



TOWN OF PALM BEACH

Office of the Town Clerk

REPORT OF THE SHORE PROTECTION BOARD MEETING HELD ON MAY 15, 1997

- I. **CALL TO ORDER:** The Shore Protection Board meeting was called to order at 1:37 p.m. at the South Fire Rescue Station by Chairman Garrison D. Lickle.
- II. **ROLL CALL:** On roll call, the following Board Members were found to be in attendance: Garrison D. Lickle, George M. Moffitt III, Eileen C. Curran, Wayne F. Dimm, Charles C. Isiminger, Joel Martino, and Richard Raffo. Edward Hennessy, Jr. did not attend the meeting. Also attending the meeting were: Mayor Margot Roberts, South Palm Beach; Commissioner Ernie Muro, South Palm Beach; and Engineering Assistant Bob Clinger, Palm Beach County Department of Environmental Resources Management. From the staff of the Town of Palm Beach, Town Manager Robert Doney; Assistant Town Manager Peter Elwell; Director of Public Works Al Dusey; and Town Clerk Mary Pollitt attended the meeting.
- III. **APPROVAL OF AGENDA:** The agenda was approved as printed.
- IV. **CONSIDERATION OF REPORT OF MEETING HELD ON APRIL 15, 1997:** The report from the April 15, 1997, meeting was approved.
- V. **PRESENTATION AND DISCUSSION REGARDING COASTAL PROJECTS IN THE TOWN OF JUPITER ISLAND—DR. DAVID AUBREY, PRESIDENT, WOODS HOLE GROUP:** Dr. David Aubrey was in Istanbul, Turkey, and did not attend the meeting. Robert P. Hamilton, Jr., a coastal engineer from the Woods Hole Group and Mark R. Byrnes, Ph.D, a coastal oceanographer from the Woods Hole Group presented the Jupiter Island information.

Mr. Wayne Dimm introduced Dr. Byrnes and Mr. Hamilton from the Woods Hole Group who presented the Shoreline Management Plan for Jupiter Island and explained the structure of the Woods Hole Group. Mr. Dimm stated that Jupiter Island had gone from the point of houses falling into the sea to a substantial beach without any groins in a two year period.

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Dr. Byrnes explained that a long term goal for a project requires a series of steps starting with understanding the coastal processes including the impact of inlets on the sediment input, the influence of waves, tides and currents, and the evaluation of maintenance and renourishment. Dr. Byrnes emphasized the role of team relationships in resolving the problems and securing funding for the project. The ultimate goal is the implementation of the project with an adopted management plan that will certainly have changes in the future.

Mr. Hamilton reported on the progress made by his company after fourteen years with Jupiter Island and presented a historical perspective for the area starting in the 1800's. Mr. Hamilton mentioned the similarities that exist between the Town of Palm Beach and Jupiter Island including the artificial openings from the barrier islands into the Intracoastal Waterway and similar wave influences on the beaches. Mr. Hamilton outlined the flow of sand and the sand depositories along the coastline for Jupiter Island and the Town of Palm Beach. Mr. Hamilton said that Jupiter Island spent \$25 million from private funds for beach nourishment projects including 12.5 million cubic yards of sand.

Mr. Hamilton addressed the issues of "hot spots" on the beaches and inlet navigation cuts that affect the distribution of sand in a southerly direction. Mr. Hamilton reported that the data his group collected for Jupiter Island indicated the wave energy was greater in hot spot areas and off-shore deep water areas with shoals and shelves were redirecting the waves. Some of these areas were areas where sand was dredged in previous years to renourish the beaches. Mr. Hamilton warned of the problems connected with dredging sand in shallow waters.

Mr. Hamilton said traditional methods were recommended to renourish the beaches at Jupiter Island. He stressed that long term maintenance costs be considered up front to plan for the types of methods best suited for a particular plan.

Mr. Hamilton reported the recent Jupiter Island project plan required 1.6 million cubic yards of sand at a cost of \$8 million. The project spanned a large shoreline and consisted of large scale beach nourishment, by-passing the inlet, and addressing the local hot spot issues within the beach nourishment areas. Groins were shown on the plan that would be used to control some of the hot spot areas as identified on the graph that was presented by Mr. Hamilton. Mr. Hamilton pointed out that the goal of the headlands shown in the plan was to maintain the beach nourishment at the hot spots and the life of the surrounding large scale nourishment, and the wave structure was used to determine the width between the headlands .

Mr. Hamilton said his group conducted workshops with the Jupiter Island Town Council to make them aware of the intent and progress of the project.

