



Challenges and Intergovernmental Success of the 2013-2014 Beach Nourishment Projects On Anna Maria Island



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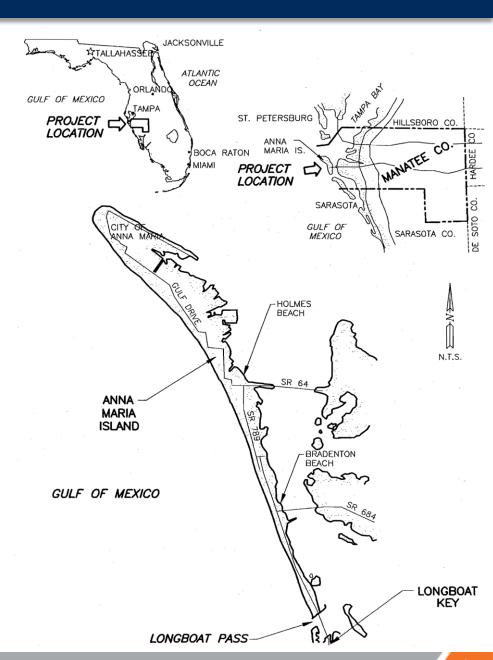








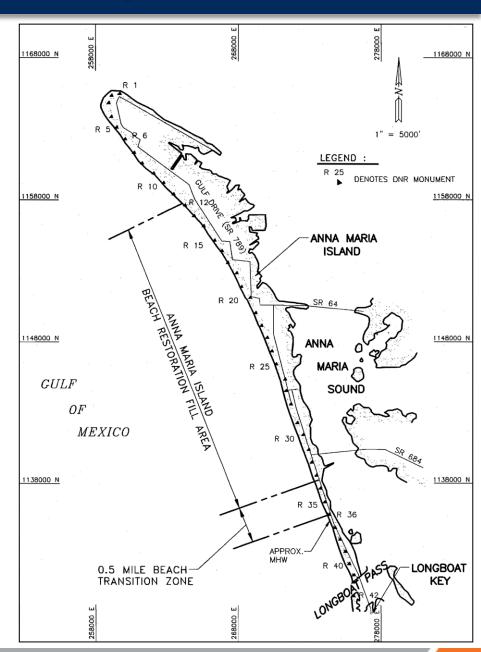
- Anna Maria Island is a 7.4 mile Gulf of Mexico barrier island located in Manatee County, south of Tampa Bay.
- Since 1992, beach nourishment has been the primary means of erosion control along the island.
- Projects constructed in 1992-1993, 2002, 2005-2006, 2011 and 2013-2014.
- 5.7 million cubic yards of sand





Central Project Federal Authorization

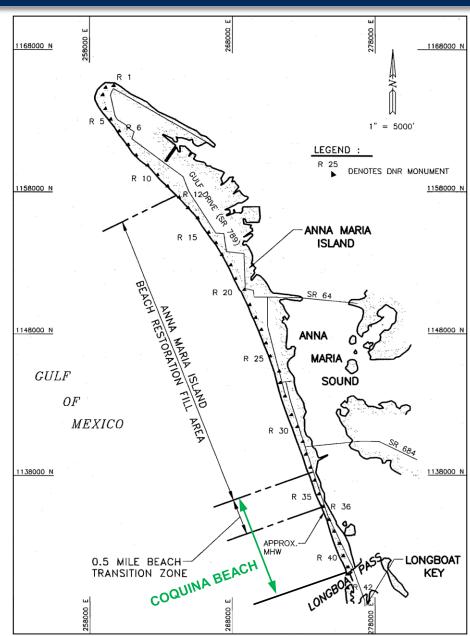
- Authorized by Public Law 98-298;
 Flood Control Act of 1965.
- The Chief of Engineers final approval December 1975.
- Entire gulf shoreline is authorized.
- 1991 GDM defined the project as the central 3.2 miles of the island.
- Length extended to 4.2 miles in
 1992 LCA with 0.5 mile transition.
- First project 1992-1993





Coquina Beach Nourishment Project

- Coquina Beach is the southern mile of Anna Maria Island, north of Longboat Pass.
- 2011 project was the first engineered nourishment.
- Tropical Storm Debby impacts eligible for FEMA funding.
- Permits modified to address storm damage and extend project life.
- Transition to blend with federally authorized project area.









- Two projects were constructed in the winter of 2013-2014.
- The Anna Maria Island Shore Protection Project was constructed in the Federally-authorized Central Project by the U.S. Army Corps of Engineers (USACE), Jacksonville District.
- The Coquina Beach Nourishment Project was constructed by Manatee County immediately following the Central Project utilizing the same contractor and dredging equipment.
- Both projects repaired damages from Tropical Storm Debby (July 2012) and re-filled the beach templates to their full capacity.
- Overlapping taper sections to improve performance.

