

Permit Class
NEW

Permit Number
45-10

STATE OF NORTH CAROLINA
Department of Environment and Natural Resources
and
Coastal Resources Commission

Permit

for

Major Development in an Area of Environmental Concern
pursuant to NCGS 113A-118

Excavation and/or filling pursuant to NCGS 113-229

Issued to Town of Nags Head, PO Box 99, Nags Head, NC 27959

Authorizing development in Dare County at Atlantic Ocean and Ocean Beach within Town
limits. as requested in the permittee's application dated 8/18/09, including the

attached drawings (26), 17 dated Apr. 2009 & 9 dated revised Oct. 2009, & attached AEC Hazard Notice dated 4/28/09

This permit, issued on April 29, 2010, is subject to compliance with the application (where consistent with the permit), all applicable regulations, special conditions and notes set forth below. Any violation of these terms may be subject to fines, imprisonment or civil action; or may cause the permit to be null and void.

Excavation

- 1) Unless specifically altered herein, all excavation activities shall take place entirely within the areas indicated on attached figures No. 02 (Overall Project Plan) and No. S1 (Survey Track and Tie Lines) and in accordance with the attached narrative dated 1/5/09.

(See attached sheets for Additional Conditions)

This permit action may be appealed by the permittee or other qualified persons within twenty (20) days of the issuing date. An appeal requires resolution prior to work initiation or continuance as the case may be.

This permit must be accessible on-site to Department personnel when the project is inspected for compliance.

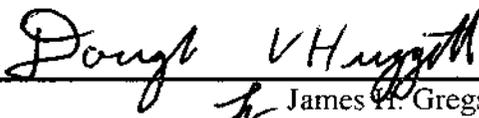
Any maintenance work or project modification not covered hereunder requires further Division approval.

All work must cease when the permit expires on

September 3, 2014

In issuing this permit, the State of North Carolina agrees that your project is consistent with the North Carolina Coastal Management Program.

Signed by the authority of the Secretary of DENR and the Chairman of the Coastal Resources Commission.


James H. Gregson, Director
Division of Coastal Management

This permit and its conditions are hereby accepted.

Signature of Permittee

ADDITIONAL CONDITIONS**Cultural Resource Protection**

- 2) In order to satisfy concerns with the North Carolina Department of Cultural Resources, and to protect the two magnetic anomaly clusters identified in the report prepared by Tidewater Atlantic Research entitled "A Phase I Remote Sensing Archaeological Survey of the Three Proposed Borrow Sites East of Bodie Island, Dare County, North Carolina", there shall be a 400 foot diameter buffer zone around each of the two anomalies. No excavation activities shall take place with these buffer areas without permit modification.

Beach Nourishment

- 3) This permit authorizes beach nourishment activities to be carried out one (1) time along the entire reach of the requested project area. Any request to carry out additional activities within an area where nourishment activities have been completed under this permit shall require a modification of this permit.
- 4) Prior to initiation of beach nourishment activity along each section of beach, the existing mean high water line shall be surveyed, and a copy of the survey provided to the Division of Coastal Management.

NOTE: The permittee is advised that the State of North Carolina claims title to all currently submerged lands and any future lands that are raised above the Mean High Water level as a result of this project.

- 5) Prior to the initiation of any beach nourishment activity above the normal high water contour (NHW) within the limits of the permittee's jurisdiction, easements or similar legal instruments shall be obtained from all impacted property owner's.
- 6) Prior to the initiation of any beach nourishment activity, the permittee shall coordinate with the Division of Coastal Management to determine the static vegetation line that shall be used as the reference point for measuring future oceanfront setbacks. The static vegetation line, which is defined as the vegetation line that existed within one year prior to the onset of initial project construction, shall be established using on-ground observation and survey or aerial imagery. This static vegetation line shall then be marked and a survey depicting this static vegetation line shall be submitted to the Division of Coastal Management prior to any beach nourishment activities.
- 7) The seaward nourishment limit shall be conducted in accordance with the attached work plats labeled "Project Plan" figures 3 -17 all dated April 2009.
- 8) Temporary dikes shall be used to retain and direct flow of material parallel to the shoreline to minimize surf zone turbidities. The temporary dikes shall be removed and the beach graded in accordance with approved profiles upon completion of pumping activities in that particular section of beach.
- 9) Should dredging operations encounter sand deemed non-compatible with 15A NCAC 07H .0312 (Technical Standards for Beach Fill Projects), the dredge operator shall immediately cease operation and contact the NCDRCM. Dredge operations shall resume after resolution of the issue of sand compatibility.
- 10) In order to prevent leakage, dredge pipes shall be routinely inspected. If leakage is found and repairs cannot be made immediately, pumping of material shall stop until such leaks are fixed.

