

**PELICAN BAY SERVICES DIVISION  
CLAM BAY COMMITTEE MEETING  
FEBRUARY 2, 2017**

The Clam Bay Committee of the Pelican Bay Services Division met on Thursday, February 2 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 (*absent*)  
Gary Ventress

**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**  
Tim Hall, Turrell, Hall & Associates

Mike Shepherd, PBSB Board  
Jeremy Sterk, Earth Tech

**APPROVED AGENDA (AS AMENDED)**

1. Roll call
2. Agenda approval
3. Approval of 12/19/16 meeting minutes
4. Audience comments
5. Mangrove die-off
  - a. THA December report
  - b. H & M December tidal ratio data
  - c. Elevation and bathymetric surveys
  - d. Maintenance of drains along Bay Colony Drive
  - e. Permit to construct new hand-dug channels, if needed
  - f. Maintenance of hand-dug channels
  - g. Additional consultant support
  - h. Previous permits for work in Clam Bay
  - i. Intervention strategies
  - j. Establishing a target date for biannual mangrove testing (*add-on*)
6. Clam Bay monitoring in 2017
7. Water quality monitoring
  - a. Copper results
  - b. 2016 copper report
  - c. Tomasko 2016 annual report on TP and TN
  - d. Sediment testing for TP
  - e. 2017 monitoring and reporting
    - i. Include copper and other selected parameters
    - ii. Include only nine Clam Bay and six berm sampling sites

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- iii. Add analysis to report
- 8. Next meeting: March 2
- 9. Adjournment

**ROLL CALL**

Mr. Hirniak was absent and a quorum was established

**AGENDA APPROVAL**

**Mr. Ventress motioned, Ms. O'Brien seconded to approve the agenda as amended with the addition of discussion item #5j. The motion carried unanimously.**

**APPROVAL OF 12/19/16 MEETING MINUTES**

**Mr. Ventress motioned, Ms. O'Brien seconded to approve the 12/19/16 meeting minutes as amended. The motion carried unanimously.**

**AUDIENCE COMMENTS**

None

**MANGROVE DIE-OFF**

**THA DECEMBER & JANUARY REPORTS**

Mr. Tim Hall reported (1) January observations indicate no expansion of the original mangrove die-off area, (2) recent observations show that the Clam Bay estuary system recovered fairly quickly after a late January storm, with water receding back to previous levels, and (3) some seedling regeneration can be observed in some of the stressed areas.

**H&M DECEMBER & JANUARY TIDAL RATIO DATA**

Humiston & Moore December and January tidal ratio data was provided in the agenda packet.

**ELEVATION AND BATHYMETRIC SURVEYS**

Mr. Sterk commented that the elevation survey, to be completed by a coastal surveyor, subcontracted under Humiston & Moore, will begin on Monday, Feb. 6 and will include three field days. Results will be available at the next Clam Bay committee meeting.

**MAINTENANCE OF DRAINS ALONG BAY COLONY DRIVE**

Ms. O'Brien reported on a recent meeting with Ms. LuAnn Giovannelli, General Manager of Bay Colony Community Association. Ms. Giovannelli agreed that her association would complete the necessary maintenance to clean out clogged catch basins/drains adjacent to the retaining wall along Bay Colony Drive.

**PERMIT TO CONSTRUCT NEW HAND-DUG CHANNELS, IF NEEDED**

Mr. Sterk suggested that no decision be made to pursue a permit to construct new hand-dug channels until the elevation survey can be reviewed and evaluated.

**MAINTENANCE OF HAND-DUG CHANNELS**

Mr. Sterk commented on his continued mapping of the existing hand-dug channels.

**ADDITIONAL CONSULTANT SUPPORT**

Mr. Sterk reported on his recent contact with Mr. Robin Lewis, the consultant who worked on originally establishing the Clam Bay hand-dug channels. Mr. Sterk commented that Mr. Lewis is available and interested in Clam Bay consulting work, for which a detailed scope of work would need to be developed. Mr. Ventress commented that any discussion with Mr. Lewis is premature at this time.

**PREVIOUS PERMITS FOR WORK IN CLAM BAY**

Ms. O'Brien provided copies of previous permits for work in Clam Bay, including (1) the original permit which allowed for work to increase the depth and width of existing channels, and (2) a permit which was issued to pump water out of Clam Bay; however, the permit was never actually used.

**INTERVENTION STRATEGIES**

Ms. O'Brien suggested that further discussion on intervention strategies be postponed until after the elevation survey is evaluated.

**ESTABLISHING A TARGET DATE FOR BIENNIAL MANGROVE MONITORING (ADD-ON)**

Mr. Sterk suggested establishing March and September as target dates for biennial mangrove monitoring.

**CLAM BAY MONITORING IN 2017**

Ms. Jacob commented that an RFQ has been sent out to 5 environmental consultants (per the County list of approved firms on contract for Clam Bay environmental services) for 2017 and 2018 Clam Bay monitoring. Quotes are due back by Feb. 22.

**WATER QUALITY MONITORING**

**COPPER RESULTS**

Ms. O'Brien commented that samples collected at nine CB sites on 11/9/16 show that copper levels met FDEP criteria.

**2016 COPPER REPORT**

Mr. Tim Hall reported that Dr. Tomasko is updating his Clam Bay annual water quality monitoring report to include copper and dissolved oxygen.

**TOMASKO 2016 ANNUAL REPORT ON TP AND TN**

Dr. Tomasko's 2016 Clam Bay annual water quality monitoring report was provided in the agenda. Ms. O'Brien briefly discussed highlights of the report.

**SEDIMENT TESTING**

In light of high total phosphorus levels in Clam Bay, Mr. Sterk and Mr. Hall recommended biennial sediment testing at ten sites in widespread areas within Clam Bay. Ms. Jacob will proceed with developing an RFQ for this testing.

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**2017 WATER QUALITY MONITORING AND REPORTING**

Mr. Tim Hall recommended having a water quality expert prepare the 2017 water quality analysis, in light of nearly impaired phosphorus levels in Clam Bay. After discussion, the committee and staff agreed that the 2017 water quality monitoring and reporting RFQ should include, (1) analysis of data, (2) an opinion on possible causes of water quality impairment, (3) recommendations for improvement of water quality, (4) testing to include copper, nitrogen, phosphorus, and dissolved oxygen, (5) continuation of quarterly reporting of water quality data and annual analysis, and (6) inclusion of nine Clam Bay and six berm sampling sites.

**NEXT MEETING: MARCH 2, 2017**

By consensus, the committee agreed that the next meeting of the committee would be held on March 2 at 1:00 p.m.

**ADJOURNMENT**

**The meeting was adjourned at 2:10 p.m.**



Susan O'Brien, Chairman

Minutes approved [] as presented OR [] as amended ON [ 3/2/2017 ] date