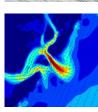


















1. Timing:

- In 2012, the County was preparing the Anna Maria Island
 Renourishment for construction in 2014-15 under Section 206.
- Combining with Coquina Beach Renourishment.
- Tropical Storm Debby July 2012.
- Storm damage assessments August 2012 March 2013.
- USACE Bid Solicitation August 2013.
- USACE deadline to award project Sept. 2013.

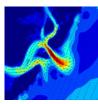


















2. Funding:

- Flood Control and Coastal Emergency (FCCE) and Construction
 General (CG) funding required a Project Implementation Report
 (PIR) for the federally authorized project area.
- FEMA Project Worksheet to establish funding for Coquina Beach.
- County had to forward fund the nonfederal share (County and State) for Central Project and 100% of Coquina Beach totaling \$10.4M.
- New access and easement standards put eligibility into question.
- Costs uncertainties related to other Hurricane Sandy work and contractor availability.

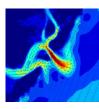


















3. Permitting:

- Corps needed a new State Water Quality Certificate for Central project.
- County needed permit modifications for Coquina Beach.
- New borrow areas developed from County geotechnical investigation.
- FDEP had to expedite permit reviews for both projects, back to back.

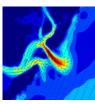


















4. Contract Coordination:

- Great Lakes Dredge and Dock Company (GLDD) already contracted with USACE for Gasparilla and Anna Maria.
- Gasparilla constructed first, allowing time for County to get approvals for Coquina Beach.
- Contractor mobilized on Anna Maria Island under active USACE contract.
- Contractor and County worked together on project constraints,
 logistics and contract terms to make the project feasible.
- County had to formally amend their purchasing procedures to negotiate directly with the USACE Contractor.

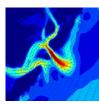














AN ORDINANCE OF MANATEE COUNTY, FLORIDA, RELATING TO PROCUREMENT; AMENDING SECTION 2-26-40 OF THE MANATEE COUNTY CODE TO PROVIDE FOR WAIVER OF COMPETITIVE SOLICITATION IN CERTAIN CIRCUMSTANCES; PROVIDING FOR CODIFICATION AND SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

- Section 2-26-40(c):
 - Waiver of competitive selection by County Administrator.
 - Non-speculative costs of competitive purchasing exceed potential savings.
 - The service provider has a unique advantage.
 - Procurement actions up to \$250,000
- Amended to allow the County Commission, upon request of the County
 Administrator, to grant a waiver for procurement actions exceeding \$250,000.
- 10 day public notice prior to entering into contract negotiations.

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Both projects got constructed!

- Single mobilization and demobilization
- Over \$3 million saved on construction
- Reduced local impact from construction activity

Key Factors to Success:

- Willingness to cooperate
- USACE regionalization and coordination
- Planning together for improvements and cost savings

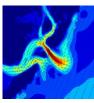
















ANNA MARIA ISLAND SHORE PROTECTION PROJECT

- December 21, 2013 March 5, 2014
- 888,000 CY over approximately 4.5 miles
- **\$11,320,000**
 - 72% Federal, 14% State, 14% County







COQUINA BEACH NOURISHMENT

- March 1, 2014 March 15, 2014
- 260,000 CY over approximately 1.5 miles
- **\$5,310,000**
 - 14% FEMA, 43% State, 43% County



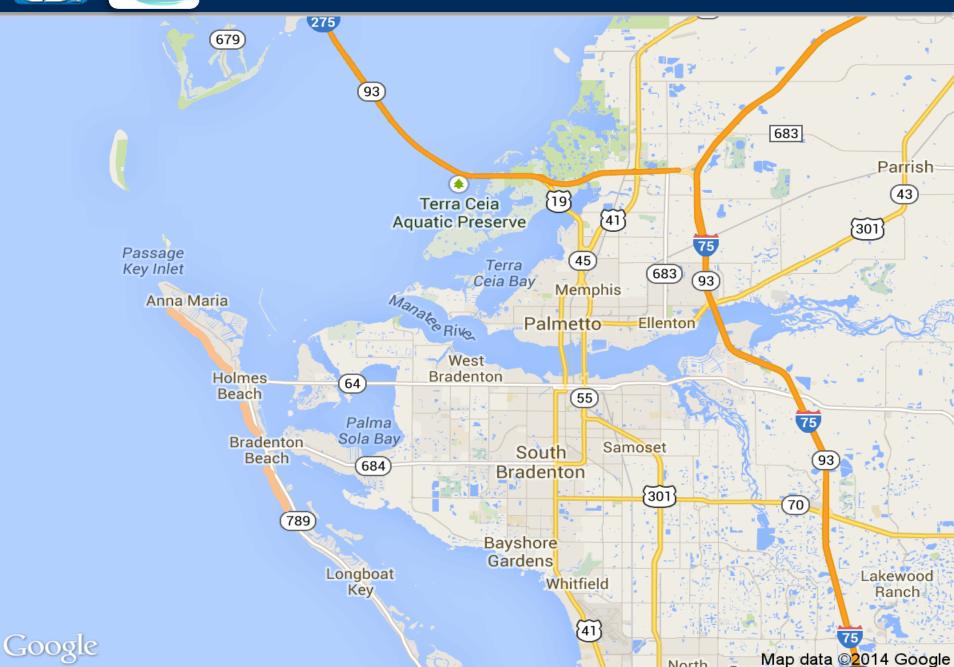




Manatee County Beach Renourishment <u>Video</u>

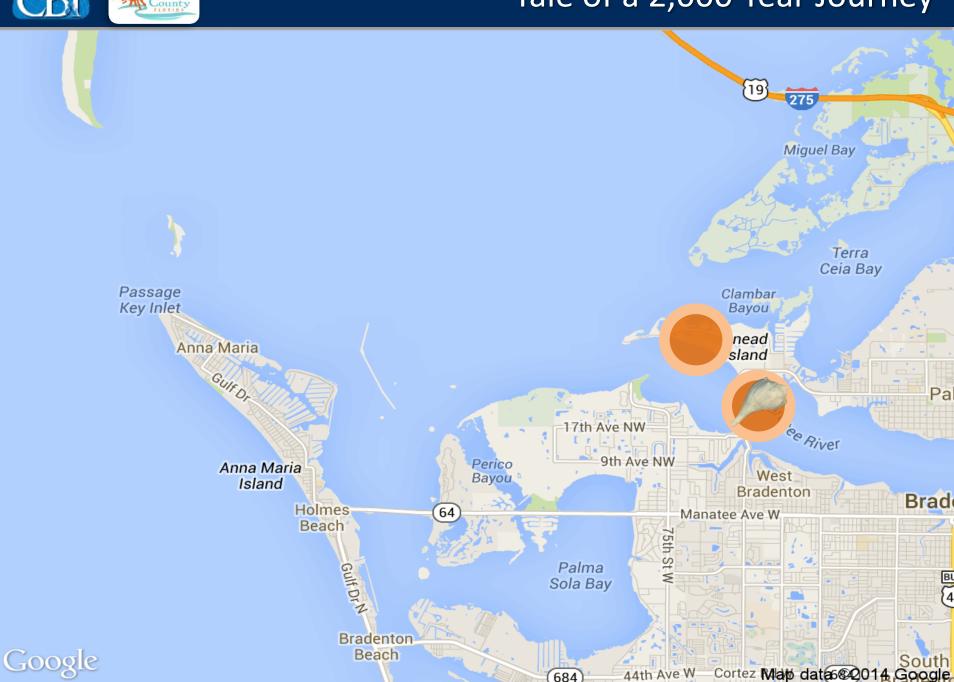








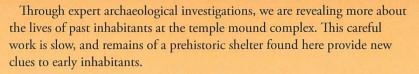








Glimpse into Prehistory



We have only sketches from Spanish and French explorers of the lifestyles which must have flourished for hundreds of years in complex villages

like this. The only pictures we have of native Floridians are those of the extinct Timucua who lived far from here, drawn by a French artist well after his visit to northeast Florida in 1562.

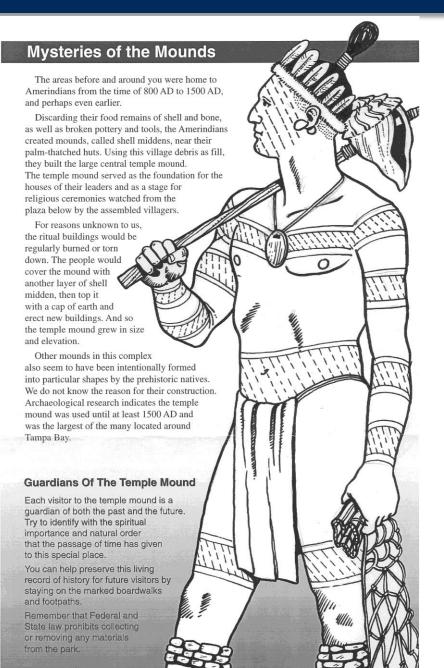
As early as 800 AD, perhaps even earlier, native people settled along the river shoreline of Snead Island.

We know from the remains of animal bone and shell fragments that they lived very well by harvesting fish and shellfish from the surrounding waters; hunting deer, turtles, and other animals; and collecting plants in the interior hammocks.