ADDITIONAL CONDITIONS

- 11) Once a section is complete, piping and heavy equipment shall be removed or shifted to a new section and the area graded and dressed to final approved slopes.
- 12) Land-based equipment necessary for beach nourishment work shall be brought to the site through existing accesses. Should the work result in any damage to existing accesses, the accesses shall be restored to pre-project conditions immediately upon project completion in that specific area

NOTE: The permittee is advised that any new access site would require a modification of this permit.

- 13) Where oceanfront development exists at elevations nearly equal to that of the native beach, a low protective dune shall be pushed up along the backbeach to prevent slurry from draining towards the development.
- 14) Dune disturbance shall be kept to a minimum. Any alteration of existing dunes shall be coordinated with the Division of Coastal Management as well as the appropriate property owner(s). All disturbed areas shall be restored to original contours and configuration with reference to the surveyed normal high water line and shall be revegetated immediately following project completion in that specific area.

Mitigation and Monitoring

- 15) The permittee shall fully implement the benthic monitoring plan as described in the attached "Draft Proposed Benthic Monitoring Plan" dated April 2010, including the following modifications to the approved plan:
 - a) Samples stations within the swash and subtidal zones shall be defined with standardized (fixed) stations that can be accurately relocated for all subsequent sampling events:
 - b) The northern control station shall be located in an area that will not be potentially renourished by future nourishment projects (ie. USACE or Town of Kill Devil Hills):
 - c) The control stations shall be located +/- 4 miles north and +/- 4 miles south of the authorized impact area, as opposed to the +/- 2 mile separations currently proposed:
 - d) Prior to the initiation of implementation of the benthic monitoring plan, the permittee shall provide to the Division for approval a more specific plan on what organisms are proposed to be identified, as well as what mesh size the applicant proposes to use to collect these organisms.

ADDITIONAL CONDITIONS

- 16) In order to ensure protection of sea turtles, the permittee shall implement the following survey activities throughout the entire project area from May 1st through November 15th for the duration of the authorized project;
- a) In each case of observation of sea turtles (nesting females, hatchlings or eggs), designated local personnel shall immediately be notified:
 - b) If a sea turtle is observed in the project area during the project, all work shall immediately be stopped within 500 ft. of the turtle. If the turtle successfully places a clutch of eggs on the beach, work in the area shall not resume until the eggs can be relocated to a safe area. If the turtle returns to the water without nesting, work may resume in the affected area:
 - c) If recently emerged hatchlings from an unmarked nest are observed, all work shall immediately stop within 100 feet of the hatchlings, and all artificial lighting shall be extinguished within 500 feet of the hatchling to facilitate seafinding behavior of the hatchlings. Work shall not resume within 100 feet of the emerged nest until authorized sea turtle volunteers can excavate the nest and release any remaining hatchlings into the ocean:
 - d) Nests located in areas where beach nourishment material is to be placed prior to nest hatching shall be relocated to typical nesting habitat on the beach outside of the project area. Nesting surveys and egg relocations shall be conducted only by Wildlife Resources Commission permitted personnel with prior experience and training. Only nests that will be affected by construction activities may be moved:
 - e) If any nests or eggs are discovered during the project, all project activity shall immediately cease within 50 feet of the location of the eggs or nest. Work in the affected area shall only resume after receiving permission from Wildlife Resources Commission staff:
 - f) During beach nourishment activities, daily monitoring shall be conducted to determine if escarpments have formed. Any escarpments greater than 18 inches that are present between May 1st and August 30 shall be leveled. Monitoring outside the sea turtle nesting season shall be done at least once every two weeks. Leveling activities shall be coordinated with the Wildlife resources Commission prior to implementation. The permittee shall implement the escarpment monitoring and associated leveling for three years post construction:
 - g) During the sea turtle season (May 1 through November 15), efforts shall be made to minimize impacts to sea turtle access to the beach to the maximum extent possible by storing equipment and materials off of the beach, perpendicular to the beach, or at the landward most area of the beach that does not compromise dune integrity:
 - h) During the sea turtle season (May 1 through November 15), nighttime lighting associated with nourishment activities shall be minimized. Lighting shall be limited to the immediate construction area and shall be minimized through reduction, shielding, lowering, and appropriate placement to avoid excess illumination of the water surface and nesting beach.

ADDITIONAL CONDITIONS

- 17) Unless specifically modified herein, all mitigative commitments and/or biological monitoring commitments made during the environmental review process as found in the final Environmental Impact Statement shall be adhered to.

General

- 18) This permit does not authorize the extension of any of the existing ocean outfalls that fall within the project boundaries.
- 19) This permit shall not be assigned, transferred, sold or otherwise disposed of to a third party without the written approval of the Division of Coastal Management.
- 20) The permittee and his contractor shall schedule a pre-construction conference with the Division of Coastal Management and the Wildlife Resources Commission prior to the initiation of any dredging or mobilization activities.
- 21) The permittee shall obtain any necessary authorizations or approvals from the US Army Corps of Engineers prior to initiation of any permitted activity. All conditions of the Federal approval shall be adhered to.
- 22) The permittee and/or his contractor shall provide for proper storage and handling of all oils, chemicals hydraulic fluids, etc., necessary to carry out the project.
- 23) The N.C. Division of Water Quality has authorized the proposed project under General Water Quality Certification No. 3642 (DWQ Project No. 06-1275 V2), which was issued on 4/28/10. Any violation of the Water Quality Certification shall also be considered a violation of this CAMA Permit.
- 24) No sand shall be placed on any sand bags that have been determined by the Division of Coastal Management to be subject to removal under 15A NCAC .0308(a)(2). In order to ensure compliance with this condition, the Division of Coastal Management shall be contacted at (252) 264-3901 prior to project initiation so that Division staff may meet on site with the permittee and/or contractor.
- 25) This permit does not authorize any permanent or long-term interference with the public's right of access and/or usage of all State lands and waters.
- 26) The permittee shall make every effort possible to minimize any negative impacts of trucks and construction equipment on roadway and pedestrian traffic. The permittee should also ensure that the ability of individuals to access and enjoy the beach is not impeded outside of the construction limits.

NOTE: The permittee is advised that the Division of Coastal Management shall regulate the removal of existing sandbags and the placement of new sandbags in accordance with 15A NCAC 07H .0308 (a)(2)(F), or in accordance with any variances granted by the N.C. Coastal Resources Commission.

ADDITIONAL CONDITIONS

NOTE: This permit does not eliminate the need to obtain any additional state, federal or local permits, approvals or authorizations that may be required.

NOTE: Future nourishment activities may require a modification of this permit. The permittee shall contact a representative of the Division at (252) 264-3901 prior to the commencement of any such activity for the determination.

NOTE: The permittee is encouraged to make its contractors aware of existing utilities during ingress and egress of the site to avoid damage to the utilities. Please contact the Dare County Water Department to confirm the location of utilities in the area.

APPLICATION for Major Development Permit

(last revised 12/27/06)

2008
COASTAL MANAGEMENT
Elizabeth City



North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information				
Business Name N/A		Project Name (if applicable) Nags Head Emergency Beach Nourishment		
Applicant 1: First Name Town of Nags Head		MI	Last Name	
Applicant 2: First Name		MI	Last Name	
<i>If additional applicants, please attach an additional page(s) with names listed.</i>				
Mailing Address N/A		PO Box 99	City Nags Head	State NC
ZIP 27959	Country USA	Phone No. 252 - 441 - 5508 ext.		FAX No. 252 - 441 - 0776
Street Address (if different from above) N/A		City	State	ZIP -
Email N/A				

