

**PELICAN BAY SERVICES DIVISION
CLAM BAY COMMITTEE MEETING
MARCH 8, 2018**

The Clam Bay Committee of the Pelican Bay Services Division met on Thursday, March 8 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
Gary Ventress (*absent*)

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

Mary McCaughtry, Operations Analyst
Lisa Jacob, Associate Project Manager
Barbara Shea, Recording Secretary

Also Present

Mohamed Dabees, Humiston & Moore
Tim Hall, Turrell, Hall & Associates

Jeremy Sterk, Earth Tech
Scott Streckenbein, PBSB Board

APPROVED AGENDA (AS AMENDED)

1. Roll call
2. Agenda approval
3. Approval of 01/04/18 meeting minutes
4. Audience comments
5. Water Quality
 - a. 2017 annual report
 - b. Sediment report
 - c. Copper results for Nov. 2017
 - d. Update on WIN entry
6. Clam Pass
 - a. February tidal ratio report
 - b. Minimizing Pass migration
 - c. Timeline for dredging-related activities
 - d. Other
7. Clam Bay
 - a. Update on debris removal
 - b. Update on hand-dug channel maintenance
 - c. Canoe trail marker 12
 - d. Bee sites
- 7.5 Beach Renourishment (*add-on*)
8. Clam Bay FY19 expenses
9. Clam Pass Park
 - a. Parking garage
 - b. Boardwalk to facilitate beach access

Pelican Bay Services Division Clam Bay Committee Meeting
March 8, 2018

10. Meeting with Seagate representatives
11. Water Management and Clam Bay committees
12. Next meeting: May 1 or 3
13. Adjournment

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 amended, with the addition of item #7.5. The motion carried unanimously.

APPROVAL OF 01/04/18 MEETING MINUTES

Mr. Hirniak motioned, Ms. O'Brien seconded to approve the 01/04/18 meeting minutes as presented. The motion carried unanimously.

AUDIENCE COMMENTS

None

WATER QUALITY

2017 ANNUAL REPORT

Mr. Tim Hall, consultant with Turrell, Hall & Assoc., provided and reviewed the 2017 annual water quality report, prepared by Dr. David Tomasko. The following highlights were discussed by the committee and consultants:

- 16 out of 98 samples exceeded the FDEP standard for copper. Dr. Tomasko's report recommended exploring sources of copper in nearby ponds in Upper Clam Bay.
- 33 out of 98 samples exceeded the FDEP standard for phosphorus. Dr. Tomasko's report recommended exploring seasonal changes in abundance of wading birds and their nesting habits. Mr. Sterk will obtain monthly drone photos of the nesting birds in Upper Clam Bay from March to May. Mr. Hall suggested that phosphorus samples may have been adversely affected by Hurricane Irma, which may have stirred up sediment containing phosphorus.
- 13 out of 98 samples exceeded the FDEP existing guidance criteria for dissolved oxygen.

By consensus, the committee agreed to continue with Tomasko water quality reports for the first three quarters of 2018 and an annual report, and discontinue the 4th quarter report.

Mr. Hirniak motioned, Ms. O'Brien seconded that we recommend to the Water Management Committee that they consider recommending that the CH2M Hill quarterly reports be restarted. The motion carried unanimously.

SEDIMENT REPORT

Mr. Hall commented on his January 2018 Clam Bay Sediment & Surface Water Copper Analysis Report, as provided in the agenda packet. After discussion, Ms. O'Brien recapped the committee and consultant consensus of follow-up to include:

**Pelican Bay Services Division Clam Bay Committee Meeting
March 8, 2018**

- Obtain drone photos of nesting bird colonies in Upper Clam Bay which may be contributing to high phosphorus levels.
- Continue with CH2M Hill water quality reports.
- Mr. Hall will prepare a proposal for selective sediment testing in Upper Clam Bay, in order to determine whether high copper levels are basin 4 sourced.
- Mr. Sterk's sediment testing results from last year will be reviewed for comparison to this year's results.

COPPER RESULTS FOR NOV. 2017

Ms. O'Brien commented that the November 2017 copper results looked good.

UPDATE ON WIN ENTRY

Ms. Jacob will contact the Collier County lab to determine when the lab expects to begin WIN entry for Clam Bay data.

CLAM PASS

FEBRUARY TIDAL RATIO REPORT

Dr. Mohamed Dabees, consultant with Humiston & Moore, commented that the January and February 2018 tidal ratios are below the critical threshold, which has triggered a bathymetric survey to be completed.

TIMELINE FOR DREDGING-RELATED ACTIVITIES

Dr. Dabees commented on the potential for a Clam Pass dredging project within the next few months and highlighted the following:

- The Clam Bay Management Plan protocols are being followed.
- A bathymetric survey of sections A, B, & C has been completed.
- The quantities of sand identified in the bathymetric survey will determine the need for a dredging project; exceeding a specified sand threshold is required to justify a project.
- A decision to dredge will immediately be shared with Mr. Dorrill, the PBSB board, and the County.
- A dredge decision will trigger a shore bird survey to be completed by Mr. Sterk and the preparation of dredge construction plans to be completed by Dr. Dabees.

Ms. O'Brien requested that Mr. Dorrill provide the PBSB board with a timely decision update and the timing of when construction plans will be available for board approval.

CLAM BAY

UPDATE ON DEBRIS REMOVAL/HAND-DUG CHANNEL MAINTENANCE

Ms. Jacob commented that the PBSB is planning to determine from FEMA which areas of Clam Bay, including the berm, hand-dug channels, and the waterways will be eligible for FEMA reimbursement for debris removal. Based on this determination, the PBSB, with the assistance of our FEMA consultant, will bid out the entire debris removal project. The debris removal and maintenance of the hand-dug channels will be completed at the same time.

CANOE TRAIL MARKER 12

**Pelican Bay Services Division Clam Bay Committee Meeting
March 8, 2018**

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

BEE SITES

Mr. Sterk commented on having a bee expert on his staff, and asked whether the PBSB would be interested in installing any bee boxes in Clam Bay, which would result in pollenating the mangroves and providing an educational experience for residents. Ms. O'Brien suggested this option be referred to the Pelican Bay Foundation.

BEACH RENOURISHMENT (ADD-ON)

Mr. Streckenbein commented on his 2/28/18 meeting with Mr. Gary McAlpin, Manager, Coastal Zone Management. Highlights included, (1) the County has completed a beach profile survey from Vanderbilt Beach to Clam Pass, (2) no Pelican Bay beaches are critically eroded, (3) based on current conditions, no Pelican Bay beaches would qualify for the County's Jan. 2019 beach resiliency program, (4) Humiston & Moore could be tasked by the PBSB to estimate the cost of a beach resiliency program (to match the County's program) for Pelican Bay beaches, and (5) the PBSB has no permit for beach renourishment from markers 37-41, and we have the opportunity for the County to obtain such a permit for us. At the suggestion of Ms. O'Brien, Mr. Streckenbein will contact the PBF to weigh in on our proceeding with securing an appropriate beach renourishment permit.

Dr. Dabees does not recommend adding sand to any beaches near the Clam Pass critical inlet.

CLAM BAY FY19 EXPENSES

Ms. O'Brien provided a draft FY19 Clam Bay budget and requested that staff review the draft and provide it to the Budget committee.

CLAM PASS PARK

PARKING GARAGE

Ms. O'Brien commented that the construction of a parking garage at the Clam Pass Park parking lot is still under consideration by the County.

MEETING WITH SEAGATE REPRESENTATIVES

Ms. O'Brien suggested meeting annually with Seagate representatives to improve communication and provide them with copies of our consultants' reports. Mr. Hirniak expressed his ambivalence to this suggestion, and instead, suggested that the PBSB board weigh in on this issue.

WATER MANAGEMENT AND CLAM BAY COMMITTEES

Mr. Streckenbein commented that he has considered merging the Clam Bay committee and the Water Management committee into one. Ms. O'Brien suggested that the two committees meet together, from time to time, when common concerns arise. She also suggested that the PBSB board weigh in on this issue.

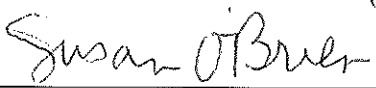
NEXT MEETING:

**Pelican Bay Services Division Clam Bay Committee Meeting
March 8, 2018**

By consensus, the committee agreed that the next meeting of the committee would be held on May 3 at 1:30 p.m.

ADJOURNMENT

The meeting was adjourned at 3:24 p.m.



Susan O'Brien, Chairman

Minutes approved [] as presented OR [] as amended ON [5/3/18] date