no roadway drainage easements in this area. Mr. Dorrill summarized that Ms. Jacob will provide the following Bay Colony Drive information at the next committee meeting: (1) final inspection reports, (2) one year warranty inspection report, and (3) clarification of access easements for Bay Colony Drive. Mr. Jim Carr, Agnoli, Barber & Brundage, will assist as necessary.

HAND-DUG CHANNELS

Ms. O'Brien suggested the need to explore the reason for the stagnant water not flowing into Upper Clam Bay via the hand-dug channels, and the reason for the water in Upper Clam Bay

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not flowing south through the entire Clam Bay drainage system. She commented that Mr. Hall observed no blockages in the hand-dug channels in his last report.

Ms. Mary Johnson expressed concern over the drainage channels not functioning properly.

INTERVENTION STRATEGIES

By consensus, the committee agreed on intervention strategies to include (1) Mr. Sterk will look at water level logger data as compared to last quarter, (2) THA will look at current water levels in hand-dug channels as compared to April 2016 data, and (3) staff will ask H&M to explore water level data provided by the four Clam Bay tidal gauges.

Mr. Hirniak suggested exploring a “hydraulic profile” of the Clam Bay drainage system.

CLAM BAY MONITORING, WORK, AND REPORTS

TREE TRIMMING AND EXOTIC TREATMENT IN FY17

Ms. Jacob reported that the PBSB received proposals for FY17 annual exotic maintenance & treatment services for the East Berm, West Berm, and Clam Bay NRPA. The job will be awarded to Earth Tech as the lowest and most responsive bidder, resulting in savings of approximately \$23,400 from FY16. Work will be performed quarterly on the east and west berms, and annually on the Clam Bay NRPA.

2016 ANNUAL REPORT

Mr. Dorrill commented that consultant work products for the 2016 Annual Report are due on December 15.

AERIAL PHOTOS OF CLAM BAY

Ms. O’Brien commented on the excellent quality of the Clam Bay aerial photos provided by Humiston & Moore, which will continue to be taken on a monthly basis.

WATER QUALITY

COPPER DATA FOR AUGUST

Ms. O’Brien commented on the copper data provided by the County Lab for August, which showed copper exceeding FDEP acceptable limits at one site (Clam Bay-9). This site will continue to be monitored as this “exceeds” level has been observed for two consecutive months.

Mr. Dorrill commented on his Nov. 10 meeting with Commissioner-Elect Solis, and will discuss that there has been a significant reduction of 60-80% in copper levels in Clam Bay and in Pelican Bay upland lakes as a result of the elimination of the usage of copper sulfate in 2013.

TOMASKO QUARTERLY REPORT ON TP AND TN FOR MAY, JUNE, AND JULY

Ms. O’Brien commented that the 3rd Quarter Tomasko report shows additional problematic areas of “exceeds the criteria” of phosphorus concentrations in Clam Bay; the report suggests that nitrogen concentrations are not currently problematic. Dr. Trecker commented that the report suggests the source of the nutrients as being drainage from upland lakes.

FLORIDA FISH AND WILDLIFE COMMISSION AND MANATEE PROTECTION IN CLAM BAY

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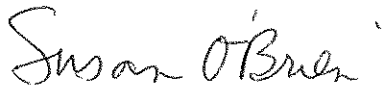
Ms. O'Brien commented that this issue was fully discussed at the November PBSB board meeting. Ms. Mary Johnson commented on next week's FWC appeal hearing on manatee protection in Clam Bay.

NEXT MEETING: DECEMBER 19, 20, 21, OR 22

By consensus, the committee agreed that the next meeting of the committee would be held on December 19 at 1:00 p.m. The committee also agreed that future meetings, beginning in February 2017, would be held monthly on the Thursday following the PBSB board meeting.

ADJOURNMENT

The meeting was adjourned at 2:16 p.m.



Susan O'Brien, Chairman

Minutes approved [] *as presented* OR [] *as amended* ON [12/19/16] *date*