

Shore Protection Manager

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CARTERET COUNTY BEACH COMMISSION MEETING

Minutes

Pine Knoll Shores Town Hall

April 25, 2005, 2 pm

Acronyms:

EI – Emerald Isle

NCDCM – N.C. Division of Coastal Management

USACE – United States Army Corps of Engineers

Attendance.

Commission chair Buck Fugate, vice-chair William Donnelly, Commission Members Jack Goldstein, Jerry Huml, Joan Lamson, Ted Lindblad, Pat McElraft, Vincent Oliveri, Jim Stephenson, Jim Willis III, secretary Greg Rudolph, and the general public. Member Tom Doe III (e) was absent.

- (1) **Call to Order.** – Chairman Fugate called the meeting to order and the Commission agreed to amend the agenda by permitting Jeff Warren with NCDCM to speak first and give us his presentation to the Beach Commission regarding the State's proposed Sediment Criteria Recommendations for Beach Nourishment and Dredged Material Disposal.

- (2) **North Carolina's Sediment Criteria Recommendations for Beach Nourishment and Dredged Material Disposal** – Jeff Warren, a coastal hazards specialist with NCDCM provided a PowerPoint presentation to the Commission (see <http://www.protectthebeach.com/minutes/2005/sediment%20compatibility.ppt>) regarding the N.C.'s Science Panel's recommendations for sediment compatibility in regards to beach nourishment and dredge material disposal. Mr. Warren presented sediment samples including various grain sizes to the Commission as well. Member Lindblad asked who would bear the burden of evaluating the sediments compared to the criteria, which Mr. Warren replied the project sponsor or their consultants. Member Willis asked if the percentages delineated in the recommendations only apply to the surficial most layer of the beach or to a certain depth. Likewise, member McElraft noted that the native beach characterization language also needs to address exactly where in the vertical sense sampling is to take place. Mr. Warren answered that these aspects of the recommendations will need to be explored. Members Goldstein and McElraft mentioned that coarse material creates an important foundation for the beach and shouldn't be compromised by the proposed regulations because this helps the beach's longevity. Member Willis also cautioned that some of the language could prohibit Brandt Island material from being delivered to Bogue Banks, and also noted that offshore disposal should be regulated in the context of some of the sediment criteria recommendations. At the conclusion of the presentation, chairman Fugate thanked Mr. Warren for his efforts and for keeping the sediment compatibility guidelines fact-based and data-driven.

- (3) **Approval of Minutes (Regular Beach Commission Meeting – March 28, 2005).** – Chairman Fugate asked the Commission if there were any corrections, additions, or comments regarding the minutes presented in the agenda packet. No comments were forthcoming from the Commission and Member Lindblad motioned that the minutes from the Commission's regularly-scheduled March meeting be approved as presented. The motion was seconded by vice-chair Donnelly and unanimously approved.
- (4) **Occupancy Tax and "Beach Fund" Update.** – Secretary Rudolph noted that the February and March 2005 occupancy tax collection statements were attached to the Commission's agenda packet, and that the monthly collections have been fluctuating up or down compared to last year's collections for the same months. The February 2005 collection was down compared to February 2004 and conversely the March 2005 collection up compared to March 2004. However, the FY 2004-05 year-to-date figure remains approximately 7% up compared to the same point in time in FY 2003-04. Member Goldstein mentioned that the March 2005 figure could be deceiving because the Easter holiday was in March, rather than the customary month of April. Likewise, the weekend weather has been poor this month and that could translate into a relatively low occupancy tax receipt for the month of April 2005.
- (5) **Beach Restoration Projects Update.** – Secretary Rudolph initiated the discussion by mentioning that the Bogue Inlet Channel/Western EI Beach Nourishment Project was completed this past Friday (4/22/05). The first construction phase of the project included channel excavation with concurrent beach nourishment, while the second phase included channel excavation with concurrent dike construction. A total of approximately 1,000,000 million cubic yards of shoal material was dredged for the project with roughly 700,000 cubic yards utilized for beach nourishment and 300,000 cubic yards utilized for dike construction. The sand settled at a steeper slope than anticipated for the dike, which ultimately means that less sand was required to achieve the dike template. Any additional sand was added to the length of the dike and therefore the final construction length of the dike was 2,200 linear feet rather than the 2,000 feet initially planned for the project. The secretary added that the demobilization process for all dredging equipment should take 7 – 10 days to complete and EI's Western Regional Access should also be re-opened within the next 10 days.

