EDISTO BEACH
COASTAL STORM DAMAGE REDUCTION
GENERAL INVESTIGATION STUDY

APPENDIX I
CORRESPONDENCE
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August 15, 2008

Mr. Leo Henry, Chief
Tuscarora Nation
2006 Mount Hope Road
Lewiston, NY 14092

Dear Mr. Leo Henry,

The US Army Corps of Engineers is working with the Town of Edisto on a feasibility study to examine alternatives for the reduction of hurricane and storm damages. In addition, we are also evaluating the potential for environmental benefits associated with providing protection of the beach, maritime forest and unique marsh habitats that exist along the Edisto Beach State Park area.

All Corps feasibility studies go through six basic steps before completion. Those steps are listed below as well as a short description of what the Corps’ Project Delivery Team (PDT) is currently working on regarding each step.

1. **Identify Problems & Opportunities**- Identified high erosion rates for all beachfront Edisto Island- southwest of Highway 174 to the end of the island (beachfront). Beach nourishment would assist in reducing storm damages to structures and would have recreational & long-term T&E (sea turtle & piping plover) and environmental benefits.

2. **Inventory and Forecast Conditions**- A potential borrow source has been identified; however further analysis will be conducted to identify any other potential sites. Structures are being inventoried to determine damage potential. In addition, models will be used to determine the impacts associated with storm events.

3. **Formulate alternative plans**- Some alternatives that have been identified include nearshore placement, groin construction/manipulation, offshore breakwater, and beach nourishment.

4. **Evaluate alternative plans**- Once a complete list of alternatives is compiled, an evaluation of each individual alternative will be completed. Evaluation will consist of measuring or estimating the economic, environmental, and social
effects of each plan, and determining the difference between the without- and with-project conditions. Feasible plans will be carried forward for comparison against one another.

5. **Compare alternative plans**- Alternative plans will be compared, focusing on the differences among the plans identified in the evaluation phase including public comment. Differences in environmental and economic benefits produced by the alternatives are assessed.

6. **Select a plan**- A recommended plan will be identified for permitting and construction.

Enclosed you will find maps of the project areas as well as the type of benefit we believe will be derived from beach nourishment. Also enclosed is a map of the initial vibracore areas which help identify the potential borrow site. Please note this is preliminary and the area will more than likely be expanded or another borrow location may be identified. We are in the initial phases of this study. Some alternatives plans that will be considered include:

- Structure Relocation
- Groin Lengthening
- New Groin Construction
- Sand-Fencing/Grassing
- Offshore Breakwater

During and after Step 5, “Selecting a Plan”, we will be seeking the appropriate authorizations required to move forward with construction. However, we will be coordinating throughout the process in order to identify the plan that is economically justified and is environmentally sustainable.

Please provide any information you may have regarding alternatives for beach nourishment, potential economic or environmental benefits, information on existing site conditions, or any questions or concerns regarding this project. Please forward your responses to Elizabeth Jackson at 843-329-8099, by mail or e-mail her at elizabeth.g.jackson@usace.army.mil. It would be appreciated if you could provide your comments, concerns or information by September 19, 2008.

Thank you for your cooperation and participation in the Edisto Island Project.

Respectfully,

Joseph A. Jones
Chief, Planning Branch

encls.
Mr. Joseph A. Jones  
Chief, Planning Branch  
U.S. Army Corps of Engineers  
69A Hagood Avenue  
Charleston, SC 29403-5107

Attn: Elizabeth Jackson

Re: Hurricane and Storm Damage Reduction Study, Town of Edisto, SC  
FWS Log No. 42410-2008-FA-0341

Dear Mr. Jones:

The U.S. Fish and Wildlife Service (Service) is in receipt of the U.S. Army Corps of Engineers (COE) letter regarding the feasibility study for storm damage reduction near the Town of Edisto, SC. The COE is evaluating multiple alternatives including beach renourishment, structure relocation, groin construction or enhancement, dune stabilization and use of offshore breakwaters, to accomplish this task as well as potential benefits associated with the beach protection measures. You have solicited the Service to provide any concerns regarding this project, potential alternatives as well as information on site conditions and benefits that may result from the project. Upon consideration of the alternatives we find this potential project represents several potential benefits as well as potential adverse impacts.

Renourishment

Renourishment of eroded beaches has proven to be an effective yet short-term method to protect coastal development. The Service believes placement of sand along the beachfront may provide effective protection and cause minimal harm to indigenous flora and fauna if the activity is performed during periods of low biological activity. The Service recommends any future renourishment project for the Town of Edisto beach be performed during the November through April time frame to avoid sea turtle nesting season. Turtle nesting success may increase upon completion of the renourishment project provided the source sand material is of suitable volume, grain size and texture.

Sand sources for renourishment projects should be thoroughly analyzed prior to use. The Service does not believe dynamic inlets or active beach areas are an appropriate source for large
scale projects. Offshore borrow areas, devoid of live bottom resources, will provide long-term source material with minimal impacts to benthic habitat.

It is understood that several potential borrow site locations for the Edisto project are under review by the COE. The offshore area immediately south of the project is a designated unit of the Coastal Barrier Resources System (Otter Island Unit M10). As such, the area is subject to the Coastal Barrier Improvement Act (P.L.101-591) and may be ineligible for use by this project.

Structure Relocation

The Service believes that the highest and best economic or environmental benefits would be attained through structure relocation. Moving beachfront homes landward and therefore further from the active beachfront zone significantly reduces the possibility of storm related damage to the structures and increases human safety. With the relocation of homes, artificial erosion control structures would not be necessary and the coastal area of Edisto Beach would eventually revert to a more natural beach/dune system. We believe this would ultimately result in an economic benefit through increased tourism.

Groin Construction or Enhancement

The Service would not object to maintaining or replacing existing groins with the existing configuration. However, enlargement of groins already in place or construction of new hardened structures has the potential to cause more of an impact to fish and wildlife resources. Shore perpendicular groin fields provide a limited protection benefit. Groin structures typically trap sand on the updrift side while contributing to an increased erosion rate on the immediate downdrift side. In addition to serving as an aesthetic distraction, groins represent a public safety hazard. The Service finds that the adverse impacts of groins far outweigh their benefits.

Dune Stabilization

Dune stabilization measures such as placement of dune vegetation or sand fencing would serve as an effective enhancement measure for renourishment activities. If properly installed, vegetation and fencing provides sand investment protection without impeding use of the beach/dune system by the endangered loggerhead seaturtle or the general public. Only dune vegetation native to Charleston County, SC should be planted.

Offshore Breakwaters

The Service is concerned that the use of offshore breakwaters will pose more risks than benefits to the beach/dune system. Placement of shore parallel structures may reduce onshore wave energy; however breakwaters may also prevent sea turtles from accessing the beachfront during the nesting season. In addition, breakwaters may create a navigational hazard for near shore vessels in addition to a public safety hazard for recreational swimmers.

Upon review of the Heritage Trust database, the Service finds few known occurrences of federally protected threatened and endangered (T&E) species within the study area. The two
most notable T&E species known to occur along the Edisto Beach shoreline are the loggerhead sea turtle, *Caretta caretta*, and the piping plover, *Charadrius melodus*. However, other T&E species and species of concern may also occur in the project area. A list of species for Charleston and Colleton Counties is included for your consideration during this project’s planning efforts.

The Service appreciates the opportunity to provide comments on this project in its early stages. As planning proceeds, you should discuss the need for a Fish and Wildlife Coordination Act Report with the Service. If you have any questions or require additional information, please contact Mark Caldwell of the Charleston Field office. He may be reached at (843) 727-4707 ext. 215.

Sincerely,

Timothy N. Hall
Field Supervisor

TNH/MAC/km
South Carolina Distribution Records of
Endangered, Threatened, Candidate and Species of Concern
March 2008

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Status</th>
<th>Occurrence</th>
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</thead>
<tbody>
<tr>
<td>West Indian manatee</td>
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<tr>
<td>Bald eagle</td>
<td>Haliaeetus leucocephalus</td>
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<tr>
<td>Piping plover</td>
<td>Charadrius melodus</td>
<td>T, CH</td>
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<td>Kemp's ridley sea turtle</td>
<td>Lepidochelys kempii*</td>
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</tr>
<tr>
<td>Loggerhead sea turtle</td>
<td>Caretta caretta</td>
<td>T</td>
<td>Known</td>
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<tr>
<td>Green sea turtle</td>
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<td>Acipenser brevirostrum*</td>
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<td>Pondberry</td>
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</tr>
<tr>
<td>Gopher frog</td>
<td>Rana capito</td>
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These lists should be used only as a guideline, not as the final authority. The lists include known occurrences and areas where the species has a high possibility of occurring. Records are updated continually and may be different from the following.

CHARLESTON COUNTY
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<td>Forestiera godfreyi</td>
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<td>Black rail</td>
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<tr>
<td>Rafinesque's big-eared bat</td>
<td>Corynorhinus rafinesquii</td>
<td>SC</td>
<td>Known</td>
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</tbody>
</table>
Ms. Elizabeth Jackson  
U. S. Army Corps of Engineers  
69-A Hagood Avenue  
Charleston, SC 29403-5107

REF: Feasibility Study on Alternatives for the Reduction of Hurricane and Storm Damages on Edisto Island

Dear Ms. Jackson:

Personnel with the South Carolina Department of Natural Resources have reviewed the proposal to conduct a feasibility study on alternatives for the reduction of hurricane and storm damages on Edisto Island and offer the following comments.

We understand your agency is in the initial phases of preparing a feasibility study for storm damage reduction on Edisto Island. As a part of this study, several alternative plans will be considered, including structure relocation, groin lengthening, new groin construction, sand fencing, and offshore breakwater construction. In general, our department prefers and encourages the use of soft solutions for erosion control, such as beach nourishment and sand fencing. These activities if properly planned and implemented can provide environmental benefits with minimal impacts to the environment. Other alternatives being considered that involve the construction of hard structures are of more concern and could potentially result in significant environmental impacts. The following is a summary on our concerns and recommendations for the alternatives being considered.

Structure Relocation – This alternative should be given serious consideration in areas subject to severe erosional patterns and where structures are threatened. We encourage a retreat from the beach in these situations.

