

**PELICAN BAY SERVICES DIVISION
CLAM BAY COMMITTEE MEETING
SEPTEMBER 28, 2016**

The Clam Bay Committee of the Pelican Bay Services Division met on Wednesday, September 28 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

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

Tim Hall, Turrell, Hall & Associates
Mike Shepherd, PBSB Board
Jeremy Sterk, Earth Tech

Dave Trecker, PBSB Board
Kathy Worley, Conservancy of SW Florida

APPROVED AGENDA (AS PRESENTED)

1. Roll call
2. Agenda approval
3. Approval of 08/31/16 meeting minutes
4. Audience comments
5. Mangrove die-off
 - a. THA September report
 - b. H&M tidal ratio data for September
 - c. Hand-dug channels
 - d. Intervention strategies
 - e. Possible impact of dune swale work
 - f. 2016 infrared aerial photo
6. Clam Bay monitoring, work, and reports
 - a. Tree trimming and exotic removal in FY16
 - b. Timeline for 2016 annual report
 - i. Part 1 – on Objectives 1, 4, and 5 of Man. Plan
 - ii. Part 2 – on Objective 2 of Man. Plan
 - iii. Part 3 – on Objective 3 of Man. Plan
 - c. Aerial photos
 - d. Maintenance of tidal gauges
 - e. Revised monitoring of mangrove plots for 2016
 - f. Sea grass exhibit
7. Water quality
 - a. Copper data for July

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- b. Tomasko quarterly report on total phosphorus and total nitrogen
- 8. Osprey nesting platform
- 9. Next meeting: November 9 or 10
- 10. Adjournment

ROLL CALL

All members were present and a quorum was established

AGENDA APPROVAL

Mr. Hirniak motioned, Mr. Ventress seconded to approve the agenda as presented. The motion carried unanimously.

APPROVAL OF 08/31/16 MEETING MINUTES

Mr. Ventress motioned, Mr. Hirniak seconded to approve the 08/31/16 meeting minutes as amended. The motion carried unanimously.

AUDIENCE COMMENTS

None

MANGROVE DIE-OFF

THA SEPTEMBER REPORTS

Mr. Hall estimated the mangrove die-off area has expanded to 11.46 acres of concern with the addition of 4/10 acre in front of the Strand, although some seedling recruitment can be observed in this area. Mr. Hall is not recommending new hand-dug channels at this time, and will continue to monitor the die-off areas.

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.

Ms. Worley, Conservancy of SW Florida, reported that she monitors 12 Clam Bay plots annually in March, and will provide her reports to the PBSB. She has observed fungus in stressed mangroves.

Ms. O'Brien commented on a possible contributing factor of the mangrove die-off as being water run-off from Bay Colony Drive into Clam Bay. Mr. Sterk suggested an additional possible contributing factor as being the poorly functioning Bay Colony condo drainage structures. Mr. Dorrill commented that he will pass along these concerns to Bay Colony, as these concerns are not the responsibility of the PBSB.

Mr. Dorrill reported that staff is currently in the process of updating our dune swale maintenance project. He will work with LuAnn Giovannelli and the Bay Colony Association Board, and will pursue a cost-sharing agreement. Mr. Dorrill will explore the set-back documentation for the retaining wall on Bay Colony Drive.

H&M TIDAL RATIO DATA FOR SEPTEMBER

Ms. O'Brien commented that the variability of the mean tidal ratios has continued.

HAND-DUG CHANNELS

Mr. Hall commented that he is not recommending new hand-dug channels at this time. He is considering a possible recommendation about a hand-dug channel right alongside the retaining wall at Bay Colony Drive.

INTERVENTION STRATEGIES

By consensus, the committee chose to continue with monthly “mangrove die-off status reports” (by Turrell, Hall & Assoc.) for the next six months, through March 2017.

POSSIBLE IMPACT OF DUNE SWALE WORK

Ms. O’Brien commented on her concerns of the PBSB dune swale work resulting in additions to the standing water in Clam Bay.

2016 INFRARED AERIAL PHOTO

The new July 2016 Clam Bay infrared aerial photo is on display in the PBSB office. Ms. Jacob commented that an aerial photo is taken annually; the next photo will be scheduled for July 2017.

CLAM BAY MONITORING, WORK, AND REPORTS

TREE TRIMMING AND EXOTIC REMOVAL IN FY16

Ms. Jacob reported that the current contract for Clam Bay exotic removal with Earth Balance expires on Sept. 30. She will request a quote from Earth Tech for targeted exotic removal services in FY2017, based on Mr. Sterk’s exhibit of identified exotics in Clam Bay.

TIMELINE FOR 2016 ANNUAL REPORT

By consensus, the committee agreed on Dec. 15 as a target date for consultants to submit their components of the 2016 Clam Bay annual report. By consensus, the committee suggested obtaining a bathymetric survey in November and May of FY2017. Mr. Dorrill commented that he will bring this issue to the PBSB Board on Oct. 5 for approval; only one bathymetric survey is included in the FY2017 PBSB budget.

AERIAL PHOTOS

Ms. O’Brien expressed her preference in utilizing one plane to take all of the Clam Bay related aerial photos.

MAINTENANCE OF TIDAL GAUGES

Mr. Sterk reported that on average he receives notification of performance issues of a tidal gauge twice per month. He noted that although a tidal gauge may not be transmitting, the gauge’s data is never lost.

REVISED MONITORING OF MANGROVE PLOTS FOR 2016

Mr. Sterk reported that he is in the process of changing the Clam Bay mangrove plots by adding additional plots in the die-off area, and abandoning some of the older Lewis plots.

SEA GRASS EXHIBIT

Mr. Sterk reported that the sea grass in Clam Bay has increased by approximately ½ acre.

WATER QUALITY

COPPER DATA FOR JULY

Ms. O'Brien commented on the copper data provided by the County Lab for July, which showed copper exceeding FDEP acceptable limits at three sites. She reported that the County Lab has provided two sets of distinct results for each of the past two months. The committee expressed concerns over the quality of the County Lab work, and may consider using Benchmark Lab in the future to obtain more consistent results for copper.

Dr. Trecker suggested the possibility of copper from the sediment in Clam Bay going back into solution during the high rainy season, causing higher readings.

TOMASKO QUARTERLY REPORT ON TOTAL PHOSPHORUS AND TOTAL NITROGEN

Ms. O'Brien commented that the 2nd Quarter Tomasko report shows five "exceeds" for total phosphorus; the backup detail report show four "exceeds." Mr. Hall will contact Dr. Tomasko for clarification. The report shows one "exceed" for total nitrogen.

Mr. Hall commented on a new rookery containing approximately 80 nests, on a Clam Bay island, which is a new source of phosphorous and nitrogen.

OSPREY NESTING PLATFORM

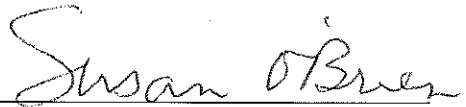
Ms. O'Brien thanked staff and Mr. Sterk for their work on the completion of the osprey nesting platform, recently installed just south of the Marker 36 Restaurant.

NEXT CLAM BAY COMMITTEE MEETING

By consensus, the committee agreed that the next meeting of the committee would be held on November 9 at 1:00 p.m.

ADJOURNMENT

The meeting was adjourned at 2:37 p.m.


Susan O'Brien, Chairman

Minutes approved [] as presented OR [] as amended ON [11-9-16] date