Member Stephenson asked how the new channel was functioning. Secretary Rudolph answered that according to Weeks Marine, the new channel is experiencing significant flow and the old channel has seen a decrease in current velocity. The booster pump was positioned in the old channel at the beginning and near the end of the project, and observations from this vessel represent a good, relative measure the currents in the old inlet. The secretary added that the Shore Protection Office requested Coastal Science & Engineering to prepare a proposal to survey the old and new inlets and collect current velocity measurements of these features to document whether or not the new channel has captured the majority of tidal flow in the Bogue Inlet floodway. Member Willis asked if the proposed survey would capture the flood tide delta portion of the inlet near Dudley's Island. Secretary Rudolph replied "yes" and added that the Beach Commission does not necessarily have to pay for the additional work because the \$7,500 set aside for a post-hurricane survey was not utilized this year and these funds could be conveyed to the proposed survey scope of work. As delineated in the agenda, there is a desire to include Bogue Inlet in the Shore Protection Project as a source of sand while concurrently maintaining the inlet a central position in the floodway, and data gathered upfront could help this proposal to be incorporated with

the Shore Protection Office. Chairman Fugate noted that the Beach Commission has a directed interest in maintaining shallow draft inlets as well besides beach nourishment. Chairman Fugate also added that the NCDCM and the USACE are also planning to survey Bogue Inlet and the Commission should make sure there is no duplication in efforts. Secretary Rudolph replied that there could be some duplication of efforts and that the government survey would not include current measurements. The secretary concluded by noting that he would assemble all the information regarding the multiple surveys and cost proposal for the Beach Commission's May meeting.

Secretary Rudolph mentioned that Olsen Associates has invoiced approximately one-half of the report preparation line item and that the final report should be completed by the fall of this year. Olsen Associates has completed the field collection portion of the project and has started to calculate volume and contour changes. Member Huml asked if there would be an interim meeting with Olsen Associates before the final report is completed. The secretary agreed to arrange a pre-draft report meeting with Olsen Associates.

The secretary also mentioned that the USACE has reprogrammed \$56,000 towards the Bogue Banks Shore Protection project Feasibility Study that will require a non-Federal match. This should help the USACE complete the National Economic Development Plan for the project with only \$100,000 remaining in the entire study effort for a cultural resources survey. This survey could be conducted after the report is completed and will be dependent on where the borrow sites are positioned.

- (6) **Public Comment.** – None.
- (7) **Other Business.** – Chairman Fugate reiterated that the Bogue Banks Beach Preservation Association is hosting an inaugural East Coast Waterways & Beaches Symposium on August 12th at the Sheraton. The agenda includes the Deputy Director Civil Works and possibly Senator Richard Burr, and several sponsors have already been secured. Member Huml mentioned that State House Bill 1542 was introduced last week (North Carolina Beach and Coastal Waterways Conservation, Restoration, and Public Access Act). Chairman Fugate added that the bill would create an advisory council that would guide the State beach & inlet management recommended in the Coastal Habitat Protection Plan.
- (8) **May 2005 Meeting Date (May 23, 2005 – proposed).** – It was agreed upon that the next Beach Commission meeting would be held on May 23rd at 2:00 pm.
- (9) **Adjourn.** – Chairman Fugate asked for any additional comments and with no additional comments forthcoming, the meeting was adjourned.