

EDISTO BEACH
COASTAL STORM DAMAGE REDUCTION
GENERAL INVESTIGATION STUDY

APPENDIX I
CORRESPONDENCE

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DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403-5107

REPLY TO
ATTENTION OF

August 15, 2008

Planning Branch
Environmental Section

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.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
176 Croghan Spur Road, Suite 200
Charleston, South Carolina 29407

September 11, 2008

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

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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 seaturtle, *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,

A handwritten signature in black ink, appearing to read "Ed" followed by a stylized flourish.

Timothy N. Hall
Field Supervisor

TNH/MAC/km

**South Carolina Distribution Records of
Endangered, Threatened, Candidate and Species of Concern
March 2008**

E	Federally endangered
T	Federally threatened
P	Proposed in the Federal Register
CH	Critical Habitat
BGEPA	Federally protected under the Bald and Golden Eagle Protection Act
C	The U.S. Fish and Wildlife Service or the National Marine Fisheries Service has on file sufficient information on biological vulnerability and threat(s) to support proposals to list these species
S/A	Federally protected due to similarity of appearance to a listed species
SC	Federal Species of concern. These species are rare or limited in distribution but are not currently legally protected under the Endangered Species Act.
*	Contact the National Marine Fisheries Service for more information on this species

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

Common Name	Scientific Name	Status	Occurrence
West Indian manatee	<i>Trichechus manatus</i>	E	Known
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGEPA	Known
Bachman's warbler	<i>Vermivora bachmanii</i>	E	Known
Wood stork	<i>Mycteria americana</i>	E	Known
Red-cockaded woodpecker	<i>Picoides borealis</i>	E	Known
Piping plover	<i>Charadrius melodus</i>	T, CH	Known
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i> *	E	Known
Leatherback sea turtle	<i>Dermochelys coriacea</i> *	E	Known
Loggerhead sea turtle	<i>Caretta caretta</i>	T	Known
Green sea turtle	<i>Chelonia mydas</i> *	T	Known
Flatwoods salamander	<i>Ambystoma cingulatum</i>	T	Known
Shortnose sturgeon	<i>Acipenser brevirostrum</i> *	E	Known
Sea-beach amaranth	<i>Amaranthus pumilus</i>	T	Known
Canby's dropwort	<i>Oxypolis canbyi</i>	E	Known
Pondberry	<i>Lindera melissifolia</i>	E	Possible
Chaff-seed	<i>Schwalbea americana</i>	E	Known
Southern Dusky Salamander	<i>Desmognathus auriculatus</i>	SC	Known
Gopher frog	<i>Rana capito</i>	SC	Known

Kirtland's Warbler	<i>Dendroica kirtlandii</i>	E	Known
Incised groovebur	<i>Agrimonia incisa</i>	SC	Known
Venus' fly-trap	<i>Dionaea muscipula</i>	SC	Known
Angiosperm (no common name)	<i>Elytraria caroliniensis</i>	SC	Known
Godfrey's privet	<i>Forestiera godfreyi</i>	SC	Known
Creeping St. John's wort	<i>Hypericum adpressum</i>	SC	Known
Pondspice	<i>Litsea aestivalis</i>	SC	Known
Boykin's lobelia	<i>Lobelia boykinii</i>	SC	Known
Sweet pinesap	<i>Monotropsis odorata</i>	SC	Known
Savannah or Piedmont cowbane	<i>Oxypolis ternata</i>	SC	Known
Pineland plantain	<i>Plantago sparsiflora</i>	SC	Known
False coco	<i>Pteroglossaspis ecristata</i>	SC	Known
Awed meadowbeauty	<i>Rhexia aristosa</i>	SC	Known
Bachman's sparrow	<i>Aimophila aestivalis</i>	SC	Known
Henslow's sparrow	<i>Ammodramus henslowii</i>	SC	Possible
Red knot	<i>Calidris canutus</i>	C	Known
Black-throated green warbler	<i>Dendroica virens</i>	SC	Known
Swallow-tailed kite	<i>Elanoides forficatus forficatus</i>	SC	Known
American kestrel	<i>Falco sparverius</i>	SC	Known
American oystercatcher	<i>Haematopus palliatus</i>	SC	Known
Loggerhead shrike	<i>Lanius ludovicianus</i>	SC	Possible
Black rail	<i>Laterallus jamaicensis</i>	SC	Known
Swainson's warbler	<i>Limnothlypis swainsonii</i>	SC	Known
Painted bunting	<i>Passerina ciris ciris</i>	SC	Known
Gull-billed tern	<i>Sterna nilotica</i>	SC	Known
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	SC	Known
Southeastern myotis	<i>Myotis austroriparius</i>	SC	Known
Bull's Island white-tail deer	<i>Odocoileus virginianus taurinsulae</i>	SC	Known
Southern hognose snake	<i>Heterodon simus</i>	SC	Known
Island glass lizard	<i>Ophisaurus compressus</i>	SC	Known

COLLETON COUNTY

Common Name	Scientific Name	Status	Occurrence
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGEPA	Known
Wood stork	<i>Mycteria americana</i>	E	Known
Red-cockaded woodpecker	<i>Picoides borealis</i>	E	Known
Piping plover	<i>Charadrius melodus</i>	T, CH	Known
Kemp's ridley sea turtle	<i>Lepidochelys kempii*</i>	E	Known
Leatherback sea turtle	<i>Dermochelys coriacea*</i>	E	Known
Loggerhead sea turtle	<i>Caretta caretta</i>	T	Known
Green sea turtle	<i>Chelonia mydas*</i>	T	Known
Shortnose sturgeon	<i>Acipenser brevirostrum*</i>	E	Known
Pondberry	<i>Lindera melissifolia</i>	E	Possible
Canby's dropwort	<i>Oxypolis canbyi</i>	E	Known
Southern Dusky Salamander	<i>Desmognathus auriculatus</i>	SC	Possible
Angiosperm (no common name)	<i>Elytraria caroliniensis</i>	SC	Known
Godfrey's privet	<i>Forestiera godfreyi</i>	SC	Known
Pondspice	<i>Litsea aestivalis</i>	SC	Known
Boykin's lobelia	<i>Lobelia boykinii</i>	SC	Known
Carolina bird-in-a-nest	<i>Macbridea caroliniana</i>	SC	Known
Crested fringed orchid	<i>Pteroglossaspis ecristata</i>	SC	Known
Bachman's sparrow	<i>Aimophila aestivalis</i>	SC	Possible
Kirtland's Warbler	<i>Dendroica kirtlandii</i>	E	
Henslow's sparrow	<i>Ammodramus henslowii</i>	SC	Possible
Red knot	<i>Calidris canutus</i>	C	Possible
Black-throated green warbler	<i>Dendroica virens</i>	SC	Possible
Swallow-tailed kite	<i>Elanoides forficatus forficatus</i>	SC	Known
American kestrel	<i>Falco sparverius</i>	SC	Possible
American oystercatcher	<i>Haematopus palliatus</i>	SC	Known
Loggerhead shrike	<i>Lanius ludovicianus</i>	SC	Possible
Black rail	<i>Laterallus jamaicensis</i>	SC	Possible
Painted bunting	<i>Passerina ciris ciris</i>	SC	Possible
Gull-billed tern	<i>Sterna nilotica</i>	SC	Known
Bluebarred pygmy sunfish	<i>Elassoma okatie</i>	SC	Known
Southern hognose snake	<i>Heterodon simus</i>	SC	Possible
Island glass lizard	<i>Ophisaurus compressus</i>	SC	Known
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	SC	Known

South Carolina Department of Natural Resources

September 8, 2008

Ms. Elizabeth Jackson
U. S. Army Corps of Engineers
69-A Hagood Avenue
Charleston, SC 29403-5107



John E. Frampton
Director
Robert H. Boyles, Jr.
Deputy Director for
Marine Resources

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



OCT 20 2008

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

October 14, 2008

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,



William C. Eiser
Project Manager

cc: Carolyn R. Boltin
Barbara Neale
Blair Williams

Jackson, Elizabeth G SAW@SAC

From: DuBose Griffin [GriffinD@dnr.sc.gov]
Sent: Wednesday, September 03, 2008 3:40 PM
To: Jackson, Elizabeth G SAW@SAC
Cc: Susan Davis; Melissa_Bimbi@fws.gov; Bob Perry
Subject: Town of Edisto Nourishment Project

Attachments: USACOE Edisto 8-15-2008.pdf; image001.jpg; image004.jpg



USACOE Edisto
8-15-2008.pdf (1...



image001.jpg (5
KB)



image004.jpg (5
KB)

Ms. Jackson,

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>

<http://www.dnr.sc.gov/seaturtle/> <<http://www.dnr.sc.gov/seaturtle/>>

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>>

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Jackson, Elizabeth G SAW@SAC

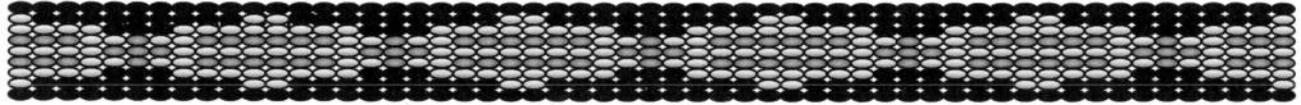
From: Tritapoe, Fred - Walterboro, SC [Fred.Tritapoe@sc.usda.gov]
Sent: Wednesday, August 27, 2008 1:04 PM
To: Jackson, Elizabeth G SAW@SAC
Subject: Town of Edisto Feasibility Study

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

CATAWBA INDIAN NATION
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730
803.328.2427 Fax 803-328-5791



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



United States Department of the Interior

FISH AND WILDLIFE SERVICE
176 Croghan Spur Road, Suite 200
Charleston, South Carolina 29407



January 27, 2010

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,

Diane L. Lynch
Acting Field Supervisor

DLL/CWA

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IN AMERICA 



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403-5107

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.

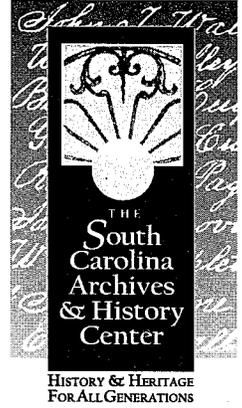
Respectfully,

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,

Caroline Dover Wilson
Review and Compliance Coordinator
State Historic Preservation Office



UNIVERSITY OF SOUTH CAROLINA

SOUTH CAROLINA INSTITUTE OF ARCHAEOLOGY AND ANTHROPOLOGY

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 paleolandscapes 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



US Army Corps of Engineers®

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
- 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? 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

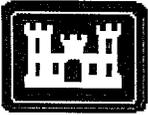
Question 12: What do you value most about the beach front of Edisto Beach?

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.



US Army Corps of Engineers®

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
- d. All

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

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.



US Army Corps of Engineers®

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

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.



US Army Corps of Engineers®

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? LIVE HERE PERMANENTLY

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?

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.


 Fort St. Vrain, South Carolina
 Town Public Meeting
 October 29, 2009
 7:00 PM



Name	Address	Email Address	Contact Number
Morgan Buckley Hyams + Belle	Edisto Beach	edistowater@bellsouth.net	843-569-2505
Adolphus	21 Rice Lane 2005 Myrtle St. Edisto Beach	biandrews@comcast.net	843-631-1066
Tommy + Dale Mann	"	tmanm@trivista.net	803-261-5911
Foe Anderson	"	Pete@SRSotele.com	729-4774
K. Patrick Brown	2414 Hwy St.	edistobrown@bellsouth.net	869-2505
Tavis Hill	2714 Murnas St	edistohill@bellsouth.net	869-2505
AARON CLARKE	P.O. Box 460	archieclarke@charml.com	869-3789
Serrine Rhodes	3619 Yacht Club Edisto	jgrhodes@lowcountry.com	843-893-7102
E. LARRY ALTO	2702 Palmetto Blvd.	eal@bellsouth.net	843-869-4013
Manda M. Parley	3937 Palmetto St.	admand@bellsouth.net	843-869-1308

U. S. ARMY ENGINEER DISTRICT, CHARLESTON
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Subject: Edisto Beach

Computation _____

No. _____

Computed by _____

Checked by _____

Date

1/20/10

<u>NAME</u>	<u>AGENCY/ASSOC.</u>	<u>Telephone</u>
Brian Williams	U.S. Army Corps of Engineers	843-329-8153
Mark Caldwell	US FWS	843 727 4707 x215
Susan Davis	SLONR	843 953-9003
Tommy Mann	Edisto Beach Council	843/869-5251
Bill Eiser	DHEC-OCRM	843 953 0237
Matt Slagel	DHEC-OCRM	843 953-2033
Fred Miller	DHEC-OCRM	843-953-0236
Steven Traynor	CSE	803-799-8949
WILLIAM SAETERS	DHEC-OCRM	843-953-0258
DAVID SIMMS	SCPRF-SPS	803-734-0258
Pace Wilber	NOAA Fisheries	843-953-7200
Derk Bergquist	SCDNR	843 953-9074
Bob Martore	SCDNR	843 953-9303
Barbara Neale	SCDHEC-OCRM	843-953-0245
Iris Hill	Town of Edisto Beach	843 869 2505 x211
Patrick Brown	Town of Edisto Beach	843-869-2505
Susan Hornsby	Town of Edisto Beach	843-869-3155
LARRY HUTTO	Town of Edisto Beach	843-869-4013
Pat O'Donnell	USACE	843-329-8050
Mark Messersmith		
Keely Donville		

	Renourishment			New Groins			
	Pros	Cons	Caveats	Pros	Cons	Caveats	
Discussion during meeting On January 20, 2010	Town - beach in good shape from GROIN 15 and south - GROIN 15 and north is more of a problem - CSE - Groin 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	Town - migrating sand around the inlet to the mouth of big bay creek -	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? Derk - talk to Bud Bader and David Whitaker 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?		DNR/USFWS/NMFS are opposed. already have 34 existing groins - might be enough - EBSP would not prefer them		Discussion during meeting On January 20, 2010
USFWS - letter dated 09/11/2008	Effective protection - minimal harm to flora/fauna - beneficial to turtle nesting success	Short term - dredging window	Nov-Apr dredging window, compatible sediments, inlets not appropriate for large borrow areas, CBRA unit	None	Potential to cause more impacts to fish and wildlife resources - limited protection benefit - increase erosion downdrift - not aesthetically pleasing - safety hazard		USFWS - letter dated 09/11/2008
SCDNR - letter dated 09/08/2008	Preferred method of shore protection		Use appropriate materials, dredging windows Nov-Apr, only use Hopper from Dec-Mar, avoid mining of sands from active beach areas	Discouraged - not opposed to maintenance of existing groins	Significant direct impacts to nesting sea turtle females and nesting success - heavy machinery is detrimental - degrades nesting habitat		SCDNR - letter dated 09/08/2008
SCDNR - Dubose Griffin - email dated 09/03/2008			Should occur from Nov-Apr (outside of turtle nesting season, Hopper dredge only used from Dec-Mar when sea turtles not present				SCDNR - Dubose Griffin - email dated 09/03/2008
SCDHEC - OCRM - letter dated 10/14/2008	A means of beach preservation and restoration		SC policy to promote carefully planned nourishment projects		If improperly designed - they are harmful to adjacent beaches	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 adverse	SCDHEC - OCRM - letter dated 10/14/2008
NRCS - email dated 08/27/2008			Beach vitex - make sure a professional eradicates any of this nuisance species				NRCS - email dated 08/27/2008
Catawba- letter dated 09/09/2008	No concerns	No concerns	No concerns	No concerns		No concerns	Catawba- letter dated 09/09/2008

Modified Groins			Structure Relocation/Elevation			Dune Stabilization (sand fencing and grassing)		
Pros	Cons	Caveats	Pros	Cons	Caveats	Pros	Cons	Caveats
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	CSE - removing/notching would not be recommended	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	USFWS - eco tourism? (state park has record of day use)	Town - it would negatively impact tourism and impact town revenue - CSE - it would revert to an eroding beach, dunes would erode away - all - expensive	traffic counts for recreational use - would also have to remove infrastructure - all houses on septic -	Town - sand fencing has worked in portions of Atlantic Reach S and N -		CSE - Need wide dry portion of beach to be effective
None	Potential to cause more impacts to fish and wildlife resources - limited protection benefit - increase erosion downdrift - not aesthetically pleasing - safety hazard		Highest and best economic and environmental benefits - artificial erosion control structures would not be necessary - coastal area of Edisto would revert to more natural beach/dune system - increased	None		Dunes and vegetation are an effective enhancement measure - sand investment protection - allows use of beach/dune system to turtles and		Only use native vegetation
Discouraged	Significant direct impacts to nesting sea turtle females and nesting success - heavy machinery is detrimental - degrades nesting habitat					Use sand fencing and grassing to accomplish this		Performed in accordance with OCRM regulations - only use native vegetation
	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					Encouraged	Will not stop beach erosion	Installed in a manner that will not interfere with sea turtle nesting - should only be used in conjunction with other beach restoration measures
No concerns		No concerns	No concerns		No concerns	No concerns	No concerns	No concerns

	Offshore Breakwaters			Artificial Reefs			Seawall		
	Pros	Cons	Caveats	Pros	Cons	Caveats	Pros	Cons	Caveats
Discussion during meeting On January 20, 2010		generally regarded as a negative impact to the project		NMFS has supported piles of sand used for reef construction (talk to SAM and SAS - doug clark at ERDC) - DNR - at folly 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.	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 - illegal - 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)
USFWS - letter dated 09/11/2008	May reduce wave energy	More risk than benefit to beach/dune system - may prevent turtles from accessing beachfront - navigational hazard - and recreational hazard					None	Discouraged	
SCDNR - letter dated 09/08/2008		Not well known in this state - interferes with aquatic life movement - recreational impacts - navigational hazard					None	Discouraged	
SCDNR - Dubose Griffin - email dated 09/03/2008									
SCDHEC - OCRM - letter dated 10/14/2008		SC has limited experience - interferes with natural transport of sediment							
NRCS - email dated 08/27/2008									
Catawba- letter dated 09/09/2008	No concerns		No concerns	No concerns		No concerns	No concerns		No concerns



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A HAGOOD AVENUE
CHARLESTON, SOUTH CAROLINA 29403-5107

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,

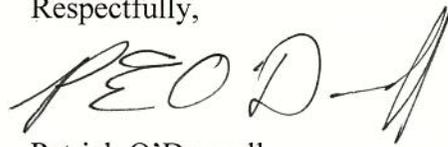
The US Army Corps of Engineers is working with the Town of Edisto on a feasibility study to examine alternatives for the reduction of hurricane and storm damages. Over the last several years we have coordinated with your staff and other agencies to receive input on a variety of possible measures to protect 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,

A handwritten signature in black ink, appearing to read "PEOD" followed by a stylized flourish.

Patrick O'Donnell
Chief, Planning and Environmental Branch



United States Department of the Interior



FISH AND WILDLIFE SERVICE

176 Croghan Spur Road, Suite 200
Charleston, South Carolina 29407

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,

Jay B. Herrington
Field Supervisor

JBH/MAC

From: [Allan Strand](mailto:Allan.Strand)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: RE: Sea beach amaranth
Date: Thursday, October 29, 2009 4:59:37 PM

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?
> >
> >
> > <<South Carolina Sea Beach Amaranth Survey - 2003.pdf>>
> >
> > Thanks -
> >
> > Mark J. Messersmith
> > Biologist
> > US Army Corps of Engineers - SAW@SAC
> > (843) 329-8162
> > mark.j.messersmith@usace.army.mil
> >
> >
>
>

From: [Andrea J Grabman](mailto:Andrea.J.Grabman@NOAA.gov)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: FW: Artificial reef deployment
Date: Friday, January 15, 2010 4:08:25 PM

...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.checkoff4scparcs.com/>>

From: Sea Turtle Biology and Conservation [CTURTLE@LISTS.UFL.EDU] On Behalf Of Michael Barnette [Michael.Barnette@NOAA.GOV]
Sent: Thursday, January 14, 2010 5:43 PM
To: CTURTLE@LISTS.UFL.EDU
Subject: Re: Artificial reef deployment

I don't believe there is any literature to date (due to inherent difficulty in evaluating the issue, lack of monitoring/reporting, and the limited time span the "evidence" exists to document the issue at any given site), however there may be potential issues depending on the type of material and the location.

Typically, rock or rubble material is not expected to introduce any issues.

There have been several instances of turtles entrapped in modules. Sally mentioned one from off SC in October 1995, which was from a metal "pup tent" or "lean-to" module, which had a large circular opening on each of the panels. The sides of this module are open, but the turtle (I remember it being larger than a juvenile) wedged itself firmly into the round opening and was found freshly dead. There has also been a documented turtle mortality in another metal module off Pensacola, and a suspected entrapment of a turtle in a concrete tetrahedron (also off FL), which had an open bottom that apparently allowed the turtle to wiggle under, gain entrance, and drown.

Then there are potential issues with vessels, many of which are associated with entanglements in lost anchor lines and monofilament. I have images of several examples of this interaction, which were forwarded on to the STSSN.

Cheers,
Mike

Michael C. Barnette

On Jan 14, 2010, at 10:14 AM, "Stetzar Edna (DNREC)"
<Edna.Stetzar@STATE.DE.US<<mailto:Edna.Stetzar@STATE.DE.US>>> wrote:

All-

Are you aware of any literature pertaining to injury of sea turtles from the deployment of artificial reef

From: [Andrea J Grabman](#)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: photos3- overwash from Hurricane Bill
Date: Saturday, January 16, 2010 3:35:26 PM
Attachments: [Hurrican Bill erosion 2.jpg](#)
[Hurrican Bill erosion 9.jpg](#)
[Hurrican Bill erosion 7.jpg](#)
[Hurrican Bill erosion 6.jpg](#)

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

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At Tax Time, "Check Off" for SC State Parks! <<http://www.checkoff4scparks.com/>>

From: [Bill Post](#)
To: [Messersmith, Mark J SAC](#)
Cc: [Moran, Joseph SAC](#)
Subject: RE: edisto sturgeon counts (UNCLASSIFIED)
Date: Thursday, May 02, 2013 3:45:25 PM

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

Classification: UNCLASSIFIED
Caveats: NONE

From: [Bill Post](#)
To: [Messersmith, Mark J SAC](#)
Subject: RE: edisto sturgeon counts (UNCLASSIFIED)
Date: Friday, May 03, 2013 9:18:24 AM

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

-----Original Message-----

From: Messersmith, Mark J SAC [<mailto:Mark.J.Messersmith@usace.army.mil>]

Sent: Friday, May 03, 2013 8:42 AM

To: Bill Post

Subject: RE: edisto sturgeon counts (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

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

-----Original Message-----

From: Bill Post [<mailto:PostB@dnr.sc.gov> <<mailto:PostB@dnr.sc.gov>>]

Sent: Thursday, May 02, 2013 3:44 PM

To: Messersmith, Mark J SAC

Cc: Moran, Joseph SAC

Subject: RE: edisto sturgeon counts (UNCLASSIFIED)

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>]

<<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

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mark.j.messersmith@usace.army.mil <<mailto:mark.j.messersmith@usace.army.mil>>

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE

From: [Bob Martore](#)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: RE: artificial reefs
Date: Friday, February 05, 2010 3:00:07 PM
Attachments: [SC Artificial Reef User 2006 Final Rpt.pdf](#)

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@dnr.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](mailto: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

Inactive hide details for "Messersmith, Mark J SAW@SAC"
<Mark.J.Messersmith@usace.army.mil>"Messersmith, Mark J SAW@SAC"
<Mark.J.Messersmith@usace.army.mil>

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

01/27/2010 03:08 PM

To

<Craig_Aubrey@fws.gov>

cc

Subject

RE: Edisto Beach and CBRA zones

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.

-----Original Message-----

From: Craig_Aubrey@fws.gov [mailto: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

Craig W. Aubrey
Coastal Program Coordinator
U.S. Fish and Wildlife Service
Charleston Field Office
176 Croghan Spur Road, Suite 200
Charleston, SC 29407

Phone: (843) 727-4707, ext. 301
Fax: (843) 727-4218
Inactive hide details for "Messersmith, Mark J SAW@SAC"
<Mark.J.Messersmith@usace.army.mil>"Messersmith, Mark J SAW@SAC"
<Mark.J.Messersmith@usace.army.mil>

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

01/27/2010 01:55 PM

To

<Craig_Aubrey@fws.gov>

cc

Subject

RE: Edisto Beach and CBRA zones

69A Hagood Ave.
Charleston, SC 29403-5107

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

-----Original Message-----

From: Craig_Aubrey@fws.gov [mailto:Craig_Aubrey@fws.gov]
Sent: Wednesday, January 27, 2010 1:54 PM
To: Messersmith, Mark J SAW@SAC
Subject: Re: Edisto Beach and CBRA zones

what's your mailing address?

From: [David Simms](#)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: Edisto
Date: Friday, October 23, 2009 10:07:27 AM

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://scprtconstructionbids.com>

<<http://scprtconstructionbids.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.

From: [Dobrasko, Rebekah](#)
To: [Messersmith, Mark J SAC](#); [SPIREK, JIM](#)
Cc: [Patrick, Dudley SAC](#); [Walters, Bret L SAC](#)
Subject: RE: Edisto Beach borrow area surveys (UNCLASSIFIED)
Date: Thursday, November 08, 2012 11:11:25 AM
Attachments: [Edisto - Cultural Resources - Hardbottom - Subbottom SOW 30Oct 2012 SHPO Comments.doc](#)

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

From: [DuBose Griffin](#)
To: [Messersmith, Mark J SAC](#)
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)
Date: Wednesday, September 19, 2012 4:52:12 PM
Attachments: [edistonestdata2010-2012.xls](#)

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

2010,2011,2012 .

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

Classification: UNCLASSIFIED
Caveats: NONE

From: [DuBose Griffin](#)
To: [Messersmith, Mark J SAC](#)
Cc: [Melissa Bimbi@fws.gov](mailto:Melissa_Bimbi@fws.gov)
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)
Date: Thursday, September 20, 2012 7:42:44 AM

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

2010,2011,2012 .

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

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

From: [DuBose Griffin](#)
To: [Messersmith, Mark J SAC](#)
Subject: RE: Edisto sea turtle nests (UNCLASSIFIED)
Date: Wednesday, September 19, 2012 4:49:34 PM

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
Caveats: NONE

2010,2011,2012 .

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

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

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

From: Mark_Caldwell@fws.gov
To: Messersmith, Mark J SAC
Subject: Re: Edisto (UNCLASSIFIED)
Date: Wednesday, August 22, 2012 9:22:15 AM

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>

08/21/2012 09:40 AM To
Mark Caldwell <Mark_Caldwell@fws.gov>
cc
Subject
Edisto (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

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!

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

From: Melissa_Bimbi@fws.gov
To: Messersmith.Mark.J.SAW@SAC
Cc: Mark_Caldwell@fws.gov
Subject: Re: Piping plovers
Date: Tuesday, January 12, 2010 9:25:56 AM

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
Inactive hide details for "Messersmith, Mark J SAW@SAC"
<Mark.J.Messersmith@usace.army.mil> "Messersmith, Mark J SAW@SAC"
<Mark.J.Messersmith@usace.army.mil>

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

01/12/2010 09:06 AM

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

From: Melissa_Bimbi@fws.gov
To: [Messersmith, Mark J SAC](#)
Subject: paper
Date: Monday, July 26, 2010 5:01:20 PM
Attachments: [Stewart and Wyneken 2004.pdf](#)

(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

From: [Myra Brouwer](#)
To: [Messersmith, Mark J SAC](#)
Subject: RE: trawl line data
Date: Monday, June 07, 2010 10:33:03 AM

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.

<http://www.dnr.sc.gov/licenses/pdf/TrawlingFY2010.pdf>

- 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

From: [Pace Wilber](#)
To: [Messersmith, Mark J SAC](#)
Subject: Re: EFH for Edisto Beach
Date: Tuesday, June 08, 2010 12:12:21 PM

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 an 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.

Pace

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>

From: Prescott.Brownell@noaa.gov
To: Messersmith.Mark.J.SAW@SAC
Cc: O'Donnell.Patrick.E.SAC; Pace.Wilber@noaa.gov
Subject: Re: Edisto Beach storm damage reduction meeting
Date: Monday, January 04, 2010 9:32:14 PM

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

> 29403
>
> Respectfully,
>
> Mark J. Messersmith
> Biologist
> US Army Corps of Engineers - SAW@SAC
> (843) 329-8162
> mark.j.messersmith@usace.army.mil
>
>
>

From: [Ray Stevens](#)
To: [Messersmith, Mark J SAC](#)
Subject: RE: Edisto Agency Meeting (UNCLASSIFIED)
Date: Thursday, June 14, 2012 4:29:12 PM
Attachments: [image001.png](#)

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

Caveats: NONE

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> <<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

mark.j.messersmith@usace.army.mil <<mailto:mark.j.messersmith@usace.army.mil>>

Classification: UNCLASSIFIED

Caveats: NONE

From: [Ray Stevens](#)
To: edistohill@bellsouth.net
Cc: [Susan Spell](#); [James Thompson](#); [Phil Gaines](#); [David Simms](#); [Messersmith, Mark J. SAW@SAC](#)
Subject: FW: ACOE Feasibility
Date: Tuesday, January 19, 2010 9:01:25 AM

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

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rstevens@scprt.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

[cid:image001.jpg@01CA8EC5.ECA813A0]

From: [Shannon K. Berry](#)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: Edisto Data
Date: Thursday, October 29, 2009 1:19:35 PM
Attachments: [Messersmith.xls](#)

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.

From: [SPIREK, JIM](#)
To: [Messersmith, Mark J SAC](#)
Cc: [Dobrasko, Rebekah](#)
Subject: RE: Edisto Beach borrow area surveys (UNCLASSIFIED)
Date: Thursday, November 15, 2012 4:10:12 PM

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

From: [SPIREK, JIM](#)
To: [Messersmith, Mark J SAC](#); [Dobrasko, Rebekah](#)
Cc: [Means, Alisha N SAC](#)
Subject: RE: Edisto: Cultural/Hardbottom Report Review (UNCLASSIFIED)
Date: Wednesday, February 20, 2013 4:50:49 PM

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

From: [SPIREK, JIM](#)
To: [Means, Alisha N SAC](#); [Messersmith, Mark J SAC](#)
Cc: ["Dobrasko, Rebekah"](#)
Subject: Review of draft report of Edistor beach renourishment project
Date: Friday, April 12, 2013 2:50:04 PM
Attachments: [SCIAA DC review 13.pdf](#)

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>

From: [Susan Spell](#)
To: [Messersmith, Mark J SAW@SAC](mailto:Messersmith.Mark.J.SAW@SAC)
Subject: RE: Edisto Beach hurricane and storm damage reduction project
Date: Wednesday, October 21, 2009 3:08:23 PM

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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From: Messersmith, Mark J SAW@SAC [<mailto:Mark.J.Messersmith@usace.army.mil>]
Sent: Wednesday, October 21, 2009 8:12 AM
To: Susan Spell
Subject: Edisto Beach hurricane and storm damage reduction project

Ms. Spell,

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

From: [Susan Spell](#)
To: [Messersmith, Mark J SAC](#)
Cc: [Ray Stevens](#)
Subject: RE: Edisto meeting (UNCLASSIFIED)
Date: Wednesday, July 18, 2012 2:16:42 PM

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 tomorrows 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
69A Hagood Ave
Charleston, SC 29403
(p) (843) 329 - 8162
(f) (843) 329 - 2231
mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

From: [Susan Spell](#)
To: [Messersmith, Mark J SAC](#)
Cc: [Ray Stevens](#)
Subject: RE: Edisto meeting (UNCLASSIFIED)
Date: Thursday, July 19, 2012 10:04:00 AM

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
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 2:37 PM
To: Susan Spell
Cc: Ray Stevens
Subject: RE: Edisto meeting (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Ok... awhile 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

-----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)

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 tomorrows USACE meeting on the Edisto Beach Storm Damage Reduction study?

Thanks - Mark

Mark Messersmith
Planning and Environmental Branch
US Army Corps of Engineers
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mark.j.messersmith@usace.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE