

**PELICAN BAY SERVICES DIVISION
CLAM BAY COMMITTEE MEETING
SEPTEMBER 6, 2018**

The Clam Bay Committee of the Pelican Bay Services Division met on Thursday, September 6 at 1:30 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
Rick Swider (*absent*)

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

Mary McCaughtry, Ops Analyst (*absent*)
Lisa Jacob, Assoc. Project Manager (*absent*)
Barbara Shea, Recording Secretary

Also Present
Jennifer Bobka, Earth Tech

Mohamed Dabees, Humiston & Moore
Jeremy Sterk, Earth Tech

APPROVED AGENDA (AS PRESENTED)

1. Roll call
2. Agenda approval
3. Approval of 07/12/18 meeting minutes
4. Audience comments
5. Clam Bay
 - a. Update on monitoring
 - b. Update on THA assessment of debris removal and hand-dug channel maintenance
 - c. Canoe trail marker 12
 - d. Draft update for October PB Post
6. Clam Pass
 - a. H&M August tidal ratio report
 - b. August aerial photos
 - c. Bathymetric survey results for annual report
7. Water quality
 - a. Tomasko Clam Bay WQ reports for Nov. 2017 – April 2018
 - b. Copper results
 - c. Proposal for copper sediment testing
 - d. Suggested changes in upland pond WQ testing and report
8. Annual Reports
 - a. Clam Bay Tidal Analysis and Bathymetric reports due December 21, 2018
 - b. Water Quality report due February 15, 2019
 - c. Documentation of rookery for annual WQ report
9. Next meeting: January 3, 2019
10. Adjournment

ROLL CALL

Mr. Swider 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 07/12/18 MEETING MINUTES

Ms. O'Brien motioned, Mr. Hirniak seconded to approve the 07/12/18 meeting minutes as amended. The motion carried unanimously.

AUDIENCE COMMENTS

None

CLAM BAY

UPDATE ON MONITORING

Mr. Sterk, Environmental Consultant with Earth Tech, provided drone photos of an area of stressed mangroves, located south of the north boardwalk. Mr. Sterk identified possible causes as (1) blockage in the channel network which may be causing excessive standing water (Earth Tech will doublecheck the channels in this area to ensure proper flow), and (2) excessive amounts of sand in this area, pushed in by Hurricane Irma. Mr. Sterk suggested periodically scheduling drone photos of the PB mangrove forest, to identify any stressed areas which would then be monitored.

Ms. Bobka, Environmental Consultant with Earth Tech, provided a report on seagrasses in Clam Bay, based on fixed monitoring stations which allow for quantifying densities and abundances of seagrasses along six transects. She reported that seagrasses have been fairly stable from 2017 to 2018, are in similar locations, with acreage increasing slightly from 3.85 in 2017 to 3.87 in 2018.

UPDATE ON THA ASSESSMENT OF DEBRIS REMOVAL AND HAND-DUG CHANNEL MAINTENANCE

Ms. O'Brien commented that Mr. Hall has reported (by e-mail) that the THA (Turrell Hall & Assoc.) assessment/inspection of debris removal and hand-dug channel maintenance is approximately 90% complete.

CANOE TRAIL MARKER 12

Mr. Sterk commented that canoe trail marker 12 remains on the County's list of markers to be replaced.

DRAFT UPDATE FOR OCTOBER PB POST

Ms. O'Brien provided a draft (included in the agenda packet) of an article entitled, "Clam Bay Update" to be included in the October Pelican Bay Post. It is intended to provide a brief update to PB residents and to let them know that all of our major Clam Bay reports are available on our PBSB website. Ms. O'Brien noted that under "Water Quality," she will correct "allowable 10%" to "allowable 13%" in the second paragraph. Dr. Dabees, Environmental Consultant with Humiston and Moore, suggested adding a few photos of the current "good conditions" at Clam

Pass. The committee had no additional suggested changes. Ms. O'Brien commented that she would send an updated draft of the article to the PBSB Board to offer any edits/changes prior to forwarding the article to the PBF for inclusion in the next edition of the Pelican Bay Post.

CLAM PASS

H&M AUGUST TIDAL RATIO RESULTS

Dr. Dabees commented that August tidal flow looks good, with ratios close to .7.

AUGUST AERIAL PHOTOS

Dr. Dabees provided recent aerial photos of Clam Pass and commented that conditions look better than they did a month ago.

BATHYMETRIC SURVEY RESULTS FOR ANNUAL REPORT

Dr. Dabees commented that the last official bathymetric survey was completed in May 2018. Prior to the preparation of Humiston & Moore's annual report, Dr. Dabees will complete some condition surveying, document the level of shoaling, and suggested that an additional full survey would not be necessary in 2018.

WATER QUALITY

TOMASKO CLAM BAY WQ REPORTS FOR NOV. 2017 – APRIL 2018

Dr. Tomasko, Environmental Consultant with ESA, provided two quarterly Clam Bay water quality reports for Nov. 2017 – April 2018 (included in the agenda packet). Ms. O'Brien highlighted that in 2018 total phosphorous readings have been out of compliance with state standards 46% of the time, far surpassing the 13% exceedances allowable by the state. Dr. Tomasko suggested that high TP levels may be a result of hurricane debris and/or the rookery in Upper Clam Bay. He does not believe high TP is a result of upland input, based on the readings from the berm water samples.

COPPER RESULTS

Ms. O'Brien commented that copper results look good, showing just 7 exceedances out of 63 samples so far this year.

HISTORY OF TP LEVEL IN CLAM BAY

The committee discussed looking at the history of the level of total phosphorus in Clam Bay and suggested obtaining historical data on TP levels from Mr. Hall to provide to Dr. Tomasko for an analysis of the historical trend. The committee suggested that Mr. Hall provide a proposal for this study.

PROPOSAL FOR COPPER SEDIMENT TESTING

Ms. O'Brien commented that Mr. Hall is working on providing a proposal for copper sediment testing.

SUGGESTED CHANGES IN UPLAND POND WQ TESTING AND REPORT

Ms. O'Brien commented that Mr. Hall will be contacting Dr. Tomasko to discuss possible changes in upland pond water quality testing and reports.

ANNUAL REPORTS

**CLAM BAY TIDAL ANALYSIS AND BATHYMETRIC REPORTS DUE
DECEMBER 21, 2018**

Ms. O'Brien suggested that the annual Clam Bay and tidal analysis and bathymetric report be delivered before Christmas.

WATER QUALITY REPORT DUE FEBRUARY 15, 2019

Ms. O'Brien suggested that the annual water quality report be delivered by Feb. 15, 2019.

DOCUMENTATION OF ROOKERY FOR ANNUAL WQ REPORT


Ms. O'Brien suggested compiling rookery data to be included in an appendix to the Tomasko annual water quality report. She suggested that Mr. Sterk, Mr. Hall, and Dr. Tomasko have a discussion to determine the best methodology to document the rookery and that they consider any potential benefits from sediment testing for TP near the rookery.

NEXT MEETING:

By consensus, the committee agreed that the next meeting of the committee would be held on November 8 at 1:30 p.m.

ADJOURNMENT

The meeting was adjourned at 2:31 p.m.



Susan O'Brien, Chairman

Minutes approved [] as presented OR [] as amended ON [11/8/18] date