

2016 FSBPA Annual Conference

**Santa Rosa County's  
Navarre Beach Nourishment Project**

***From Perceived Victim of the Process  
to Success Story***

**Commissioner Rob Williamson – Santa Rosa County  
Michael Walther – Coastal Tech-GEC  
Chuck Broussard – Weeks Marine**

Photo - Courtesy of Kenny Wilder via <http://www.navarrebeachlife.com/live-hd-1080-zoom-cam/>

**Santa Rosa County's Navarre Beach Nourishment Project**  
***From Perceived Victim of the Process to Success Story***  
**Santa Rosa County Commissioner Rob Williamson**



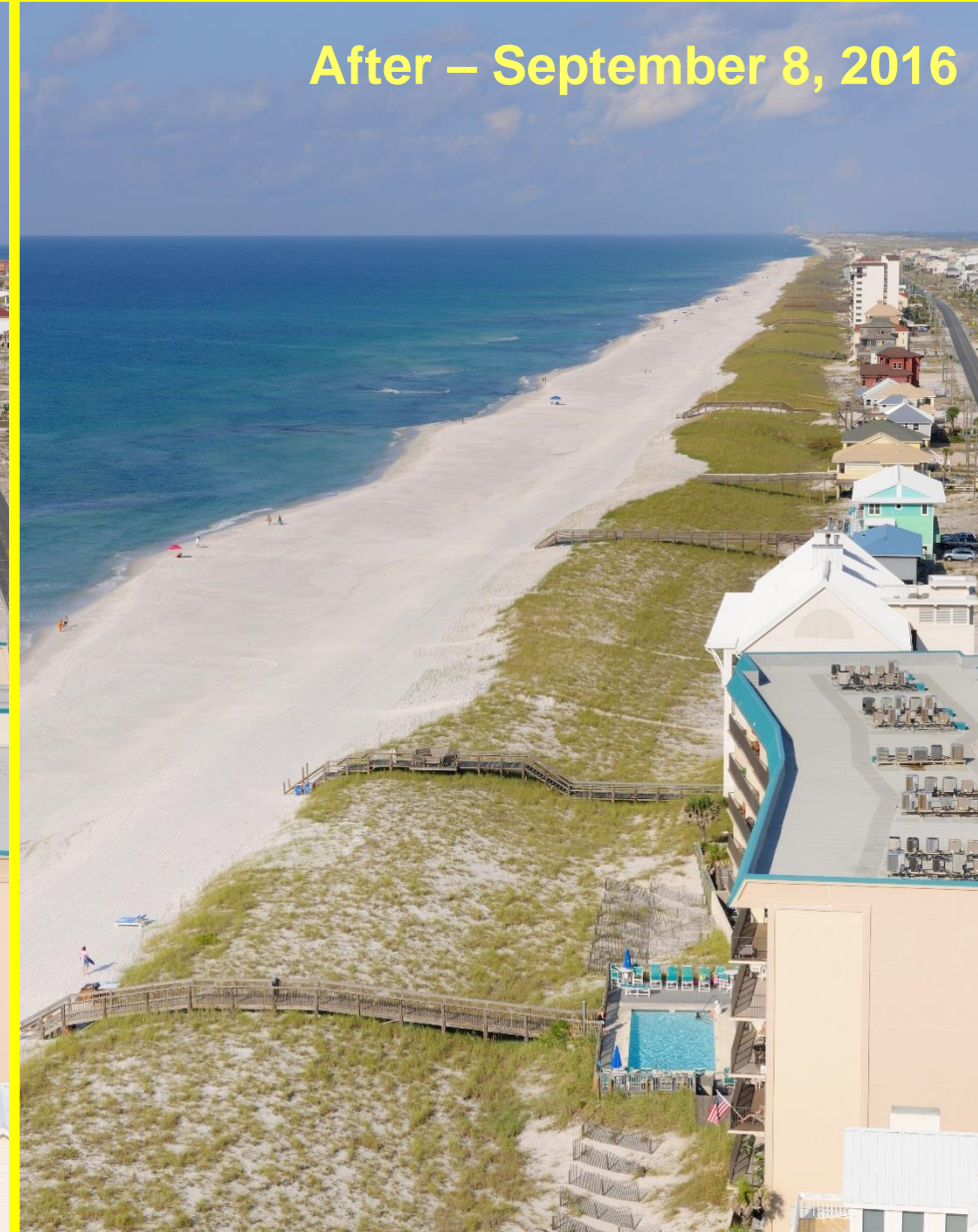


**Santa Rosa County's Navarre Beach Nourishment Project**  
***From Perceived Victim of the Process to Success Story***  
**Santa Rosa County Commissioner Rob Williamson**

**Before – May 5, 2016**



**After – September 8, 2016**



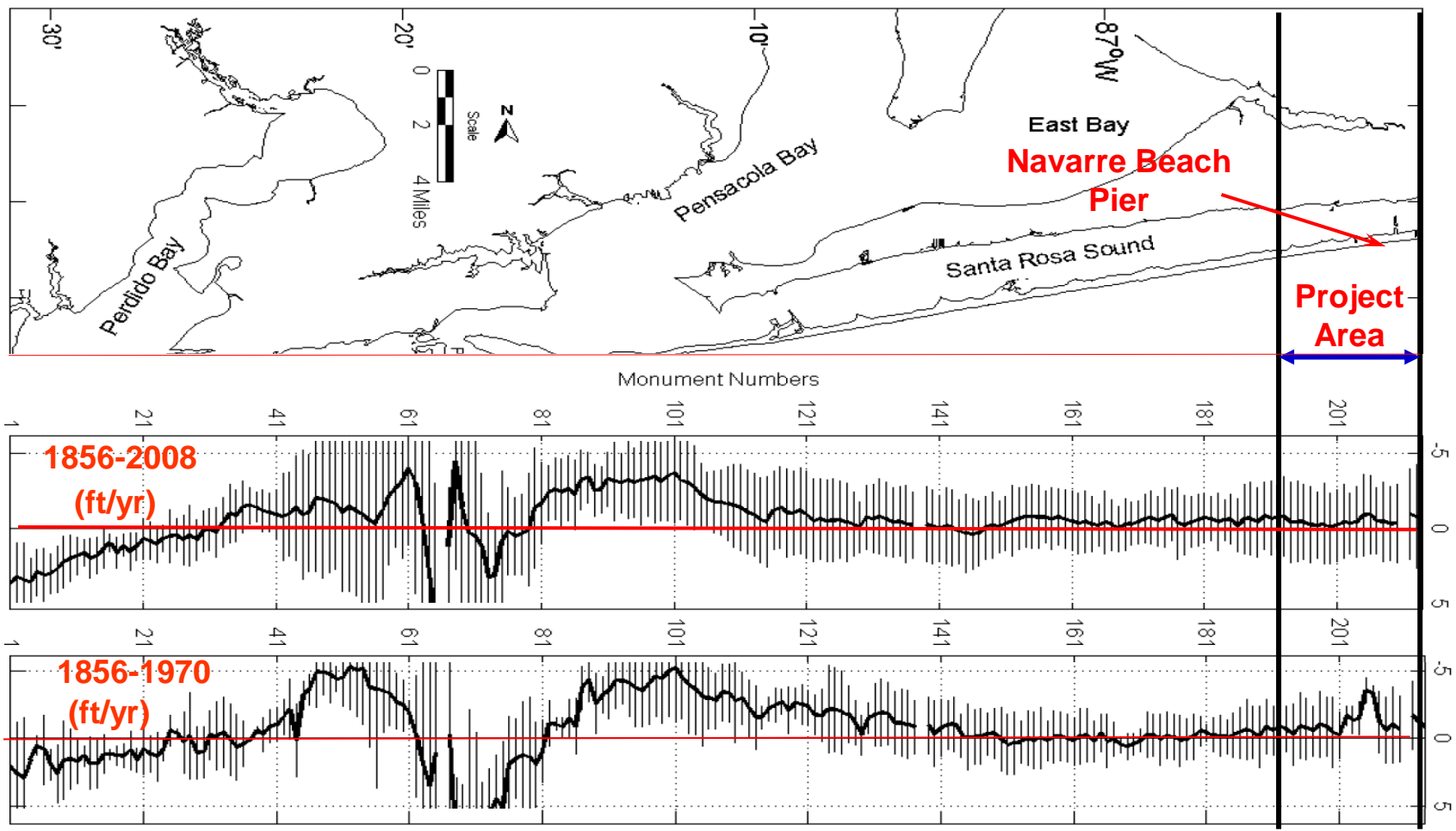
- **Feasibility Study**
- **Design Formulation**
- **Permitting**





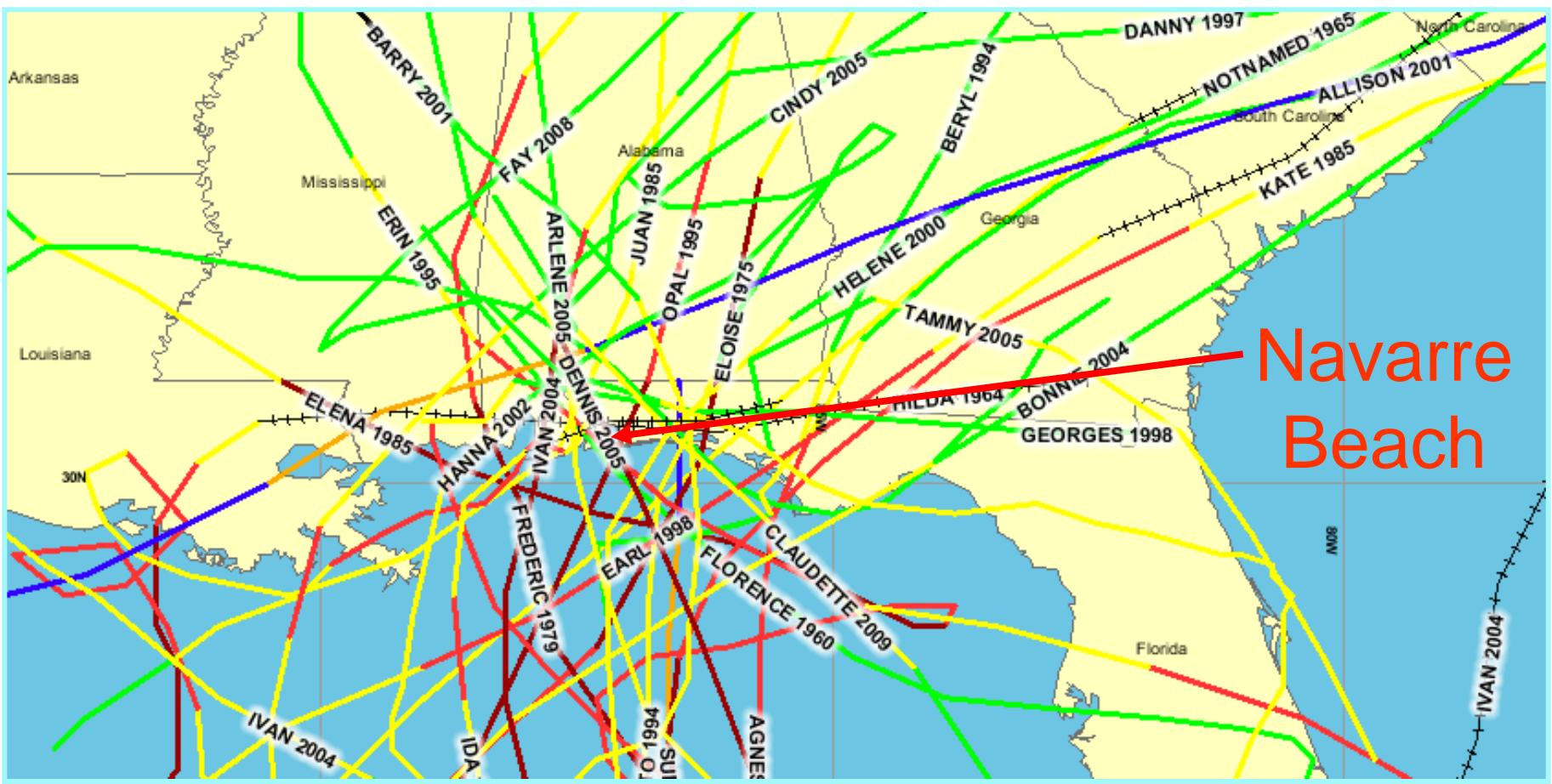
Aerial: circa 2000

# Project History - Historical Shoreline Change



Modified from Dean (2010)

Project Area – Historical Hurricanes & Tropical Storms



# **“Feasibility Study” & Plan Formulation**

**April & July 2000 - Public Workshops at the Navarre Beach Fire Station**

**June & August 2000 - Navarre Beach Leaseholders Association**

- **Public comments at Public Workshops in 2000**  
indicated:
  - **broad local consensus that condition of Navarre Beach is unacceptable;**
  - **clear public support for a beach-dune restoration project; and**
  - **willingness of Navarre Beach property owners to pay for the project.**
  
- **Feasibility Study - recommends**
  - **placement of sand from offshore borrow source**
  - **protection to upland properties for a 25-year return interval storm**
  - **re-nourishment “anticipated every 5 to 7 years”**

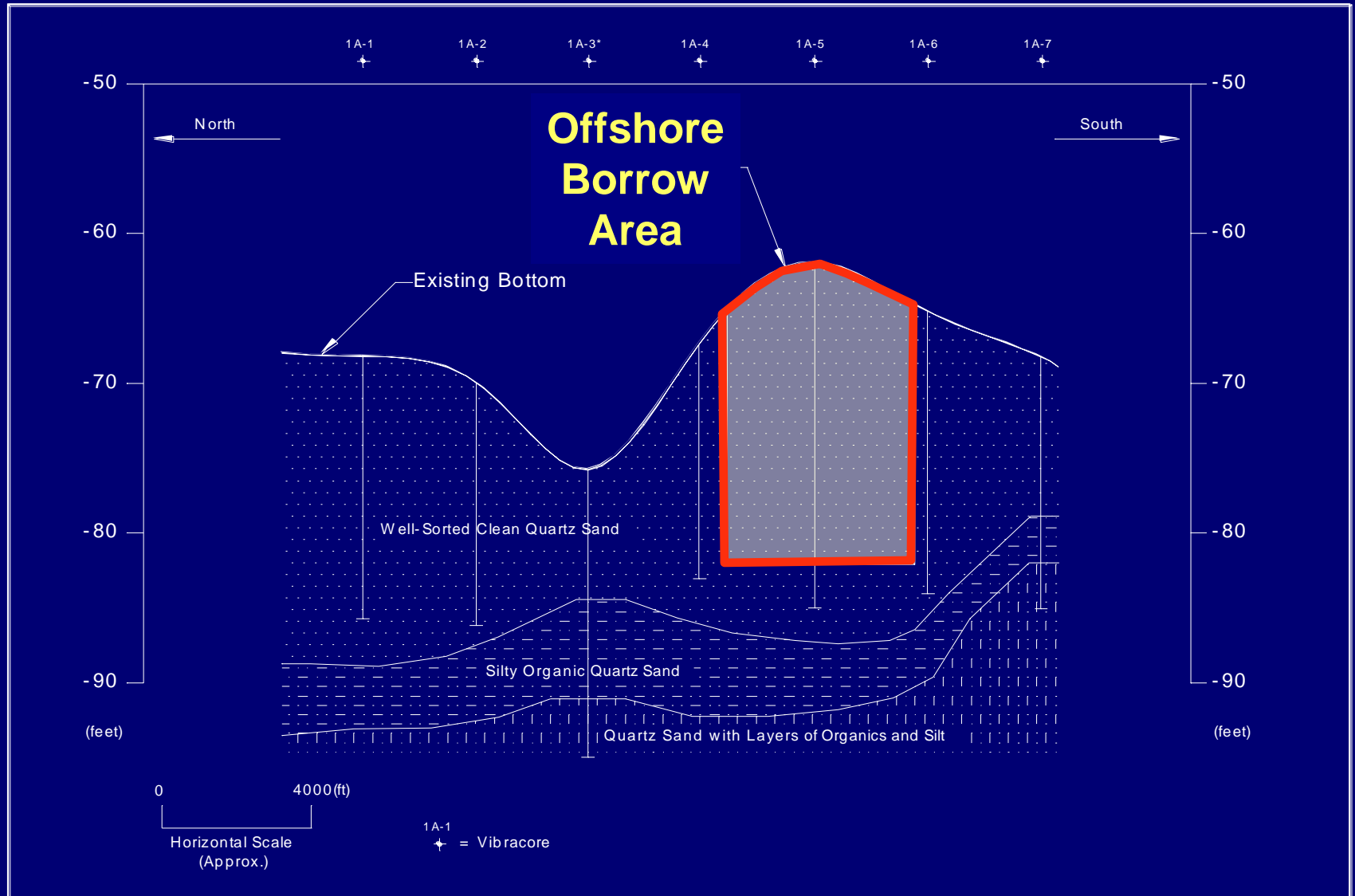


# October 28, 2004 - Post Hurricane Ivan



# July 18, 2005 - Post Hurricane Dennis





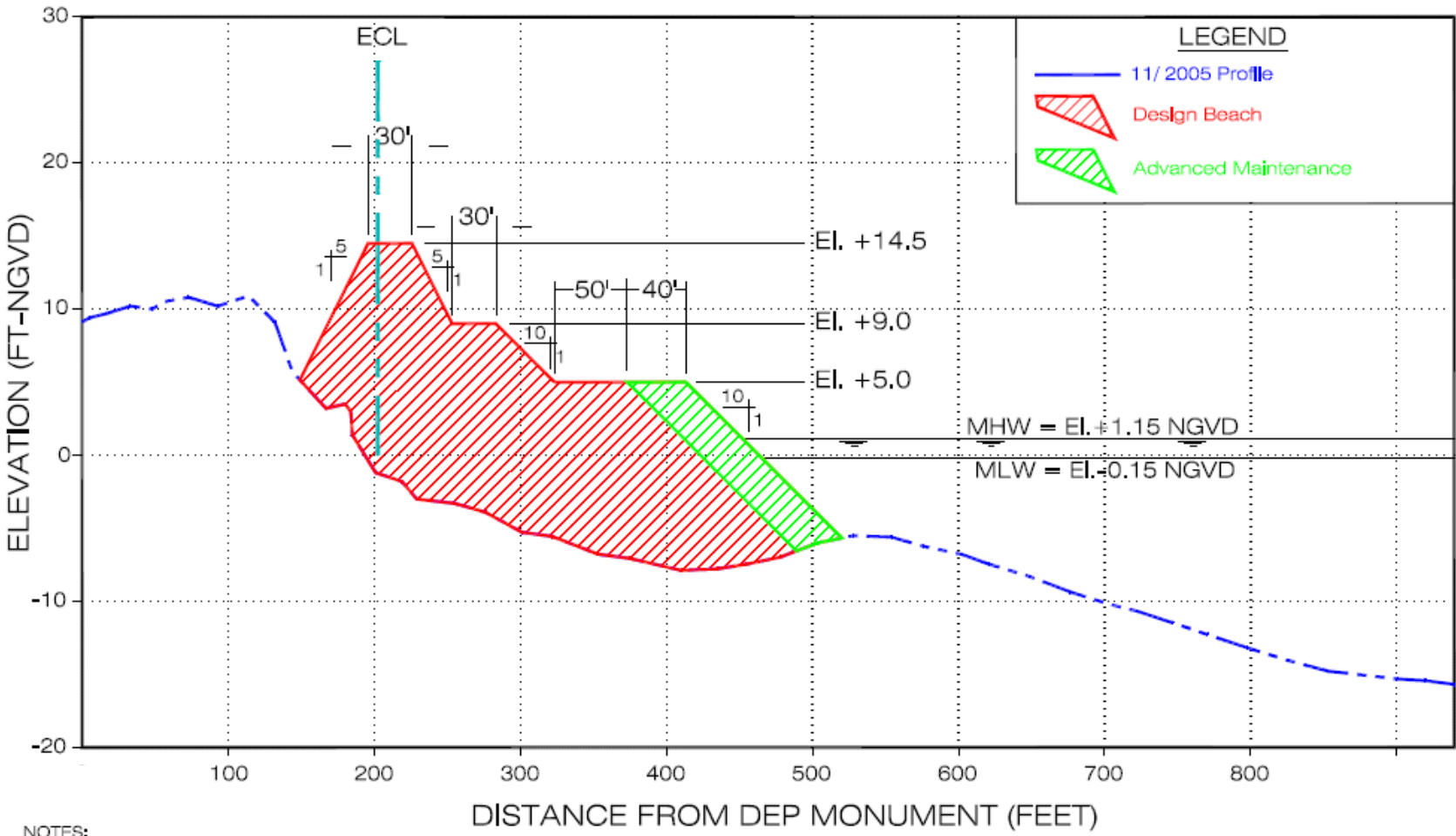
Potential Borrow Area T2-1 Geologic Cross-Section





# 2006 – Design Fill Template

Mon R-198





Department of  
Environmental Protection

Jeb Bush  
Governor

Marjory Stoneman Douglas Building  
3900 Commonwealth Boulevard  
Tallahassee, Florida 32399-3000

Colleen M. Castille  
Secretary

CERTIFIED - RETURN RECEIPT REQUESTED

July 29, 2005

Santa Rosa County  
c/o Mr. Roger Blaylock  
Old Bagdad Hwy. #300  
Milton, FL 32583

Permit Modification No. 0220096-003-JC  
Permit No. 0220096-001-JC, Santa Rosa County  
Navarre Beach-Berm and Dune Restoration

Dear Mr. Blaylock:

Your request to modify Permit No. 0220096-001-JC has been received and reviewed by Department staff. The proposed permit modification is to extend the previously authorized Navarre beach and dune restoration project eastward by approximately 7/10 of one mile, into the Navarre Beach State Recreation Area (to DEP range monument R-213.5).

**BACKGROUND**

On July 26, 2005 the Department issued Joint Coast Permit Number 0220096-001-JC to Santa Rosa County to restore over 3.6 miles of beach and dune throughout Navarre Beach. The project area was to extend from the eastern limit of the Gulf Islands National Seashore (500 feet east of R-192) eastward to the Navarre Beach State Recreation Area (R-211).

The 2004 hurricane season resulted in considerable erosion along the Florida Panhandle beaches, and Hurricane Dennis, which hit Navarre Beach on July 10, 2005, further exacerbated the problem. In March of 2005, after the Department issued an Intent for the Navarre Beach-Berm and Dune Restoration project, but before the final permit was issued, Santa Rosa County contacted the Department to discuss plans for expanding the project to include the shoreline of the Navarre Beach State Recreational Area. In addition, the County proposed to widen the design berm to replace the material lost during the storms. On July 22, 2005, after most of the details of the expansion had been coordinated with DEP's Division of Recreation and Parks and



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
PENSACOLA REGULATORY OFFICE  
41 NORTH JEFFERSON STREET, SUITE 111  
PENSACOLA, FLORIDA 32502

Regulatory Division  
North Permits Branch  
SAJ-2003-10496-IP-EPS  
MODIFICATION #1

Santa Rosa County  
c/o Roger Blaylock  
6051 Old Bagdad Highway, #300  
Milton, FL 32583

Dear Mr. Blaylock:

Reference is made to Department of the Army permit SAJ-2003-10496-IP-EPS. The permit issued on October 13, 2005 authorized the dredging and placement of 2.4 million cubic yards of sand on Navarre Beach, Santa Rosa County, Florida. The project encompasses over 3.4 miles of beach and dune throughout Navarre Beach plus 0.7 miles of beach and dune at the Navarre Beach State Park. The Project is located in the waters of the Gulf of Mexico, in Section 28, Township 2 South, Range 26 West, Santa Rosa County, Florida.

In accordance with 33 CFR 325.7, to more effectively minimize take of Federally listed species, including sea turtles, the following Special Condition will be added to the permit:

**Special Condition (14):** No less than 72 hours prior to commencement of the hopper dredging authorized herein, sea turtle relocation trawling will be initiated and continued until the hopper dredging is completed, in accordance with the attached Standard Hopper Dredge Conditions and the terms and conditions of the attached NMFS Regional Biological Opinion.

The permit is hereby modified, effective immediately, and Special Condition 14 will be added to the permit. You should attach this letter to the permit. All of the other conditions, limitations, and stipulations of permit number SAJ-2003-10496-IP-EPS not specifically changed by this modification remain in effect.

Thank you for your cooperation with our regulatory program.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

Robert M. Carpenter  
Colonel, U.S. Army  
District Engineer

March 16, 2006

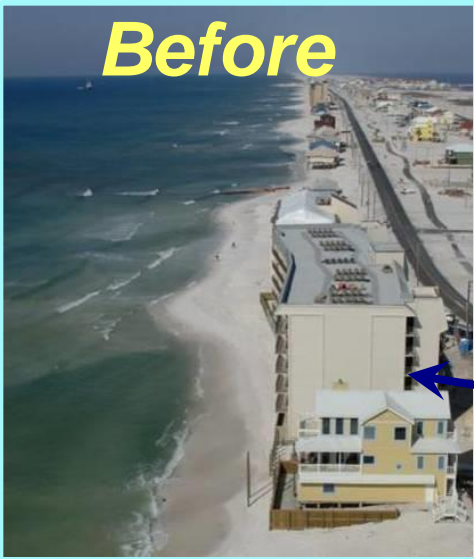
**USACE Permit**  
**Issued: October 13, 2005**

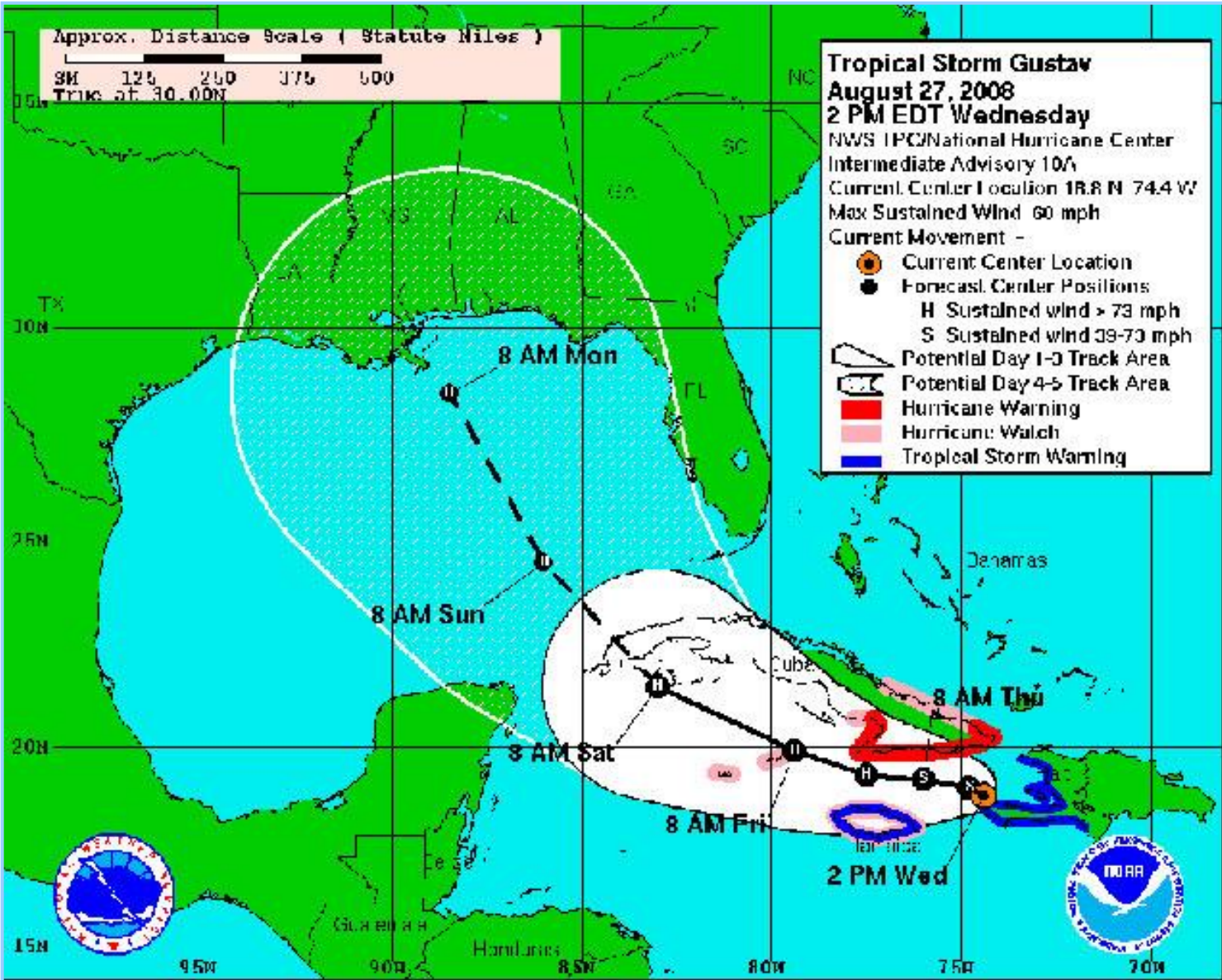


May 3, 2006



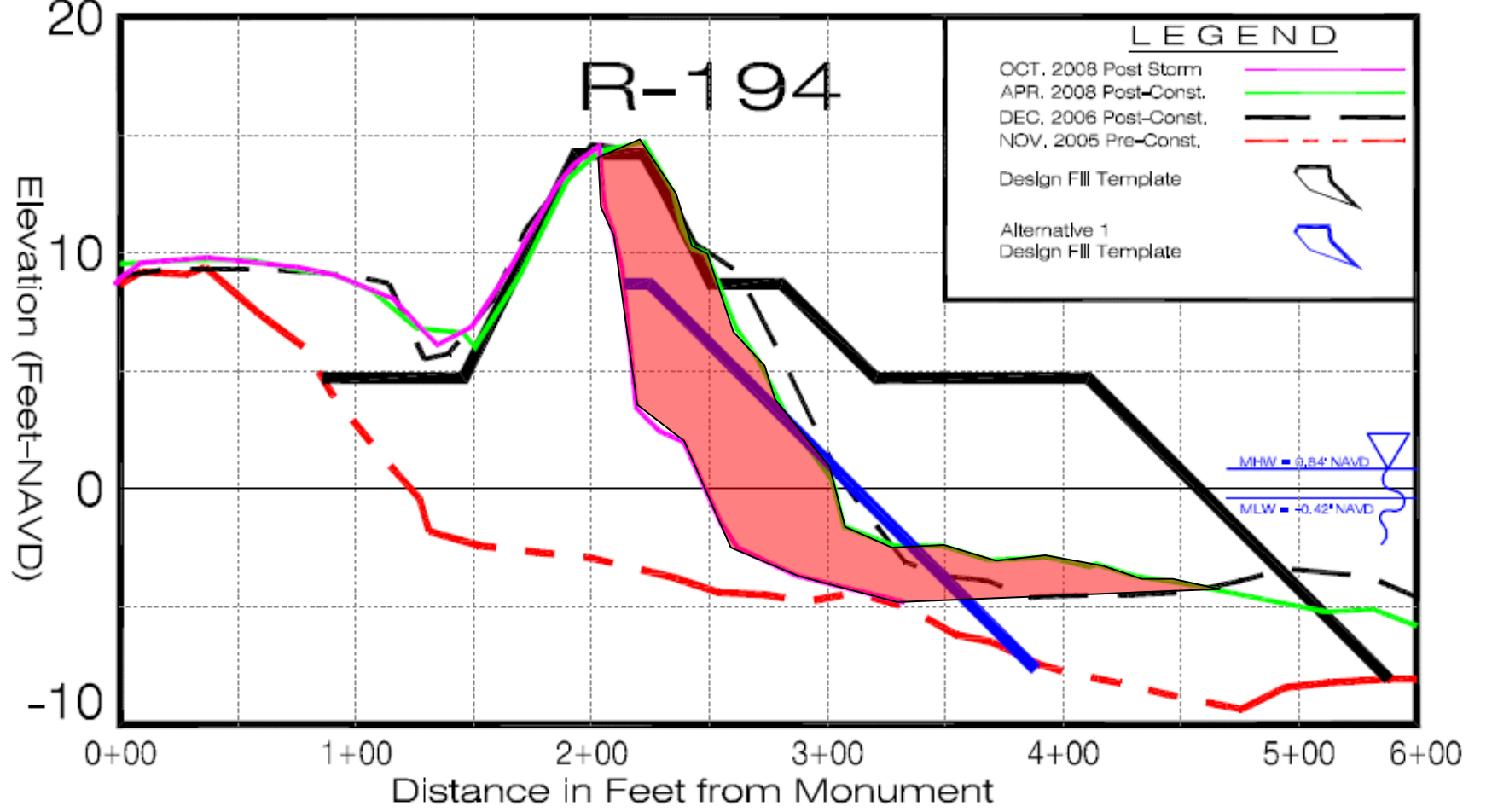


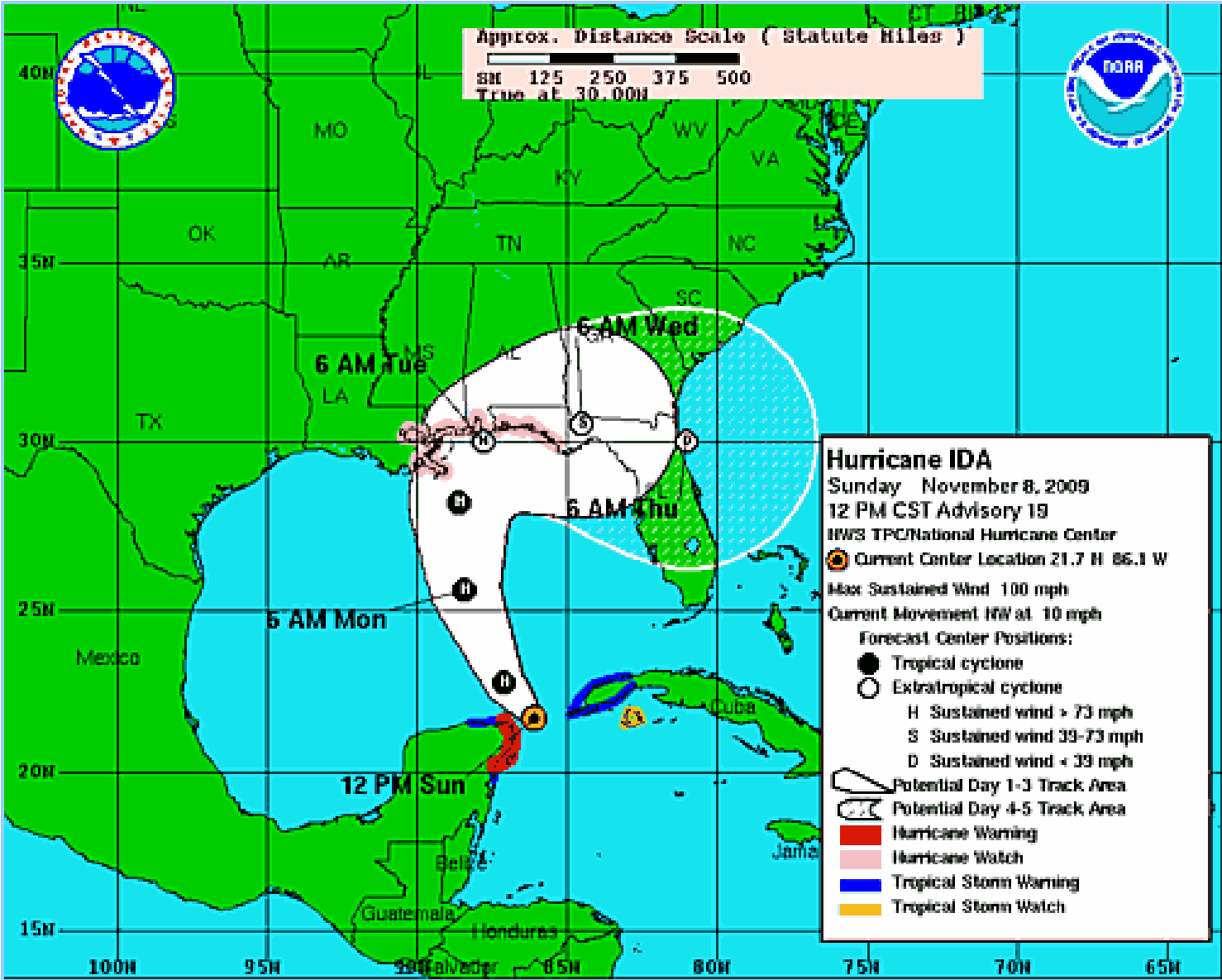






# October 2008 – Post Storm Condition Survey









April 1, 2010





**July 6, 2014**  
**Conditions**  
**Pier**





**July 6, 2014**

**Conditions**

**Access 12**

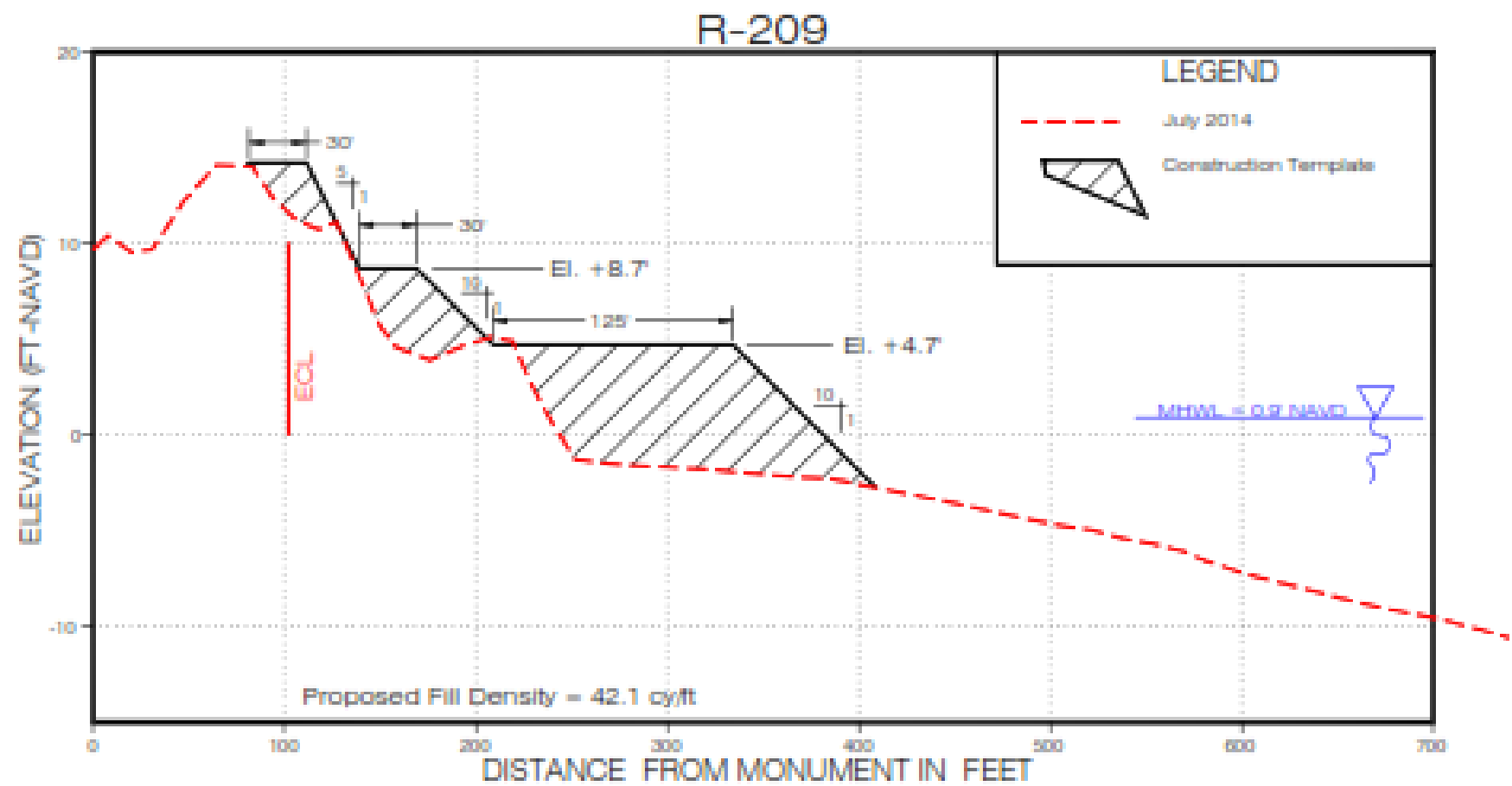
**South Carolina Street**





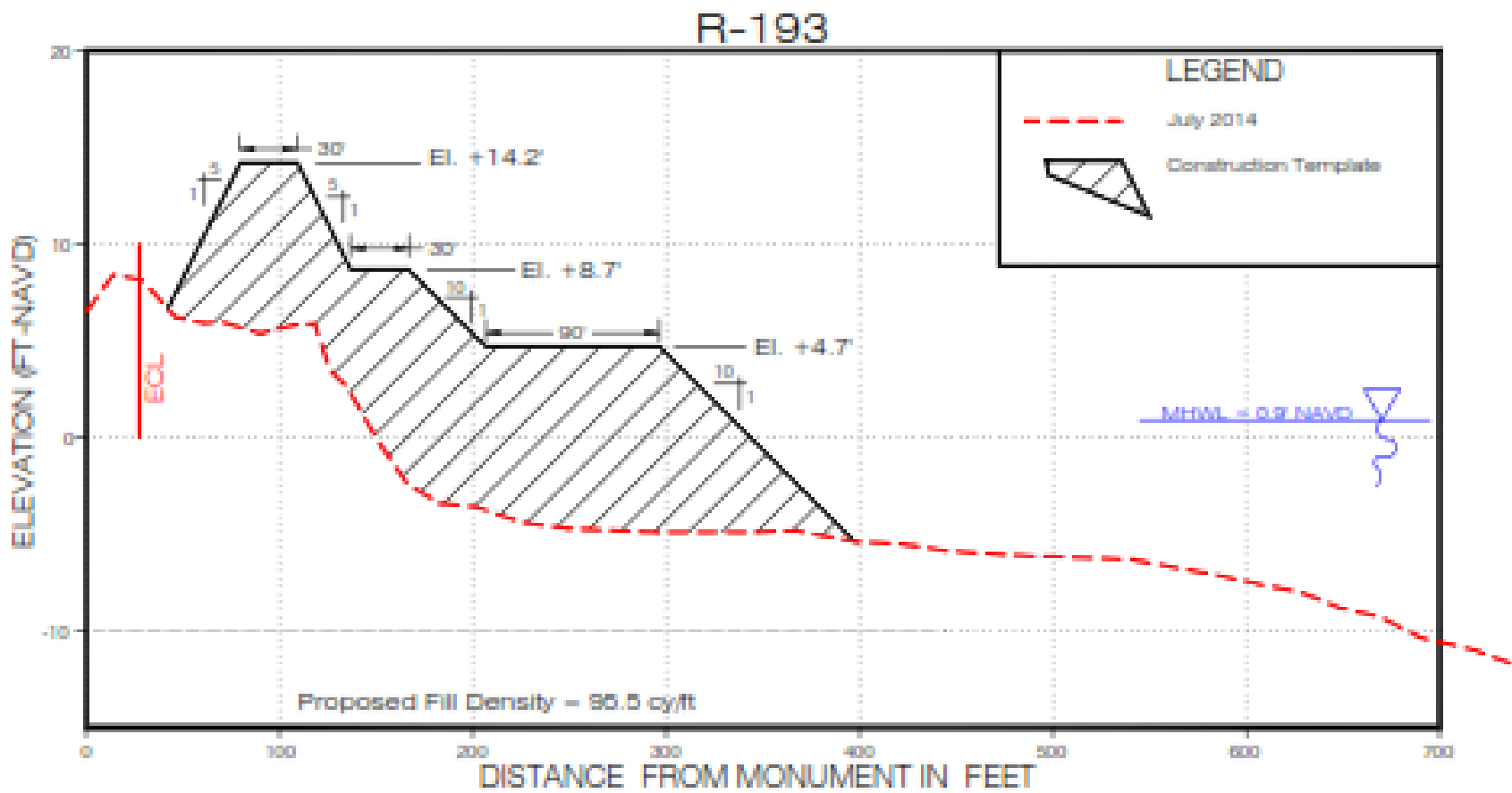
# Re-Nourishment Final Design

typical cross-section - just west of pier



# Re-Nourishment Final Design

cross-section – “hot spot” near western limits



# FDEP & USACE Permits



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

MARJORY STONEMAN DOUGLAS BUILDING  
3900 COMMONWEALTH BOULEVARD  
TALLAHASSEE, FLORIDA 32399-3000

RICK SCOTT  
GOVERNOR  
HERSCHEL T. VINYARD JR.  
SECRETARY

**CONSOLIDATED JOINT COASTAL PERMIT AND SOVEREIGN SUBMERGED LANDS AUTHORIZATION**

**PERMITTEE:**  
Santa Rosa County  
c/o Mr. Roger Blaylock  
6051 Old Bagdad Hwy. #300  
Milton, Florida 32583

**AGENT:**  
Coastal Technology Corporation  
c/o Lois Edwards  
3625 20<sup>th</sup> Street  
Vero Beach, Florida 32960

**PERMIT INFORMATION:**  
Permit Number: 0220096-006-JC  
  
Project Name: Navarre Beach Dune and Berm Nourishment Project

County: Santa Rosa  
  
Issuance Date: January 7, 2014  
  
Expiration Date: January 7, 2029

**REGULATORY AUTHORIZATION:**  
This permit is issued under the authority of Chapter 161 and Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, Florida Administrative Code (F.A.C.). Pursuant to Operating Agreements executed between the Department of Environmental Protection (Department) and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing and taking final agency action on this activity.

**PROJECT DESCRIPTION:**  
The project consists of periodic fill placement on 4.1 miles of beach and dune for maintenance of the design template and for advanced nourishment. Fill material from offshore Borrow Area T2-1B and the northern half of Borrow Area T2-1A (collectively referred to as the BA) will be dredged to a maximum cut depth of -78.35 feet NAVD. The dredged material will be transported to the beach via hopper dredge, where the fill will be hydraulically transferred from the dredge to the beach via pipelines. The design specifications are as follows:

- a) The dune will have a maximum crest width of 30 feet, at a crest elevation of +14.2 feet North American Vertical Datum (NAVD), with waterward and landward slopes of 1:5 (vertical:horizontal (V:H)). The seaward slope will meet the primary beach berm at elevation +8.7 feet NAVD. The dune will be planted with salt-tolerant vegetation.
- b) The width of the primary beach berm will be variable (based on existing conditions), but will have a maximum width of 30 feet, at elevation +8.7 feet

[www.dep.state.fl.us](http://www.dep.state.fl.us)



DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
PENSACOLA REGULATORY OFFICE  
41 NORTH JEFFERSON STREET, SUITE 301  
PENSACOLA, FL 32502-6794

14 November 2014

Regulatory Division  
North Permits Branch  
Pensacola Permits Section  
SAJ-2003-10496 (SP-TSH)

Santa Rosa County Board of County Commissioners  
c/o Mr. Roger Blaylock, County Engineer  
6051 Old Bagdad Highway, Suite 300  
Milton, FL 32583

Dear Mr. Blaylock:

The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your Department of the Army permit application, number SAJ-2003-10496 (SP-TSH). Our regulations require that you have an opportunity to review the terms and conditions prior to final signature by the Department of the Army. Enclosed is an unsigned Department of the Army permit instrument (permit).

Please read carefully the Special Conditions beginning on page 2 of the permit. These were developed to apply specifically to your project. Water Quality Certification is also required prior to issuance of a permit. The Corps has received a copy of the State of Florida certification for your project. In accordance with General Condition 5 of the permit, any special conditions of the Water Quality Certification have been attached to the Department of the Army permit.

**Instructions for Objecting to Permit Terms and Conditions:** This letter contains an initial proffered permit for your proposed project. If you object to certain terms and conditions contained within the permit, you may request that the permit be modified. Enclosed you will find a Notification of Administrative Appeal Options and Process fact sheet and Request for Appeal (RFA) form. If you choose to object to certain terms and conditions of the permit, you must follow the directions provided in Section 1, Part A and submit the completed RFA form to the letterhead address.

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria under 33 CFR Part 331.5, and that it has been received by the District office within 60 days of the date of the RFA. Should you decide to submit an RFA form, it must be received at the letterhead address by January 12, 2015.



# FDEP & USACE Permits

- **June 19, 2013 - Joint-Coastal-Permit Application submitted**
  - January 7, 2014 - FDEP permit promptly issued for nourishment events to January 2029
  - December 16, 2014 - USACE Permit Issued
- **October 10, 2015 permit modification requested to allow for dredging via a hydraulic pipeline dredge**
  - October 29, 2015 - FDEP issued Administrative Permit Modification
  - November 24, 2015 - USACE issued permit modification.
- **January 28, 2016 USACE guidance requested regarding relocation trawling in advance of a turtle take**
  - March 4, 2016, the USACE issued the second permit modification with guidance.

# Thank you!



***Local Firm....National Reach***