Following contact with European explorers in the 16th century, the cultural lifeways of Florida Amerindians were beset by increased disease, warfare, and enslavement. Historical research indicates these peoples all but vanished by the mid 1700s during a transition that saw the resettlement of Florida with American Indians from Georgia and eastern Alabama.

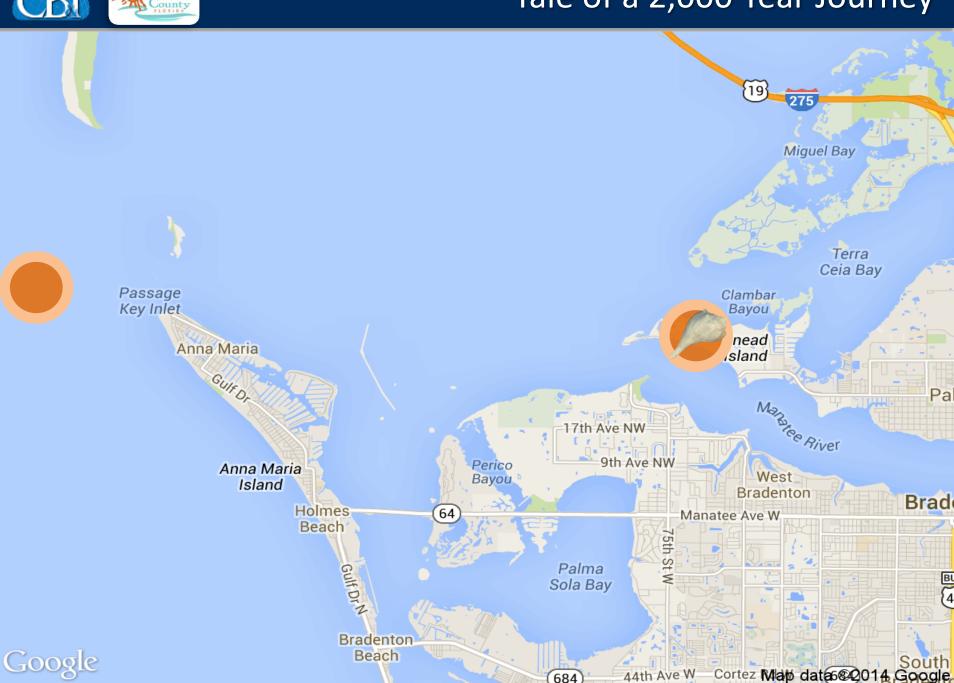










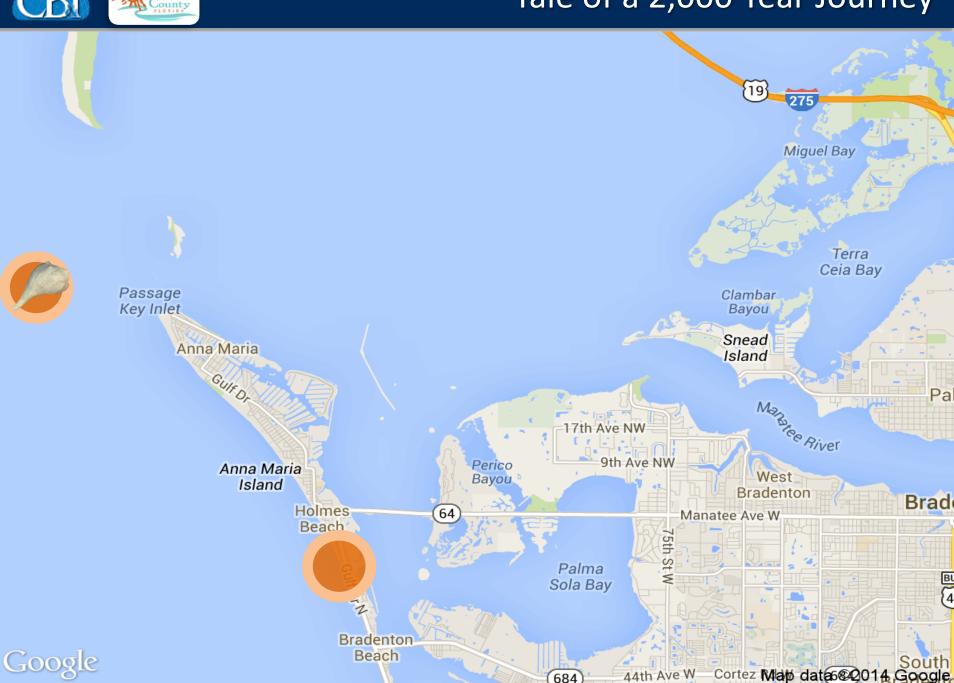




































US Army Corps of Engineers®





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