Beach Nourishment - Soft solutions such as this are preferred using appropriate materials and timed to avoid impacts to nesting sea turtles. Beach nourishment should occur from November through April, which is outside of the sea turtle nesting season. The use of a hopper dredge to obtain borrow materials should only be used from December through March when sea turtles are not present. Only those borrow sites that provide materials with similar grain size and color to the native beach should be considered. The mining of sands from active beach areas, both intertidal and subtidal, should be avoided and considered in emergency situations only.

Groin Construction - We discourage the use of hard erosion control devices on the beach, especially in areas utilized for nesting by sea turtles. New groin construction is especially troublesome. The potential exists for significant direct and indirect impacts to nesting females.
and nesting success as a result of groin construction and the use of heavy machinery on the beach. Groin placement can indirectly impact nesting activities by degrading nesting habitat on the downdrift side. Groin construction could result in accelerated erosion of the beach in areas currently used as nesting habitat. We are generally not opposed to the maintenance of existing groin structures, provided the size and dimension of the groins are not substantially different from the originally permitted structure.

**Sand Fencing/Grassing** - If properly designed, located and maintained, sand fencing can provide benefits in dune stabilization. All fencing should be done in accordance with current OCRM regulations. The same applies to plantings. Only native dune vegetation should be used.

**Offshore Breakwater** - The use of offshore breakwaters for erosion control is not a well known practice in this state and we have a number of concerns regarding its use on the beachfront. The potential exists for interference with aquatic life movement, particularly sea turtles attempting to access the beachfront. Such structures are also likely to adversely affect recreational use of the beach as well as pose a navigational hazard. Again, we discourage the use of hard erosional control devices on or near the beachfront.

We appreciate the opportunity to provide comments early in the planning stages of this project. We ask that you take the above comments into consideration in the formulation of a plan to reduce storm damages on Edisto Island.

Sincerely,

Susan F. Davis
Coastal Environmental Coordinator

Cc: SCDHEC/Beckham
    OCRM/Rodgers
    USEPA/Lord
    USFWS/Hall
    NMFS
Ms. Elizabeth Jackson
Charleston District, Corps of Engineers
69A Hagood Ave.
Charleston, SC 29403

RE: Hurricane Damage Reduction Feasibility Study
   Edisto Beach, SC

Dear Ms. Jackson:

Personnel with the SCDHEC Office of Ocean and Coastal Resource Management have reviewed the proposal to conduct a feasibility study on alternatives for the reduction of hurricane and storm damage on Edisto Island and have the following comments for the alternatives being considered. These comments are all based on South Carolina’s overall policy for beachfront management, which is to encourage retreat in areas where structures have been built in close proximity to the beach.

Structure Relocation: This alternative is consistent with South Carolina’s policy of retreat on beachfront property, wherein owners of structures that are located too close to the ocean are encouraged to relocate farther landward. We encourage pursuit of this alternative.

Beach Renourishment: It is South Carolina’s policy to promote carefully planned renourishment as a means of beach preservation and restoration, where economically feasible. We encourage careful consideration of this alternative.

Groin Lengthening or new Groin Construction: It is generally understood that improperly designed or constructed groins can have an adverse impact on adjacent beaches. In this regard, groins may only be constructed after a thorough analysis demonstrates that the groin will not cause a detrimental effect on adjacent or downdrift areas. South Carolina only allows new groins to be constructed on beaches that have high erosion rates with erosion threatening existing development or public parks. In addition, new groins may be constructed and existing groins may be reconstructed only in furtherance of an on-going beach renourishment effort that includes initial beach renourishment concurrent with groin construction and periodic beach renourishment for the life of the groins. The responsible party must provide a financially binding commitment, such as a performance bond or letter of credit that is reasonably estimated to cover the cost of reconstructing or removing the groin and/or restoring the affected beach through renourishment if the groin causes an adverse impact on adjacent beaches.

Offshore Breakwaters: South Carolina has limited experience with offshore breakwaters in an open ocean environment. Since breakwaters can also interfere with the natural transport of sediment, they can only be constructed after a thorough analysis of the project demonstrates that there will be no negative effect on adjacent beaches.
Sand Fencing and Grassing: These passive dune stabilization measures are generally encouraged, provided they are not installed in a manner that will interfere with sea turtle nesting. However, it should be recognized that sand fencing and dune vegetation will not stop beach erosion, and should only be used on erosional beaches in conjunction with other beach restoration alternatives.

As you may be aware, SCDHEC-OCRM has sponsored a beach profile data collection program for the past 20 years that includes Edisto Beach. All beach profile data is available on the internet under the Online Profile Management option at http://gis.coastal.edu. We also have a fairly extensive collection of hardcopy shoreline assessment studies and post-renourishment monitoring reports for Edisto Beach that are available for your review at our office.

We would also appreciate receiving a time schedule for this study. Please contact me at 843-953-0237 if you have any questions.

Sincerely,

[Signature]

William C. Eiser
Project Manager

cc: Carolyn R. Boltin
Barbara Neale
Blair Williams
Thank you for the attached letter concerning the implementation of a nourishment project/study on Edisto Beach (both the Town and state park). Please accept my comments on this project as requested by your letter. Best management practices as stated in the Beachfront Management Act and SCDHEC OCRM Critical Area Permit Regulations, and as recommended by the SCDNR are as follows:

1. Beach nourishment should occur from November through April, which is outside of the sea turtle nesting season.

2. A hopper dredge in South Carolina state waters should be used from December through March when sea turtles are not present.

Thank you and please let me know if you have any questions,

DuBose

Ms. DuBose Griffin, SC Sea Turtle Coordinator
South Carolina Marine Turtle Conservation Program
griffind@dnr.sc.gov <mailto:griffind@dnr.sc.gov>

Voice: (843) 953-9016
Cell: (843) 870-3667
Fax: (843) 953-9353

SC Department of Natural Resources
Wildlife and Freshwater Fisheries Division
Post Office Box 12559
217 Fort Johnson Road
Charleston, SC 29422 USA
Directions: www.dnr.sc.gov/boating/offices.html#charles
<http://www.dnr.sc.gov/boating/offices.html#charles>

cid:image002.jpg@01C8BBEB.29CCB790

small Light Bumper sticker.jpg
Elizabeth,

Long time but good day and how are you doing? Thank you for giving us a chance to comment. Vitex, the common invasive specie creeping it’s way along the coast is truly my main concern in regard to beach nourishment. We need to rid our coast of this nightmare. Introduced as an ornamental, beach property owners thought vitex was beautiful and what they needed to stabilize the loose ground around their houses. NOT!! In completing this study, a professional who can identify any hotspots along Edisto's coast needs to assist in this study. Once identified, the rascal (Vitex) needs to be zapped. It will take over if left unchecked. Once all areas are clear, then coastal natives can be established. Got to go. Good day! -fred

Fredric K. Tritapoe--NRCS
District Conservationist
531 Robertson Blvd.-Suite B
Walterboro, S.C. 29488
(843)549-1821
9 September 2008

Charleston District
Corps of Engineers
69 A Hagood Avenue
Charleston, South Carolina 29405

THPO #     P/N     Project Description
2008-1-235

Letter from Planning Branch / Town of Edisto Re. feasibility study to examine alternatives for reduction of hurricane and storm damages. Also evaluating potential for environmental benefits associated with providing protection of the beach, maritime forest and marsh habitats, Edisto Beach State Park area

Dear Mr. Jones,

The Catawba have no concerns at this time with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. However, the Catawba are to be contacted when and if a borrow pit or other actual ground disturbance occurs, regardless of which plan is chosen.

If you have questions, please contact Sandra Reinhardt at 803-328-2427 ext. 233, or email sandrar@ccppcrafts.com.

Sincerely,

Sandra Reinhardt for

Wenonah G. Haire
Tribal Historic Preservation Officer
Mr. Mark J. Messersmith  
Biologist  
U.S. Army Corps of Engineers - SAW@SAC  
69A Hagood Avenue  
Charleston, SC 29403-5107

Re: Edisto Beach Shore Protection Feasibility Study Area

Dear Mr. Messersmith:

This letter is in response to your January 6, 2010, email to Craig Aubrey of the U.S. Fish and Wildlife Service (Service) in which you asked the Service to ascertain if the proposed borrow site for the above-referenced project is located within the John H. Chafee Coastal Barrier Resources System (CBRS). After reviewing your email and the official maps for the CBRS, we have determined that the proposed borrow site is not located in the CBRS. Should you have any questions, please call Mr. Aubrey of my staff at (843) 727-4707 ext. 301.

Sincerely,

[Signature]
Diane L. Lynch  
Acting Field Supervisor

DLL/CWA
June 4, 2010

Planning and Environmental Branch

Ms. Caroline Wilson
Review and Compliance Coordinator
SC Department of Archives and History
8301 Parklane Rd.
Columbia, SC 29223

Dear Ms. Wilson,

The US Army Corps of Engineers is working with the Town of Edisto on a feasibility study to examine alternatives for the reduction of hurricane and storm damages. In addition, we are also evaluating the potential for environmental benefits associated with providing protection of the beach, maritime forest and unique marsh habitats that exist along the Edisto Beach State Park area.

We would like to initiate consultation for Section 7 of the National Historic Preservation Act. We are in the planning phase for this project and just want to ensure that we include your office early on. Enclosed are the initial documents required by your office except for the existing and proposed site drawings. This will be supplied as we finalize the scope of the project. Please let us know if your office has any materials and/or data that would be applicable to this project. If you have any questions please contact Mark Messersmith at 843-329-8162, by phone or email him at mark.j.messersmith@usace.army.mil.

Respectfully,

Patrick E. O’Donnell
Chief, Planning and Environmental Branch

Encls.
USGS topographic map
Map of Area of Potential Effects
ArchSite search
Photographs
July 1, 2010

Mark J. Messersmith
Department of the Army
Charleston District, Corps of Engineers
69A Hagood Avenue
Charleston, SC 29403-5107

Re: Edisto Beach Renourishment, Edisto Beach, Colleton County, SC
SHPO #: 10CW0381

Dear Mr Messersmith:

Thank you for the letter of June 4, which we received on June 7, regarding the above referenced project. We also received photos as supporting documentation for this undertaking. The State Historic Preservation Office is providing comments to the Army Corps of Engineers pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR 800.

