

TOWN OF PALM BEACH

Office of the Town Clerk

REPORT OF THE SHORE PROTECTION BOARD MEETING HELD ON MARCH 17, 1998

I. CALL TO ORDER

The meeting of the Shore Protection Board was called to order at 2:07 P.M. on March 17, 1998, in the meeting room of the Town of Palm Beach South Fire-Rescue Station.

II. ROLL CALL

On roll call the following Shore Protection Board Members were in attendance: Chairman Garrison duP. Lickle, Vice Chairman George M. Moffett, II, Board Members Eileen C. Curran, Wayne F. Dimm, Edward Hennessy, Jr., Charles C. Isiminger, Gerald H. Levy, Joel Martino, and Richard Raffo. Others in attendance for all or a portion of the meeting included: Town of South Palm Beach Mayor Margot Roberts, Town of South Palm Beach Commissioner Ernest Muro, City of Lake Worth Projects Manager Ray Smith, Applied Technology & Management (ATM) Vice President Dave Decker, and Aubrey Consulting, Inc. Coastal Engineer Bob Hamilton. Staff members in attendance from the Town of Palm Beach were: Assistant Town Manager Peter Elwell, Public Works Director Al Dusey, and Deputy Town Clerk Susan Eichhorn.

III. APPROVAL OF AGENDA

The Agenda was unanimously approved as printed, through motion of Board Member Edward Hennessy, seconded by Vice Chairman George Moffett.

Assistant Town Manager Peter Elwell made several announcements related to some relevant items that had been considered at the Town Council Meeting of March 10, 1998:

The Town Council had reiterated its support for the dedicated funding source at the State level, approving Resolution 14-98. The Town would continue to participate in the Statewide

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lobbying effort to encourage the Legislature to fund the beach projects that were proposed for State assistance, and to dedicate \$30 million per year for that purpose.

Regarding the Tri-Party Agreement between Palm Beach County, the Port of Palm Beach, and the Town as local sponsors of the Lake Worth Inlet project, the Town Council had approved staff proceeding to negotiate the terms of an addendum to the existing Agreement for the purposes of providing for shared local sponsorship of the Corps of Engineers study. An addendum had been provided for Town Council review, and that had been approved.

Mr. Elwell reported that Public Works Al Dusey had formulated the funding application to submit via Resolution to the Florida Beach Erosion Control Program, and that had been approved by the Town Council in its entirety.

The Mid-Town beach would be tilled, which was a permit condition requirement, to be sure that the sand pumped onto the beach did not become too compact and inhibit sea turtle nesting. Within the next several weeks there would be equipment on the beach implementing the process.

In response to a question, Mr. Elwell referred to correspondence that had been distributed regarding the Administrative Hearing filed by Dr. Kuvin concerning Kuvin and Koontz vs. U. S. Army Corps of Engineers and State of Florida Department Environmental Protection. The Administrative Hearing had been put in abeyance so that discussion could take place as to how the permit of the Corps could be modified so that the desire of the Town to have the ability to bring sand to Mid-Town (when the northend was full of sand) could be satisfied. At the same time the northend property owners could be satisfied that they would not be left bare of sand. There would be some agreed upon parameters that would govern when the sand could be moved. There had been some compromises worked out in this regard, and the parties were all working toward the ultimate solution.

**IV. CONSIDERATION OF "PEER REVIEW" REPORT REGARDING THE
COMPREHENSIVE COASTAL MANAGEMENT PLAN UPDATE**

Coastal Engineer Bob Hamilton addressed the Shore Protection Board, stating that he would present the findings of the "Peer Review." Discussion and questions would be ongoing throughout the presentation.

Mr. Hamilton explained that the original Comprehensive Coastal Management Plan (CCMP) was developed in 1986. After a period of ten years, it became clear that updating the plan would be

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necessary; there was more data available, and additional projects were needed. Applied Technology & Management thus updated the CCMP in 1997, and Aubrey Consultants, Inc., had been retained to provide a third party independent assessment on a technical basis, to conduct a Peer Review of that plan to offer comments and recommendations. The focus was based on a regional approach to managing the shoreline. The CCMP would undergo final revision after consideration of the Peer Review.

Mr. Hamilton noted that the recommendations would have significant impacts on many phases of the project, including how the engineering analysis would be performed, and the implementation and management of high priority projects. The Peer Review provided additional information that was important for the planning process in the form of recommendations. Mr. Hamilton explained that after the CCMP was received, a team of five people worked on the project, with each team member reviewing the document and arriving at criticisms, and recommendations. After the individual comments were received, Mr. Hamilton had synthesized them into main category areas. The synthesis had then resulted in the Peer Review report, which followed the following outline:

- ◇ Specification of high priority projects.
- ◇ Revision of CCMP based on recommendations.
- ◇ Moving forward to seek approval and funding
- ◇ Implementing the high priority projects.
- ◇ Adapting long term management practices.

Recommendations in the Peer Review were represented under five major categories:

1. Coastal Engineering Planning and Design.
2. Alternative Analysis.
3. Environmental Concerns and Permitting.
4. Cost Estimate and Funding Analysis.
5. Monitoring and Adaptive Management.

Coastal Engineering Planning and Design: Recommendations were to develop and maintain some regional tools (Regional Sediment Budget Analysis; Detailed Wave Modeling; Regional Sediment Transport and Shoreline Change Model) that could be used on an inlet to inlet basis, to design the most appropriate projects for particular reaches, as well as to complement the needs of the shoreline as a whole.

Alternative Analysis: The engineering planning and design tools should be used to complete a project alternatives analysis to evaluate and refine the series of recommended projects. The alternatives analysis would ensure that the most appropriate projects were recommended to protect individual shorelines reaches, as well as benefit Palm Beach Island as a whole. In addition

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to environmental and cost concerns, specific coastal processes that should be addressed by the alternatives analysis should include:

- ◇ Selection of appropriate design conditions.
- ◇ Beach replenishment project design.
- ◇ Use of T-groins or other structures.
- ◇ Solution for Reach 6.
- ◇ Determine where sand bypassed from Lake Worth Inlet should be deposited.

Environmental Concerns and Permitting: The quality of sand must be considered, as well as the source of sand offshore; a regional sand source investigation was being recommended in order to determine the availability of sufficient beach material. A detailed hardbottom habitat survey was also recommended, as well as an evaluation of the impacts of proposed groins.

Cost Estimate and Funding Analysis: Pursuit of funding for the long term plan was recommended. Cost estimates should be clarified to provide a reliable estimate of project costs for presentation to the Town Council.

Monitoring and Adaptive Management: Use monitoring data and regional models to improve future projects. Goals for the project should be identified, as well as the criteria to be used for judging the success of each project.

Mr. Hamilton suggested that a progress report be submitted on an annual basis throughout the project. Significant management would be required for monitoring purposes.

In response to the query of Board Member Martino, Mr. Hamilton replied that it would be possible to fund a graduate student for the purpose of monitoring the project, although he was not sure that the necessary response would be attained. Another possibility would be to have a Beach Chief who was technically capable of implementing and monitoring the projects, or to have a consultant already on board monitor the project.

Mr. Hamilton and Mr. Dave Decker of Applied Technology & Management, Inc., indicated that they are in general agreement regarding the Peer Review and that they would collaborate on the revision of the CCMP Update.

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**V. IDENTIFICATION OF TIME, LOCATION, AND ITEMS FOR CONSIDERATION
AT THE NEXT SHORE PROTECTION BOARD MEETING**

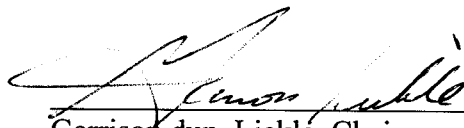
Dr. Stronge would be scheduled to attend the next meeting of the Shore Protection Board, which was scheduled for April 21, 1998, at 2:00 P.M. in the meeting room of the South-Fire Rescue Station.

VI. ANY OTHER MATTERS

Board Member Martino referred to the survey conducted by Dr. Stronge, suggesting that further discussion take place with Dr. Strong regarding the specific nature of several of the questions.

VII. ADJOURNMENT

The meeting was adjourned at 5:05 P.M.


Garrison dup. Lickle, Chairman

Prepared by: Susan Eichhorn
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