

PUBLIC HEARING

Feasibility And Advisability Of The Use Of A Terminal Groin As An Erosion Control Device

 MOFFATT & NICHOL

DIAL CORDY
AND ASSOCIATES INC
Environmental Consultants

House Bill 709

Two Sections:

“An Act To Impose A Moratorium On Certain Actions Of The Coastal Resources Commission Related To Temporary Erosion Control Structures And To Direct **The Coastal Resources Commission To Study The Feasibility And Advisability Of The Use Of A Terminal Groin As An Erosion Control Device.**”

Items Identified In House Bill 709

Shall consider:

- (1) Scientific **data regarding the effectiveness of terminal groins** constructed in North Carolina and other states in controlling erosion. Such data will include consideration of the effect of terminal groins on adjacent areas of the coastline.
- (2) Scientific data regarding the **impact of terminal groins on the environment** and natural wildlife habitats.
- (3) Information regarding the **engineering techniques used to construct terminal groins**, including technological advances and techniques that minimize the impact on adjacent shorelines.

Items Identified In House Bill 709

Shall consider:

- (4) Information regarding the current and projected **economic impact** to the State, local governments, and the private sector **from erosion caused by shifting inlets**, including loss of property, public infrastructure, and tax base.
- (5) Information regarding the public and private monetary **costs of the construction and maintenance** of terminal groins.
- (6) Whether the potential use of terminal groins should be **limited to navigable, dredged inlet channels**.

Items Identified In House Bill 709

Public Input

- In conducting the study, the Commission shall hold at least **three public hearings** where interested parties and members of the general public will have the opportunity to present views and written material regarding the feasibility and advisability of the use of a terminal groin as an erosion control device at the end of a littoral cell or the side of an inlet to limit or control sediment passage into the inlet channel.

Report

- No later than **April 1, 2010**, the Commission shall report its findings and recommendations to the Environmental Review Commission and the General Assembly.

Project Team Members

Project Team Members

- Moffatt & Nichol – Coastal Engineering
- Dial Cordy and Associates, Inc. -
Environmental
- Dr. Duncan FitzGerald (Boston University) –
Coastal Geology
- Dr. Chris Dumas (UNCW) – Economics

Overall Project Work Plan

Task 1 – Coastal Engineering Analyses of Effectiveness and Impacts of Terminal Groins

Task 2 – Environmental Resource Analyses of Potential Effects of Terminal Groins

Task 3 – Construction Techniques to Limit Impacts

Task 4 – Economic Study of Impacts of Shifting Inlets

Task 5 – Initial Construction and Maintenance Costs

Task 6 – Potential Locations Study

Task 7 – Public Input

Task 8 – Draft and Final Report



Roles of CRC/CRAC, Science Panel

CRC/CRAC

- Provide Guidance to M&N During the Study
- Will Be Responsible for Developing the Policy Conclusions and Recommendations to Be Supplied to the ERC and Ultimately the General Assembly

Science Panel

- Science Panel was involved in the Project Scoping, Approval of Study Methodologies, and in an Advisory Capacity Providing Comments of the Report
- Five Scheduled Meetings
(Sept. 29, Dec. 1, Jan. 19, Feb. 8, and Mar. 12)

Selected Sites Based on September 29th Science Panel Meeting

North Carolina

- Oregon Inlet
- Fort Macon

Florida

- Amelia Island
- Captiva Island
- John's Pass



Project Work Plan

Public Input

– Five Public Meetings

- Sheraton Atlantic Beach – October 29th, 2009
- Kill Devil Hills Town Hall – December 16th, 2009
- Hilton Raleigh North – January 13th, 2010
- NH County Complex – February 17th, 2010
- Sea Trail Plantation - March 25th, 2010

– State Web Site

- <http://www.nccoastalmanagement.net>
- Under What's New Section

– Email – jim.gregson@ncdenr.gov



Project Work Plan

Task 8 – Draft and Final Report

- Working Draft Report - February 1, 2010
- Final Report (Contractor Study) - March 1, 2010



Next Steps

- Final Report (Contractor Study) – March 1, 2010
- Science Panel Meeting – March 12, 2010 – Raleigh
- Steering Committee Meeting – March 18, 2010 – New Bern
- Final CRC Meeting and Public Hearing – March 25, 2010 – Sea Trail/Sunset Beach
- CRC Report to ERC – April 1, 2010