After consultation with the South Carolina Institute of Archaeology and Anthropology, we believe that there is potential for underwater archaeology at the proposed borrow site. We will require an underwater archaeological survey of the borrow site before we can concur with an assessment of effect.

If you have any questions, please contact me at (803) 896-6169 or cwilson@scdah.state.sc.us.

Sincerely,

[Signature]

Caroline Dover Wilson
Review and Compliance Coordinator
State Historic Preservation Office
12 April 2013

Alisha N. Means  
Biologist  
Planning & Environmental Branch  
US Army Corps of Engineers-Charleston District  
69A Hagood Avenue  
Charleston SC 29403-5107

Re: Review of Edisto Beach Renourishment Project report.

Dear Ms. Means,

Our office has reviewed the draft report of the *Hardbottom and Cultural Resource Surveys, Edisto Beach Offshore Borrow Site, Edisto Beach, South Carolina*, prepared by Dial Cordy and Associates, Inc. for the Edisto Beach hurricane and storm damage protection project. Our review is focused on the submerged cultural resources aspects of the project. The report is a solid discussion of the scope, methods, research, and findings, especially in its awareness of inundated paleolandsapes bearing the potential of prehistoric cultural materials along the South Carolina coast.

We concur with the contractor’s recommendations to place a 1,500 ft. buffer zone around the two arbitrary center points: Site 1—E2213373, N232446; and Site 2--E2218203, N227338 (NAD83 South Carolina State Plane East U.S. Survey Feet) as potential paleolandscape features. We also agree that no additional inspections of the magnetic, acoustic, or sub-bottom reflectors is warranted in the designated borrow site. We do, however, request that any inadvertent discovery of potential archaeological materials, i.e., wood structure, prehistoric lithics, ceramics, etc. during dredging operations cease from that area until inspections may reveal the source of this material. Please contact my office or the SHPO for further guidance in this instance. Our office has no objections from a submerged cultural resources viewpoint for dredging operations to occur in this borrow site. If plans change, please consult with our office for additional guidance.

We do though offer several editorial comments to improve the graphics for the final report:

1. Fig. 34, p. 47—please choose a color scheme to more fully reveal the trackline points, as well as to bring out the contours.
2. The above recommendation would also go for the Appendix B contour maps.
3. Please ensure the PDF images are of good quality in 100% zoom.
Thank you for this opportunity to review the report and your support of preserving the submerged archeological legacy in South Carolina waters. If you have any questions, comments, etc. about this matter please contact me.

Sincerely,

James D. Spirek
State Underwater Archaeologist
Maritime Research Division

Cc: Rebekah Dobrasko, SC SHPO
Edisto Beach, South Carolina
Hurricane and Storm Damage Reduction
Feasibility Study - QUESTIONNAIRE

This questionnaire will be used to gain insight on the perceptions and knowledge of hurricane and storm damage reduction techniques on Edisto Beach. Additionally, the questionnaire will determine current conditions and concerns on the Beach. Please complete the questionnaire and return to one of the US Army Corps of Engineers' presenters at the end of the meeting.

Name: [optional]  

Bill ANDREWS

Question 1: Do you live in the Town of Edisto Beach?  
☐ Yes  ☐ No

Question 2: Are you attending this meeting as a:
☐ Government official  ☐ Non-Governmental or a Not-for-Profit Official
☐ Developer or Realtor  ☐ Recreational Visitor  ☑ Resident  ☐ Other

Question 3: Which area(s) of the beach do you visit?  
a. South Edisto River shoreline  b. Atlantic Edisto shoreline  c. State Park  d. All

Question 4: How many days a year do you visit the beach in Edisto Beach or Edisto Beach State Park? 300+

Question 5: Please circle the activities you participate in while at the beach.
- Surfing
- ☑ Sunbathing
- Boating / Kayaking
- Clamming / Fishing
- Scuba Diving / Snorkeling
- Camping
- ☑ Swimming
- ☑ Read / Relax / Study
- ☑ Socialize / Meet People
- ☑ I don't go to the beach
- ☑ Other [please specify]

Question 6: Have you endured structural damages to your home/property due to storm surge events?  
☐ Yes  ☑ No

http://www.sac.usace.army.mil
Question 12: What do you value most about the beach front of Edisto Beach?

THE BEAUTY AND NON-COMMERCIALISM

Question 13: Identify any dislikes about the beach front of Edisto Beach and discuss how it can be improved.

Please share additional comments with us about Edisto Beach.

Thank you. Your concerns and needs are very important to us. Please return the questionnaire to one of the U.S. Army Corps of Engineers' presenters.
Edisto Beach, South Carolina
Hurricane and Storm Damage Reduction
Feasibility Study - QUESTIONNAIRE

This questionnaire will be used to gain insight on the perceptions and knowledge of hurricane and storm damage reduction techniques on Edisto Beach. Additionally, the questionnaire will determine current conditions and concerns on the Beach. Please complete the questionnaire and return to one of the US Army Corps of Engineers' presenters at the end of the meeting.

Name: [optional] Iddy Andrews

Question 1: Do you live in the Town of Edisto Beach? ☑ Yes ☐ No

Question 2: Are you attending this meeting as a:
☐ Government official ☐ Non-Governmental or a Not-for-Profit Official ☐ Media
☐ Developer or Realtor ☐ Recreational Visitor ☑ Resident ☐ Other

Question 3: Which area(s) of the beach do you visit?
a. South Edisto River shoreline b. Atlantic Edisto shoreline c. State Park □ All

Question 4: How many days a year do you visit the beach in Edisto Beach or Edisto Beach State Park? 365 weather permitting ☺

Question 5: Please circle the activities you participate in while at the beach.
- ☑ Surfing
- ☑ Sunbathing
- ☑ Boating / Kayaking
- ☑ Clamming / Fishing
- ☑ Scuba Diving / Snorkeling
- ☑ Camping
- ☑ Swimming
- ☑ Read / Relax/ Study
- ☑ Socialize / Meet People
- ☐ I don’t go to the beach
- ☐ Other [please specify]

Question 6: Have you endured structural damages to your home/property due to storm surge events? ☐ Yes ☑ No
Question 12: What do you value most about the beach front of Edisto Beach?  
The natural beauty + lack of development

Question 13: Identify any dislikes about the beach front of Edisto Beach and discuss how it can be improved. 
People who litter or destroy vegetation

Please share additional comments with us about Edisto Beach. 
We love Edisto!

Thank you. Your concerns and needs are very important to us. Please return the questionnaire to one of the U.S. Army Corps of Engineers' presenters.
Edisto Beach, South Carolina
Hurricane and Storm Damage Reduction
Feasibility Study - QUESTIONNAIRE

This questionnaire will be used to gain insight on the perceptions and knowledge of hurricane and storm damage reduction techniques on Edisto Beach. Additionally, the questionnaire will determine current conditions and concerns on the Beach. Please complete the questionnaire and return to one of the US Army Corps of Engineers' presenters at the end of the meeting.

Name: [optional] ____________________________________________

Question 1: Do you live in the Town of Edisto Beach? □ Yes □ No

Question 2: Are you attending this meeting as a:
□ Government official □ Non-Governmental or a Not-for-Profit Official □ Media
□ Developer or Realtor □ Recreational Visitor □ Resident □ Other

Question 3: Which area(s) of the beach do you visit? □
   a. South Edisto River shoreline  b. Atlantic Edisto shoreline  c. State Park  d. All

Question 4: How many days a year do you visit the beach in Edisto Beach or Edisto Beach State Park? □ At least 3 times a week

Question 5: Please circle the activities you participate in while at the beach.
   • Surfing
   • Sunbathing
   • Boating / Kayaking
   • Clamming / Fishing
   • Scuba Diving / Snorkeling
   • Camping
   • Swimming
   • Read / Relax / Study
   • Socialize / Meet People
   • I don't go to the beach
   • Other [please specify]

Question 6: Have you endured structural damages to your home/property due to storm surge events? □ Yes □ No

http://www.sac.usace.army.mil
Question 12: What do you value most about the beach front of Edisto Beach? Sand

Question 13: Identify any dislikes about the beach front of Edisto Beach and discuss how it can be improved.

Please share additional comments with us about Edisto Beach.

Thank you. Your concerns and needs are very important to us. Please return the questionnaire to one of the U.S. Army Corps of Engineers' presenters.
Edisto Beach, South Carolina
Hurricane and Storm Damage Reduction
Feasibility Study - QUESTIONNAIRE

This questionnaire will be used to gain insight on the perceptions and knowledge of hurricane and storm damage reduction techniques on Edisto Beach. Additionally, the questionnaire will determine current conditions and concerns on the Beach. Please complete the questionnaire and return to one of the US Army Corps of Engineers' presenters at the end of the meeting.

Name: [optional] ____________________________

Question 1: Do you live in the Town of Edisto Beach? □ Yes □ No

Question 2: Are you attending this meeting as a:
□ Government official □ Non-Governmental or a Not-for-Profit Official □ Media
□ Developer or Realtor □ Recreational Visitor □ Resident □ Other

Question 3: Which area(s) of the beach do you visit?
a. South Edisto River shoreline  b. Atlantic Edisto shoreline  c. State Park  d. All

Question 4: How many days a year do you visit the beach in Edisto Beach or Edisto Beach State Park? ____________

Question 5: Please circle the activities you participate in while at the beach.

- Surfing
- Sunbathing
- Boating / Kayaking
- Clamming / Fishing
- Scuba Diving / Snorkeling
- Camping
- Swimming
- Read / Relax / Study
- Socialize / Meet People
- I don’t go to the beach
- Other [please specify]

Question 6: Have you endured structural damages to your home/property due to storm surge events? □ Yes □ No

http://www.sac.usace.army.mil
Question 12: What do you value most about the beach front of Edisto Beach?

