

RODANTE EROSIONE

PUBLIC MEETING

MORE INFORMATION: www.DareNC.gov/Rodanthe

ADDITIONAL QUESTIONS/COMMENTS: DareCountyPR@DareNC.com

Looking Back: Beach Nourishment

- Federal project proposed in the late 1980s/early 1990s
- 10 miles long
- 70/20/10 cost share (federal/state/local)
- Created an occupancy tax dedicated to beach nourishment to pay the local cost share
- No federal or state money was available

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teras National Seashore, the Cape Lookest National Seashore, and Pen Sec 51/2010, Page 24	De mosting when he and, in opening in remarks, "This group must hold at temporary relief measures, but keep img-range gaals in mind. We seed to	dure immediately, but that a "studied approach" is needed, "rather than just	10 TE 10 11.	1 6016.	the stage with these rure northeastern North Caralina conditions
		three immediately, but that a "studied approach" is socied, "mailee thas just threating down and bagis." Invester, Naga Head Mayor Den Bryan and ether local officials can- tassed against simply doing another study "Our black in set to de another many but we can put ou the shell," solit and force member Bryan. Kill Dowi Hills Mayer Lovell Perry viel de "weinas rendom coblem."	ATTERMENT	10	the reader benders that unitally share the stage with these rere wouldessizes North Caralian confidence All sens have relaveressed offers en- perted to anolderit on a menik of the nerve which totaled in a seconduction between area and two inches. Dr. Due Barders, of the Dans Chanapaney Medi- cal Contars and then abbangh he was "another and". In Dirake worker-
Southern Shore	Agreement	tassed against screpty during another study "Our Intent is not to do another study that we can put on the shell." nold	TVI WAR	Presidente in 9	between zero and two inches. Dr. Dwn Harley, at the Davo Emergency Meli- cal Center said that elthough he was
With Vepco Sai	Havener, Harden and, the term	saik force member Bryan. Still Devil Hills Mayor Levell Perry cited the "autions creation problem"	うたる課題	AND AND AND	partied as a result of the weather at the
spinice from the state Department of Justice on its responsibility to pay the		cited the "serious erasius problem" and said that there is an "investigate need" for action. Town Nanager Lloyd Ballance unged the task force to "put	- A Bar	31. S. Cons 281	facility. An undertermined mathler of residents in the winning of Mileport II in Naga Nasd ware without power for approximatily two hum Moreley rese- ing. One resident was as uppart that he
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During the meeting. Via had reported to the oblasma present that there has been no adversarial with Verce or new.	But procedure, He said that 'updor's al- tensory are working on an approach to the problem which work at up a reac- lation by the town to provide for annual pagement, but he had no details of the	erty and it's not 10 or 12 years down the line. We must do something." Caritee's remarks drew applance	- AL	R. 9. 00-5	
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meet, the said that the town had offered to pay \$15,000 per year physical for	should be arranged. At the county commissioners' meeting Noofby at which there was discusses of the roote of the sen line through Dack, residents of theil area	nald. Chemium noted that Countial Re- augroum Commission regulations do not Say 28033004, Page 74	the base of Jockey's Ridge, so	molting for a day. In this scene at ow covers sand and beach grass, seen on the barrier islands. (S. Pro-	delayed and hear in Tuesday morning to allow the by reads to char, and re socidents were reported among the

2011 Nags Head Beach Nourishment

- Nags Head was the first municipality in Dare County to take on a beach nourishment project.
- The Town of Nags Head contributed approximately 50% for the project.
- Dare County's Beach Nourishment Fund contributed the other 50% of the costs.

Feature Links > Shoreline Management > Beach Nourishment > 2011 Nourishment > Financing

Search Nags Head..

Financing

The beach nourishment project cost is approximately \$36 to 37 million.

As of June 16, 2011, the Town's plan is:

NAGS HEAD

- \$18 million in cash from the Dare County Beach Nourishment Fund (fund will replenish \$3 to 3.5 million per year from the 1% occupancy tax that it currently receives)
- \$18 million revenue bond to be paid back over 6 years with proceeds from a 1% increase to the occupancy tax. The 1% tax increase will generate about \$2 million per year. Nags Head will be able to use the \$2 million per year revenue for 5 years to pay back \$10 million of the bond.
- The remainder of the bond will be paid back through an increase in taxes. The Board has adopted a town-wide tax increase of 2 cents (from last year's town tax rate of 15.75 cents to 17.75 cents) and a tax increase of 16 cents for the ocean-side from Bonnett Street (about Mile Post 11.25) south to the National Park Service line.
- · \$1 million from the Town's general fund (engineering costs)

Dare County's Beach Nourishment Fund

- Funds come from the 6% Dare County occupancy tax (2% is designated for Beach Nourishment Fund)
- This occupancy tax generated \$14.6 million for the fiscal year ending June 30, 2021, and \$15.7 million for the fiscal year ending June 30, 2022.



