

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

WORKSHOP SUMMARY

Meeting Date: June 28, 2011

Department: Environmental Resources Management

I. EXECUTIVE BRIEF

Title: Review of erosion control structures as part of the County's shoreline protection efforts.

Summary: Staff will present the Board with a review of shoreline protection measures throughout the County. Representatives from each of the State and Federal permitting agencies will be in attendance to provide brief comments on their role in the permitting process for the Singer Island Erosion Control Project and address any questions from the Board.

Background and Policy Issues: The preferred methods of shoreline management are sand placement projects such as inlet bypassing, dune restoration and beach nourishment. Along some sections of beach, these alternatives are either ineffective or would result in an unacceptable level of impacts to coastal resources. In these circumstances, erosion control structures are being evaluated as an effective alternative. At the March 22, 2011 BCC Workshop, a motion to proceed with the permitting process for all erosion control structures failed (5-2). The Board subsequently scheduled another workshop to discuss the projects with participation from the State and Federal permitting agencies.

The proposed Singer Island Erosion Control Project combines periodic dune and berm restoration with a segmented breakwater consisting of 11 limestone structures along one mile of coastline. A decade of repeated dune restoration efforts on this beach has failed to counteract the continued erosion which threatens sea turtle nesting habitat and leaves the adjacent properties vulnerable to storms. Several feasibility studies and repeated modeling efforts conclude that structures are the best solution for maintaining a stable beach within the project area. Periodic dune restoration will mitigate any downdrift impacts and will continue to provide beach quality sand to the entire system as necessary. To date, \$1,432,934 has been expended for design and permitting services on the Singer Island Erosion Control Project. Project costs are shared between the State (40%), the City of Riviera Beach (20%) and the County (40%). The County's share comes from Bed Tax dollars, a non-advalorem source of funding. Structural alternatives along two additional areas of coast were also being evaluated, but are in the preliminary design stage.

Attachments:

1. Singer Island Erosion Control Project
2. Agency Staff Scheduled to Attend

Recommended by:


Department Director

6/22/11
Date

Approved by:


County Administrator

6/27/11
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2011	2012	2013	2014	2015
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	<u>0</u>	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget? Yes _____ No _____

Budget Account No.: Fund _____ Department _____ Unit _____ Object _____

Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

No fiscal impact associated with this agenda item

C. Department Fiscal Review: *JP*

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:

<u><i>[Signature]</i></u> OFMB	<u><i>[Signature]</i></u> Contract Development and Control
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B. Legal Sufficiency: *2/23/11*

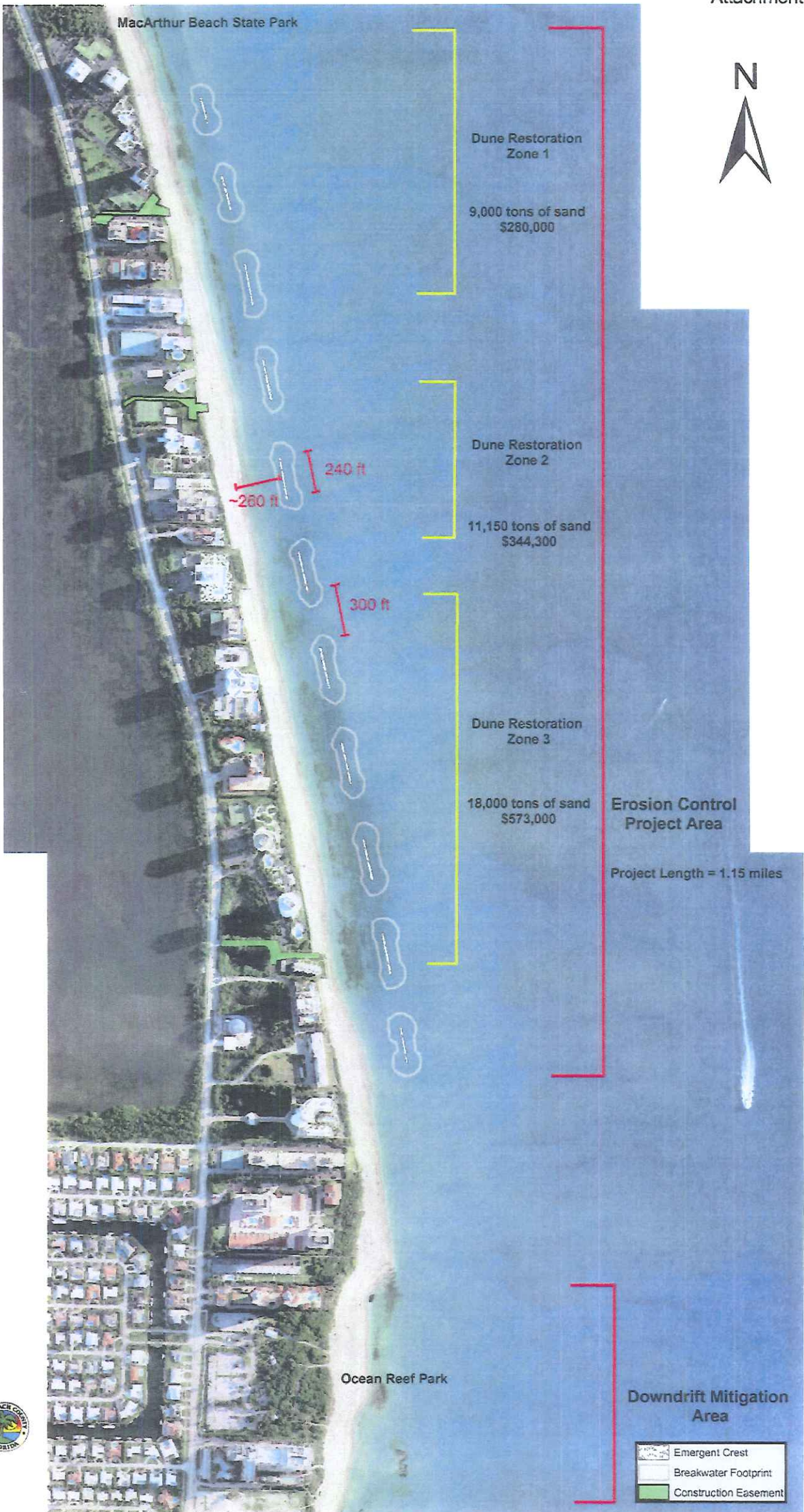
[Signature]
 Assistant County Attorney

C. Other Department Review:

 Department Director

Singer Island Erosion Control Project

Attachment 1



Palm Beach County Board Of County Commissioners
Workshop, June 28, 2011

Regulatory Agency Attendants

U.S. Army Corps of Engineers

Tori White	Deputy Division Chief
Tom Martin, P.E.	Coastal Engineer
Leah Oberlin	Section Chief
Eric Reusch	Project Manager

National Marine Fisheries Service – Protected Resources Division

Dennis Klemm	Fishery Biologist/South East Regional Office Sea Turtle Program Coordinator
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National Marine Fisheries Service – Habitat Conservation Division

Jocelyn Karazsia	Fishery Biologist
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U.S. Fish and Wildlife Service

Craig Aubrey	Supervisor Fish & Wildlife Biologist
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Florida Department of Environmental Protection

Jeff Littlejohn	Deputy Secretary, Regulatory Programs
Michael Barnett, P.E.	Bureau Chief, Beaches and Coastal Systems