________________________________________________________________________

________________________________________________________________________

Question 13: Identify any dislikes about the beach front of Edisto Beach and discuss how it can be improved.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Please share additional comments with us about Edisto Beach.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Thank you. Your concerns and needs are very important to us. Please return the questionnaire to one of the U.S. Army Corps of Engineers' presenters.

http://www.sac.usace.army.mil
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Email Address</th>
<th>Contact Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Larry Hutto</td>
<td>2400-721 Main St.</td>
<td>ed@<a href="mailto:larryhutto@comcast.net">larryhutto@comcast.net</a></td>
<td>843-849-9934</td>
</tr>
<tr>
<td>Jermine Rhodes</td>
<td>301 N. Main St.</td>
<td>jrhodes@<a href="mailto:larryhutto@comcast.net">larryhutto@comcast.net</a></td>
<td>843-849-3778</td>
</tr>
<tr>
<td>Peter burner</td>
<td>110 W. Main St.</td>
<td><a href="mailto:peter.burner@larryhutto.com">peter.burner@larryhutto.com</a></td>
<td>843-241-5911</td>
</tr>
<tr>
<td>Tommy &amp; Dale Mann</td>
<td>205 Myrtle St.</td>
<td><a href="mailto:tommyd@larryhutto.com">tommyd@larryhutto.com</a></td>
<td>843-241-5911</td>
</tr>
<tr>
<td>Edith Back</td>
<td>214 Myrtle St.</td>
<td><a href="mailto:edith@larryhutto.com">edith@larryhutto.com</a></td>
<td>843-241-5911</td>
</tr>
<tr>
<td>Kevin Wilson</td>
<td>103 E. Main St.</td>
<td><a href="mailto:kevin@larryhutto.com">kevin@larryhutto.com</a></td>
<td>843-241-5911</td>
</tr>
</tbody>
</table>

*Note: The table is a contact list for the Edisto Yacht Club.*
<table>
<thead>
<tr>
<th>NAME</th>
<th>AGENCY/ASSOC.</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian Williams</td>
<td>U.S. Army Corps of Engineers</td>
<td>843-329-8153</td>
</tr>
<tr>
<td>Mark Caldwell</td>
<td>US FWS</td>
<td>843 721 4209 x 2105</td>
</tr>
<tr>
<td>Susan Davis</td>
<td>SLONR</td>
<td>843 953-9003</td>
</tr>
<tr>
<td>Tommy May</td>
<td>Edisto Beach Council</td>
<td>843/869-5251</td>
</tr>
<tr>
<td>Bill Eisner</td>
<td>DHEC-OCRM</td>
<td>843 953 0237</td>
</tr>
<tr>
<td>Matt Slagel</td>
<td>DHEC-OCRM</td>
<td>843 953-2033</td>
</tr>
<tr>
<td>Fred Melton</td>
<td>DNR-OCRM</td>
<td>843-953-0236</td>
</tr>
<tr>
<td>Steven Traynor</td>
<td>CSE</td>
<td>803-749-8949</td>
</tr>
<tr>
<td>William Sattens</td>
<td>DHEC-OCRM</td>
<td>843-953-0258</td>
</tr>
<tr>
<td>David Simms</td>
<td>SCPRT-SPS</td>
<td>803-734-0258</td>
</tr>
<tr>
<td>Pace Wilber</td>
<td>NOAA Fisheries</td>
<td>843-953-7200</td>
</tr>
<tr>
<td>Derek Bergquist</td>
<td>SCDNR</td>
<td>843 953-9074</td>
</tr>
<tr>
<td>Bob Martore</td>
<td>SCDNR</td>
<td>843 953-9303</td>
</tr>
<tr>
<td>Barbara Neace</td>
<td>SCDNR</td>
<td>V43-953-0245</td>
</tr>
<tr>
<td>Iris Hill</td>
<td>Town of Edisto Beach</td>
<td>843 869 2505 x 2111</td>
</tr>
<tr>
<td>Patrick Brown</td>
<td>Town of Edisto Beach</td>
<td>843 869-2505</td>
</tr>
<tr>
<td>Susan Hornsby</td>
<td>Town of Edisto Beach</td>
<td>843-869-3135</td>
</tr>
<tr>
<td>Larry Hutto</td>
<td>Town of Edisto Beach</td>
<td>843-869-4013</td>
</tr>
<tr>
<td>Pat O'Donnell</td>
<td>USACE</td>
<td>843-329-8050</td>
</tr>
<tr>
<td>Mark Messersmith</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Keely O'Monville</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renourishment</td>
<td>New Groins</td>
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<tr>
<td><strong>Pros</strong></td>
<td><strong>Cons</strong></td>
<td><strong>Caveats</strong></td>
</tr>
<tr>
<td>Discussion during meeting on January 20, 2010</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town - beach in good shape from GROIN 15 and south - GROIN 15 and north is more of a problem - CSE - Grom 1-6 is a hotspot - DNR - borrow site positioning on a shoal on south end is ideal vs. north end - would be a positive benefit for EBSP</td>
<td>Town - migrating sand around the inlet to the mouth of Big Bay Creek</td>
<td>DNR and USFWS - make sure it's done at appropriate times for turtles - suitable materials from borrow site - if construct dunes, plant vegetation - impacts to nesting shorebirds more on north end Dec - March. For turtles - work with DNR to figure something out - trade-offs with hopper vs. pipeline cutterhead dredge - NMFS - guidelines for how much to borrow and the natural filling rate of the borrow site. Will possible causeway project affect creek flows and alter sedimentation? Dark - talk to Bud Bader and David Whittaker at SCDNR Hydrology. Susan Hornsby: rock piles in borrow area are highly used by fisherman. Can South Edisto River accretion be used as sand source for renourishing Atlantic reaches?</td>
</tr>
<tr>
<td>Effective protection - minimal harm to flora/fauna - beneficial to turtle nesting success</td>
<td>Short term - dredging window</td>
<td>Nov-Apr dredging window, compatible sediments, inlets not appropriate for large borrow areas, CBIRA unit</td>
</tr>
<tr>
<td>SCDNR - letter dated 09/08/2008</td>
<td>SCDNR - letter dated 09/08/2008</td>
<td></td>
</tr>
<tr>
<td>Preferred method of shore protection</td>
<td>Use appropriate materials, dredging windows Nov-Apr, only use Hopper from Dec-Mar, avoid mining of sands from active beach areas</td>
<td>Discouraged - not opposed to maintenance of existing groins</td>
</tr>
<tr>
<td>SCDNR - Dubose Griffin - email dated 09/03/2008</td>
<td>SCDNR - Dubose Griffin - email dated 09/03/2008</td>
<td></td>
</tr>
<tr>
<td>Should occur from Nov-Apr (outside of turtle nesting season, Hopper dredge only used from Dec-Mar when sea turtles not present</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCDHEC - OCRM - letter dated 10/14/2008</td>
<td>SCDHEC - OCRM - letter dated 10/14/2008</td>
<td></td>
</tr>
<tr>
<td>A means of beach preservation and restoration</td>
<td>SC policy to promote carefully planned nourishment projects</td>
<td>If improperly designed - they are harmful to adjacent beaches</td>
</tr>
<tr>
<td>NRCS - email dated 08/27/2008</td>
<td>NRCS - email dated 08/27/2008</td>
<td></td>
</tr>
<tr>
<td>Beach vitex - make sure a professional eradicates any of this nuisance species</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pros</td>
<td>Cons</td>
<td>Caveats</td>
</tr>
<tr>
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</tr>
<tr>
<td>CSE - not looking at increasing height. Lengthening would provide some toe protection and stabilize the underwater portion (assume to mean of the beach), create a platform for beach to build on and to create and maintain dunes. OCRM - groins are protecting the houses - without them the first row of houses would not likely be present</td>
<td>CSE - removing/notching would not be recommended</td>
<td>NMFS - removal or notching them would be recommended (NMFS - wants to see the notching of groins modeled - at least pick one option) - CSE - depends on wave climate to determine the position of the fillets - USFWS - need to determine if existing groin is exacerbating the problem and model whether lengthening will cause downdrift impacts</td>
</tr>
<tr>
<td>None</td>
<td>Potential to cause more impacts to fish and wildlife resources - limited protection benefit - increase erosion downdrift - not aesthetically pleasing - safety hazard</td>
<td>None</td>
</tr>
<tr>
<td>Discouraged</td>
<td>Significant direct impacts to nesting sea turtle females and nesting success - heavy machinery is detrimental - degrades nesting habitat</td>
<td>Use sand fencing and grassing to accomplish this</td>
</tr>
<tr>
<td>Only constructed after thorough analysis demonstrates that the groin will not impact downdrift - only allowed on beach with high erosion rates threatening development or parks - can only be constructed in furtherance of on-going beach renourishment - must have binding commitment to remove if causes</td>
<td>Encouraged</td>
<td>Will not stop beach erosion</td>
</tr>
<tr>
<td>No concerns</td>
<td>No concerns</td>
<td>No concerns</td>
</tr>
<tr>
<td>Offshore Breakwaters</td>
<td>Artificial Reefs</td>
<td>Seawall</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>Pros</strong></td>
<td><strong>Cons</strong></td>
<td><strong>Caveats</strong></td>
</tr>
<tr>
<td>Discussion during meeting on January 20, 2010</td>
<td>Generally regarded as a negative impact to the project</td>
<td>NMFS has supported piles of sand used for reef construction (talk to SAM and SAS - Doug Clark at ERDC) - DNR - at fully pier the reefs caused accretion near the pier (anecdotal) - sand will fill in the holes in the reef balls - economic plus - edisto push for eco tourism. DNR (Martore) - The holes in reef balls are not big enough for a turtle to USFWS - impediments to sea turtles accessing the beach for nesting - navigational problems - DNR - could change the beach profile and cause it to become flatter and extend outward more.</td>
</tr>
<tr>
<td>USFWS - letter dated 09/08/2008</td>
<td>USFWS - letter dated 09/08/2008</td>
<td>None</td>
</tr>
<tr>
<td>SCDNR - letter dated 09/08/2008</td>
<td>SCDNR - letter dated 09/08/2008</td>
<td>None</td>
</tr>
<tr>
<td>SCDNR - Dubose Griffin - email dated 09/03/2008</td>
<td>SCDHEC - OCRM - letter dated 10/14/2008</td>
<td>No concerns</td>
</tr>
<tr>
<td>SCDHEC - OCRM - letter dated 10/14/2008</td>
<td>NRCS - email dated 08/27/2008</td>
<td>No concerns</td>
</tr>
<tr>
<td>NRCS - email dated 08/27/2008</td>
<td>Catawba - letter dated 09/09/2008</td>
<td>No concerns</td>
</tr>
</tbody>
</table>

