

**PELICAN BAY SERVICES DIVISION  
CLAM BAY COMMITTEE MEETING  
JULY 12, 2018**

The Clam Bay Committee of the Pelican Bay Services Division met on Thursday, July 12 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

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

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

**Also Present**  
Jennifer Bobka, Earth Tech  
Tim Hall, Turrell, Hall & Associates

Mike Shepherd, PBSB Board  
Jeremy Sterk, Earth Tech  
Trent Waterhouse, PBF

**APPROVED AGENDA (AS PRESENTED)**

1. Roll call
2. Agenda approval
3. Approval of 05/03/18 meeting minutes
4. Audience comments
5. Clam Bay
  - a. Update on hand-dug channel maintenance
  - b. Update on exotic maintenance
  - c. Canoe trail marker 12
6. Clam Pass
  - a. H&M June tidal ratio report
  - b. June aerial photos
  - c. FDEP requiring idle speed signage
7. Water quality
  - a. THA contract for WQ in 2018
  - b. Tomasko report on Nov. 2017-April 2018 Clam Bay WQ results
  - c. Copper results
  - d. Copper sediment testing in Upper Clam Bay
  - e. Documentation of rookery
  - f. Using hydrogen peroxide algaecide in swale on east side of berm
  - g. Upland pond WQ report
8. Next meeting: September 6
9. Adjournment

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**ROLL CALL**

All members were present 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 05/03/18 MEETING MINUTES**

**Mr. Hirniak motioned, Ms. O'Brien seconded to approve the 05/03/18 meeting minutes as amended. The motion carried unanimously.**

**AUDIENCE COMMENTS**

None

**CLAM BAY**

**UPDATE ON HAND-DUG CHANNEL MAINTENANCE**

Mr. Sterk commented that his firm, Earth Tech, has recently completed the annual hand-dug channel maintenance and IRMA debris removal work. Ms. McCaughtry commented that she is about to issue a notice to proceed to Turrell, Hall & Assoc. to review ETE's work. When THA completes the review, a report will be provided to PBSB staff. Mr. Sterk provided the committee with before and after photos of the channels where maintenance work was completed, as well as a map documenting every area of completed work (through GPS tracking).

**UPDATE ON EXOTIC MAINTENANCE**

Mr. Sterk reported a discovery of one patch of Brazilian Pepper (an invasive exotic), while working on the hand-dug channel maintenance field work. This area of exotics will be scheduled for removal.

**CANOE TRAIL MARKER 12**

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

**CLAM PASS**

**H&M JUNE TIDAL RATIO RESULTS**

Ms. O'Brien commented that the June tidal ratios are above .7 and look excellent.

**JUNE AERIAL PHOTOS**

Mr. Sterk provided the June Clam Bay aerial photos for review by the committee. Mr. Tim Hall, Turrell, Hall, & Assoc., commented on new growth areas of mangroves.

**FDEP REQUIRING IDLE SPEED SIGNAGE**

Ms. O'Brien commented that she will follow up with Mr. Dorrill on an e-mail from Mr. Dave Cook to Mr. Dorrill, which suggested that a condition of the FDEP Clam Bay permit requires that there be idle speed and no wake. At the May Clam Bay Committee meeting, Mr. Dorrill had commented that he would discuss this issue with Dr. Dabees.

**WATER QUALITY**

**THA CONTRACT FOR WQ WORK FOR 2018**

Ms. O'Brien commented that a new contract for Clam Bay water quality reports is now in place with Turrell, Hall & Assoc. Mr. Hall will review the Clam Bay Management Plan to determine whether four quarterly water quality reports are required, and then coordinate reporting with Dr. Dave Tomasko (Environmental Science Associates). Ms. O'Brien requested that the first report be available no later than Sept. 6.

**COPPER RESULTS**

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

**COPPER SEDIMENT TESTING IN UPPER CLAM BAY**

Mr. Tim Hall commented on his report on recent copper sediment testing in Upper Clam Bay which shows large variances in copper levels in the samples tested. He noted that none of the samples tested show copper levels in the "danger zone" (at a level where the biological system is considered poisoned). Mr. Hall recommended adding additional Upper Clam Bay sample points to the next system-wide sediment test, and he will do a proposal.

Mr. Shepherd questioned whether the FDEP could require a dredge of part of the Clam Bay estuary, and if so, what entity would be financially responsible. Ms. O'Brien suggested the likelihood of a cost shared project by the PBSB, the PBF, and the County. Mr. Hall commented that the FDEP could force remedial work. Mr. Sterk commented that the FDEP could force dredging of upland lakes. Ms. O'Brien commented on the tremendous progress that the PB community has made, as exemplified by 48% of copper sample exceedances in 2012 and just 16% exceedances in 2017 (with a goal of under 15% in any given year).

**DOCUMENTATION OF ROOKERY**

Mr. Hall commented on a recent conversation with Dr. Tomasko, who recommended keeping records/documentation on the number of nests and photos of the rookery in Upper Clam Bay. These could be used to support a response to an FDEP inquiry on high phosphorus levels, which would show these levels to be a natural result of the existence of the rookery.

**USING HYDROGEN PEROXIDE ALGAECIDE IN SWALE ON EAST SIDE OF BERM**

Mr. Hall commented that hydrogen peroxide is an effective algaecide. However, removing algae on the east side of the berm will cause an increase in nutrients entering Clam Bay.

**UPLAND POND WQ REPORT**

Ms. O'Brien commented that our contract with CH2MHill for upland pond water quality reports has expired and suggested the possibility of reducing the number of reports and/or the number of samples. Mr. Hall recommended the continuation of the reports and will consult with Dr. Tomasko to obtain his opinion on reducing the parameters. The committee commented in favor of continuing these reports.

**PHOTOS SENT TO THE COUNTY MANAGER'S OFFICE: AREA OF MANGROVE DIE-OFF**

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Mr. Sterk reported that a PB resident sent photos of a mangrove die-off area in Clam Bay to the County Manager's Office. Mr. Sterk commented that this die-off is a result of Hurricane Irma.

**NEXT MEETING:**

By consensus, the committee agreed that the next meeting of the committee would be held on September 6 at 1:30 p.m. Mr. Swider commented that it is critical for Ms. Jacob and Mr. Bolick to attend this meeting.

**ADJOURNMENT**

**The meeting was adjourned at 2:56 p.m.**

*Susan O'Brien*

Susan O'Brien, Chairman

Minutes approved [ ] *as presented* OR [  ] *as amended* ON [ 9-6-18 ] *date*