Dare County's Beach Nourishment Goals

- Put sand on beaches when needed, where needed
- Project future costs
- Project future revenues
- Hold money for future maintenance
- Maintain one year's debt service



Dare County created a financial model for projecting funds available for future projects. **Subsequent Projects:** Duck, Kitty Hawk, Kill Devil Hills, Southern Shores and Buxton

 A special service district was created in each town and village for property owners to be taxed to help pay their share of the project.

The projects were successful.

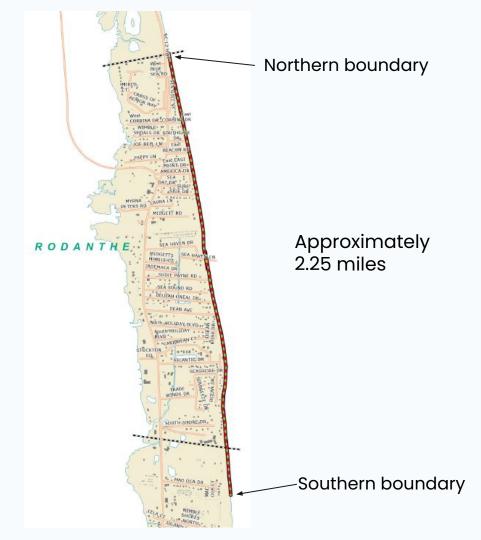




Kitty Hawk Beach Nourishment

What It Might Look Like: An Example of a Beach Nourishment Project in Rodanthe

- Engineers have been hired to update the 2013 Rodanthe study to determine estimated cost, volume of sand needed, project area, and other details.
- The project area has been estimated at approximately 2.25 miles for this example.



Paying for Rodanthe Beach Nourishment

- The 2013 study estimated that Rodanthe beach nourishment would cost close to \$20 million, at that time. Thus, a Rodanthe project in today's market would likely cost well over that amount.
- The erosion rate is high in this area and is therefore likely to be more expensive than other areas that have been nourished in Dare County.
- At the time of this meeting according to the financial model for the beach nourishment fund – Dare County has the ability to borrow roughly \$6 million. However, in order to build a \$20 million project, the model reflects that we would need \$30 million in new money to fund construction and perform maintenance.

Paying for Rodanthe Beach Nourishment

• There is no federal or state funding available.

 If Rodanthe property owners were taxed at a rate similar to other communities in Dare County that have established a special service district for beach nourishment, a total of \$636,309 would be generated towards the \$30 million needed to start a new project.

• Therefore, the cost of a Rodanthe project would have to be almost fully funded by the county's beach nourishment fund.

Where Are We Now?

- The county currently does not have sufficient funds to pay for any new beach nourishment projects. Without an influx of state or federal funding, no new beach nourishment projects are possible in Dare County.
- When and if funding is identified, priorities must be set as to where those funds will be spent.
- There are erosion issues not only in Rodanthe, but also in the canal zone and at Isabel Inlet (the area between Frisco and Hatteras villages).

Questions:

- What is beach nourishment and how are projects funded in Dare County?
- Is there a beach nourishment project scheduled for Rodanthe?
- Has erosion always been an issue for this area of Rodanthe or has it worsened in recent years?
- What area of the beach is owned by the state or federal government? Why don't they address this issue?
- What stretch of beach would be nourished as part of a potential Rodanthe beach nourishment project?

Questions:

 Has Dare County considered other options—such as the installation of terminal groins, jetties or seawalls—to address the issue of shoreline erosion?

Why isn't there a beach nourishment project in Rodanthe?

- What is the process for moving forward with a project? What are the next steps?
- How much would a beach nourishment project in Rodanthe cost?

 What are the chances that the contractors working to clear the sand bags and debris from the section at the s-curves, could be paid a bit extra to create an inlet opening at the s-curves while they are there already doing EXTRA work with the sandbag clean up?

Questions:

- Why aren't state or federal dollars being used to fund beach nourishment?
- Is there any potential for our houses to be purchased through the N.C. Office of Recovery & Resiliency Strategic Buyout Program?
- What plans if any does the county have to deal with erosion, especially storm-related, on the soundside of Hatteras Island?
- Does any entity have any plans to protect that stretch of homes near Green Lantern Court to protect from an inlet cutting just north of Rodanthe?
- Does the county plan to work directly with NCCF to promote and pursue living shoreline methods to limit and mitigate damage and erosion from the soundside flooding referenced above?



DARE COUNTY

RODANTHE BEACH EROSION

REGISTERED SPEAKERS Q&A SESSION

MORE INFORMATION: www.DareNC.gov/Rodanthe

ADDITIONAL QUESTIONS/COMMENTS: DareCountyPR@DareNC.com