Mr. Hamilton said the key to solving Jupiter Island's problem was to have the Corps of Engineers consider the interests of all of the parties who are affected by the decisions of the

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(St. Lucie) Inlet and to include this information in their Re-evaluation Review. Mr. Hamilton said the beach was renourished with sufficient sand, and the goal is to keep the beach maintained with sand that may be pumped or trucked to the south of the Inlet onto the beach.

Mr. Hamilton commented that the cooperation of all of the municipalities from the north Inlet to the south Inlet in Palm Beach would be essential for a plan to at least maintain the present beaches and look forward to the future. He said local specialists such as engineers, beach surveyors, and construction personnel are critical for the project to work as a whole.

Mr. Hamilton suggested the Town's updated Comprehensive Coastal Management Plan should be reviewed. He said his final recommendation would be related to developing a scope for a regional shoreline management plan including a series of issues: development of a project plan; prioritized list of inlet-to-inlet beach solutions; addressing the issue of local hot spots; integrating all of the inlet management strategies; creation of a general engineering plan including permitting; and a community cooperation agreement.

The Shore Protection Board members discussed the subject of peer review for any shore protection projects considering timing and economic issues. After discussing the updating of the Comprehensive Coastal Management Plan and its relation to the inlet-to-inlet approach for shoreline management, Mr. Lickle explained that the Town's selection committee consisting of Councilman Jack McDonald, Public Works Director Al Dusey, Town Engineer Jim Bowser, and himself (Gary Lickle) designated three engineering firms (Coastal Planning and Engineering, Applied Technology & Management, and Coastal Technology Corporation) for Town projects. Mr. Lickle said an additional selection process would have to occur to select other firms for peer review, and he provided details of the selection procedure.

Mr. Elwell said the Shore Protection Board would have the opportunity to review the Applied Technology presentation before it was presented to the Town Council and comments and suggestions can be made at that time. Mr. Elwell mentioned peer review of the entire Comprehensive Coastal Management Plan could slow the overall process whereas review of specific projects within the plan may be more appropriate. The Shore Protection Board agreed that they would be considering recommendations after the Applied Technology & Management Plan was submitted and reviewed.

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

The Committee decided they would like to have a report from Applied Technology & Management regarding the Comprehensive Coastal Management Plan and an update on the funding for a proposed newsletter.

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The next meeting for the Shore Protection Board was set for June 17th or 18th at the South Fire-Rescue Station. *(The meeting was later confirmed for June 18, 1997, at 1:30 p.m.)*

VII. ANY OTHER MATTERS

Mr. Lickle announced the first turtle nesting survey was available with the number of turtle nestings at the second highest level ever recorded. The Mid-Town Beach's numbers were highly encouraging.

Mr. Elwell reported that the price to publish a black and white printed newsletter based on four quarterly issues was approximately \$15,000. The purpose of the newsletter would be to inform residents of the condition and requirements for protecting the shoreline. Mr. Elwell recommended submitting that proposed price to the Finance & Taxation Committee at meetings scheduled for the end of May. The Committee's recommendation would be considered at the June 10, 1997, Town Council meeting.

Mayor Roberts from South Palm Beach suggested the idea of a newsletter should be submitted to the Mayors and Town Councils from the other municipalities affected by the plan to protect the shoreline for their comments.

After discussing the issue of publication of a newsletter, **THE COMMITTEE RECOMMENDED THE PRESENTATION OF THE CONCEPT OF PRINTING A NEWSLETTER AT AN APPROXIMATE COST OF \$15,000, WITH THE FIRST NEWSLETTER TO BE PRINTED IN OCTOBER OR NOVEMBER 1997, TO THE FINANCE & TAXATION COMMITTEE FOR INCLUSION IN THE PROPOSED FY98 BUDGET.**

Mr. Dusey reported that the Sand Transfer Plant continues to pump sand as it is available. So much sand has been pumped that the outfall sometimes is blocked. Palm Beach County applied to the State of Florida to monitor the beach south of the outfall to allow a bulldozer to level out the mound of sand, as needed.

Mayor Margot Roberts, South Palm Beach, reported that the Intergovernmental Issues Forum of Palm Beach County met the previous week, and Rich Walesky from Palm Beach County discussed the thirty year plan for restoring and maintaining the beaches in Palm Beach County. Mayor Roberts said a subcommittee was formed to plan the implementation and the funding for a thirty year plan. Mayor Roberts offered to update the Shore Protection Board as information becomes available from the group.

The Shore Protection Board requested that the staff obtain the Captiva Island video tape to be shown at the next meeting.

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VIII. ADJOURNMENT: The meeting was adjourned at 4:45 p.m.

SHORE PROTECTION BOARD


Garrison D. Lickle, Chairman

Prepared by:

Mary A. Pollitt
Town Clerk