2. Agent/Contractor Information				
Business Name Coastal Science And Engineering				
Agent/ Contractor 1: First Name Jeremy		MI G	Last Name Ganey	
Agent/ Contractor 2: First Name Bill		MI	Last Name Forman	
Mailing Address 1209 A Arendell St		PO Box	City Morehead City	State NC
ZIP 28557		Phone No. 1 252 - 222 - 0976 ext.		Phone No. 2 252 - 247 - 2631 ext.
FAX No. 252 222 0967		Contractor # 2203		
Street Address (if different from above) N/A		City	State	ZIP
Email jganey@coastalscience.com				

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3. Project Location			
County (can be multiple) Dare	Street Address East of Virginia Dare Trail (NC 12), south of Blackmon St, and north of an area near McCall Ct	State Rd. #	
Subdivision Name N/A	City Nags Head	State NC	Zip 27959 -
Phone No. 252 - 441 - 5508 ext.		Lot No.(s) (if many, attach additional page with list) N/A,	
a. In which NC river basin is the project located? Pasquotank		b. Name of body of water nearest to proposed project Atlantic Ocean	
c. Is the water body identified in (b) above, natural or manmade? <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Manmade <input type="checkbox"/> Unknown		d. Name the closest major water body to the proposed project site. Atlantic Ocean	
e. Is proposed work within city limits or planning jurisdiction? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		f. If applicable, list the planning jurisdiction or city limit the proposed work falls within. Nags Head	

4. Site Description	
a. Total length of shoreline on the tract (ft.) approximately 53,000 ft	b. Size of entire tract (sq.ft.) 16,380,000
c. Size of individual lot(s) N/A, (If many lot sizes, please attach additional page with a list)	d. Approximate elevation of tract above NHW (normal high water) or NWL (normal water level) 0-138 ft (Jockey's Ridge) <input checked="" type="checkbox"/> NHW or <input type="checkbox"/> NWL
e. Vegetation on tract Primary and secondary dune vegetation	
f. Man-made features and uses now on tract Timber dune walkovers, sand bags, and fishing piers	
g. Identify and describe the existing land uses <u>adjacent</u> to the proposed project site. Developed (commercial and residential) and Conservation	
h. How does local government zone the tract? N/A	i. Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
j. Is the proposed activity part of an urban waterfront redevelopment proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
k. Has a professional archaeological assessment been done for the tract? If yes, attach a copy. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA If yes, by whom? Tidewater Atlantic Research	
l. Is the proposed project located in a National Registered Historic District or does it involve a National Register listed or eligible property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	

<Form continues on next page>

m. (i) Are there wetlands on the site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(ii) Are there coastal wetlands on the site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(iii) If yes to either (i) or (ii) above, has a delineation been conducted? (Attach documentation, if available)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
n. Describe existing wastewater treatment facilities.	Individual septic and municipal wastewater systems
o. Describe existing drinking water supply source.	Potable water supply for Nags Head provided by municipal and private wells
p. Describe existing storm water management or treatment systems.	Detention wetlands, pocket wetlands, grass swales, detention ponds, sand filters, and infiltration ponds.

5. Activities and Impacts	
a. Will the project be for commercial, public, or private use?	<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Public/Government <input type="checkbox"/> Private/Community
b. Give a brief description of purpose, use, and daily operations of the project when complete.	See attached under Project Description.
c. Describe the proposed construction methodology, types of construction equipment to be used during construction, the number of each type of equipment and where it is to be stored.	Typical beach nourishment equipment. Bulldozers, front end loaders, and possible excavators will work and be stored on the beach. The exact number and types of equipment will be determined by contractor.
d. List all development activities you propose.	Excavation and filling by dredge and pipeline; beach nourishment.
e. Are the proposed activities maintenance of an existing project, new work, or both?	New
f. What is the approximate total disturbed land area resulting from the proposed project?	498 <input type="checkbox"/> Sq.Ft or <input checked="" type="checkbox"/> Acres
g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
h. Describe location and type of existing and proposed discharges to waters of the state.	Dredge slurry discharge of approximately 50% water and 50% sand
i. Will wastewater or stormwater be discharged into a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
If yes, will this discharged water be of the same salinity as the receiving water?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
j. Is there any mitigation proposed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
If yes, attach a mitigation proposal.	