Artificial Reefs

Pros
Cons
Caveats
Town - shrimpers have 1/2 mile limit from pavilion north to inlet - extends out to 1 mile at the pavilion south - could provide protection to second row houses
OCRM - Regal - unlawful on ocean side of 40 year setback line - Town - town ordinance that says no seawalls
town provision for allowing revetments - OCRM - state does not distinguish (includes bulkheads, revetments, and seawalls)

Seawall

Pros
Cons
Caveats
None
Discouraged

Offshore Breakwaters

Pros
Cons
Caveats
None
Discouraged

Artificial Reefs

Pros
Cons
Caveats
None
Discouraged

Seawall

Pros
Cons
Caveats
None
Discouraged

Offshore Breakwaters

Pros
Cons
Caveats
None
Discouraged

Artificial Reefs

Pros
Cons
Caveats
None
Discouraged

Seawall

Pros
Cons
Caveats
None
Discouraged

Offshore Breakwaters

Pros
Cons
Caveats
None
Discouraged

Artificial Reefs

Pros
Cons
Caveats
None
Discouraged

Seawall

Pros
Cons
Caveats
None
Discouraged
January 20, 2012

Planning and Environmental Branch

Mr. Jay Herrington
U.S. Fish and Wildlife Service
South Carolina Ecological Services
176 Croghan Spur Road - Suite 200
Charleston, SC 29407

Dear Mr. Herrington,

The US Army Corps of Engineers is working with the Town of Edisto on a feasibility study to examine alternatives for the reduction of hurricane and storm damages. Over the last several years we have coordinated with your staff and other agencies to receive input on a variety of possible measures to protect structures and restore habitat along the beach face. As a result of this coordination and the process so far, we are moving forward with evaluating the following measures: beach nourishment, dune vegetation, groin lengthening, submerged artificial reefs, demolition, floodproofing structures, and elevating structures. The end result of our study will be an integrated Feasibility Report / Environmental Assessment that among other items, documents the affected environment and the impacts of the various alternative plans, and will include an assessment of impacts to fish and wildlife resources.

As you know USACE and USFWS have a Memorandum of Agreement for conducting Fish and Wildlife Coordination Act activities. The purpose of this letter is to document our remaining compliance under section 2(a) of the Fish and Wildlife Coordination Act (FWCA) (16 U.S.C §§ 661 et seq.). After discussions with Mark Caldwell, of your staff, we propose that continued coordination and input from your office throughout the remainder of the project, as well as USFWS submission of Planning Aid Letters (PALs) when needed, will suffice it to substitute for a separate and exhaustive Coordination Act Report (CAR). The following specific coordination will take place:

a. The USACE intends to hold another agency meeting this coming spring/summer to present various alternatives to the interagency team and to receive more detailed comments on the potential impacts/benefits.
b. The USACE intends to route the draft Feasibility Study/Environmental Assessment/ Finding of No Significant Impact through a state and federal agency review when ready.
c. The USACE will hold a public meeting prior to release of a final document.
It is anticipated that future PALs would be appropriate to be received after (a) and (b), above. The USACE intends to use any PALs received from your office as input to better the project. Please let us know if you concur with the outlined coordination to comply with the FWCA. If you have any questions, please contact Mark Messersmith at (843) 329 – 8162 or by email at Mark.J.Messersmith@usace.army.mil.

Respectfully,

Patrick O’Donnell
Chief, Planning and Environmental Branch
January 25, 2012

Mt. Patrick O’Donnell  
Chief, Planning and Environmental Branch  
U.S. Army Corps of Engineers  
69A Hagood Avenue  
Charleston, SC 29403-5107

Attn: Mark Messersmith

Re: Town of Edisto Feasibility Study, Colleton County, SC  
FWS Log No. 2012-CPA-0060

Dear Mr. O’Donnell:

The U.S. Fish and Wildlife Service (Service) submits this letter in response to the U.S. Army Corps of Engineers (USACE) request regarding future coordination for the Town of Edisto storm damage reduction feasibility study. You have requested that future coordination under the Fish and Wildlife Coordination Act (FWCA) be fulfilled through ongoing coordination and submission of Planning Aid Letters as the project progresses. In consideration of the project’s characteristics and scope, the USACE believes this will suffice and substitute for a Coordination Act Report and satisfy section 2(a) of the FWCA. The Service concurs that our continued coordination and submission of necessary documentation or assessments will ensure that potential resource concerns will be adequately addressed.

Please note our concurrence does not negate the Service’s or the USACE responsibilities or requirements mandated by other resource laws such as the Endangered Species Act, National Environmental Policy Act, or the Coastal Zone Management Act. We look forward to continued coordination with the USACE toward the development of this project. If you have any questions or need clarification of Service comments, please contact Mr. Mark Caldwell at (843) 727-4707 ext. 215 and reference FWS Log No. 2012-CPA-0060.

Sincerely,

[Signature]

Jay B. Herrington  
Field Supervisor

JBH/MAC
Hi Mark,

If you talk to most botanists in the state (at least the loudly vocal ones), they will say that seabeach amaranth has never been found southwest of Charleston Harbor. Of course that’s wrong, there are herbarium records from Kiawah in the University of Georgia Herbarium. I have not seen, however, any records of plants found naturally below Kiawah.

We did introduce some plants to Seabrook in 03, I think. They did not do well, and I suspect did not export any meaningful number of seeds.

cheers,
-a.

On Thu, 2009-10-29 at 13:32 -0400, Messersmith, Mark J SAW@SAC wrote:
> We are looking into a shore protection project on Edisto Beach. I am looking
> for information documenting the extent of Seabeach Amaranth’s range. It’s not
> listed on the USFWS T&E list for Colleton Co, so I assume it must not quite
> reach down that far south. I remember you gave a talk once on the seed
> dispersal of this plant, and I was curious if you had data or any lit on its’
> range. Also what do you think of the plants’ ability to be introduced on
> Edisto Island? If it’s not found there naturally, are there any adverse
> impacts that could be anticipated from introducing it? Also, if it’s not
> found there, what are the contributing factors to it not germinating on that
> beach (i.e., currents, temperature, grain size, etc.)?
> >
> > Thanks for your time. - Mark
> >
> >
> >
> >
> > Mark J. Messersmith
> > Biologist
> > US Army Corps of Engineers - SAW@SAC
> > (843) 329-8162
> > mark.j.messersmith@usace.army.mil
> >
> >
> > -----Original Message-----
> > From: Allan Strand [mailto:strand@cofc.edu]
> > Sent: Thursday, October 29, 2009 1:25 PM
> > To: Messersmith, Mark J SAW@SAC
> > Subject: Re: Sea beach amaranth
> >
> > Hi Mark,
> >
> > Sad to say, I don't. I might be able to answer some questions though.
> > cheers,
> > Allan
> >
> > On Thu, 2009-10-29 at 13:11 -0400, Messersmith, Mark J SAW@SAC wrote:
Dr. Strand,

I came across the attached draft of a seabeach amaranth survey from 2003. Do you have a final publication on this research that you can send to me?

Thanks -

Mark J. Messersmith
Biologist
US Army Corps of Engineers - SAW@SAC
(843) 329-8162
mark.j.messersmith@usace.army.mil
...and one more comment with some additional input - this time from FL. I still think that it's a good idea to try to combat erosion, but maybe a reef could be constructed with a Turtle Excluder Device (TED) similar to the ones on shrimp nets? Still planning to send you the erosion photos...

Andrea Grabman
Interpretive Program Manager
Edisto Beach State Park
8377 State Cabin Rd.
Edisto Island, SC 29438
Ph: 843.869.4426

Shaping & Sharing a Better South Carolina
At Tax Time, "Check Off" for SC State Parks! <http://www.checkoff4scparks.com>
materials on existing artificial reefs? I’ve conducted a literature search but have found limited information. It may be possible that it is a non-issue?

Any information would be greatly appreciated,

Sincerely,

Edna

_______________________________________

Edna J. Stetzar
Biologist/Environmental Review Coordinator
Natural Heritage and Endangered Species Program
Division of Fish and Wildlife
Delaware Department of Natural Resources and Environmental Control
4876 Hay Point Landing Rd
Smyrna, DE 19977
(302) 653-2880 ext. 101
<mailto:Edna.Stetzar@state.de.us>Edna.Stetzar@state.de.us

To leave the CTURTLE list, send a message to: listserv@LISTS.UFL.EDU with the message: signoff CTURTLE

If you experience difficulty, send an email to: CTURTLE-request@LISTS.UFL.EDU

To leave the CTURTLE list, send a message to: listserv@LISTS.UFL.EDU with the message: signoff CTURTLE

If you experience difficulty, send an email to: CTURTLE-request@LISTS.UFL.EDU
Erosion in action! Attached photos show the extreme overwash from the Hurricane Bill storm tides. First two photos show the overwash on the boardwalk at the ranger station. Normally the steps are exposed. In the second photo, you can really see how far the tide came in! (The main road in the town flooded.) Also attached are photos of the sand fencing that was pulled down by the storm tides. This sand fencing is on the high area of the beach. We normally have this area roped off to keep the public from trampling the primary dune line.

Andrea Grabman
Interpretive Program Manager
Edisto Beach State Park
8377 State Cabin Rd.
Edisto Island, SC  29438

Ph: 843.869.4426

Shaping & Sharing a Better South Carolina
At Tax Time, "Check Off" for SC State Parks!<http://www.checkoff4scparks.com/>
Mark,

Through the ongoing multi-state telemetry study, we've documented 13 Atlantic sturgeon and 2 shortnose sturgeon passing thru the borrow pit area. The Atlantic sturgeon were observed during February-May and again October-November. The shortnose were observed in March.