<Form continues on back>

6. Additional Information

In addition to this completed application form, (MP-1) the following items below, if applicable, must be submitted in order for the application package to be complete. Items (a) - (f) are always applicable to any major development application. Please consult the application instruction booklet on how to properly prepare the required items below.

- a. A project narrative.
- b. An accurate, dated work plat (including plan view and cross-sectional drawings) drawn to scale. Please give the present status of the proposed project. Is any portion already complete? If previously authorized work, clearly indicate on maps, plats, drawings to distinguish between work completed and proposed.
- c. A site or location map that is sufficiently detailed to guide agency personnel unfamiliar with the area to the site.
- d. A copy of the deed (with state application only) or other instrument under which the applicant claims title to the affected properties.
- e. The appropriate application fee. Check or money order made payable to DENR.

f. A list of the names and complete addresses of the adjacent waterfront (riparian) landowners and signed return receipts as proof that such owners have received a copy of the application and plats by certified mail. Such landowners must be advised that they have 30 days in which to submit comments on the proposed project to the Division of Coastal Management.

Name Isabel T. McIendon	Phone No. N/A
Address 8117 Blue Heron Dr APT 104 Wilmington, NC 28411	
Name National Park Service - Cape Hatteras National Seashore	Phone No. (252) 473-2111
Address 1401 National Park Dr Manteo, NC 27954	
Name	Phone No.
Address	

g. A list of previous state or federal permits issued for work on the project tract. Include permit numbers, permittee, and issuing dates.
 CAMA Major Permit # 37-04, Town of Nags Head, 26 Feb 04

h. Signed consultant or agent authorization form, if applicable.

i. Wetland delineation, if necessary.

j. A signed AEC hazard notice for projects in oceanfront and inlet areas. (Must be signed by property owner)

k. A statement of compliance with the N.C. Environmental Policy Act (N.C.G.S. 113A 1-10), if necessary. If the project involves expenditure of public funds or use of public lands, attach a statement documenting compliance with the North Carolina Environmental Policy Act.

7. Certification and Permission to Enter on Land

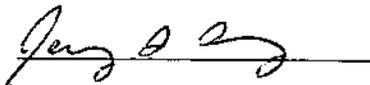
I understand that any permit issued in response to this application will allow only the development described in the application. The project will be subject to the conditions and restrictions contained in the permit.

I certify that I am authorized to grant, and do in fact grant permission to representatives of state and federal review agencies to enter on the aforementioned lands in connection with evaluating information related to this permit application and follow-up monitoring of the project.

I further certify that the information provided in this application is truthful to the best of my knowledge.

Date August 18, 2009

Print Name Jeremy G. Ganey

Signature 

Please indicate application attachments pertaining to your proposed project.

- DCM MP-2 Excavation and Fill Information
- DCM MP-3 Upland Development
- DCM MP-4 Structures Information
- DCM MP-5 Bridges and Culverts

This section not applicable

3. SHORELINE STABILIZATION
(If development is a wood groin, use MP-4 - Structures)

- a. Type of shoreline stabilization:
 Bulkhead Riprap Breakwater/Sill Other: Beach Nourishment
- b. Length: ~53,000 ft
Width: 250 ft - 720 ft
- c. Average distance waterward of NHW or NWL: 380 ft waterward of NHW
- d. Maximum distance waterward of NHW or NWL: 590 ft waterward of NHW
- e. Type of stabilization material:
Medium Sand
- f. (i) Has there been shoreline erosion during preceding 12 months?
 Yes No NA
(ii) If yes, state amount of erosion and source of erosion amount information.
5.2cy/ft/yr (overall beach), See Narrative
- g. Number of square feet of fill to be placed below water level.
Bulkhead backfill N/A Riprap N/A
Breakwater/Sill N/A Other 415 acres below MHW
- h. Type of fill material.
Medium Sand
- i. Source of fill material.
Offshore borrow area, See Borrow Area Characteristics

4. OTHER FILL ACTIVITIES
(Excluding Shoreline Stabilization) This section not applicable

- a. (i) Will fill material be brought to the site? Yes No NA
if yes,
(ii) Amount of material to be placed in the water _____
(iii) Dimensions of fill area _____
(iv) Purpose of fill _____
- b. (i) Will fill material be placed in coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None _____
(ii) Describe the purpose of the fill in these areas:

5. GENERAL

- a. How will excavated or fill material be kept on site and erosion controlled?
Earthen dikes
- b. What type of construction equipment will be used (e.g., dragline, backhoe, or hydraulic dredge)?
Hydraulic and/or hopper dredge, bulldozers, and front end loaders
- c. (i) Will navigational aids be required as a result of the project?
 Yes No NA
(ii) If yes, explain what type and how they will be implemented.

- d. (i) Will wetlands be crossed in transporting equipment to project site? Yes No NA
(ii) If yes, explain steps that will be taken to avoid or minimize environmental impacts.

August 18, 2009

Date _____

Nags Head Emergency Beach Nourishment

Project Name _____

Jeremy G. Ganey

Applicant Name _____

Jeremy G. Ganey

Applicant Signature _____

AEC HAZARD NOTICE

Project Is In An: Ocean Erodeable Area High Hazard Flood Area Inlet Hazard Area

Property Owner: TOWN OF NAGS HEAD RECEIVED

Property Address: VARIOUS APR 28 2009

Date Lot Was Platted: VARIOUS

COASTAL MANAGEMENT
Elizabeth City

This notice is intended to make you, the applicant, aware of the special risks and conditions associated with development in this area, which is subject to natural hazards such as storms, erosion and currents. The rules of the Coastal Resources Commission require that you receive an AEC Hazard Notice and acknowledge that notice in writing before a permit for development can be issued.

SPECIAL NOTE: This hazard notice is required for development in areas subject to sudden and massive storms and erosion. Permits issued for development in this area expire on December 31 of the third year following the year in which the permit was issued. Shortly before work begins on the project site, the Local Permit Officer must be contacted to determine the vegetation line and setback distance at your site. If the property has seen little change since the time of permit issuance, and the proposed development can still meet the setback requirement, the LPO will inform you that you may begin work. Substantial progress on the project must be made within 60 days of this setback determination, or the setback must be remeasured. Also, the occurrence of a major shoreline change as the result of a storm within the 60-day period will necessitate remeasurement of the setback. It is important that you check with the LPO before the permit expires for official approval to continue the work after the permit has expired. Generally, if foundation pilings have been placed and substantial progress is continuing, permit renewal can be authorized. It is unlawful to continue work after permit expiration.

The Commission's rules on building standards, oceanfront setbacks and dune alterations are designed to minimize, but not eliminate, property loss from hazards. By granting permits, the Coastal Resources Commission does not guarantee the safety of the development and assumes no liability for future damage to the development. Permits issued in the Ocean Hazard Area of Environmental Concern include the condition that structures be relocated or dismantled if they become imminently threatened by changes in shoreline configuration. The structure(s) must be relocated or dismantled within two (2) years of becoming imminently threatened, and in any case upon its collapse or subsidence.

For more information, contact:

The best available information, as accepted by the Coastal Resources Commission, indicates that the annual long-term average ocean erosion rate for the area where your property is located is 2-7.5 feet per year.

JOHN CECE

Local Permit Officer

The rate was established by careful analysis of aerial photographs of the coastline taken over the past 50 years.

DCM - ELIZABETH CITY

Address

Studies also indicate that the shoreline could move as much as 25 feet landward in a major storm.

Locality

The flood waters in a major storm are predicted to be about 11-14 feet deep in this area.

252-264-3901 x234

Phone Number

Preferred oceanfront protection measures are beach nourishment and relocation of threatened structures. Hard erosion control structures such as bulkheads, seawalls, revetments, groins, jetties and breakwaters are prohibited. Temporary sand bags may be authorized under certain conditions.

The applicant must acknowledge this information and requirements by signing this notice in the space below. Without the proper signature, the application will not be complete.

[Signature] 4-28-09
Applicant Signature Date