In addition, through the same telemetry study, there have been 32 Atlantic sturgeon and 4 shortnose sturgeon that more than likely passed through that same area during north/south migrations along the coast. Remember, these are only fish with transmitters that have been detected, there are no doubt others in the vicinity.

Hope this answers your question.

Bill

Bill Post
S.C. Department of Natural Resources
Diadromous Fishes Coordinator
217 Fort Johnson Rd.
Charleston, SC 29412
Office: (843)953-9821
Cell: (843)209-1644
Fax: (843)953-9820

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Thursday, May 02, 2013 10:21 AM
To: Bill Post
Subject: edisto sturgeon counts (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Bill - attached is a map of the project area. The orange box is the proposed borrow site, the red line is the extent of the project. Do you have any numbers and/or literature for sturgeon in this area (both species)?

Thanks - Mark

Mark Messersmith
Planning and Environmental Branch
US Army Corps of Engineers
Charleston District
69A Hagood Ave
Charleston, SC 29403
(p) (843) 329 - 8162
(f) (843) 329 - 2231
mark.j.messersmith@usace.army.mil
Mark,

If you are citing the what's reflected in the text below, yes I'm fine with that.

Bill

Bill Post
S.C. Department of Natural Resources
Diadromous Fishes Coordinator
217 Fort Johnson Rd.
Charleston, SC 29412
Office:  (843)953-9821
Cell:    (843)209-1644
Fax:     (843)953-9820

Thanks Bill. I’d like to use this information in our Biological Assessment, with a “may affect, not likely to adversely affect” determination. Are you comfortable with me citing this via “personal communication”?

Mark
Mark,

Through the ongoing multi-state telemetry study, we've documented 13 Atlantic sturgeon and 2 shortnose sturgeon passing thru the borrow pit area.

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In addition, through the same telemetry study, there have been 32 Atlantic sturgeon and 4 shortnose sturgeon that more than likely passed through that same area during north/south migrations along the coast. Remember, these are only fish with transmitters that have been detected, there are no doubt others in the vicinity.

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(f) (843) 329 - 2231
mark.j.messersmith@usace.army.mil
Mark,

Robert M. Martore  
South Carolina Department of Natural Resources  
Marine Resources Division  
Office of Fisheries Management  
phone (843) 953-9303  
fax (843) 953-9849  
martoreb@dncr.sc.gov

-----Original Message-----
From: Messersmith, Mark J SAW@SAC [mailto:Mark.J.Messersmith@usace.army.mil]  
Sent: Friday, February 05, 2010 2:47 PM  
To: Bob Martore  
Subject: artificial reefs

Mr. Martore - Real quick email (it's Friday afternoon) In your opinion...  
what type of design would be the most ideal for a multi-use reef that we're  
considering? Would some type of rubble stone accomplish the same thing as  
the reef balls?

Thanks - Mark

Mark J. Messersmith  
Biologist  
US Army Corps of Engineers - SAW@SAC  
(843) 329-8162  
mark.j.messersmith@usace.army.mil
From: Craig_Aubrey@fws.gov
To: Messersmith, Mark J SAW@SAC
Subject: RE: Edisto Beach and CBRA zones
Date: Wednesday, January 27, 2010 3:23:33 PM

sorry. The letter is being formatted by the secretary and given to the supervisor for signature. May be signed this afternoon. More likely Thursday.

Craig

-----Original Message-----
From: Craig_Aubrey@fws.gov
Sent: Wednesday, January 27, 2010 2:58 PM
To: Messersmith, Mark J SAW@SAC
Subject: RE: Edisto Beach and CBRA zones

letter is in surnaming.

Craig - I hope I'm not expressing my ignorance here, but what is "surnaming"?

My assumption is that it means that it's being routed internally for signatures, or some other process of formalizing the letter... but maybe it's a typo.
what's your mailing address?
Mark:

: Good speaking with you today. Please keep me posted on this project.

David R. Simms, P.E.
Chief of Engineering and Construction
SC State Park Service
SC Department of Parks, Recreation & Tourism
1205 Pendleton St., Suite 251
Columbia, SC 29201

Phone: (803) 734-0258
Mobile: (803) 360-3938

www.southcarolinaparks.com <http://www.southcarolinaparks.com/>

Visit our website to sign up for our e-newsletter <http://www.southcarolinaparks.com/enewsletter.aspx> and to view our hot deals <http://www.southcarolinaparks.com/hotdealspackages.aspx> on cabins and camping this summer.

For construction project bid information please visit: http://scpntconstructionbids.com <http://scpntconstructionbids.com/>

Disclaimer
The language contained in this email or any attachment thereto does not create an expressed or implied contract between the receiver and the South Carolina Department of Parks, Recreation and Tourism (SCPRT). Promises or assurances whether written or oral which are contrary to or inconsistent with the terms of an existing contract between the receiver and SCPRT do not amend the terms of any existing contract or create a new contract.
Mark,

Just a few comments from us to clarify standards and National Register of Historic Places determinations.

Rebekah

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Tuesday, November 06, 2012 12:53 PM
To: SPIREK, JIM; Dobrasko, Rebekah
Cc: Patrick, Dudley SAC; Walters, Bret L SAC
Subject: Edisto Beach borrow area surveys (UNCLASSIFIED)
Classification: UNCLASSIFIED
Caveats: NONE

Jim and Rebekah - Attached is a draft SOW for cultural and hardbottom resource surveys at the proposed Edisto Beach borrow area to be used for a future Federal project at the Town of Edisto Beach. Please review this draft and let me know if you see any problems with the SOW prior to us submitting it for proposals. If you can provide comments by November 16 we would greatly appreciate it. If there are any known surveys of the borrow area from any past work can you please let us know as well? As always, feel free to call me with any questions.

Thanks - Mark

Mark Messersmith
Planning and Environmental Branch
US Army Corps of Engineers
Charleston District
69A Hagood Ave
Charleston, SC 29403
(p) (843) 329 - 8162
(f) (843) 329 - 2231
mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE
Here is the data. The nests that have unknown dates (00-00-2010) is because we do not know the date it was laid. These are nests that are found at hatching and were originally missed.

DuBose

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Wednesday, September 19, 2012 4:12 PM
To: DuBose Griffin
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE


As for the disorientations. Did you get a chance to look at the town's new beachfront management plan? OCRM completed it for them sometime in the early spring this year. Not sure what it has in there for beach lighting, but that would be a good start. What are some other issues that USACE can address if we move forward with a beach nourishment?

Thanks - Mark

-----Original Message-----
From: DuBose Griffin [mailto:GriffinD@dnr.sc.gov]
Sent: Wednesday, September 19, 2012 3:53 PM
To: Messersmith, Mark J SAC
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Hi Mark,

I am sorry for the delay. I am going to put this data together for you this week! What years do you want exactly? We also need to use any opportunity we have to work with the town to reduce orientations. They were really bad this year.

DuBose

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Monday, August 20, 2012 3:36 PM
To: DuBose Griffin
Subject: Edisto sea turtle nests (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Dubose - hope you've been doing well. I'm preparing for a meeting with our HQ folks on the Edisto Beach Feasibility Study. Could you please send me the sea turtle nesting data from the last few years. I've been on this site, http://www.seaturtle.org/nestdb/?view=2, and it'd be nice to have the spreadsheet or database that the info is pulled from. In 2009 you sent me an xls of the statewide data.
Also, do you have coordinates (GIS data) for the locations of the nests? If so, does it have attributes associated with it? I’d like to see if one particular section of beach results in greater nesting success, false crawls, etc to see if there are any trends. Feel free to call me.

Thanks - Mark

Mark Messersmith  
Planning and Environmental Branch  
US Army Corps of Engineers  
Charleston District  
69A Hagood Ave  
Charleston, SC 29403  
(p) (843) 329 - 8162  
(f) (843) 329 - 2231  
mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED  
Caveats: NONE
Mark,

I think this would be great. I have added Melissa to this email so she can let us know her availability. I will put together the disorientation data from this year for you guys as well. My only hang up is that next week is full. I have October 1 and 5 of the following week.

Melissa - can we meet for coffee with Mark to discuss the Edisto Town beach nourishment.

DuBose

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Thursday, September 20, 2012 6:53 AM
To: DuBose Griffin
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Thanks DuBose. Would you and Melissa be able to meet for coffee one day next week? We could meet at the Starbucks at South Windemere one morning.

Mark

-----Original Message-----
From: DuBose Griffin [mailto:GriffinD@dnr.sc.gov]
Sent: Wednesday, September 19, 2012 4:51 PM
To: Messersmith, Mark J SAC
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Here is the data. The nests that have unknown dates (00-00-2010) is because we do not know the date it was laid. These are nests that are found at hatching and were originally missed.

DuBose

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Wednesday, September 19, 2012 4:12 PM
To: DuBose Griffin
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE


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if we move forward with a beach nourishment?

Thanks - Mark

-----Original Message-----
From: DuBose Griffin [mailto:GriffinD@dnr.sc.gov]
Sent: Wednesday, September 19, 2012 3:53 PM
To: Messersmith, Mark J SAC
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Hi Mark,

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Thanks - Mark

Mark Messersmith
Planning and Environmental Branch
US Army Corps of Engineers
Charleston District
69A Hagood Ave
Charleston, SC 29403
(p) (843) 329 - 8162
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mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE
There are ordinances in place for lighting. It is a matter of getting the town to do a better job bringing property owners' homes into compliance.

DuBose

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Wednesday, September 19, 2012 4:12 PM
To: DuBose Griffin
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)

Classification: UNCLASSIFIED
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mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE
Mark,

This is to confirm that integration of the Edisto Beach renourishment project CAR into the feasibility study/EA is acceptable.

Mark A. Caldwell
U.S. Fish and Wildlife Service
South Carolina Ecological Services
176 Croghan Spur Road - Suite 200
Charleston, SC 29407
843-727-4707 ext. 215
843-727-4218 - facsimile

"Messersmith, Mark J SAC" <Mark.J.Messersmith@usace.army.mil>

Mark - a while ago we spoke about the CAR for Edisto... we talked about it being okay to integrate it into the feasibility study/EA. Just want to confirm that this is still okay with your office?

Thanks - Mark

Ps. Sorry for not having any meetings the last few weeks!
Caveats: NONE
Hi Mark,

I do have PIPL info for SC, but I don’t have anything specific for Edisto. The South Carolina Shorebird Project report is in the process of being finalized. It contains all the SC info from 2006-2008. There are also International Non-breeding Piping Plover Census reports and our latest status review online. I would expect plovers on the State park end if the disturbance is minimal. It may be worth another site visit.

Melissa Bimbi
Endangered Species Biologist
U.S. Fish & Wildlife Service
Ecological Services
176 Croghan Spur Road, Suite 200
Charleston, SC 29407
(843) 727-4707 x 217
(843) 727-4218 Fax

To

<Melissa_Bimbi@fws.gov>

cc

Subject

Piping plovers

Melissa,

Do you have historical/yearly piping plover counts for SC, specifically Edisto Beach?

I’m going to try to attend your talk at the library tomorrow.

Hope you’ve been doing well.
Mark

Mark J. Messersmith
Biologist
US Army Corps of Engineers - SAW@SAC
(843) 329-8162
mark.j.messersmith@usace.army.mil
(See attached file: Stewart and Wyneken 2004.pdf)

Melissa Bimbi
Endangered Species Biologist
U.S. Fish & Wildlife Service
Ecological Services
176 Croghan Spur Road, Suite 200
Charleston, SC 29407
(843) 727-4707 x 217
(843) 727-4218 Fax
Hey Mark! Thanks for sending this info. I'm glad you were able to get it from the DNR. Things are going to be a bit sketchy this week: we are in Orlando for the Council meeting and we are expecting hordes of angry fishermen to show up because of the whole red snapper issue, etc. Yikes!
Take care,
Myra

________________________________
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Mon 6/7/2010 10:14 AM
To: Myra Brouwer
Subject: FW: trawl line data

Myra - We spoke awhile ago about trawling boundaries in SC. I was able to get the attached data from DNR. Just wanted to pass it on to you and your office. Also, check out the following link. Hope you've been doing well.


- Mark

Mark J. Messersmith
Biologist
Planning and Environmental Branch
US Army Corps of Engineers - Charleston District
(843) 329-8162
mark.j.messersmith@usace.army.mil
Hi Mark.

A couple of pints (and I apologize for our web site not making these clear) . . .

For South Carolina waters, there are three federal entities that manage fish: the South Atlantic Fishery Management Council (SAFMC), Mid-Atlantic Fishery Management Council (MAFMC), and NMFS. SAFMC is by far the bigger player, so it is not unusual for people to think they are the only player, but this is not the case.

The species you list are managed by SAFMC, with the exception red drum. It is a long story, but in November 2008, the federal government backed out of managing Atlantic stocks of red drum and deferred all mgmt of this species to the states. As such, the red drum FMP, along with its EFH designations, was repealed. Your list suggests that red drum is in the same FMP as snapper/grouper, which is not the case. Snapper/grouper have their own FMP.

MAFMC manages bluefish and summer flounder north of NC, but the EFH that MAFMC designates for these species extends southward into Georgia (for summer flounder) and central Florida (for bluefish). Essentially MAFMC designates “estuarine waters” as EFH for these species and does not designate any HAPCs. In practice, nothing is lost from an EFH assessment when summer flounder and bluefish are excluded because of the overlap with the designations for SAFMC-managed species, so it is seldom that we get picky when an assessment does not list summer flounder or bluefish. But if you are looking to be complete and a model for others, summer flounder and bluefish should be included.

Separately from the Councils, NMFS manages highly migratory species (~billfish, tunas, and sharks). Info on these species and their EFH can be found at: http://www.nmfs.noaa.gov/sfa/hms/EFH/index.htm

Due to overlaps with SAFMC-managed species, projects limited to state waters and away from inlets often do not omit anything consequential from at EFH assessment if the highly migratory species are left out; but highly migratory species should be included in the assessment.

On to maps . . . . the GIS data available from SAFMC’s website and NMFS’ “EFH Mapper” website should be used very cautiously (to be frank, we usually advise applicants to not use these data for inshore projects—the EFH Mapper website does not go to this extreme, but you may have noticed all the caution icons). The data have scale issues (many small areas of EFH are missing) due to the coarseness of the data and some data layers depict areas in manners that are inconsistent with the text-based EFH designations; and the rule is quite clear that the text-based designations take precedence. I know this mismatch is a source of frustration (it is for us too!!), but it will be with us for some time. If you’d like, I’d be glad to proof any maps you are developing to make sure what is shown is consistent with how we comment on EFH in SC.
Messersmith, Mark J SAC wrote:
> Hi Pace -
> 
> Hope you enjoyed your Memorial Day weekend. Just wanted to inform you that
> I'm working on an EFH for the Edisto Beach project that you're familiar with.
> We're still exploring nourishment, groin modification, and artificial reefs
> as potential measures for protecting the beach. I have pulled a bunch of info
> from the NMFS website on EFH and want to make sure that I include everything
> that I should. I have pdfs of the following:
> 
> - coastal migratory pelagic EFH FMP
> - dolphin wahoo FMP
> - other inverts, corals, live bottom EFH
> - Penaeid shrimp EFH
> - red drum, snapper-grouper EFH
> - south atlantic golden crab habitat plan
> 
> I believe that is all that came up for SC. Am I missing anything? Do you have
> a list of species particular to coastal SC that I should focus on? I also
> pulled all the GIS layers to make some nice maps.
> 
> Thanks, and hope you've been doing well. - Mark
> 
> Mark J. Messersmith
> Biologist
> Planning and Environmental Branch
> US Army Corps of Engineers - Charleston District
> (843) 329-8162
> mark.j.messersmith@usace.army.mil
> 
> --

---------------------------

Pace Wilber, Ph.D.
Atlantic Branch Chief, Charleston (F/SER47)
Southeast Regional Office, NOAA Fisheries
PO Box 12559
Charleston, SC 29422-2559

Street address:
219 Ft Johnson Road
Charleston, SC 29412

843-953-7200
FAX 843-953-7205
pace.wilber@noaa.gov

http://sero.nmfs.noaa.gov/hcd/hcd.htm
Hello Mark and Patrick,

I will discuss the meeting with Pace Wilbur in our office, and one of us will plan to attend the meeting on January 20. Thank you for keeping us informed of the project.

Best Regards
Prescott Brownell
843-953-7204

----- Original Message ----- 
From: "Messersmith, Mark J SAW@SAC" <Mark.J.Messersmith@usace.army.mil>
Date: Monday, December 21, 2009 8:59 am
Subject: Edisto Beach storm damage reduction meeting
To: "smtp-Brownell, Prescott" <Prescott.Brownell@noaa.gov>
Cc: "O'Donnell, Patrick E SAC" <Patrick.E.ODonnell@usace.army.mil>

> Mr. Brownell,
> 
> Hope you've been doing well. As you know, the US Army Corps of Engineers is working with the Town of Edisto on a feasibility study to examine alternatives for the reduction of hurricane and storm damages. In addition, we are evaluating the potential for environmental benefits associated with providing protection of the beach, maritime forest and marsh habitat that exists along the Edisto Beach State Park area. We spoke awhile ago about involving your agency and others in the planning process for this study. On Wednesday, January 20 from 0900 - 1100 we would like you to join us at our office to discuss the project. During this meeting we will present the various project reaches that we have defined. We will also discuss the pros and cons of various measures to address the erosion problem along Edisto Beach. Such measures may include: no action, renourishment (varying beach profiles), fencing and grassing, groin construction, existing groin modification, multi-purpose reefs, and structure relocation. Your participation in this meeting would be very much appreciated. If you have an opinion one way or the other regarding these measures, please try to provide some evidence in support of your opinion. Thanks for your involvement in this process. Please let me know whether or not you will be attending.
> 
> What: Edisto Storm Damage Feasibility Study Alternative Formulation Meeting
> Date: January 20, 2010 (Wednesday)
> Time: 0900 - 1100
> Location: US Army Corps of Engineers, 69A Hagood Ave, Charleston, SC
Respectfully,

Mark J. Messersmith
Biologist
US Army Corps of Engineers - SAW@SAC
(843) 329-8162
mark.j.messersmith@usace.army.mil
Mark

As you had mentioned it has been a while. Can you please remind me the exact content/project of the meeting?

Thanks,

Ray T. Stevens
Regional Chief, Coastal Region
SC Department of Parks Recreation and Tourism
2555 Sea Island Parkway
Hunting Island, South Carolina 29920

Phone (843) 838-4868
Mobile (843) 441-2542
IP Phone 6864
rstevens@scprt.com

Description: Description: SPSlogo

-----Original Message-----
From: Messersmith, Mark J SAC [mailto:Mark.J.Messersmith@usace.army.mil]
Sent: Tuesday, June 12, 2012 1:40 PM
To: Collins.Garyw@epa.gov; Jaclyn Daly; Susan Davis; Andrea J Grabman; MartoreB@dnr.sc.gov; Ray Stevens; Susan Spell; ihill@townofedistobeach.com; Mark_Caldwell@fws.gov
Cc: Gravens, Mark B ERDC-CHL-MS; Williams, Brian P SAC; McGuire, Julie W SAM; Lackey, Ben SAW; Fersner, Jeffery W SAC; Lin, Jeffrey P SAW; O'Donnell, Patrick E SAC
Subject: Edisto Agency Meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
All - I only heard back from 2 people on their availability for this meeting. Rather than having a small meeting, I’d like to open up availability to more dates. Please use the "Doodle" link to add your availability by June 22. Thanks.

http://www.doodle.com/meb3bmsarr8ubsa

Mark

Here is my last email and rough meeting information:

It’s been a while since we’ve last been in contact as a group on this project. We are currently close to holding our “Feasibility Scoping Meeting” with our Division and HQ offices. This process will result in the approval of the without project condition and our “measures” to carry forward to the next stage. We’d like to have another meeting with you all to discuss these components and gain your input. SCPRT indicated a while back that they were not in a position to cost share on the project, but I think it’d be valuable for them to stay engaged. An agenda will be forthcoming. By COB Friday, May 18, please send me the dates of your availability for a 2-3 hour meeting in mid to late June at the Charleston District Office. Telecon and webinar can be arranged if needed.

Mark Messersmith
Planning and Environmental Branch
US Army Corps of Engineers
Charleston District
69A Hagood Ave
Charleston, SC 29403
(p) (843) 329 - 8162
(f) (843) 329 - 2231
Classification: UNCLASSIFIED

Caveats: NONE
Iris,

Susan forwarded your email on the feasibility study and your request for the State to consider funding the remaining amount of $281,000. We did discuss and consider the request however at this time the State Park Service is unable to contribute funding to the feasibility study. Hopefully at a later date economic times and budgets will allow us to partner with the town if and when a plan is implemented. If we can be of assistance with providing information from our end or answering questions during the planning process we will be happy to do so.

Respectfully,

Ray T. Stevens
Regional Chief, Coastal Region
SC Department of Parks Recreation and Tourism
2555 Sea Island Parkway
Hunting Island, South Carolina 29920

Phone (843) 838-4868
Mobile (843) 441-2542
IP Phone 6864
rstevens@scprt.com

www.southcarolinaparks.com

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From: Iris Hill [edistohill@bellsouth.net]
Sent: Wednesday, January 06, 2010 11:46 AM
To: Susan Spell
Subject: ACOE Feasibility

Susan:

The Town has already paid the ACOE $594,000 with $281,000 remaining. We request that the State consider funding this remaining amount.

(excerpt below from Patrick O'Donnell ACOE)

Right now, we’re looking at several alternatives- beach renourishment, groin modifications, and artificial reefs. We'll look at each as a stand-alone and see what it could do to reduce storm damage, and we'll look at them in combination. For the different reaches, we're looking at (1) the state park as one reach; (2) about one mile of your beach from the beginning of Palmetto Blvd. southward as another reach; (3) the rest of the Atlantic coast as a third reach; and (4) the Edisto River side of town as the fourth reach. We will look at the costs and benefits of doing a project at each reach, and then combined- all reaches, the three reaches along the Atlantic, just the two reaches in the Town of Edisto.

We'll end up with a lot of different options.

We also want to know if there is any other agency that would like to help pay for the cost of the study, design, and construction. We're thinking that it might be possible to have state parks, DNR, or some other state agency help pay for a project if it has a good habitat value by creating artificial reefs. If the reefs also reduce storm surges to Edisto, we could have a project that helps in more than one way.

FYI. CSE (Dr. Kana) is coming to Edisto on Feb 12 to present their 3rd year beach monitoring report post renourishment. Please come if you can. Meeting starts at 10:00 am.

Iris Hill
Town Administrator
Town of Edisto Beach
2414 Murray Street
Edisto Beach, South Carolina  29438

(P) 843 869 2505

(f) 843 869 3855

email edistohill@bellsouth.net
Mark

If you need past year please let me know.

Shannon

Shannon Berry
Program Coordinator
Beach Monitoring
803-898-3541

Each day I'll do a golden deed.
Mark,

Please find below our comments regarding the SOW for the Edisto Beach borrow area survey project. We also concur with the SHPOs comments to provide SCIAA with copies of the draft/final reports.

1--In reference to the side scan sonar--we recommend that this instrument is operated concurrently with the magnetometer, which is the primary cultural resources survey instrument, at the 20m lane spacing for efficiency sakes.

2--In the General Requirements section the graphically illustrated letter report with preliminary findings should also include a magnetic contour map along with the sonar mosaic--also mag/acoustic anomalies should be cross-referenced to each other if applicable. Any potential cultural resources should also be identified for potential historical/archaeological significance. This is mentioned in the Cultural Resources Analysis section but should be referenced in the Gen. Reg. section as well.

3--Recommendations: While a meeting prior to implementation of Phase 2 is appropriate, this meeting should only occur after all appropriate materials have been produced by the Contractor consisting of the graphic report as well as historical/archaeological information in order to more fully discuss/understand the findings--i.e., magnetic/acoustic anomalies in connection to historic record. Would preferably occur after the Rough draft has been submitted for reviewed by the SHPO/SCIAA.

4--A deliverable in the report should include a magnetic contour map.

5--In the accompanying figure, assume Appendix A mentioned in the SOW--I see the refined borrow area (RBA) but the .25 mi buffer zone does not extend all around the RBA? Why not?

If you have any questions, etc. about our comments please contact me. Thanks for your efforts in protecting submerged cultural resources in South Carolina waters.

Sincerely,

Jim

James D. Spirek
State Underwater Archaeologist
Maritime Research Division
South Carolina Institute of Archaeology and Anthropology
University of South Carolina
1321 Pendleton Street
Columbia, SC 29208 USA
Office phone: (803) 576-6566
Fax: (803) 254-1338
E-mail: spirek@sc.edu
SCIAA Web Site: http://www.cas.sc.edu/sciaa/
Maritime Research Division Website: http://www.cas.sc.edu/sciaa/mrd/mrd_index.html
Mark,

Thanks for the update. I have in contact with the contractors about arranging a visit to the SC Archaeological Site Files and gathering some reports of interest.

Jim Spirek
SCIAA
Dear Alisha,

Please find attached a PDF of our response letter to the above re: project report. We agree with the contractors recommendations, offer a few editorial comments, and find no objections to dredging in the proposed borrow site. If you have any questions, comments, etc. please do not hesitate to contact me.

Sincerely,

Jim

James D. Spirek
State Underwater Archaeologist
Maritime Research Division
South Carolina Institute of Archaeology and Anthropology
University of South Carolina
1321 Pendleton Street
Columbia SC 29208 USA
Office phone: (803) 576-6566
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E-mail: spirek@sc.edu <mailto:amerc@sc.edu>
SCIAA Web Site: http://www.cas.sc.edu/sciaa/ <http://www.cas.sc.edu/sciaa/>
Maritime Research Division Website: http://www.cas.sc.edu/sciaa/mrd/mrd_index.html <http://www.cas.sc.edu/sciaa/mrd/mrd_index.html>
Mr. Messersmith,

As I mentioned in my earlier email, I have forwarded the emails to our engineer, David Simms but I wanted to go ahead and give you his contact number (803-270-0258).

Susan

Susan Spell
Manager, Edisto Beach State Park
SC Department of Parks, Recreation & Tourism
8377 State Cabin Road
Edisto Beach, SC 29438
Phone: (843) 869-4425

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Sorry to belabor the point, but since we are having a public meeting on this project next Thursday, Oct. 29 at 7pm at the Edisto Beach Civic Center, I wanted to let you know about it in case you wanted to attend. Ideally, I would like to discuss this project with someone from PRT beforehand. I just started working on this project, but I’m not sure if we’ve gotten any feedback from PRT regarding our letter we sent last summer. Please let me know who I should talk to in Columbia, or feel free to call me at the number below. Thanks.

Respectfully,

Mark J. Messersmith
Biologist
US Army Corps of Engineers - SAW@SAC
(843) 329-8162
mark.j.messersmith@usace.army.mil

-----Original Message-----
From: Messersmith, Mark J SAW@SAC
Sent: Thursday, October 15, 2009 10:01 AM
To: ‘Susan Spell (sspell@scprt.com)’
Cc: Shirey, Alan D SAW@SAC
Subject: Edisto Beach Shore Protection Project

Ms. Spell,

This email is in response to our recent phone conversation...

I was hoping to speak to someone from SCPRT regarding a feasibility study that the US Army Corps of Engineers is undertaking with the Town of Edisto Beach and Colleton County as the sponsors. For this project we would like to coordinate with PRT to see if there are any options we can explore to help: (1) ease the erosion problems, (2) create more and higher quality habitat for various species, (3) protect the salt marsh on the north end of the island on the beach side of the State Park, and (4) increase recreational opportunities as an incidental benefit of the project. Please let me know who would be the most appropriate person for me to talk to regarding this effort. Thank you.

Respectfully,

Mark J. Messersmith
Biologist
US Army Corps of Engineers - SAW@SAC
(843) 329-8162
mark.j.messersmith@usace.army.mil
Mr. Messersmith,

I’m afraid I will not be able to attend. I am out of town on some personal business.

Susan

Susan D Spell
Manager,
Edisto Beach State Park
8377 State Cabin Road
Edisto Island, SC 29438
Office 843-869-4425
Fax 843-869-4428
www.southcarolinaparks.com
Mark,

I feel certain our position on this is the same. There is not money in the budget for this.

On the subject of Andrea, I don’t really know where she went. I heard she was married recently. I’m assuming she will be staying in the Charleston area but I don’t know that.

Sorry,

Susan

Susan D Spell
Manager,
Edisto Beach State Park
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www.southcarolinaparks.com

-----Original Message-----
From: Susan Spell [mailto:sspell@scprt.com]
Sent: Wednesday, July 18, 2012 2:17 PM
To: Messersmith, Mark J SAC
Cc: Ray Stevens
Subject: RE: Edisto meeting (UNCLASSIFIED)

Mark,

Okay, a while ago your agency mentioned that there was no money in the budget to cost share a nourishment on your beach. Is this still the case? I’m fighting hard to keep yall in the mix.

My family and I were camping there last weekend and I noticed some substantial dunes at the RV area, but heading north to Jeremy inlet was still looking rough. What are your thoughts? Lastly, I heard that Andrea has left PRT. She was a good interpreter. Where is she working now? (I went to grad school with her).

Thanks - mark
Mr. Messersmith,

I’m afraid will not be able to attend. I am out of town on some personal business.

Susan

Susan D Spell
Manager,
Edisto Beach State Park
8377 State Cabin Road
Edisto Island, SC 29438
Office 843-869-4425
Fax 843-869-4428
www.southcarolinaparks.com

From: Messersmith, Mark J SAC [Mark.J.Messersmith@usace.army.mil]
Sent: Wednesday, July 18, 2012 2:08 PM
To: Susan Spell
Subject: Edisto meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Ms. Spell - Will you be able to attend tomorrow's USACE meeting on the Edisto Beach Storm Damage Reduction study?

Thanks - Mark

Mark Messersmith
Planning and Environmental Branch
US Army Corps of Engineers
Charleston District
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(p) (843) 329 - 8162
(f) (843) 329 - 2231
mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE