

JOINT APPLICATION
FOR
A DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS PERMIT,
STATE OF GEORGIA MARSHLAND PROTECTION PERMIT,
REVOCABLE LICENSE AGREEMENT
AND REQUEST FOR
WATER QUALITY CERTIFICATION
AS APPLICABLE

INSTRUCTIONS FOR SUBMITTING APPLICATION:

Every Applicant is Responsible to Complete The Permit Application and Submit as Follows: One copy each of application, location map, drawings, copy of deed and any other supporting information to addresses 1, 2, and 3 below. If water quality certification is required, send only application, location map and drawing to address No. 4.

1. For Department of the Army Permit, mail to: Commander, Savannah District, US Army Corps of Engineers, ATTN: CESAS-RD, 100 W. Oglethorpe Avenue, Savannah, Georgia 31401-3640. Phone (912) 652-5347 and/or toll free, Nationwide 1-800-448-2402.
2. For State Permit - State of Georgia (six coastal counties only) mail to: Habitat Management Program, Coastal Resources Division, Georgia Department of Natural Resources, 1 Conservation Way, Brunswick, Georgia 31523. Phone (912) 264-7218.
3. For Revocable License - State of Georgia (six coastal counties plus Effingham, Long, Wayne, Brantley and Charlton counties only) - Request must have State of Georgia's assent or a waiver authorizing the use of State owned lands. All applications for dock permits in the coastal counties or for docks located in tidally influenced waters in the counties listed above need to be submitted to Real Estate Unit. In addition to instructions above, you must send two signed form letters regarding revocable license agreement to: Ecological Services Coastal Resources Division, Georgia Department of Natural Resources, 1 Conservation Way, Brunswick, Georgia 31523. Phone (912) 264-7218.
4. For Water Quality Certification State of Georgia, mail to: Water Protection Branch, Environmental Protection Division, Georgia Department of Natural Resources, 4220 International Parkway, Suite 101, Atlanta, Georgia 30354 (404) 675-1631.

The application must be signed by the person authorized to undertake the proposed activity. The applicant must be the owner of the property or be the lessee or have the authority to perform the activity requested. Evidence of the above may be furnished by copy of the deed or other instrument as may be appropriate. The application may be signed by a duly authorized agent if accompanied by a statement from the applicant designating the agent. See item 6, page 2.

1. Application No. _____

2. Date 9/15/2022

3. For Official Use Only _____

4. Name and address of applicant.

5. Location where the proposed activity exists or will occur.

Lat. 30.53.94 Long. 81.26.41

<u>Camden</u>		
County	Military District	In City or Town
<u>St. Mary's</u>		
Near City or Town	Subdivision	Lot No.
	<u>6 feet</u>	<u>Georgia</u>
Lot Size	Approximate Elevation of Lo	State
<u>Brickhill River</u>	<u>Brickhill River</u>	
Name of Waterway	Name of Nearest Creek, River, Sound, Bay or Hammock	

6. Name, address and title of applicant's authorized agent for permit application coordination.

Michael Seibert, Chief of Resources
101 Wheeler St St. Marys, Georgia 31558

Statement of Authorization: I hereby designate and authorize the above named person to act in my behalf as my agent in the processing of this permit application and to furnish, upon request, supplemental information in support of this application.

 September 15, 2022
Signature of Applicant Date

7. Describe the proposed activity, its purpose and intended use, including a description of the type of structures, if any to be erected on fills, piles, of float-supported platforms, and the type, composition and quantity of materials to be discharged or dumped and means of conveyance. If more space is needed, use remarks section on page 4 or add a supplemental sheet. (See Part III of the Guide for additional information required for certain activities.)

project will combine rip rap and living shoreline to arrest erosion at Plum Orchard. Rip rap will serve as an anchor for the bluff as well as the oyster beds and native grasses.

8. Proposed use: Private Public Commercial Other (Explain)

9. Names and addresses of adjoining property owners whose property also adjoins the waterway.

NA

10. Date activity is proposed to commence. February 2023

Date activity is expected to be completed. April 2023

11. Is any portion of the activity for which authorization is sought now complete Y N

a. If answer is "Yes", give reasons in the remarks in the remarks section. Indicate the existing work on the drawings.

b. If the fill or work is existing, indicate date of commencement and completion.

c. If not completed, indicate percentage completed.

12. List of approvals or certifications required by other Federal, State or local agencies for any structures, construction discharges, deposits or other activities described in this application. Please show zoning approval or status of zoning for this project.

Issuing Agency Type Approval Identification No. Date/Application Date/Approval

13. Has any agency denied approval for the activity described herein or for any activity directly related to the activity described herein?
 Yes NO (If "yes", explain).

Note: Items 14 and 15 are to be completed if you want to bulkhead, dredge or fill.

14. Description of operation: (If feasible, this information should be shown on the drawing).

a. Purpose of excavation or fill to stabilize bluff and provide proper slope for living shoreline

1. Access channel length - depth - width -

2. Boat basin length - depth - width -

3. Fill area length 800' depth - width -

4. Other - length - depth - width -

(Note: If channel, give reasons for need of dimensions listed above.)

b. If bulkhead, give dimensions -

-- Type of bulkhead construction (material) -

1. Backfill required: Yes No Cubic yards -

2. Where obtained on island dredge spoil

c. Excavated material

1. Cubic yards -

2. Type of material -

15. Type of construction equipment to be used Asphalt truck, backhoes

a. Does the area to be excavated include any wetland? Yes No

b. Does the disposal area contain any wetland? Yes No

c. Location of disposal area -

d. Maintenance dredging, estimated amounts, frequency, and disposal sites to be utilized: -

e. Will dredged material be entrapped or encased? -

f. Will wetlands be crossed in transporting equipment to project site? NO

g. Present rate of shoreline erosion (if known) 0.65m annually

16. Description of Avoidance, Minimization and Compensation: Provide a brief explanation describing how impacts to waters of the United States are being avoided and minimized on the project site. Also, provide a brief description of how impacts to waters of the United States will be compensated for, or a brief statement explaining why compensatory mitigation should not be required for those impacts.

17. Water Quality Certification: In some cases, Federal law requires that a Water Quality Certification from the State of Georgia be obtained prior to issuance of a Federal license or permit. Applicability of this requirement to any specific project is determined by the permitting Federal agency. The information requested below is generally sufficient for the Georgia Environmental Protection Division to issue such a certification if required. Any item, which is not applicable to a specific project, should be so marked. Additional information will be requested if needed.

a. Please submit the following:

1. A plan showing the location and size of any facility, existing or proposed, for handling any sanitary or industrial waste waters generally on your property.

2. A plan of the existing or proposed project and your adjacent property for which permits are being requested.

3. A plan showing the location of all points where petro-chemical products (gasoline, oils, cleaners) used and stored. Any aboveground storage areas must be diked, and there should be no storm drain catch basins within the dike areas. All valving arrangements on any petro-chemical transfer lines should be shown.

4. A contingency plan delineating action to be taken by you in the event of spillage of petro-chemical products or other materials from your operation.

5. Plan and profile drawings showing limits of areas to be dredged, areas to be used for placement of spoil, locations of any dikes to be constructed showing locations of any weir(s), and typical cross sections of the dikes.

b. Please provide the following statements:

1. A statement that all activities will be performed in a manner to minimize turbidity in the stream.

2. A statement that there will be no oils or other pollutants released from the proposed activities which will reach the stream.

3. A statement that all work performed during construction will be done in a manner to prevent interference with any legitimate water uses.

18. Application is hereby made for a permit or permits to authorize the activities described herein; Water Quality Certification from the Georgia Environmental Protection Division is also requested if needed. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities.



Signature of Applicant

19. U.S.C. Section 1001 provides that: Whoever, in any matter within the jurisdiction of any department or agency of the United States, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations, or makes or uses false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined no more than \$10,000 or imprisoned not more than 5 years or both.

PRIVACY ACT NOTICE

The Department of the Army permit program is authorized by Section 10 of the Rivers and Harbors Act of 1899, Section 404 of the Clean Water Act and Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972. These laws require permits authorizing structures and work in or affecting navigable waters of the United States, the discharge of dredged or fills material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Information provided will be used in evaluating the application for a permit. Information in the application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary; however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

SUPPORTING REMARKS:

**U.S. Army Corps of Engineers
Regulatory Branch, Coastal Area Section
100 West Oglethorpe Avenue
Savannah, Georgia 31401-3640**

To Whom It May Concern:

This is to certify the work subject to the jurisdiction of the U.S. Army Corps of Engineers as described in my application dated 9/15/2022, is to the best of my knowledge, consistent with the Georgia Management Plan.

Since my project is located in the Coastal Area of Georgia, I understand the U.S. Army Corps of Engineers must provide this statement to the Georgia Department of Natural Resources, Coastal Resources Division, Ecological Services Section (GADNR-CRD) for its review, and a Department of Army permit will not be issued until the GADNR-CRD concurs with my findings. I also understand additional information may be required by the GADNR-CRD to facilitate its review of my project and the additional information certifications may be required for other Federal or State authorizations.

Signature of Applicant:



Date:

9/15/22

Printed Name of Applicant:

Michael Seibert

Street Address:

101 Wheeler st

City, State, Zip Code:

St. Marys, Ga 31558

Phone Number:

678 983 3638

Fax Number:

E-Mail Address:

michael_seibert@nps.gov

**For questions regarding consistency with the Georgia Coastal Management Program,
Please contact Kelie Moore, GADNR-CRD, (912) 264-7218.**

Coastal Marina, Community or Commercial Dock Checklist

(fill in the blanks as indicated or answer yes or no)

LOCATION:

County Camden Landmarks _____
 Municipality _____ Waterway _____

FACILITY:

Facility Type _____ Private Public _____ Commercial _____ Other _____
 Dock Space _____ Leased _____ Sold _____ Rented _____ Other _____

Size of Upland Area (sq. ft.) 1200 Size of Submerged Area (sq. ft.) 5400

WATERWAY INFORMATION:

open water _____ river creek _____ basin _____

Tidal Range (ft. MLW) 2 meters Water Depth (ft. MLW) _____
 Channel Width (ft. MLW) 89 meters Depth of Dredging (ft. MLW) no

Distance facility will extend into the waterway beyond MLW 8 meters

EXISTING OR PLANNED SERVICES IN JURISDICTION:

<input checked="" type="checkbox"/> boat ramp	_____ hoist	_____ mobile lift	_____ vessel TV hookup
_____ railway	_____ fuel	_____ propeller repair	_____ electrical repair
_____ pump-out vessels	_____ hull repair	_____ engine repair	_____ vessel electric hookup
_____ boat building	_____ ship's store	_____ dockmaster's office	_____ fire protection
_____ restrooms	_____ showers	_____ restaurant	_____ laundromat
_____ hotel	_____ # of vehicle parking spaces		_____ # of trailer parking spaces

DREDGING/FILLING/ShORELINE STABILIZATION:

No Will dredging be required for the access channel?
No Will dredging be required for boat basin?
yes Is filling proposed in tidal wetlands?
No Is filling proposed in open water?
No Will dredge disposal sites be required?
yes Have future dredge disposal sites been identified?
yes Have future dredge spoil sites been set aside with deeds or easements?
yes Is shoreline stabilization proposed? If so, what type? Riprap Living Shoreline
yes Is the project in or near a US Army Corps of Engineers maintained channel or basin with an authorization depth of 12 feet or greater? (if so, contact the Corps of Engineers)

HABITAT/WILDLIFE/CULTURAL RESOURCES: (contact GADNR Wildlife Resources Division, US Fish & Wildlife Service, GADNR Coastal Resources Division- Marine Fisheries, National Marine Fisheries Service OR GADNR Historic Resources)

yes Is this site located near a wildlife refuge, wilderness area, special management area, or other area specifically located for the protection of fish and wildlife?
If yes, what is the distance? 270m

no *Is this habitat identified as "essential fish habitat"?

yes Are rare, threatened, endangered or otherwise designated unique or outstanding aquatic or terrestrial species or their habitats known to be present at or near the project site?

yes Do oyster or clam beds occur in or near the project site or access channels?
If yes, what is the distance? 1/2 mile If yes, what is the acreage? _____

yes *Is project site near active crabbing areas?

no *Is the project site in designated bait zones?

yes Is the project site in or near an area of historic, archeological, or scenic value?
If yes, explain project is within plum orchard Historic district as listed on the NRHP

* GA DNR Coastal Resources Division's Marine Fisheries staff can direct the applicant to appropriate source materials.

STATE OF GEORGIA

REQUEST FOR A REVOCABLE LICENSE FOR THE USE OF TIDAL WATERBOTTOMS

APPLICANT NAME(S): Cumberland Island National Seashore
MAILING ADDRESS: 101 Wheeler St St. Marys Georgia 31558
(Street) (City) (State) (Zip)
PROJECT ADDRESS/LOCATION: Plum Orchard, Cumberland Island
COUNTY: Camden WATERWAY: Brickhill Lagoon
LOT, BLOCK & SUBDIVISION NAME FROM DEED: _____

Georgia Department of Natural Resources
Coastal Resources Division
One Conservation Way
Brunswick, Georgia 31520-8687

I am requesting that I be granted a revocable license from the State of Georgia to encroach on the beds of tidewaters, which are state owned property. Attached hereto and made a part of this request is a copy of the plans and description of the project that will be the subject of such a license. I certify that all information submitted is true and correct to the best of my knowledge and understand that willful misrepresentation or falsification is punishable by law.

I understand that if permission from the State is granted, it will be a revocable license and will not constitute a license coupled with an interest. I acknowledge that this revocable license does not resolve any actual or potential disputes regarding the ownership of, or rights in, or over the property upon which the subject project is proposed, and shall not be construed as recognizing or denying any such rights or interests. I acknowledge that such a license would relate only to the property interests of the State and would not obviate the necessity of obtaining any other State license, permit, or authorization required by State law. I recognize that I waive my right of expectation of privacy and I do not have the permission of the State of Georgia to proceed with such project until the Commissioner of DNR or his/her designee has executed a revocable license in accordance with this request.

Sincerely,

By: 
Signature of Applicant

Date: 9/15/22

Chief of Resource Management
Title, if applicable

By: _____
Signature of Applicant

Date: _____

Title, if applicable

Attachments

Brian P. Kemp
Governor



Christopher Nunn
Commissioner

September 2, 2022

Michael Seibert
Resources Manager
Cumberland Island National Seashore
101 Wheeler Street
Saint Marys, Georgia 31558

**RE: Cumberland Island NS: Plum Orchard Shoreline Stabilization
Camden County, Georgia
HP-220808-005**

Dear Mr. Seibert:

The Historic Preservation Division (HPD) has received the information submitted concerning the above referenced project. Our comments are offered to assist the National Park Service (NPS) and Cumberland Island National Seashore (NS) in complying with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA).

The subject project consists of stabilizing an approximately 1, 200-foot (ft.) portion of the shoreline associated with Plum Orchard on Cumberland Island. Based on the information provided, HPD concurs that the project is within the National Register of Historic Places (NRHP)-listed Plum Orchard Historic District/archaeological site 9CM79 (NPS 9CAM17)/9CM582 (Plum Orchard Complex/Tabby House Midden/9CUI53.024). It is HPD's understanding that the majority of the work will take place from a river barge. As such, HPD generally concurs with the proposed plan for shoreline stabilization at Plum Orchard. Therefore, it is HPD's opinion that the subject project, as proposed, will have **no adverse effect** to historic properties within its area of potential effect (APE), as defined in 36 CFR Part 800.5(b), **provided the following conditions are met:**

1. Equipment staging areas needed on the upland will be located away from and off all listed/eligible archaeological sites.
2. Protective matting must be placed in areas where heavy equipment needs to traverse over listed/eligible archaeological sites that are not within an established roadway to protect archaeological resources from potential impacts.

This letter evidences consultation with our office for compliance with Section 106 of the NHPA. It is important to remember that any changes to this project as it is currently proposed will require additional consultation. HPD encourages federal agencies and project applicants to discuss such changes with our office to ensure that potential effects to historic properties are adequately considered in project planning.

Please refer to project number **HP-220808-005** in any future correspondence regarding this project. If we may be of further assistance, please contact me at Stacy.Rieke@dca.ga.gov or Jennifer Bedell, Archaeology Compliance Program Manager, at Jennifer.Bedell@dca.ga.gov or (404) 486-6371.

Sincerely,

A handwritten signature in blue ink that reads "Stacy Rieke".

Stacy Rieke, MHP
Program Manager
Environmental Review & Preservation Planning

cc: Aaron Carpenter, Coastal Regional Commission of Georgia





United States Department of the Interior



NATIONAL PARK SERVICE
Cumberland Island National Seashore
101 Wheeler Street
Saint Marys, Georgia 31558

IN REPLY REFER TO:

1.A.2 (CUIS Resource Management)
Shoreline stabilization of Plum Orchard river bank

August 8, 2022

Attn: Jennifer Dixon, Program Manager
Environmental Review and Preservation Planning
Historic Preservation Division
2610 GA Hwy 155-N
Stockbridge, GA 30281
(770) 389-7844

Re: Shoreline stabilization of Plum Orchard river bank

Dear Jennifer Dixon:

In accordance with § 106 of the National Historic Preservation Act of 1966, as amended, and the Advisory Council's regulations, 36 CFR Part 800, we request your concurrence regarding the above referenced undertaking. This project is located in Cumberland Island, Camden County, Georgia.

The 1200 feet of shoreline associated with Plum Orchard is naturally vulnerable to erosion due to its location on an outside bend of the Brickhill River, a tidal stream with strong currents. In addition, surface runoff from the adjoining landscape contributes significantly to bank erosion. However, erosion rates have increased dramatically according to quantitative assessments and casual observations. An island-wide assessment of historical shoreline change indicates that prior to 1983 erosion along Plum Orchard was on the order of 0.14-0.17 meters per year. After 1983, erosion rates there increased approximately 400% to an estimated 0.65 meters annually. Within the past several years serious undercutting has taken place along the bank leading to small sinkholes, severe slumping, and rapid, irregular bank loss. The unstable shoreline creates a safety hazard, alters the local natural environment, is an imminent threat to features of the National Register Plum Orchard Historic District, and threatens habitat.

Manmade "improvements" and activities along the shoreline are a key factor in the accelerated erosion. The waterfront at Plum Orchard is an assortment of structures set within the natural configuration of the river bank. These modifications include a 170-foot wooden bulkhead, 200(+) feet of rubble-based rip-rap, a dock, an unimproved boat ramp, and a 150-foot dike. The bulkhead and rip-rap were added to protect structures with little regard as to how they would affect the adjacent shoreline that is not hardened. Activities at the dock and boat ramp directly cause erosion. Run-off from a service road and lawns are also contributing to erosion as the water collects and funnels into waterways that spill over and cut the river bank. Subsurface flow in the tidal creek also undermines the bank. The collective result is a highly dysfunctional, unstable shoreline that is putting cultural and natural resources in jeopardy.

INTERIOR REGION 2 • SOUTH ATLANTIC-GULF

ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

The overall goal of restoration for Plum Orchard Shoreline is to reduce erosion and stabilize this area, to reduce the risk of impacts from storms and sea level rise to the shoreline vegetation and increase the resiliency of the shoreline. The attached scope of work details a proposal for the project that aligns with the goals of the NPS and Georgia Department of Natural Resources for shoreline protection. Also attached, are preliminary archeological surveys of the Plum Orchard landscape that identify cultural resource types and integrity.

The park believes the project will have a **No Adverse Effect** on existing resources.

If there are any questions or clarifications needed please contact me at Michael_Seibert@nps.gov

Michael Seibert
Resources Manager
Cumberland Island National Seashore
Fort Frederica National Monument

INTERIOR REGION 2 • SOUTH ATLANTIC-GULF

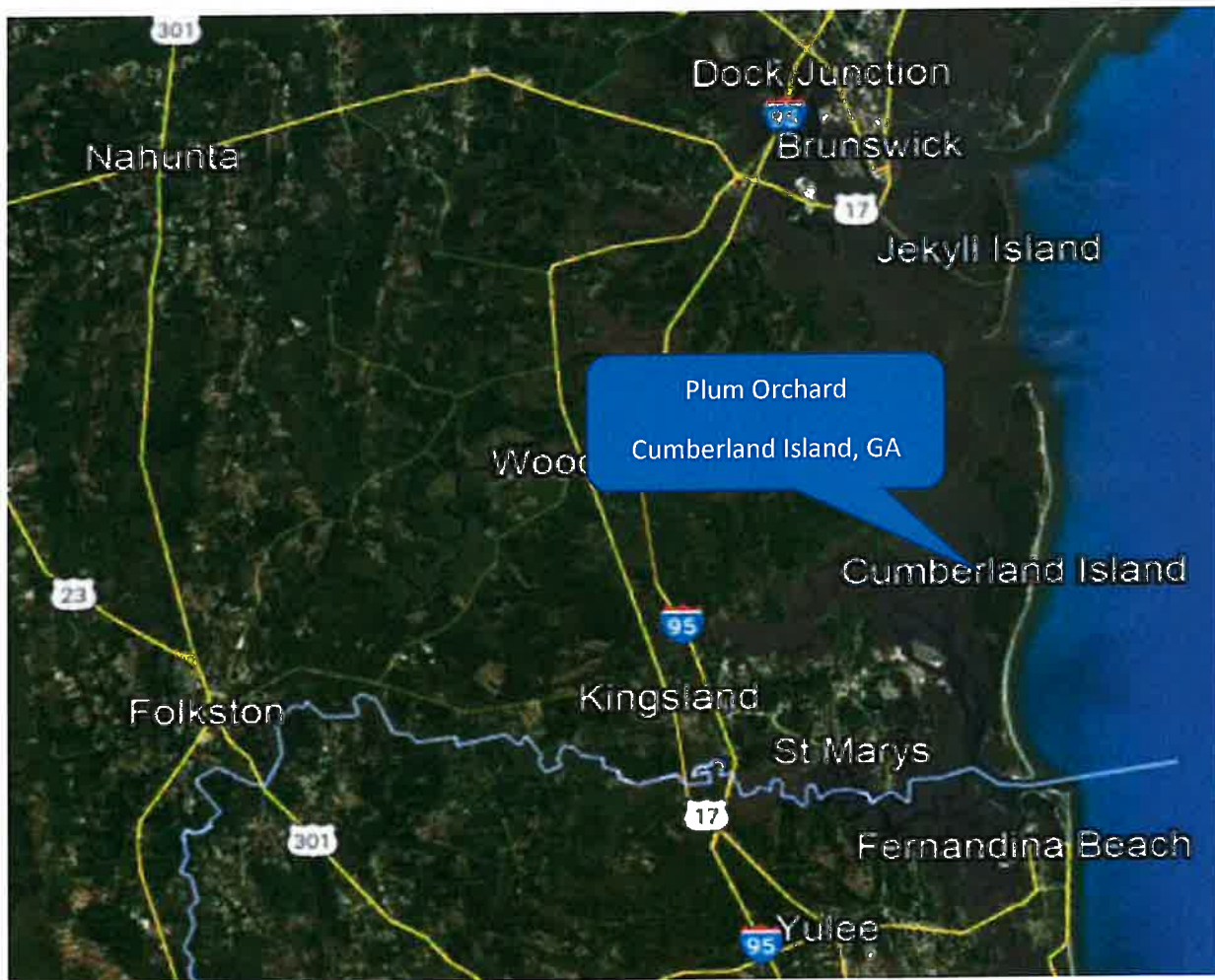
ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

Statement of Work
For
Shoreline Stabilization
National Park Service, Cumberland Island, GA – PMIS 305281
Plum Orchard

Objective for Shoreline Stabilization at Plum Orchard

The overall goal of restoration for Plum Orchard Shoreline is to reduce erosion and stabilize this area, to reduce the risk of impacts from storms and sea level rise to the shoreline vegetation and increase the resiliency of the shoreline. In the time period since the hurricane impacts in 2017 plans were to reclaim and stabilize shoreline using geotextile cloth and quarried stone to be placed on the existing shoreline above the high tide line. The project is protecting the existing trees, re-vegetate where suitable conditions allow using a combination of bioengineering, livable landscape and appropriate plantings in concert with rip rap to restore undercut shorelines from the 2017 hurricanes.

Site Location Map



1.0 Scope of Work

The contractor will supply supervision, equipment, operators, laborers, and materials required for installing geotextile fabric, bioengineering, livable landscaping, and riprap at Plum Orchard shoreline. Refer to Exhibit A.

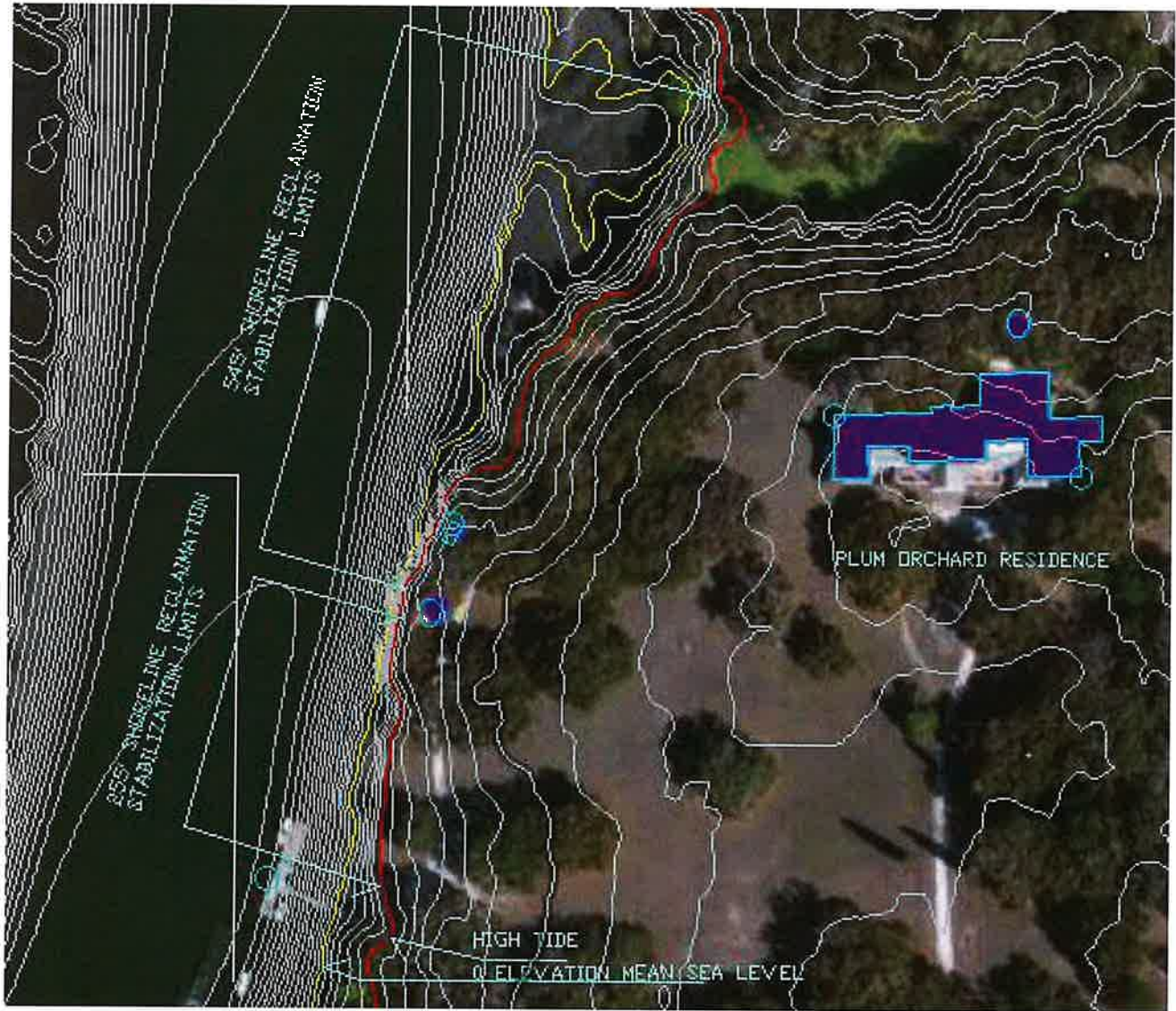


Exhibit A

TASK 1 – Riprap/Geotextile Fabric/Debris

Table 1: Riprap Requirements

Min/Max	Gradation Size (inch)		Percent Passing (by Weight)
	Uniform	Graded	
Min	18*		100
Max	24*		
Min	16*		85
Max	22*		
Min	12*		50
Max	17*		
Min	9	-	15
Max	13	-	
Min	-	1	10
Max	-	6	
Min	8	-	0

Contractor shall provide the recommended maximum and minimum requirements for riprap gradation size and percentage for the shoreline protection shall meet Table 1 requirements. Approximately 300 tons of riprap is required in accordance with Exhibit B. All material and equipment will require barge access. All shoreline work will be staged on the barge. Barge will require a ramp that will allow material and equipment to access shoreline work. All the work must be accomplished during low tide.

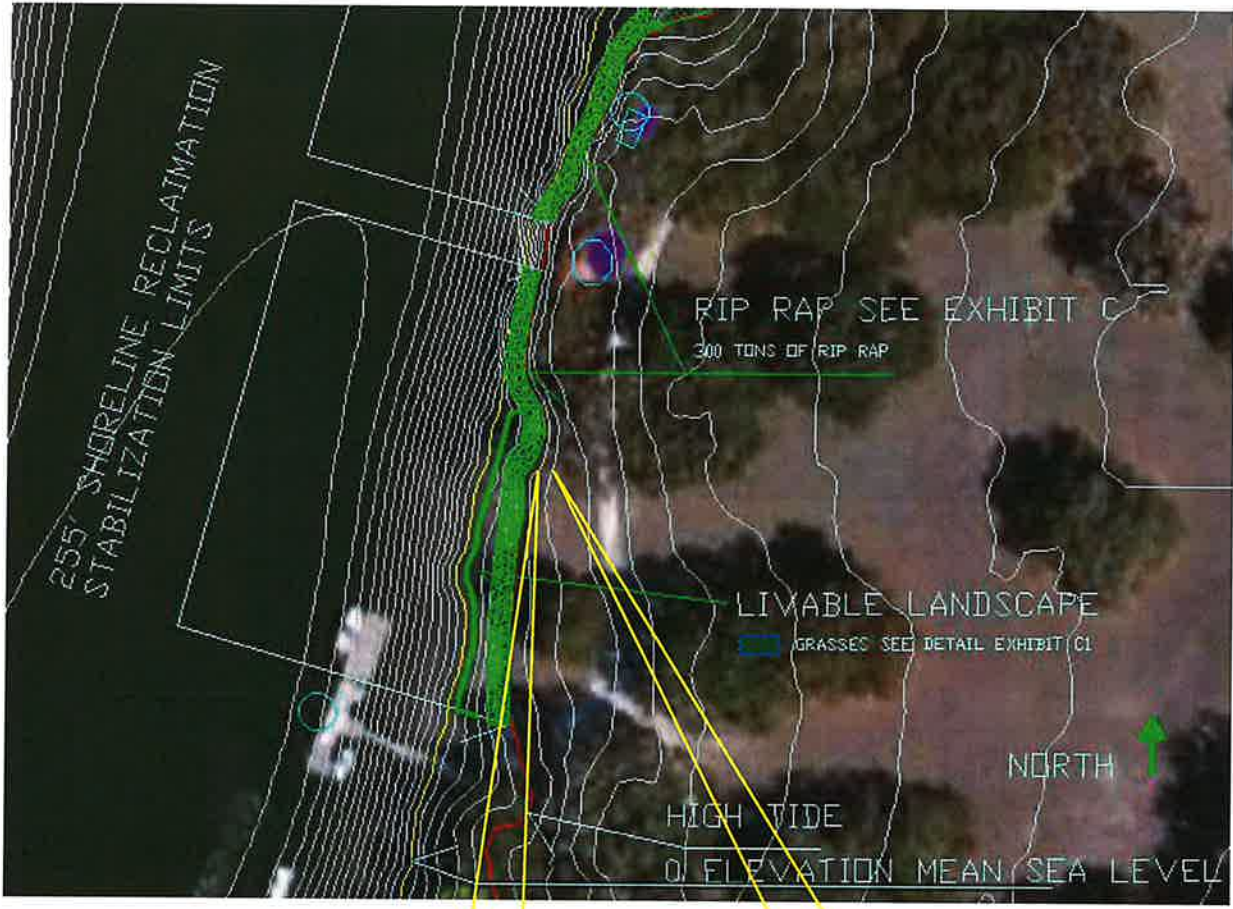
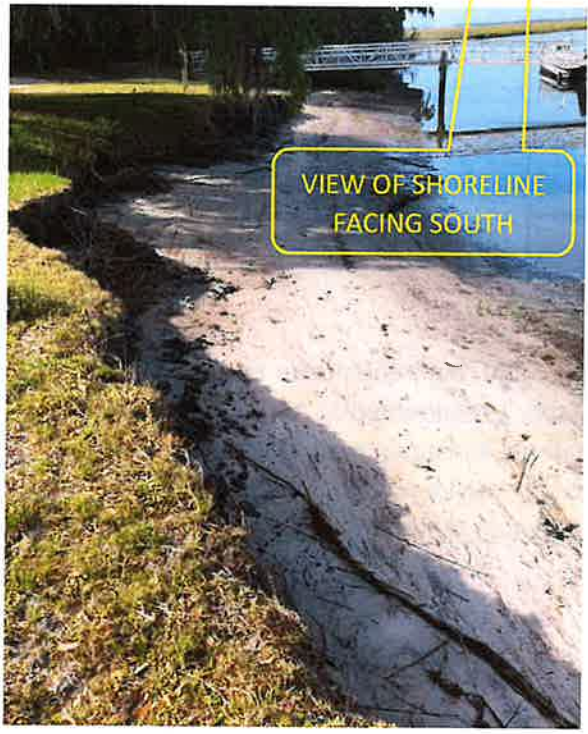
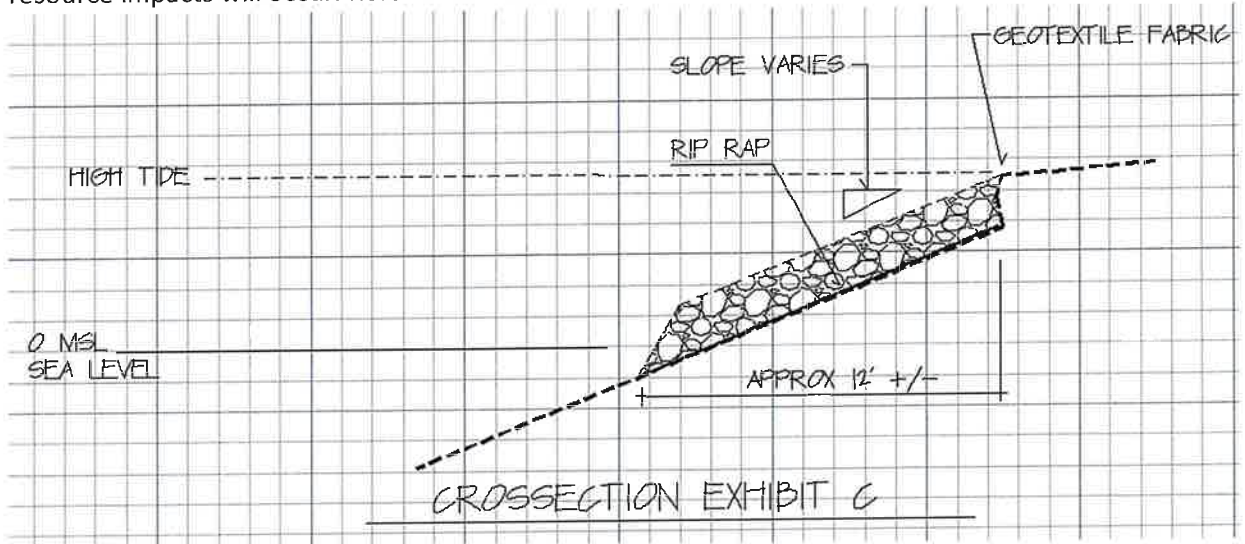


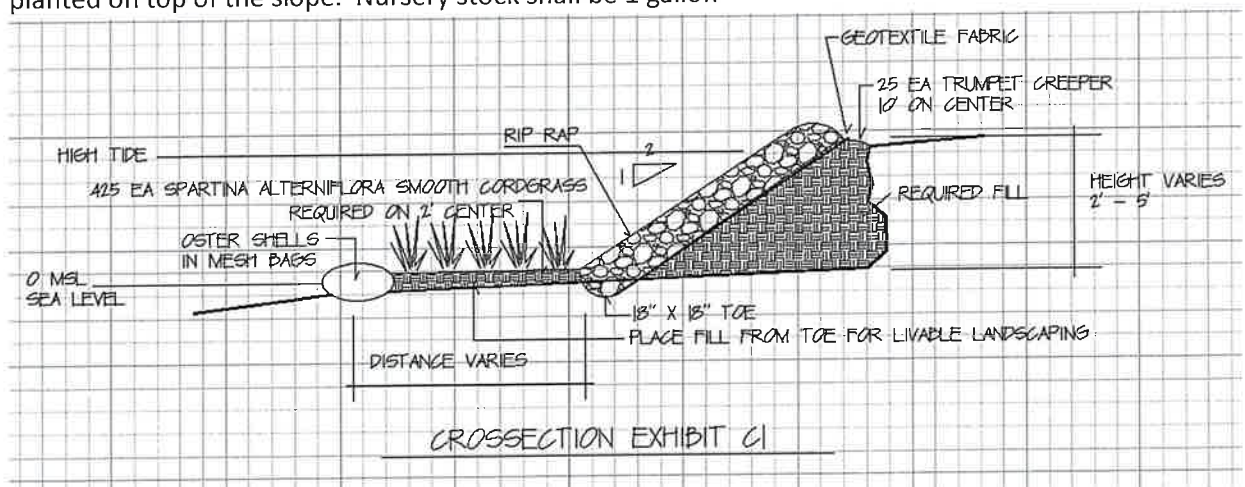
EXHIBIT B



1. The proposed slope of the shoreline stabilization shall be a maximum slope of 2H (Horizontal):1V (Vertical). Contractor shall use appropriate mechanical equipment to place riprap and reduce damage to the existing vegetation and shoreline so minimal natural resource impacts will occur. Refer to Exhibit C.



2. The proposed slope of the shoreline stabilization shall be a maximum slope of 2H (Horizontal):1V (Vertical). Contractor shall use appropriate mechanical equipment to place riprap. Refer to Exhibit C1 and Exhibit B for the Livable Landscape detail. Contractor shall supply oyster shells in mesh bags approximately 3' x 3' x 8" h along the edge of the shore (185' of shoreline). Contractor shall plant 425 each *Spartina Alterniflora* Smooth Cordgrass on 4' center in this area. Grasses shall be sprig plantings and plants shall have sufficient root system to assure success rate of 85%. Trumpet Creeper (25 ea *Campus radicans*) shall be planted on top of the slope. Nursery stock shall be 1 gallon

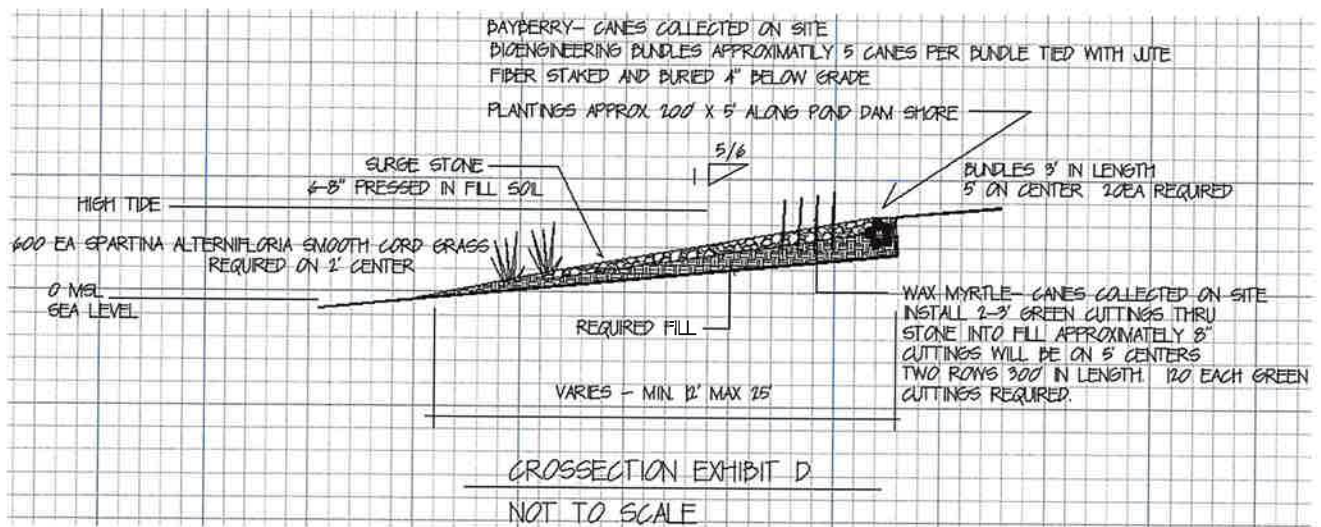


The geotextile fabric layer selected shall have a minimum grasp tensile strength of 370 pounds (lb), and a minimum trapezoidal tear strength of 100 lb. All geotextile fabric will be placed by hand and secured to the shoreline before placing the stones for the riprap layer.

Approximately 5400 square feet of fabric is required.

3. Approximately 460 cu/yds of fill will be required for shoreline reclamation/stabilization project. Source of fill material will be provided by NPS on the Southern portion of the island. Contractor will be responsible for loading and hauling (approximately 7 miles one way) material from the source site.

4. The approximately 400 linear feet of shoreline on the Northern end of the site adjacent to the Plum Orchard Residence shall receive 500 tons of surge stone (3"-8") in size. This area will be covered with 8" of soil and planted with bioengineering for the plants to root in the mix of soil and stone. Plantings will include 600 each bareroot *Spartina Alterniflora* Smooth Cordgrass, 120 each Green Cuttings from Wax Myrtle cuttings from island. Southern Bayberry 20 bundles with 5 canes/bundle to be 3/8" diameter minimum and bundles 3' long. Exhibit D and D1. See Exhibit E for where wax myrtle and bayberry plants can be found on island and used for bioengineering in accordance with exhibit D crosssection.



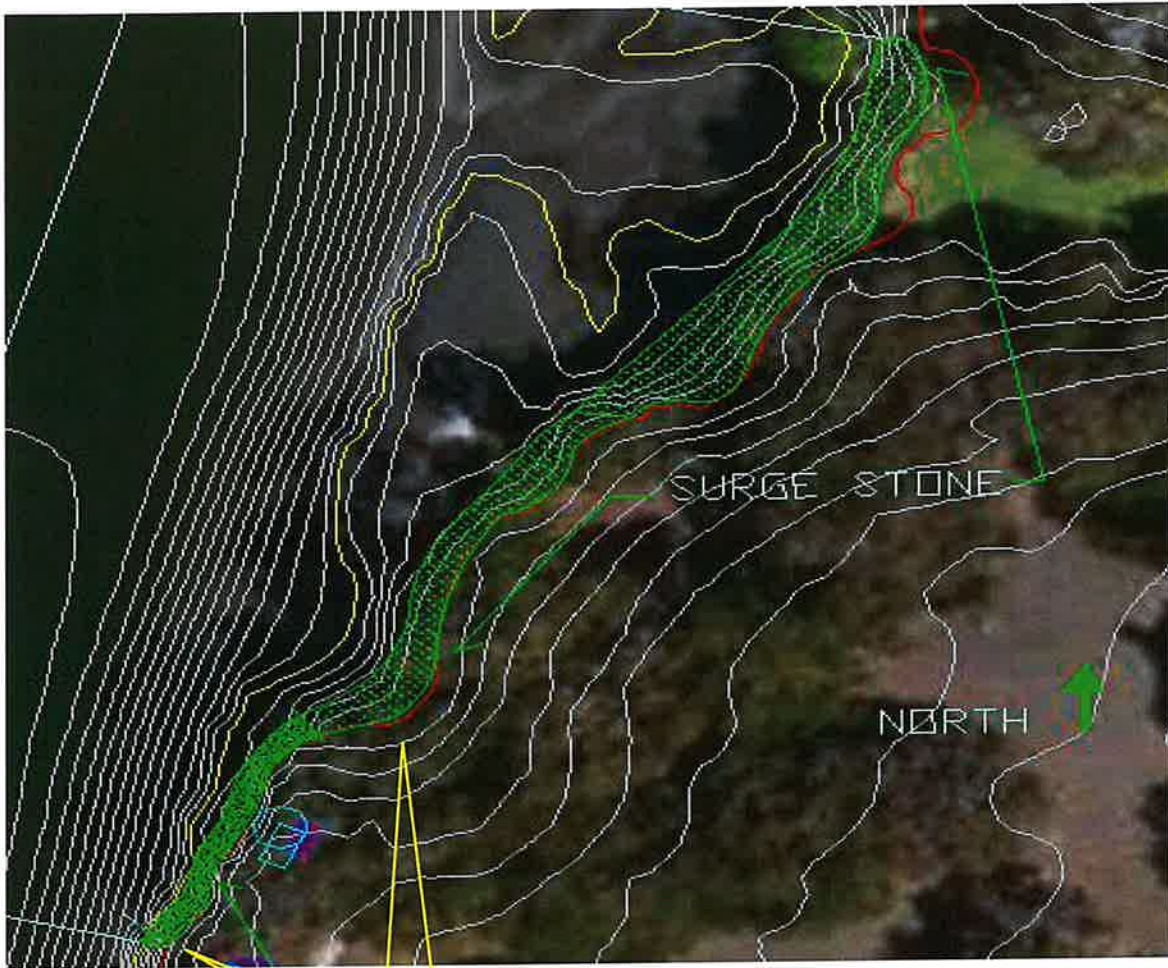


Exhibit D1



2.0 Meetings, Plans and Submittals:

Task 2 - Post Award Meeting/ Deliverables/Submittals/Construction Plan and Limits:

Post Award Meeting

The contractor and all the principal team members shall meet with NPS representatives to clarify tasks, discuss logistics and schedule. Period of performance shall be 120 days after the NTP.

Deliverables/Submittals:

- Project meeting
- Project schedule
- Construction Plan
- Geotextile Fabric submittal
- Plants
- Rip Rap and Surge Stone
- Quality Control Plan
- Designation letter and description of qualifications of Superintendent
- List of Sub-Contractors
- Accident Prevention / Safety Plan
- Coordination Meeting Summary Report
- Contractor Quality Control Daily Reports
- Project schedule updates – Included with monthly invoice submissions
- Submittals Due at Close Out Meeting

Notes for Construction Plan Inclusion:

Contractor shall submit a construction plan which will address the following:

- NPS shall obtain all required environmental permits,
- Mobilize equipment,

- Identify and maintain haul roads and project site as necessary. The road will have to provide access to shoreline for construction. The road will need to be maintained weekly as construction traffic will be damaging to the road. Maintenance shall include filling all potholes, grading and leveling. Contractor shall stay within the boundaries of the existing road and shoulder,
- Complete Stabilization Design Installation Exhibit A-D,
- Receive acceptance of the project by NPS.

Construction Limits

Construction activities will be limited to areas around shoreline.

Shoreline access will be approximately 800 feet long. This access will extend approximately 25 feet in toward the island. Construction activities will extend approximately 25 feet from the top of shoreline toward the water. The shoreline will normally be established as the top erosion point; however, some visual judgment will need to be applied. **The contractor shall delineate and mark the shoreline prior to the start of construction. The park shall approve layout prior to construction.** The contractor shall submit a detailed plan showing limits of the construction activities will be provided to the COR for NPS approval from the contractor.





United States Department of the Interior

NATIONAL PARK SERVICE
Cumberland Island National Seashore
101 Wheeler Street
Saint Marys, Georgia 31558



IN REPLY REFER TO:
1.A.2. (N16 CUIS)

10/14/2022

To: Georgia Department of Natural Resources

From: Gary Ingram, Superintendent, Cumberland Island National Seashore

FEDERAL CONSISTENCY DETERMINATION United States National Park Service – Cumberland Island National Seashore

Shoreline Stabilization at Plum Orchard
Cumberland Island National Seashore
Camden County, GA

The Coastal Zone Management Act of 1972 requires that a Federal agency provide the State of Georgia with a Consistency Determination when a Federal agency proposes any activity inside or outside of the coastal zone that will have any reasonably foreseeable effect on any coastal resource or uses within the coastal zone.

The National Park Service (NPS) is proposing to initiate a project to reduce erosion and stabilize the shoreline, to reduce the risk of impacts from storms and sea level rise to the shoreline vegetation and increase the resiliency of the shoreline at Plum Orchard within Cumberland Island National Seashore (CUIS). Plum Orchard is located on a tidal creek on the lagoon side (backbarrier) of the barrier island (see Figure 1). The coastal area of Georgia that includes Cumberland Island, has experienced several hurricanes in recent years, including Hurricane Irma (2017) and Hurricane Dorian (2019). These storms caused significant damage to the western shoreline of Cumberland Island, including Plum Orchard. This proposed project will protect existing trees, re-vegetate where suitable conditions allow using a combination of bioengineering, livable landscape and appropriate plantings in concert with riprap to restore shorelines undercut by the storms.

The NPS seeks concurrence with the determination that the proposed project (as described below) is consistent to the maximum extent practicable with the enforceable policies of Georgia's approved coastal management program.

Description of the Proposed Project

Cumberland Island National Seashore occupies most of Cumberland Island, the largest and southernmost island in Georgia's barrier island system. It is approximately 17 miles long North to South and remains largely undeveloped. The National Seashore designation preserves 36,415 acres, of which 16,850 are marsh, mud flats, and tidal creeks. The northern portion of the island includes 9,907 acres of Federally designated wilderness and an additional 10,710 acres are classified as potential wilderness. The island is characterized by a great diversity of habitats and ecosystems including ocean and estuary, beaches and dunes, oak and pine forests, and salt marshes and freshwater ponds and wetlands. The aquatic and terrestrial fauna of the island are diverse, with about 300 species of migratory and nesting bird species,

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ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

mammals, more than 50 species of herpetofauna, as well as feral populations of hogs and horses. Extensive *Spartina* marshes and tidal creeks cover the western shoreline, providing highly productive estuarine nursery and feeding grounds for juvenile fish, shrimp, crabs, and other invertebrates. The island also contains rich prehistoric and historic archeological and cultural resources.

The Plum Orchard site is located on the outside bend of the tidal Brickhill River on the backbarrier side of the barrier island. The site contains the mansion built by the Carnegie family, and additional structures including various support buildings, a boat house, dock ruins, a levee or dike used to create a duck pond, and terrapin pen. In 1984 the mansion and associated structures and surrounding grounds were listed on the National Register of Historic Places.

The 1200 feet of shoreline associated with Plum Orchard is naturally vulnerable to erosion due to its location on the outside bend of the Brickhill River. This river is tidal, with strong currents flowing in both directions, and a relatively large tidal range of 6+ feet. In addition, surface runoff from the adjoining landscape contributes significantly to bank erosion. Erosion rates have increased dramatically in the last 30 to 40 years according to quantitative assessments and casual observations. An island-wide assessment of historical shoreline change indicates that prior to 1983 erosion along Plum Orchard was on the order of 0.14-0.17 meters per year. After 1983, erosion rates there increased approximately 400% to an estimated 0.65 meters annually. Within the past several years serious undercutting has taken place along the bank leading to small sinkholes, severe slumping, and rapid, irregular bank loss. The unstable shoreline creates a safety hazard, alters the local natural environment, is an imminent threat to features of the National Register Plum Orchard Historic District, and threatens habitat. The effects of climate change, particularly sea level rise and storm intensity and frequency, will only worsen and accelerate problems along this section of shoreline.

Manmade "improvements" and activities along the shoreline are a key factor in the accelerated erosion. The waterfront at Plum Orchard is an assortment of structures set within the natural configuration of the river bank. These modifications include a 170-foot wooden bulkhead, 200(+) feet of rubble-based riprap, a dock, an unimproved boat ramp, and a 150-foot dike. The bulkhead and riprap were added to protect cultural resources with little regard as to how they would affect the adjacent shoreline that is not hardened. Activities at the dock and boat ramp directly cause erosion. Run-off from a service road and lawns are also contributing to erosion as the water collects and funnels into waterways that spill over and cut the river bank. Subsurface flow in the tidal creek also undermines the bank. The collective result is a highly dysfunctional, unstable shoreline that is putting cultural and natural resources in jeopardy.

To stabilize the shoreline at the Plum Orchard location, approximately 300 tons of rock riprap will be placed along 255 linear feet of the shoreline extending from the Plum Orchard dock northward to the south end of the wooden bulkhead in front of the Octagon shed (see Figure 2). The riprap will extend horizontally about 12 feet from approximately the high tide line down to mean sea level. The shoreline stabilization work will be performed by a selected contractor. All of the shoreline work will be staged from a barge, which will contain a ramp that will allow material and equipment to access shoreline work. All the work will be accomplished during low tide. The proposed slope of the riprap will be a maximum of 2 Horizontal : 1 Vertical (2H:1V). The riprap will be placed by appropriate mechanical equipment to reduce damage to the existing vegetation and shoreline and minimize natural resource impacts. At mean sea level elevation (0 feet), mesh bags measuring 3ft x 3ft x 8 inches high, filled with oyster shells will be placed along 185 ft of the shoreline extending northward from the Plum Orchard dock. The toe of the riprap will extend into the substrate, and the fill from the toe will be placed behind (shoreward of) the oyster bags to provide substrate for *Spartina alterniflora* plants (estimated 425 plants). The fill and *Spartina* plants will form the livable landscape. At the top of the riprap slope, Trumpet Creeper plants

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TENNESSEE, U.S. VIRGIN ISLANDS

will also be planted. See Figure 3 for a cross section of the proposed riprap and livable landscape configuration.

The geotextile fabric underlying the riprap will be placed by hand and secured to the shoreline before placing the stones for the riprap layer. Approximately 5400 square feet of the fabric will be required.

Approximately 460 cu/yds of fill will be required for shoreline reclamation/stabilization project. The source of the fill material will be provided by NPS from the southern portion of the island, but the contractor will be responsible for loading and transporting the material from the source site.

About 500 tons of surge stone, 3 inches by 8 inches in size, will be placed along approximately 400 linear feet of shoreline at the northern end of the site, (see Figure 4). The stone will be mixed into the top portion of an 8 inch soil fill layer covering the area from about the high tide level to mean tide level. Vegetation will then be planted within this area. *Spartina alterniflora* will be planted at lower end of slope near the mean tide level, with wax myrtle and bayberry canes planted along the upper part of slope near the high tide level. The proposed slope of the surge stone and fill mix is 5 or 6 Horizontal : 1 Vertical (5/6H:1V). The width of this surge stone/fill mix along the shoreline will vary from approximately 12 feet to 25 feet. The northernmost end of the stabilization extends to just north of the duck pond dam/levee. The bayberry and wax myrtle canes (cuttings) will be gathered from existing plants on the island. See Figure 5 for a cross section of the proposed surge stone and fill mix, and native plantings of *Spartina* marsh grass, bayberry and wax myrtle.

The construction activities for the proposed project will be limited to areas around the shoreline. Shoreline access will be approximately 800 feet in length.

Compliance and Required State, Federal and Local Permits

NPS will prepare the National Environmental Policy Act document and anticipates that will consist of a Categorical Exclusion. NPS will undertake Section 7 consultation with US Fish and Wildlife Service (USFWS) if appropriate, and anticipates that there are no protected species within the project area and therefore the proposed project will have No Effect on any protected species.

NPS initiated Section 106 consultation with the Georgia State Historic Preservation Office (GA SHPO) in August 2022 for the Plum Orchard shoreline stabilization project, and provided the project Scope of Work and preliminary archeological surveys of the Plum Orchard landscape that identify cultural resource types and integrity. The park believes the project will have a No Adverse Effect on existing resources.

The project work for the shoreline stabilization will occur between the high tide level and mean sea level. These areas are within NPS defined wetlands and defined floodplain areas. However, the project work is determined to be exempt from compliance with Director's Order #77-2 (Floodplains) and Director's Order #77-1 (Wetlands), and no Floodplain Statement of Findings or Wetland Statement of Findings will be required.

The shoreline stabilization project work is considered to be within jurisdictional wetlands as defined by the state of Georgia. NPS is applying for a Coastal Marshlands Protection Act Permit from Georgia DNR, Coastal Resources Division. NPS will obtain, and/or work with the selected Contractor to ensure that any other required federal and state permits are obtained as needed. All consultations and permitting will be completed prior to the start of construction activity.

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ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

The NPS has determined that the Plum Orchard shoreline stabilization within Cumberland Island National Seashore is consistent to the maximum extent practicable with the enforceable policies of Georgia's approved coastal management program.

Relevant Enforceable Policies

Coastal Marshlands Protection Act – O.C.G.A. 12-5-280

“The Coastal Marshlands Protection Act provides the Coastal Resources Division with the authority to protect tidal wetlands...Erecting structures, dredging, or filling marsh areas requires a Marsh Permit administered through the Coastal Management Program. In cases where the proposed activity involves construction on State-owned tidal water bottoms, a Revocable License issued by the Coastal Resources Division may also be required...The jurisdiction of the Coastal Marshlands Protection Act extends to “coastal marshlands” or “marshlands”, which includes marshland, intertidal area, mudflats, tidal water bottoms, and salt marsh area within estuarine area of the state...”

Construction for the proposed project would occur along the shoreline of the tidal Brickhill River at the Plum Orchard Historic District on the backbarrier side of Cumberland Island and will not impact tidal water bottoms below the mean sea level. The shoreline stabilization project work will occur between the high tide level and mean sea level. These areas are within NPS defined wetlands and defined floodplain areas, and within jurisdictional wetlands as defined by the state of Georgia. The Plum Orchard shoreline is already a manipulated area, with an assortment of structures set along the river bank, including a wooden bulkhead, some rubble-based riprap, a dock, an unimproved boat ramp and a 150-foot dike. These manmade “improvements” have been a factor in accelerated erosion observed at Plum Orchard. A service road and manicured lawns contribute to erosion as the water collects and funnels into waterways that spill over and cut the riverbank. Subsurface flow in the tidal creek also undermines the bank. The collective result is a highly dysfunctional, unstable shoreline that is putting cultural and natural resources in jeopardy. All shoreline work for the riprap section will be staged from a barge, which will contain a ramp that will allow material and equipment to access shoreline work. All the work will be accomplished during low tide. Appropriate mechanical equipment will be used to place the riprap and reduce damage to the existing vegetation and shoreline so minimal natural resource impacts will occur. In combination with the riprap, a living shoreline (livable landscape) consisting of bags filled with oyster shells and some fill material planted with native *Spartina* marsh grass will be installed along the base of the riprap at the mean sea level. The northern section of the Plum Orchard shoreline will also be stabilized with a combination of surge stone mixed with soil and planted with native vegetation consisting of *Spartina* marsh grass bayberry, and wax myrtle. Best management practices will be employed during construction activities to avoid erosion and sediment runoff and involve the use of native vegetation to avoid the introduction or spread of non-native species. Once completed, the shoreline stabilization will re-establish native vegetation along the eroded shoreline and provide protection to important cultural resources located within the Plum Orchard Historic District. The shoreline stabilization structures will not interfere with tidal water flow. The values and functions of coastal waters and natural habitats will not be impaired. The project work is determined to be exempt from compliance with NPS Director's Order #77-2 (Floodplains) and Director's Order #77-1 (Wetlands), and no Floodplain Statement of Findings or Wetland Statement of Findings will be required. NPS will work with GA DNR Coastal Resources Division to obtain a Coastal Marshlands Protection Act Permit for the proposed project. All permitting will be completed prior to the start of construction activity.

Endangered Wildlife Act – O.C.G.A. 27-3-130

“The Endangered Wildlife Act provides for identification, inventory, and protection of animal species that are rare, unusual, or in danger of extinction....Projects permitted under the authority of the Coastal

INTERIOR REGION 2 • SOUTH ATLANTIC-GULF

ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

Marshlands Protection Act, the Shore Protection Act, and Revocable License require full compliance with the protection of endangered and protected species.”

NPS will undertake Section 7 consultation with US Fish and Wildlife Service (USFWS) if appropriate. NPS will consult with the U.S. Fish and Wildlife Service Environmental Conservation Online System (ECOS) Information for Planning and Consultation (IPaC) project planning tool for any Federal or State listed species that may occur within the boundaries of the proposed project and/or may be affected by the proposed project. Any species of concern for the state of Georgia that may potentially be present near the project site will also be verified. Measures will be implemented to minimize the potential for impacts to any endangered wildlife and species of concern that may potentially be present near the project site. NPS anticipates that there are no protected species within the project area and therefore the proposed project will have No Effect on any protected species.

Georgia Erosion and Sedimentation Act – O.C.G.A. 12-7-1

“One provision of the Erosion and Sedimentation Act requires that land-disturbing activities shall not be conducted within 25 feet of the banks of any State waters unless a variance is granted (O.C.G.A. 12-7-6 (15)).”

The proposed project to reduce erosion and stabilize the shoreline at Plum Orchard will potentially disturb land within 25 feet of the banks of the tidal Brickhill River. However, this activity must be conducted along the river bank. Shoreline access for the project work will extend approximately 800 feet along the shoreline and 25 feet inland from the shoreline. The Plum Orchard shoreline is already a manipulated area, with an assortment of structures along the river bank, including a wooden bulkhead, some rubble-based riprap, a dock, an unimproved boat ramp and a 150-foot dike. Disturbance of the shoreline area during project construction should be minimal, as all shoreline work for the riprap section will be staged from a barge and utilize a ramp that will allow material and equipment to access shoreline work. All of the work will be accomplished during low tide. Appropriate mechanical equipment will be used to place the riprap and reduce damage to the existing vegetation and shoreline so minimal natural resource impacts will occur. In combination with the riprap, a living shoreline (livable landscape) consisting of bags filled with oyster shells and some fill material planted with native *Spartina* marsh grass will be installed along the base of the riprap at the mean tide level. Along approximately 400 linear feet of shoreline at the northern end of the site, surge stone will be mixed into the top portion of an 8 inch soil fill layer covering the area between high tide level and mean sea level. Native vegetation will be planted on this fill. The riprap, fill and planted vegetation will be placed over the existing unstable eroded slope and provide protection against further erosion. If needed, a variance for the activities would be obtained prior to the start of the construction for the shoreline stabilization.

Georgia Water Quality Control Act – O.C.G.A. 12-5-20

“The Act makes it unlawful for any person to dispose of sewage, industrial wastes, or other wastes, or to withdraw, divert, or impound any surface waters of the State without a permit.”

No sewage, industrial or other waste will be disposed of in surface waters, and no surface waters will be withdrawn, diverted or impounded during or after the stabilization of the Plum Orchard shoreline. During construction, appropriate erosion and sediment control measures will be used to control erosion and prevent sediment runoff into the Brickhill River adjacent to the project area.

Historic Areas - O.C.G.A. 12-3-50

“The authority found at O.C.G.A. 12-3-50 provides the Department of Natural Resources with the powers and duties to "promote and increase knowledge and understanding of the history of this State from the

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ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

earliest times to the present, including the archeological, Indian, Spanish, colonial, and American eras, by adopting and executing general plans, methods, and policies for permanently preserving and marking objects, sites, areas, structures, and ruins of historic or legendary significance, such as trails, post roads, highways, or railroads; Such preservation and marking may include the construction of signs, pointers, markers, monuments, temples, and museums,..."

The Plum Orchard site contains the mansion built by the Carnegie family, and additional structures including various support buildings, a boat house, dock ruins, a levee or dike used to create a duck pond, and terrapin pen. In 1984 the mansion and associated structures and surrounding grounds were listed on the National Register of Historic Places. The 1200 feet of shoreline associated with Plum Orchard is naturally vulnerable to erosion due to its location on the outside bend of the Brickhill River with its strong currents. Erosion rates have increased dramatically in the last 30 to 40 years according to quantitative assessments and casual observations. Within the past several years serious undercutting has taken place along the bank leading to small sinkholes, severe slumping, and rapid, irregular bank loss. Previous manmade "improvements" to the shoreline, including a wooden bulkhead, some rubble-based riprap, and a dock, have also been a factor in accelerated erosion observed at Plum Orchard. The unstable shoreline creates a safety hazard, alters the local natural environment, threatens habitat, and is an imminent threat to features of the National Register Plum Orchard Historic District. Once completed, the proposed shoreline stabilization project will use a combination of bioengineering, livable landscape and appropriate plantings in concert with riprap to provide protection to important cultural resources located within the Plum Orchard Historic District. The project will reduce shoreline erosion and stabilize this area, reduce the risk of impacts from future storms and sea level rise and increase the resiliency of the shoreline.

Revocable License Program - O.C.G.A. 50-16-61

"Under this authority, the Department of Natural Resources, Coastal Resources Division issues Revocable Licenses for recreational docks on State-owned tidal water bottoms."

NPS will obtain, and/or work with the selected Contractor for the project to ensure that all required federal and state permits are obtained, including the Revocable License if required. Permitting will be completed prior to the start of construction activity.

Right of Passage – O.C.G.A.52-1-30 and Protection of Tidewaters – O.C.G.A. 52-1-1

"The Right of Passage Act declares the right of use of all navigable waterways of the state by all citizens of Georgia." "The Protection of Tidewaters Act establishes the State of Georgia as the owner of the beds of all tidewaters within the State, except where title by a private party can be traced to a valid British Crown or State land Grant". Both Acts provide the Department of Natural Resources the authority to remove "structures" that are capable of habitation, or incapable of or not used for transportation.

The Plum Orchard shoreline stabilization project work will occur only along the slopes of the Brickhill River extending from approximately the mean sea level up to above the high tide level. The shoreline stabilization work for placement of riprap will be staged from a barge close to the river shoreline, which will utilize a ramp to allow material and equipment to access shoreline work. However, the barge will not impede any use of the navigable waterway. No habitable structures will be built or located within or along the river as part of the shoreline stabilization. The project will require a Coastal Marshlands Protection Act Permit, and NPS is preparing the application for the Permit.

River Corridor Protection – O.C.G.A. 12-2-1

"Some of the major provisions of the Act include: requirements for a 100-foot vegetative buffer on both sides of rivers; consistency with the Georgia Erosion and Sedimentation Act..."

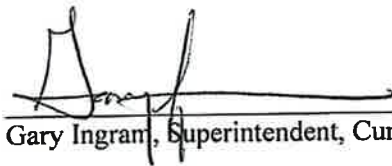
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ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

The proposed project to stabilize the shoreline within the Plum Orchard Historic District requires construction along the shoreline, within the 100-foot buffer, due to the nature of the project. The Plum Orchard shoreline is already developed, with an assortment of structures along the river bank including a wooden bulkhead, rubble based riprap, a dock an unimproved boat ramp and a 150-foot dike. A service road and manicured lawns are also located within the Plum Orchard Historic District. Disturbance of the shoreline during construction should be minimal, as the construction work for the riprap section will be staged from a barge, which will contain a ramp that will allow material and equipment to access the shoreline work. All of the work will be accomplished during low tide. Appropriate mechanical equipment will be used to place the riprap and reduce damage to the existing vegetation and shoreline so minimal natural resource impacts will occur. A living shoreline consisting of bags filled with oyster shells and some fill material planted with native *Spartina* marsh grass will the installed along the base of the riprap at the mean tide level. The northern section of the Plum Orchard shoreline will be stabilized with surge stone mixed into a soil fill layer covering the area between high tide level and mean tide level. Native vegetation including *Spartina* marsh grass, bayberry sprigs and wax myrtle will be planted on this fill. The riprap, fill and planted vegetation will be placed over the existing unstable eroded slope and provide protection against further erosion. Best management practices will be employed during construction activities to avoid erosion and minimize sediment runoff. Once completed, the shoreline stabilization will restore native vegetation along the eroded shoreline and provide protection to important resources located within the Plum Orchard Historic District. The proposed shoreline stabilization action is consistent with the Georgia Erosion and Sedimentation Act.

Conclusion

The proposed stabilization of the Plum Orchard shoreline along the tidal Brickhill River within Cumberland Island National Seashore would have reasonable foreseeable impacts on coastal resources and uses within the project area. The proposed project could have localized, minor impacts on coastal resources within the existing previously disturbed project area. However, the proposed project would have beneficial impacts to coastal resources by restoring native vegetation along the eroded shoreline and providing protection to important cultural resources located within the Plum Orchard Historic District. The project will also reduce the risk of impacts from storms and sea level rise to the shoreline vegetation and increase the resiliency of the shoreline. In accordance with Section 307(c)(1) of the Federal Coastal Zone Management Act of 1972, as amended, the NPS has determined that the Plum Orchard shoreline stabilization action is consistent to the maximum extent practicable with the enforceable policies of Georgia's approved coastal management program. This determination is based on the review of the proposed project's conformance with the enforceable policies of the State's coastal program.



Gary Ingram, Superintendent, Cumberland Island National Seashore

20 October 2022
Date

INTERIOR REGION 2 • SOUTH ATLANTIC-GULF

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TENNESSEE, U.S. VIRGIN ISLANDS

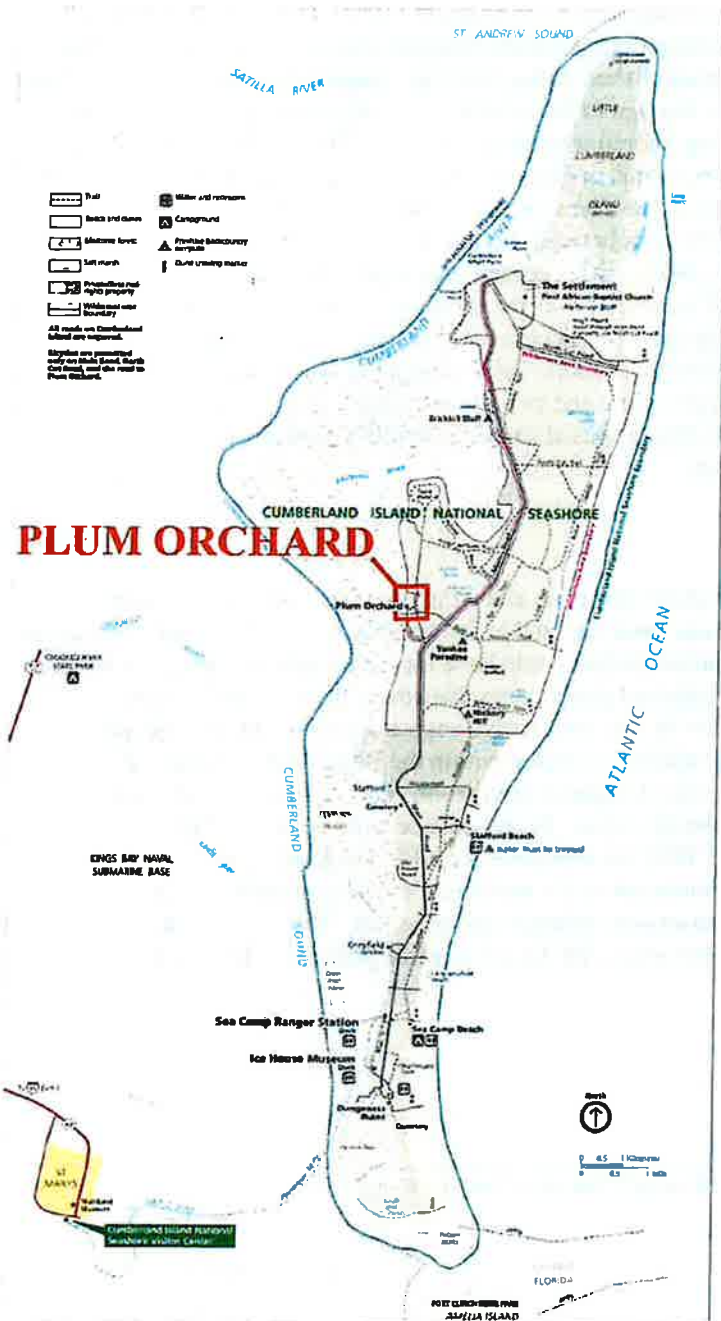


Figure 1. Location of Plum Orchard along the Brickhill River on the lagoon or backbarrier side of Cumberland Island within Cumberland Island National Seashore.

INTERIOR REGION 2 • SOUTH ATLANTIC-GULF

ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, U.S. VIRGIN ISLANDS

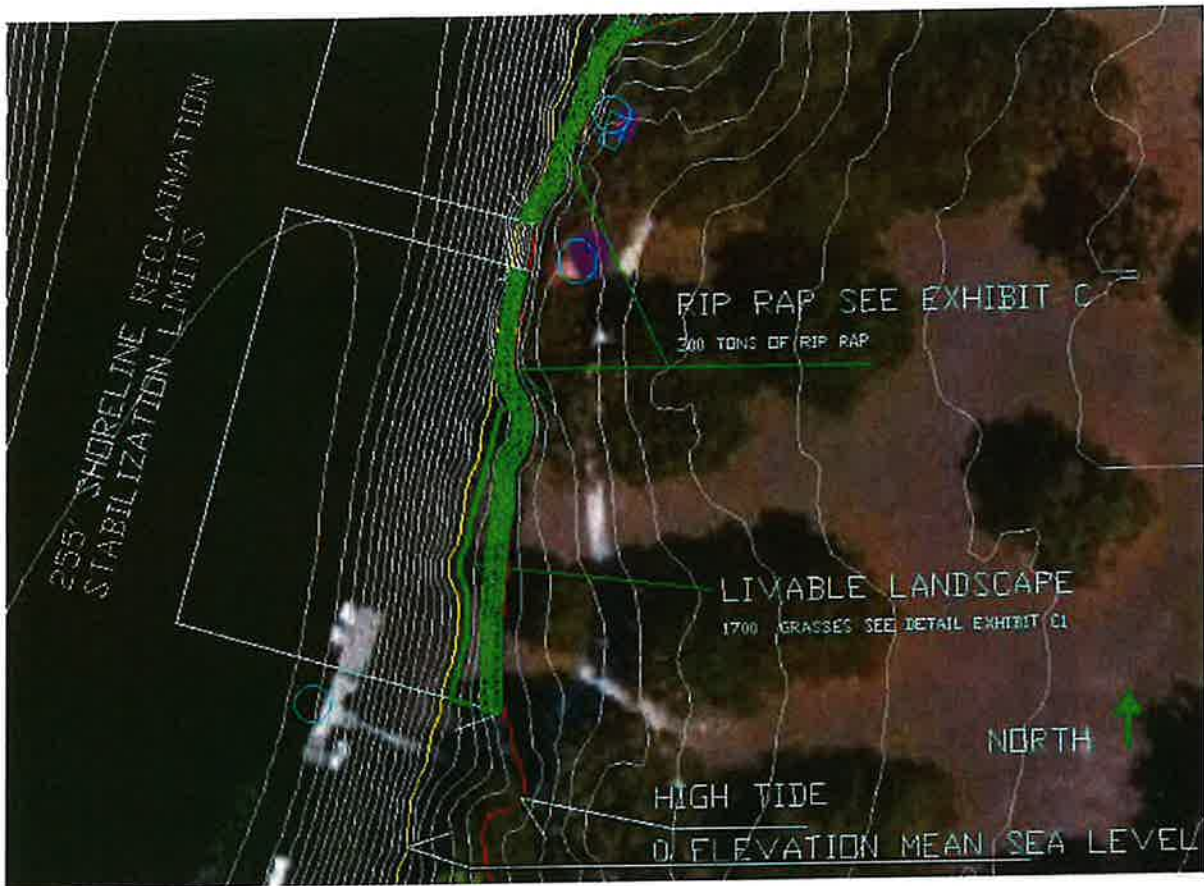
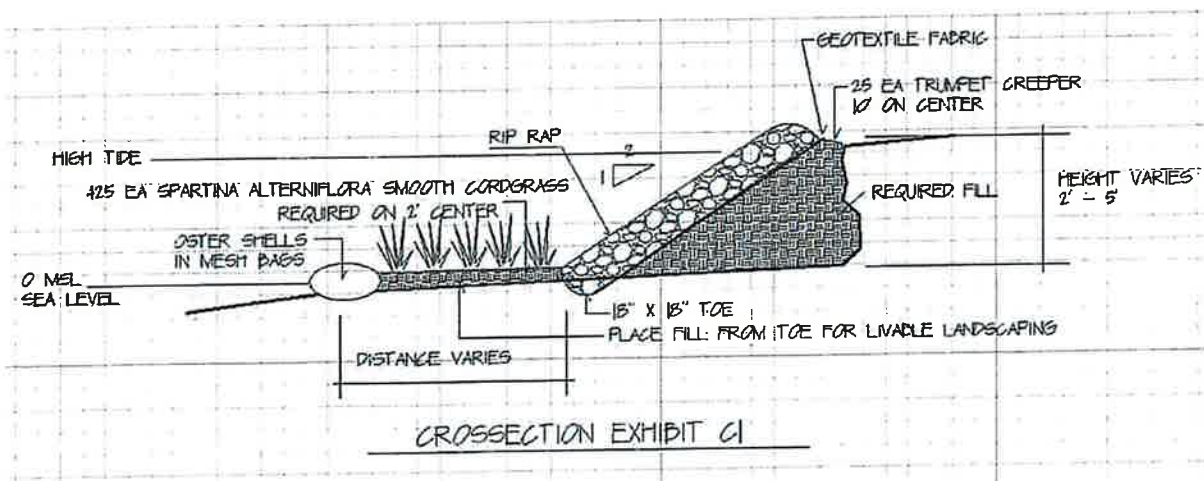


Figure 2. Location of proposed rock riprap along 255 linear feet of the shoreline extending from the Plum Orchard dock northward to the south end of the wooden bulkhead in front of the Octagon shed.



INTERIOR REGION 2 • SOUTH ATLANTIC-GULF

ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

Figure 3. Cross section example of the proposed shoreline stabilization along the southern section of the Plum Orchard shoreline. The configuration of the proposed riprap and livable landscape consisting of oyster bags and planted *Spartina* marsh grass is shown.

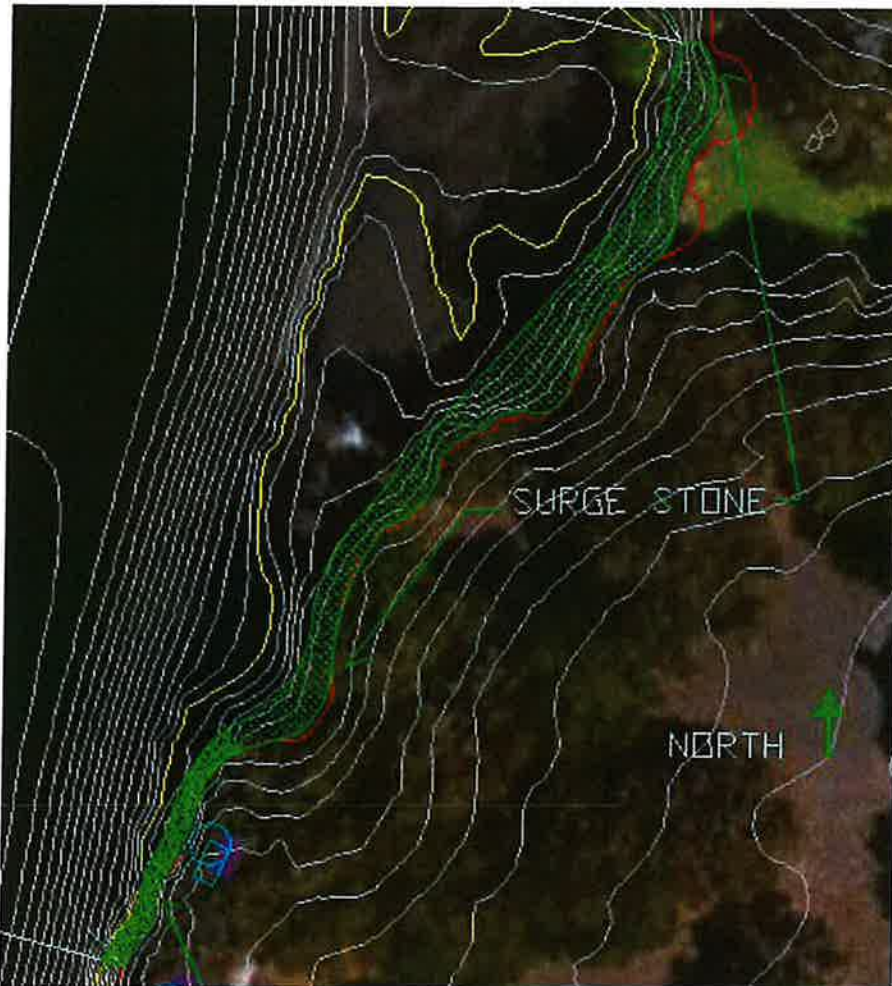


Figure 4. Location of proposed surge stone and soil mixture along approximately 400 linear feet of the northern section of the Plum Orchard shoreline.

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ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
TENNESSEE, U.S. VIRGIN ISLANDS

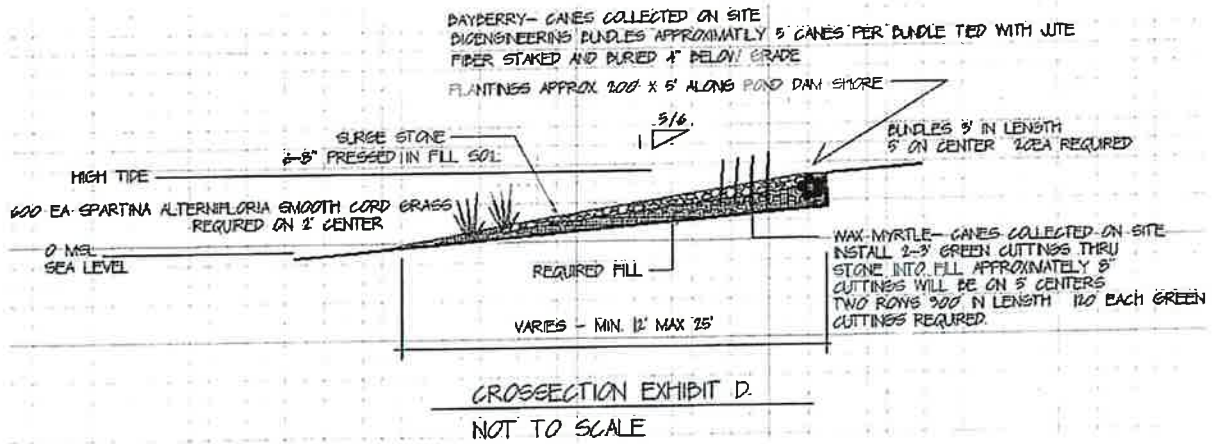
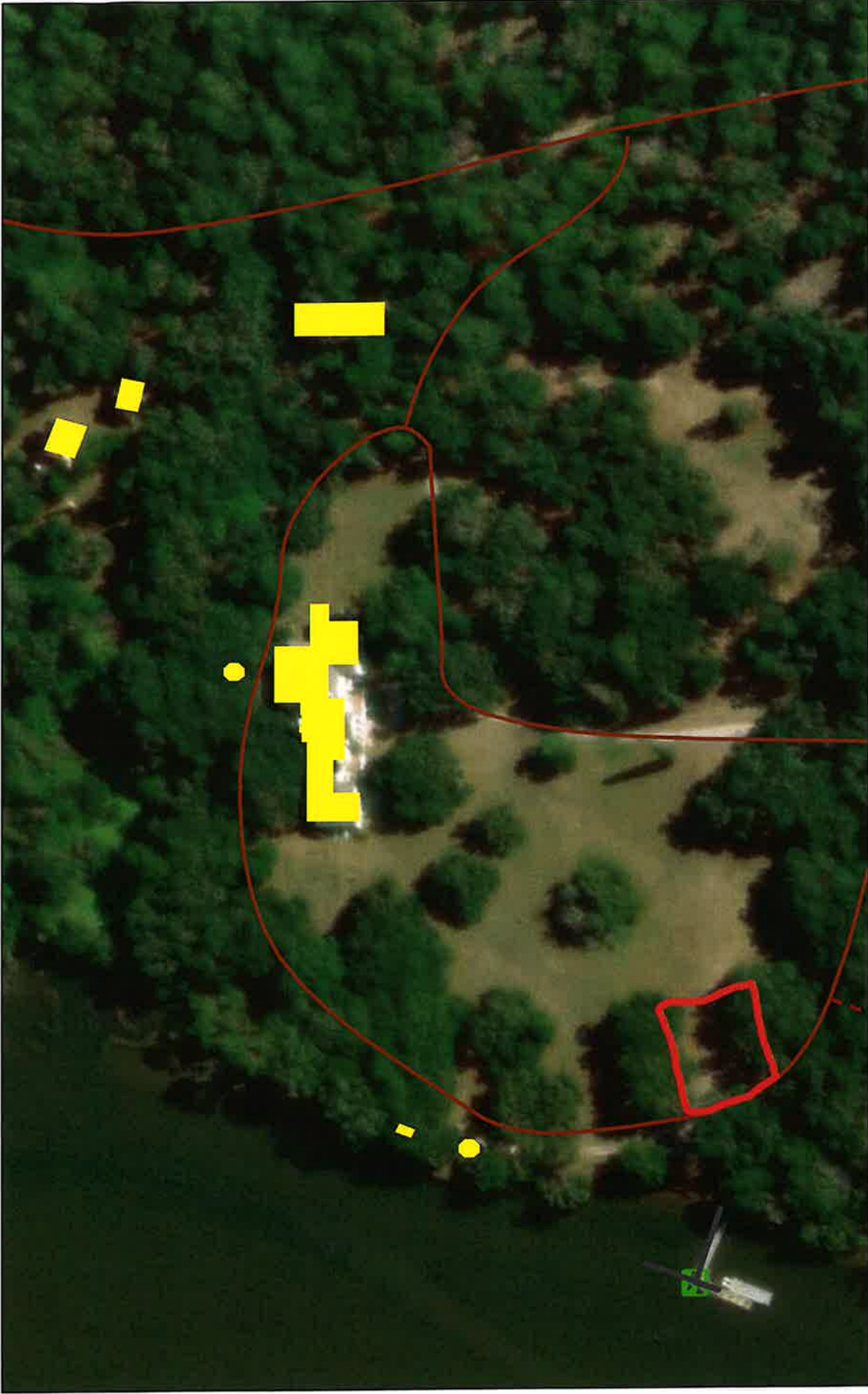


Figure 5. Cross section example of the proposed shoreline stabilization along the northern section of the Plum Orchard shoreline. The configuration of the proposed surge stone and fill, and plantings of native *Spartina* marsh grass, bayberry and wax myrtle are shown.

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ALABAMA, FLORIDA, GEORGIA, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,
 TENNESSEE, U.S. VIRGIN ISLANDS

Plum Shoreline Laydown



October 21, 2022

1:2,257

0 0.01 0.03 0.06 mi

0 0.03 0.05 0.1 km

Maxar, Microsoft, Esri Community Maps Contributors, FDEP, ©
OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

State of GEORGIACounty of CAMDENGIFT DEED

This indenture, made this _____ day of October, 1970, between Thomas M. C. Johnston, Jr., & Mireille Johnston, his wife, of New York, New York, & Margaret J. Richards & Kenneth Richards, her husband, of Juneau, Alaska, & Nancy J. Butler & Landon Butler, her husband, of Hilton Head Island, South Carolina, hereinafter referred to as Donors, and the National Park Foundation, a non-profit corporation organized pursuant to an Act of Congress approved December 18, 1967 (81 Stat. 656) and its assigns, hereinafter referred to as the Donee:

WITNESSETH

That for value received, and in consideration of the promise of Donee to administer a fund to which the Donors shall contribute the sum of \$10,000, said fund to provide for the maintenance of the lands and improvements conveyed herein, the Donor hereby grants and conveys unto the Donee and its assigns all the following described premises:

The Donors undivided one-fifth (1/5) interest in a portion of Tract 3-N, Cumberland Island (sometimes called the Island of Great Cumberland), Camden County, Georgia, said Tract 3-N is shown and delineated on Watts Engineering Co. map of Cumberland Island, dated 1 November 1946, as revised, January, 1965, and recorded in Book 3 of Plats, page 118, Camden County Records, which portion of Tract 3-N is more particularly described as follows:

Beginning at a point where the high water mark (line) of Cumberland Sound (Brick Kiln River) intersects with the south fence line of the Plum Orchard Compound, said point being located adjacent to the cattle loading pens; Thence running along the said south fence line in an easterly direction approximately 850 feet, more or less, to a point where the east fence line of the Plum Orchard Compound intersects the south fence line; Thence northerly along the east fence line, or where no fence exists, along a line drawn projecting said east fence line in a northerly direction, a distance of approximately 600 feet, more or less to a point which marks the intersection of the (extended) east line with the south line of a retained use area selected by Nancy J. Butler in a warranty deed dated October ____, 1970 and recorded in Book ____, page ____, Camden County records, said selected area being designated Parcel "C" on the Survey Plat prepared by Robert M. Angus & Associates, dated July 6, 1970, said survey plat being designated Exhibit "B" and by reference made a part of the above-mentioned warranty deed; Thence westerly along the aforementioned south line of said Parcel "C", and a continued westerly projection of said south line of Parcel "C", to a point marking the intersection of said projected line with the high water mark (line) of Cumberland Sound (Brick Kiln River); Thence southerly along said high water mark to the point of beginning; containing approximately 12 acres, more or less.

Together with all and singular the rights, title, and interest of Donors in and to any streams, alleys, roads, streets, ways, strips, gores, or railroad rights-of-way abutting or adjoining said land, and all privileges and appurtenances to said property, reversions, issues and profits thereof and of every part thereof, except as herein-after provided.

To have and hold said property, and all and singular said rights and privileges, unto the Donee, in fee simple

Signed, Sealed and Delivered

In the presence of

Lydia R. Robinson
Witness

Nancy Johnston Butler
Nancy Johnston Butler

Landon Butler
Landon Butler, her husband

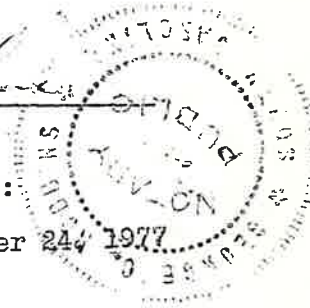
State of South Carolina
County of Beaufort ss:

Subscribed and sworn to before me this 9th day of
October, 1970.

George C. Robinson
Notary Public

[SEAL]

My commission expires:
My commission expires October 24, 1977



Signed, Sealed and Delivered

In the presence of

Carotta D. [Signature]
Witness

Thomas M. C. Johnston, Jr.
Thomas M. C. Johnston, Jr.

Mireille Johnston
Mireille Johnston, his wife

State of *New York* ss:

County of *New York*

Subscribed and sworn to before me this *9th* day of
October, 1970.



[SEAL]

Eileen E. O'Connell
Notary Public

My commission expires:
EILEEN E. O'CONNELL
Notary Public, State of New York
No. 41-2931925 - Qualified in Queens Co.
Certificate Filed in New York County
Commission Expires March 30, 1971

Signed, Sealed and Delivered

In the presence of

[Signature]
Witness

Margaret Johnston Richards
Margaret Johnston Richards

Kenneth Richards
Kenneth Richards, her husband

State of NEW MEXICO ss:
County of SANTA FE

Subscribed and sworn to before me this 13th day of
October, 1970.

My Commission Expires:
September 4, 1973

[SEAL]

[Signature]
Notary Public

My commission expires:

RECORDED OCT 21 1970

DEPUTY CLERK SUPERIOR COURT, CAMDEN COUNTY, GEORGIA

[Signature]

**Georgia, Camden County
Clerk's Office, Superior Court**

I hereby certify that the within instrument

was filed for record at 3 o'clock P.M.

this 16 day of October, 1970

and recorded in Record Book

97 Folio 213-217

this 21 day of October, 1970

Shella Lewis
Deputy Clerk

paid

State of GEORGIA
County of CAMDEN

GIFT OF MONEY

Know all men by these presents, that in consideration of our desire to aid in the establishment of a National Seashore project on Cumberland Island, Georgia, and the love and affection we bear the island and our property, known as Plum Orchard, we hereby give the sum of Ten Thousand & no/100 (\$10,000.00) Dollars to the National Park Foundation, a non-profit charitable corporation, duly organized pursuant to an Act of Congress, approved December 18, 1967 (81 Stat. 656) and its assigns, said monies to be used as a fund to be devoted exclusively to the maintenance and protection, including employment of a permanent resident caretaker, of the lands and improvements comprising the Plum Orchard House and grounds, said lands and improvements having been donated to the National Park Foundation by Donation Deed dated October ____, 1970, and recorded in Realty Book ____, pages ____, Camden County Records, Georgia, said maintenance and protection to continue during the period the real property so donated is held by the Donee. (The intention being that the National Park Service will assume the basic responsibility of maintenance and protection at such time as the Donee transfers title to the property to the United States for incorporation in a National recreation area.)

At such time as the above-described lands and improvements are conveyed to the United States, the residue of this and other donations for maintenance, if any, shall be used for any restoration or maintenance required on the Plum Orchard House to insure its structural integrity and use in furtherance of recreational and conservation purposes.

In the event of the accidental destruction of Plum Orchard Manor to an extent which would preclude restoration, the funds donated hereunder shall be used to restore and maintain the historical buildings and sites on Tract 5-S, said Tract being shown on and delineated on the aforementioned Watts Engineering Company map of Cumberland Island.

The funds so donated may be combined with other funds contributed for maintenance of the same lands and interests, but shall be kept separate from all other funds held by the Donee. No part of the funds may be used for administrative expenses (overhead) of the Donee nor shall the fund so established be liable for debts, defaults, or obligations of the Donee other than directly related to maintenance of the aforesaid property.

The funds so donated may be invested by the Donee in accordance with the limitations imposed upon investments by the Donee by Congress. Income or interest derived from the investments shall be used in accordance with the other provisions of this gift.

In witness whereof, the Donors cause these presents by their hands to be executed and sealed this _____ day of _____, 1970.

Signed, Sealed and Delivered

In the presence of

WITNESSES:

Carletta D. West
Witness

Thomas M. C. Johnston, Jr. (SEAL)
Thomas M. C. Johnston, Jr., &

Carletta D. West
Witness

Mireille Johnston (SEAL)
Mireille Johnston, his wife

Francis D. Markew
Witness

Margaret J. Richards (SEAL)
Margaret J. Richards, &

Francis D. Markew
Witness

Kenneth J. Richards (SEAL)
Kenneth Richards, her husband

Nancy J. Butler
Witness

Nancy J. Butler (SEAL)
Nancy J. Butler, &

Landon Butler
Witness

Landon Butler (SEAL)
Landon Butler, her husband

ACKNOWLEDGMENTS

State of New York
County of New York : ss.

On this 28th day of September, 1970, before me personally came Thomas M. C. Johnston, Jr. and Mireille Johnston, his wife, to me personally known and known to me to be the persons described in and who executed the foregoing instrument and severally acknowledged that they executed the same.

Eileen E. O'Connell
Notary Public
EILEEN E. O'CONNELL
Notary Public, State of New York
No. 41-2931925 - Qualified in Queens Co.
Certificate Filed in New York County
Commission Expires March 30, 1974

State of Alaska
City and Borough of Juneau, Alaska : ss.

On this 1 day of Oct., 1970, before me personally came Margaret J. Richards and Kenneth Richards, her husband, to me personally known and known to me to be the persons described in and who executed the foregoing instrument and severally acknowledged that they executed the same.

Robert W. Loescher
Notary Public 6-27-73

State of South Carolina
County of Beaufort : ss.

On this 5th day of October, 1970, before me personally came Nancy J. Butler and Landon Butler, her husband, to me personally known and known to me to be the persons described in and who executed the foregoing instrument and severally acknowledged that they executed the same.

George C. Robbins
Notary Public



City of St. Marys
Community Development

418 Osborne Street
St. Marys, Georgia 31558
(912) 510-4032

May 31, 2024

Mr. Michael Seibert
Chief of Resources
Cumberland Island National Seashore
P.O. Box 806
St. Marys, GA. 31558

Re: Zoning Certification for – Cumberland Island National Seashore – Living Shoreline – Plum Orchard

Dear Mr. Seibert,

I hereby submit to you this letter to convey our review and approval of the “Statement of Work” in relation to your Coastal Marshlands Protection Act (CMPA) permit application for the shoreline stabilization project at Plum Orchard. I have attached herein a signed copy of the plans we have reviewed.

The City of St. Marys Zoning Ordinance does not preclude the proposed activity.

Sincerely,

Jaime Stein, AICP
Community Development Director
Jaime.stein@stmarysga.gov

Attachment: Statement of Work for Shoreline Stabilization - Signed

CC: Robert Horton, City Manager

Statement of Work
For
Shoreline Stabilization

National Park Service, Cumberland Island, GA – PMIS 305281

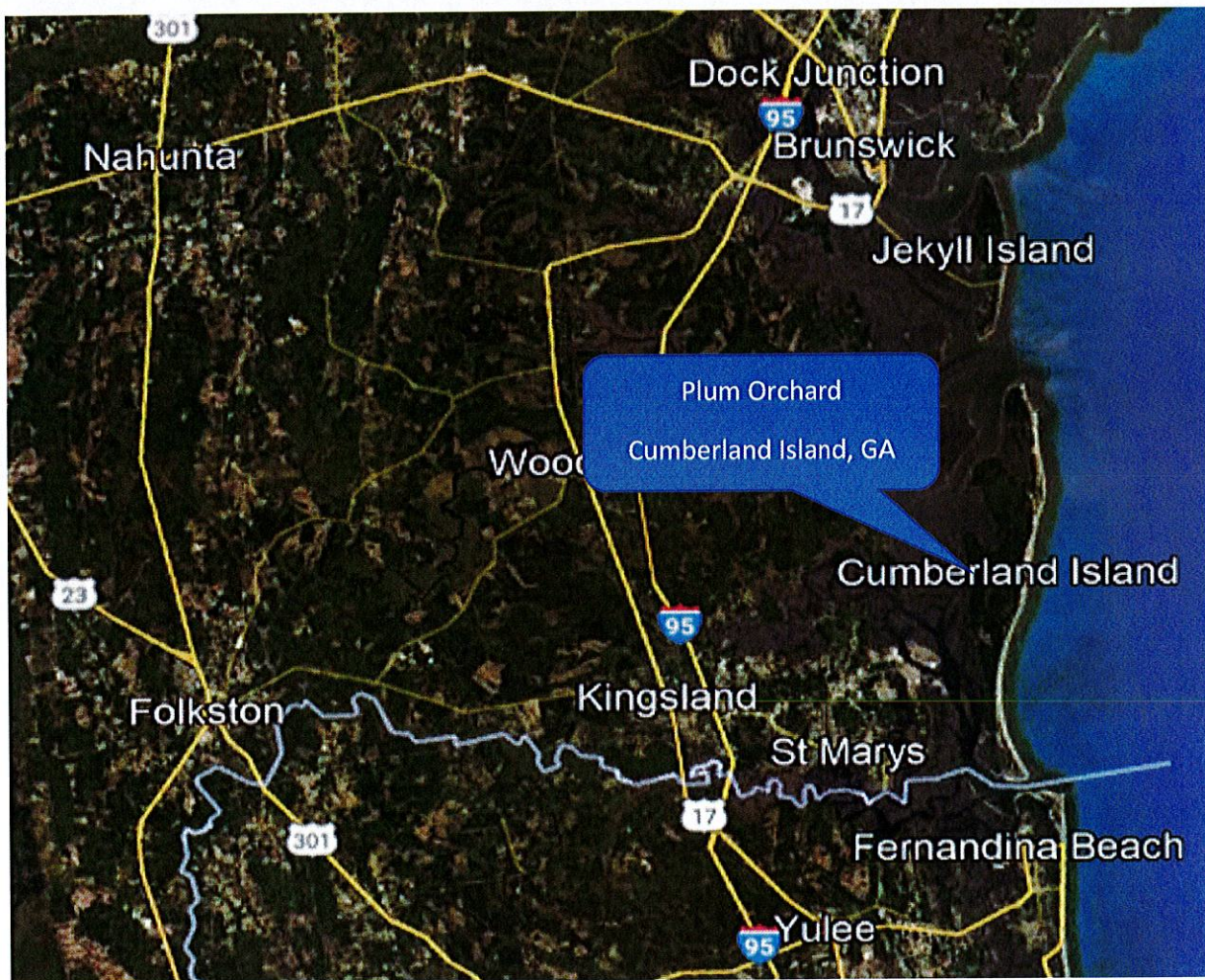
Plum Orchard

JAIME STEIN
Jaime Stein
Community Development
5/31/24

Objective for Shoreline Stabilization at Plum Orchard

The overall goal of restoration for Plum Orchard Shoreline is to reduce erosion and stabilize this area, to reduce the risk of impacts from storms and sea level rise to the shoreline vegetation and increase the resiliency of the shoreline. In the time period since the hurricane impacts in 2017 plans were to reclaim and stabilize shoreline using geotextile cloth and quarried stone to be placed on the existing shoreline above the high tide line. The project is protecting the existing trees, re-vegetate where suitable conditions allow using a combination of bioengineering, livable landscape and appropriate plantings in concert with rip rap to restore undercut shorelines from the 2017 hurricanes.

Site Location Map



1.0 Scope of Work

The contractor will supply supervision, equipment, operators, laborers, and materials required for installing geotextile fabric, bioengineering, livable landscaping, and riprap at Plum Orchard shoreline. Refer to Exhibit A.

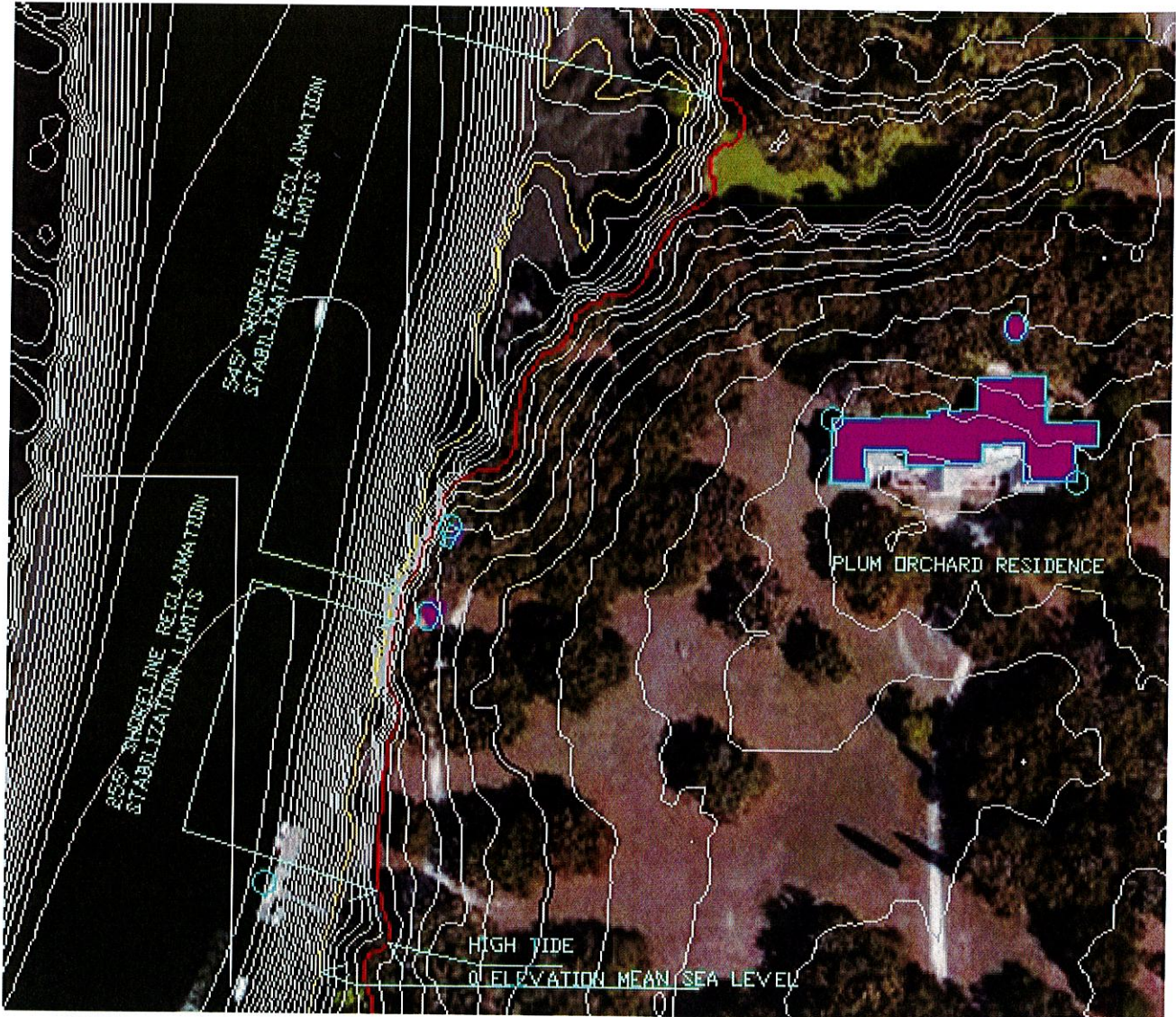


Exhibit A

TASK 1 – Riprap/Geotextile Fabric/Debris

Table 1: Riprap Requirements

Min/Max	Gradation Size (inch)		Percent Passing (by Weight)
	Uniform	Graded	
Min	18*		100
Max	24*		
Min	16*		85
Max	22*		
Min	12*		50
Max	17*		
Min	9	-	15
Max	13	-	
Min	-	1	10
Max	-	6	
Min	8	-	0

Contractor shall provide the recommended maximum and minimum requirements for riprap gradation size and percentage for the shoreline protection shall meet Table 1 requirements. **Approximately 300 tons of riprap is required in accordance with Exhibit B. All material and equipment will require barge access. All shoreline work will be staged on the barge. Barge will require a ramp that will allow material and equipment to access shoreline work. All the work must be accomplished during low tide.**

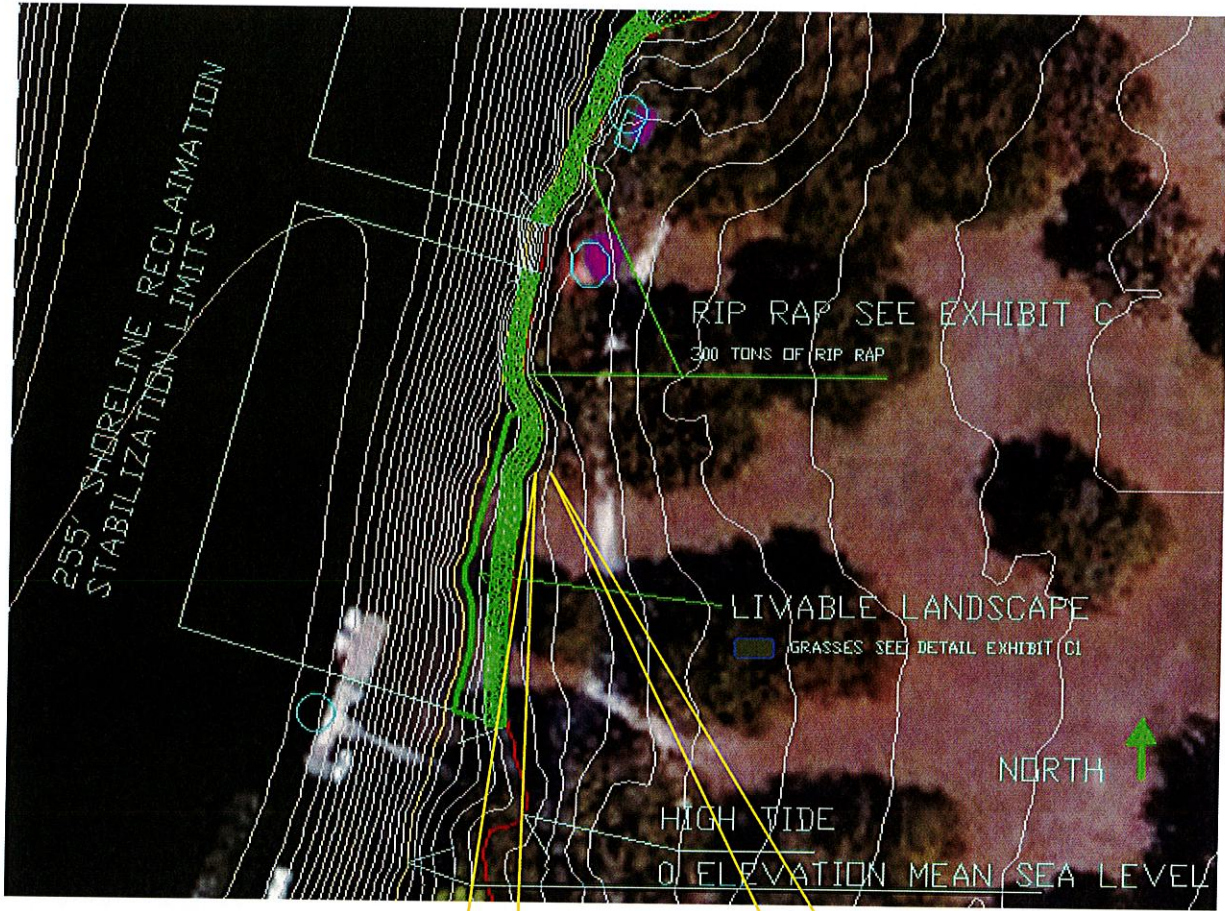
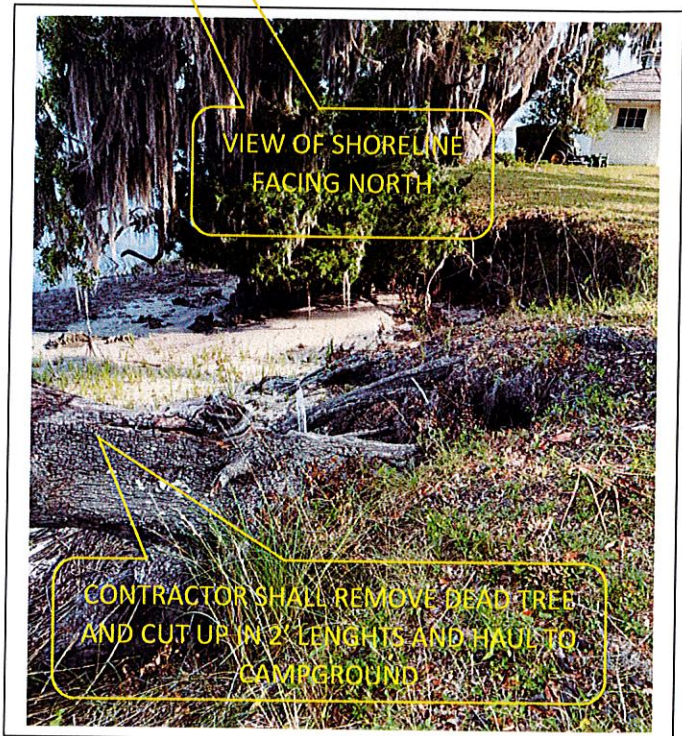
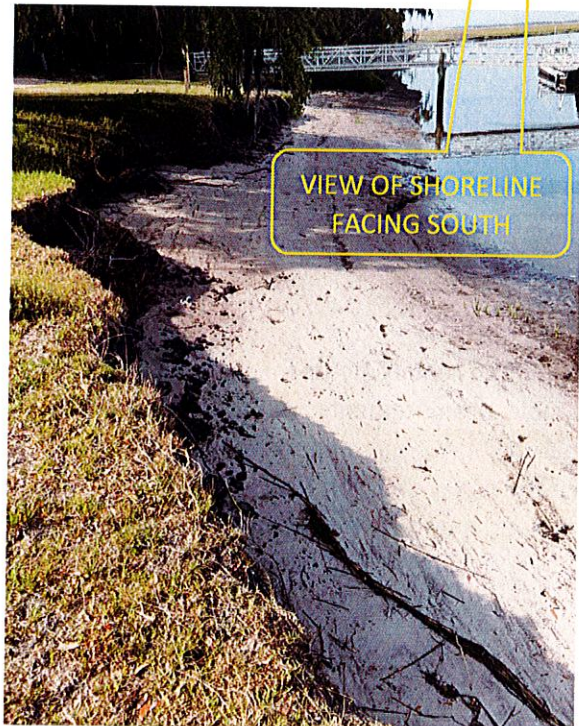
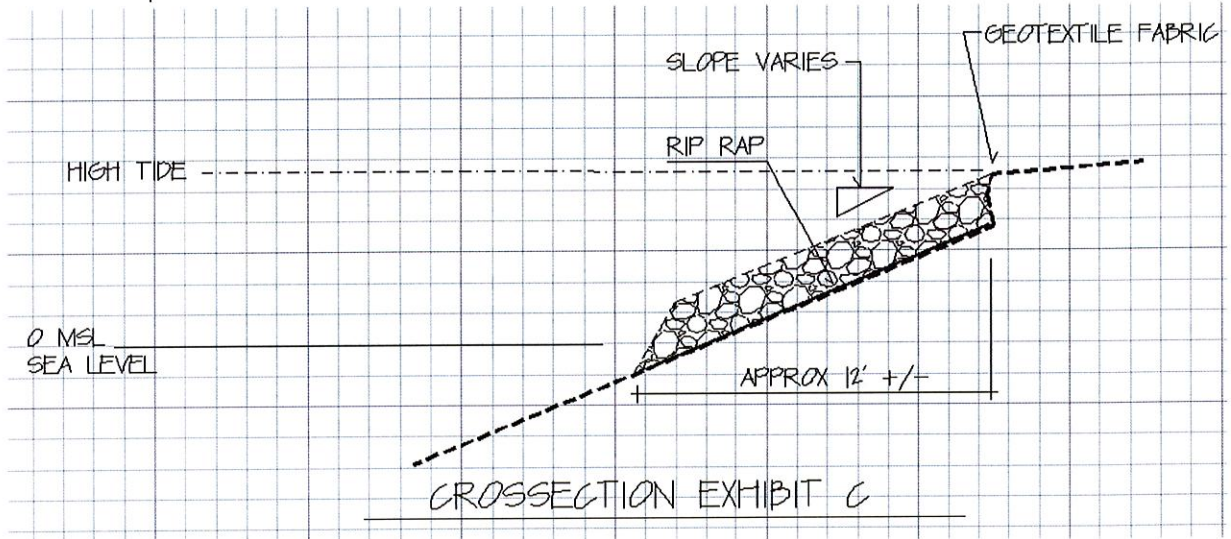


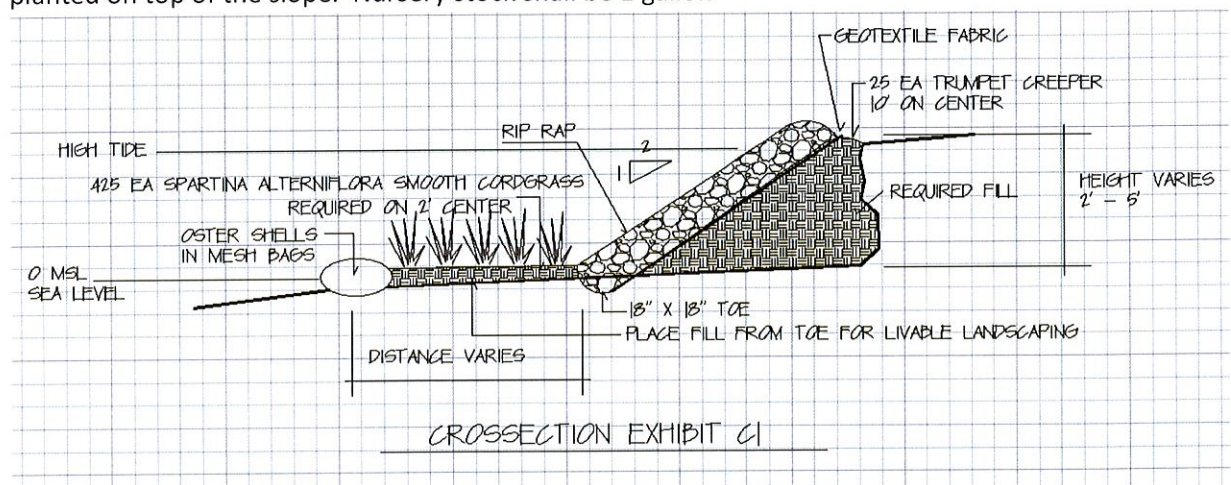
EXHIBIT B



- The proposed slope of the shoreline stabilization shall be a maximum slope of 2H (Horizontal):1V (Vertical). Contractor shall use appropriate mechanical equipment to place riprap and reduce damage to the existing vegetation and shoreline so minimal natural resource impacts will occur. Refer to Exhibit C.



- The proposed slope of the shoreline stabilization shall be a maximum slope of 2H (Horizontal):1V (Vertical). Contractor shall use appropriate mechanical equipment to place riprap. Refer to Exhibit C1 and Exhibit B for the Livable Landscape detail. Contractor shall supply oyster shells in mesh bags approximately 3' x 3' x 8" h along the edge of the shore (185' of shoreline). Contractor shall plant 425 each *Spartina Alterniflora* Smooth Cordgrass on 4' center in this area. Grasses shall be sprig plantings and plants shall have sufficient root system to assure success rate of 85%. Trumpet Creeper (25 ea *Campus radicans*) shall be planted on top of the slope. Nursery stock shall be 1 gallon

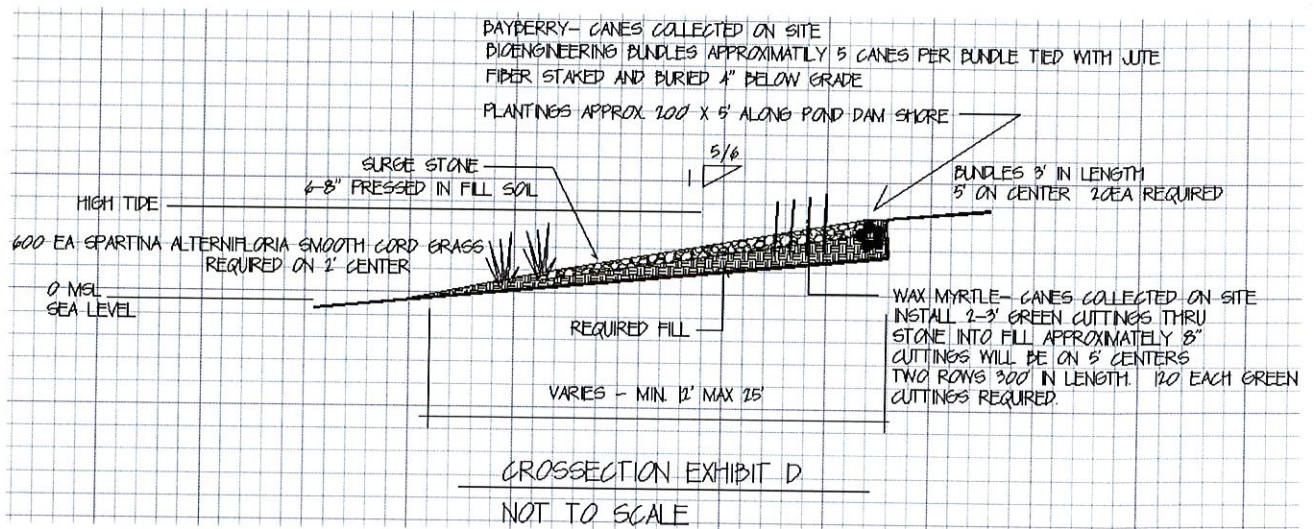


The geotextile fabric layer selected shall have a minimum grasp tensile strength of 370 pounds (lb), and a minimum trapezoidal tear strength of 100 lb. All geotextile fabric will be placed by hand and secured to the shoreline before placing the stones for the riprap layer.

Approximately 5400 square feet of fabric is required.

3. Approximately 460 cu/yds of fill will be required for shoreline reclamation/stabilization project. Source of fill material will be provided by NPS on the Southern portion of the island. Contractor will be responsible for loading and hauling (approximately 7 miles one way) material from the source site.

4. The approximately 400 linear feet of shoreline on the Northern end of the site adjacent to the Plum Orchard Residence shall receive 500 tons of surge stone (3"-8") in size. This area will be covered with 8" of soil and planted with bioengineering for the plants to root in the mix of soil and stone. Plantings will include 600 each bareroot *Spartina Alterniflora* Smooth Cordgrass, 120 each Green Cuttings from Wax Myrtle cuttings from island. Southern Bayberry 20 bundles with 5 canes/bundle to be 3/8" diameter minimum and bundles 3' long. Exhibit D and D1. See Exhibit E for where wax myrtle and bayberry plants can be found on island and used for bioengineering in accordance with exhibit D crosssection.



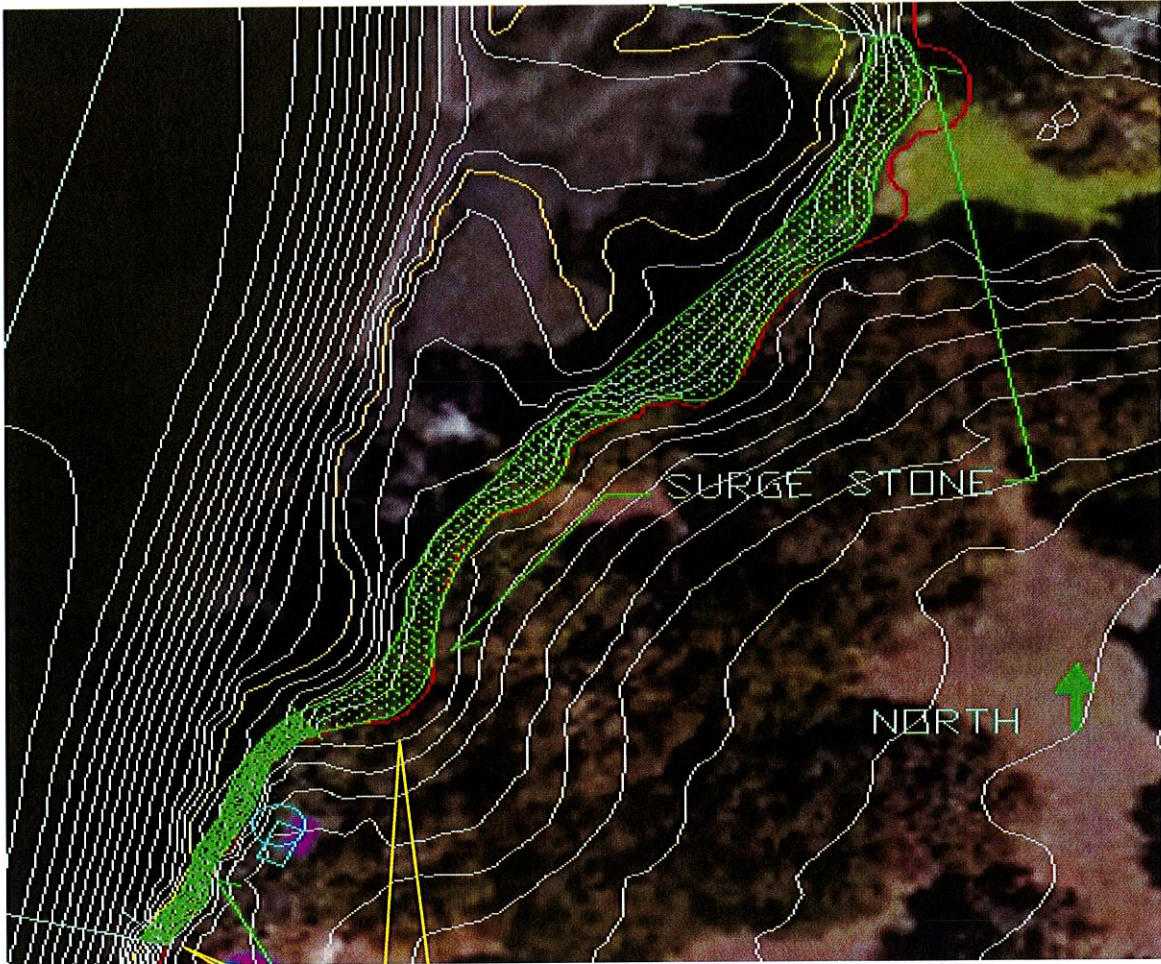


Exhibit D1



2.0 Meetings, Plans and Submittals:

Task 2 - Post Award Meeting/ Deliverables/Submittals/Construction Plan and Limits:

Post Award Meeting

The contractor and all the principal team members shall meet with NPS representatives to clarify tasks, discuss logistics and schedule. Period of performance shall be 120 days after the NTP.

Deliverables/Submittals:

- Project meeting
- Project schedule
- Construction Plan
- Geotextile Fabric submittal
- Plants
- Rip Rap and Surge Stone
- Quality Control Plan
- Designation letter and description of qualifications of Superintendent
- List of Sub-Contractors
- Accident Prevention / Safety Plan
- Coordination Meeting Summary Report
- Contractor Quality Control Daily Reports
- Project schedule updates – Included with monthly invoice submissions
- Submittals Due at Close Out Meeting

Notes for Construction Plan Inclusion:

Contractor shall submit a construction plan which will address the following:

- NPS shall obtain all required environmental permits,
- Mobilize equipment,

- Identify and maintain haul roads and project site as necessary. The road will have to provide access to shoreline for construction. The road will need to be maintained weekly as construction traffic will be damaging to the road. Maintenance shall include filling all potholes, grading and leveling. Contractor shall stay within the boundaries of the existing road and shoulder,
- Complete Stabilization Design Installation Exhibit A-D,
- Receive acceptance of the project by NPS.

Construction Limits

Construction activities will be limited to areas around shoreline.

Shoreline access will be approximately 800 feet long. This access will extend approximately 25 feet in toward the island. Construction activities will extend approximately 25 feet from the top of shoreline toward the water. The shoreline will normally be established as the top erosion point; however, some visual judgment will need to be applied. **The contractor shall delineate and mark the shoreline prior to the start of construction. The park shall approve layout prior to construction.** The contractor shall submit a detailed plan showing limits of the construction activities will be provided to the COR for NPS approval from the contractor.





DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
100 W. OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3604

May 12, 2023

Regulatory Division
SAS-2022-01152

Mr. Michael A. Seibert
Cumberland Island National Seashore
101 Wheeler Street
St. Marys, Georgia 31585

Dear Mr. Seibert:

I refer to the Pre-Construction Notification requesting verification for use of Nationwide Permit (NWP) No. 13 to impact tidal waters associated with the stabilization of 680 linear feet (LF) of eroded shoreline. Specifically, at the northern end of the project area, 425 LF of shoreline will be impacted during grading and placement of surge stone, fill, and plantings, whereas at the southern end of the project area, 225 LF of shoreline will be impacted during grading and placement of fill, installation of geotextile fabric, rip rap, plantings, and oyster shells in mesh. The project site is located in the Brickhill River, in Plum Orchard, Cumberland Island, Camden County, Georgia (Centered at Latitude: 30.8556, Longitude: -81.46687). This project has been assigned number SAS-2022-01152 and it is important that you refer to this number in all communication concerning this matter.

We have completed coordination with other federal and state agencies as described in Part C (32)(d) of our NWP Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR). The NWPs and Savannah District's Regional Conditions for NWPs can be found on our website at <http://www.sas.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits/NationwidePermits.aspx>. During our coordination procedure, no adverse comments regarding the proposed work were received.

As a result of our evaluation of your project, we have determined that your proposed activity is authorized under NWP 13, as described in Part B of the NWP Program. However, at this time, the Georgia Department of Natural Resources, Coastal Resources Division (Georgia CRD), has denied Georgia Coastal Management Program (GCMP) certification, pursuant to the Coastal Zone Management Act, of 1972 (16 U.S.C. § 1455), as amended, for use of a NWP for your project.

This letter is the U.S. Army Corps of Engineers' provisional verification for your use of NWP 13, and does not authorize work in aquatic resources on the project site. Prior to beginning work in aquatic resources, you must obtain GCMP certification from the Georgia CRD for your project and submit a copy of this certification to this office.

Once you submit a copy of the GCMP Certification for your project to this office, you will have fulfilled this prerequisite for use of the NWP. You will not receive confirmation of receipt of the required certification from this office.

Please be advised that if you fail to obtain and submit the necessary GCMP Certification prior to beginning work, this action would be considered a willful and knowing violation of Section 404 of the Clean Water Act and appropriate enforcement action will be taken.

Your use of this NWP is valid only if you comply with all of the following special conditions:

a. The activity is conducted in accordance with the information submitted and meets the conditions applicable to the NWP, as described at Part C of the NWP Program and the Savannah District's Regional Conditions for NWPs.

b. You shall notify the Corps, in writing, at least 10 days in advance of commencement of work authorized by this permit.

c. You fill out and sign the enclosed certification and return it to our office within 30 days of completion of the activity authorized by this permit.

d. All work shall be completed in accordance with the enclosed plans, "Plum Orchard Bank Stabilization, SAS-2022-01152" Pages 1-2.

e. To avoid adverse effects to historic properties, you shall comply with the following special conditions:

(1) Ensure that the majority of the work will be performed via river barge and that the placement of all staging materials will be located outside of the boundaries of all components of the National Register of Historic Places (NRHP)- listed Plum Orchard Historic District (archeological sites 9CM79 and 9CM582).

(2) When heavy equipment is needed to traverse over components of the Plum Orchard Historic District, the you will implement the use of wooden mats. Any equipment used to implement the bank stabilization within Historic District boundaries

will be staged on mats.

(3) Following construction, photo-documentation demonstrating that avoidance components were upheld shall be submitted to the Corps, Georgia SHPO and Tribes for review and comment.

f. To ensure the protection of the West Indian manatee (*Trichechus manatus*) that have the potential to be in the vicinity of the project, the permittee shall comply with the following special condition(s):

(1) The permittee shall ensure that all personnel associated with construction of the authorized dock facility are informed of the civil and criminal penalties for harming, harassing or killing manatees, which are protected under the Endangered Species Act of 1973 (ESA) and the Marine Mammal Protection Act of 1972. The permittee and the permittee's contractor(s) (contractor) will be held responsible for any manatee harmed, harassed or killed as a result of construction activities.

(2) The use of siltation barriers in waters of the United States, below the high tide line, is not allowed in association with the construction of the authorized dock facility.

(3) All vessels associated with project construction shall operate at "no wake/idle" speeds at all times while in the project area. All vessels will follow routes of deep water when entering or exiting the project area, and while operating in the project area, whenever possible. For the purposes of compliance with manatee conditions, the project area is defined as all areas of shoreline, marsh and open waters within 100 feet of the outermost perimeter of the authorized dock facility.

(4) All contractors and other on-site personnel are responsible for observing for the presence of manatees in or near the project area. All in-water construction activities shall cease upon sighting of a manatee within 50 feet of any ongoing work in the marsh or open waters. Activities will not resume until the manatee(s) have moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

(5) Extreme care will be taken when lowering equipment and materials below the water surface and/or to the water bottom. Equipment and materials include, but are not limited to: piles; sheet piles; casings for drilled shaft construction; spuds; pile templates; and anchors. All such equipment/material shall be lowered as slow as possible, to avoid injury to any manatee that may have entered the project area undetected.

(6) In the event of injury to or mortality of a manatee in the project area, the permittee or contractor shall immediately notify the Georgia Department of Natural Resources (Georgia DNR) at 912-264-7218 or 1-800-272-8363 on weekdays between 8:00 a.m. to 4:30 p.m., or 1-800-241-4113 on nights and weekends. Within one hour of a manatee injury or mortality the permittee or contractor shall notify the Corps at 1-800-448-2402 and the US Fish and Wildlife Service, Georgia Ecological Services Field Office at 912-832-8739. Any dead manatee found in the project area shall be secured to a stable object to prevent the carcass from moving with the current. In the event of a manatee injury or mortality, all open water construction activity shall cease pending completion of consultation between the Corps and the USFWS, pursuant to Section 7 of the ESA.

(7) The permittee shall ensure that the contractor keeps a log of sightings, collisions or injury to manatees that occur during construction of the dock facility.

(8) Within 30 days of project completion, the permittee shall submit a report summarizing manatee sightings or incidents that occurred during project construction, to the FWS, Ecological Services Field Office, Coastal Georgia Sub-Office, 4980 Wildlife Drive NE, Townsend, Georgia 31331. Submission of a negative report is not required.

(9) All temporary or unused construction materials shall be removed from the project area upon completion of the work, and any impacted area of salt marsh shall be restored. No construction debris or trash is to be discarded in project area.

(10) The permittee shall regularly inspect and maintain all hoses, faucets, and other potential sources of freshwater, to ensure that any freshwater leak is stopped and immediately repaired. Manatees are attracted to freshwater leaking from dock facilities, where boats are concentrated and there is an increased risk for manatee collisions.

(11) Prior to initiating authorized construction activities, the permittee shall contact Georgia DNR at 912-264-7218 for assistance with development of temporary manatee awareness sign plan for the project area. The plan will include the types and number of signs; and locations where signs will be installed to be prominently visible to contractors entering the project area from uplands and from the water. The permittee shall install temporary manatee awareness signs in accordance with the Georgia DNR approved plan. See attached Appendix A for information about the size and appearance of temporary manatee awareness signs. Within 30 days of project completion, the permittee shall remove all temporary manatee signs.

This proposal was reviewed in accordance with Section 7 of the Endangered Species Act. Based on the information we have available, we have determined that the project

may affect, but is not likely to adversely affect the West Indian manatee (*Trichechus manatus*); wood stork (*Mycteria Americana*); Eastern indigo snake (*Drymarchon corais couperi*); and would have no effect on any other threatened or endangered species nor any critical habitat for such species. Authorization of an activity by a NWP does not authorize the "take" of threatened or endangered species. In the absence of separate authorization, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act. See Part (C) of 86 FR for more information.

This verification is valid until the NWP is modified, reissued or revoked. All of the existing NWPs are scheduled to expire on March 14, 2026. It is incumbent upon you to remain informed of changes to the NWPs. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This authorization should not be construed to mean that any future projects requiring Department of the Army authorization would necessarily be authorized. Any new proposal, whether associated with this project or not, would be evaluated on a case-by-case basis. Any prior approvals would not be a determining factor in making a decision on any future request.

Revisions to your proposal may invalidate this authorization. In the event changes to this project are contemplated, I recommend that you coordinate with us prior to proceeding with the work.

This communication does not relieve you of any obligation or responsibility for complying with the provisions of any other laws or regulations of other federal, state or local authorities. It does not affect your liability for any damages or claims that may arise as a result of the work. It does not convey any property rights, either in real estate or material, or any exclusive privileges. It also does not affect your liability for any interference with existing or proposed federal projects. If the information you have submitted and on which the Corps bases its determination/decision of authorization under the NWP is later found to be in error, this determination may be subject to modification, suspension, or revocation.

An electronic copy of this letter is being provided to the following party:
Ms. Jolene Williams, via email.

Thank you in advance for completing our on-line Customer Survey Form located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. We value your

comments and appreciate your taking the time to complete a survey each time you have interaction with our office.

If you have any questions, please call Ms. Amy Flowers, Project Manager, Coastal Branch, at (912) 652-5048.

Sincerely,



William M. Rutlin
Chief, Coastal Branch

Enclosures

Regulatory Division

CERTIFICATION OF COMPLIANCE
WITH
DEPARTMENT OF THE ARMY
NATIONWIDE PERMIT 13

PERMIT FILE NUMBER: SAS-2022-01152

PERMITTEE/ADDRESS: Mr. Michael A. Seibert, Cumberland Island National Seashore
101 Wheeler Street, St. Marys, Georgia 31585

LOCATION OF WORK: The project site is located in the Brickhill River, in Plum
Orchard, Cumberland Island, Camden County, Georgia (Centered at Latitude: 30.8556,
Longitude: -81.46687).

PROJECT DESCRIPTION: To impact tidal waters associated with the stabilization of
680 linear feet (LF) of eroded shoreline.

ACRES AND/OR LINEAR FEET OF WATERS OF THE UNITED STATES IMPACTED:
680 linear feet

DATE WORK IN WATERS OF UNITED STATES COMPLETED: _____

COMPENSATORY MITIGATION REQUIRED: N/A

DATE MITIGATION COMPLETED OR PURCHASED (include name of bank):

I understand that the permitted activity is subject to a U.S. Army Corps of Engineers' Compliance Inspection. If I fail to comply with the permit conditions at Part C of the Nationwide Permit Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR), it may be subject to suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit as well as any required mitigation (if applicable) has been completed in accordance with the terms and conditions of the said permit.

Signature of Permittee

Date

Plum Orchard Bank Stabilization
SAS-2022-01152

Plum Orchard Shoreline Stabilization
Cumberland Island National Seashore

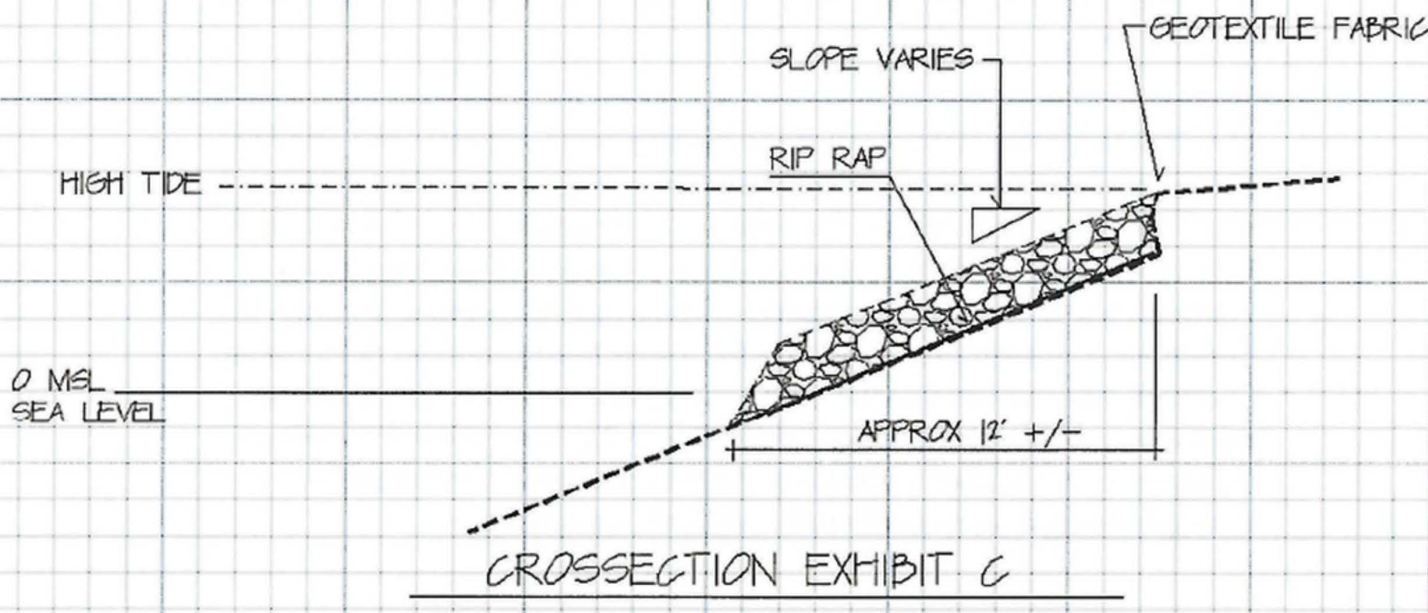
Legend

- Current Rubble Pile
- Existing RipRap
- Existing Wooden Bulkhead
- NEW Proposed Construction
- Plum Orchard Residence
- Staging Area

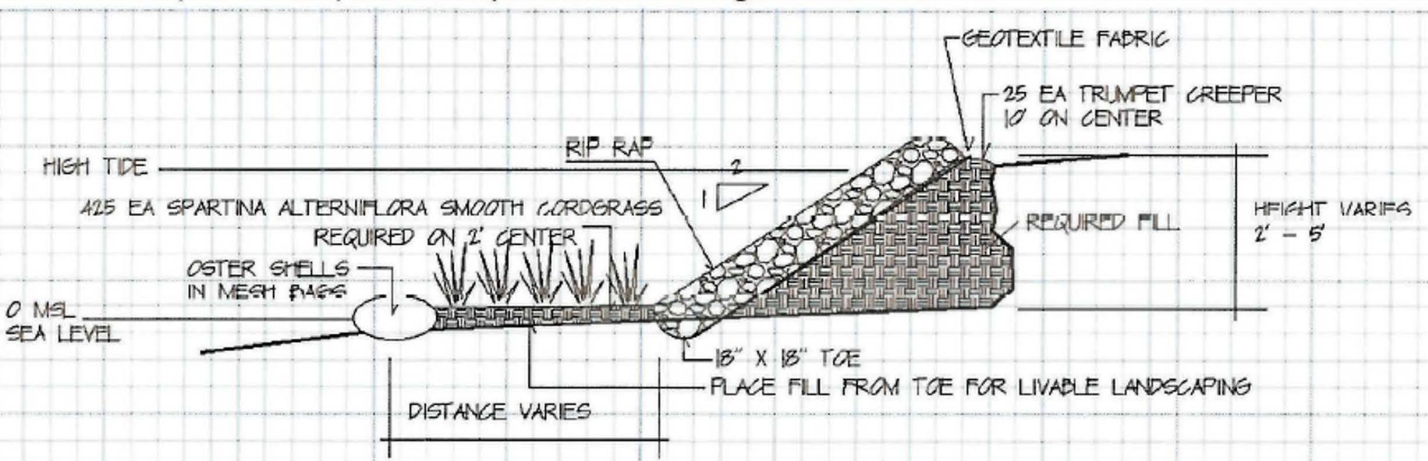


Google Earth

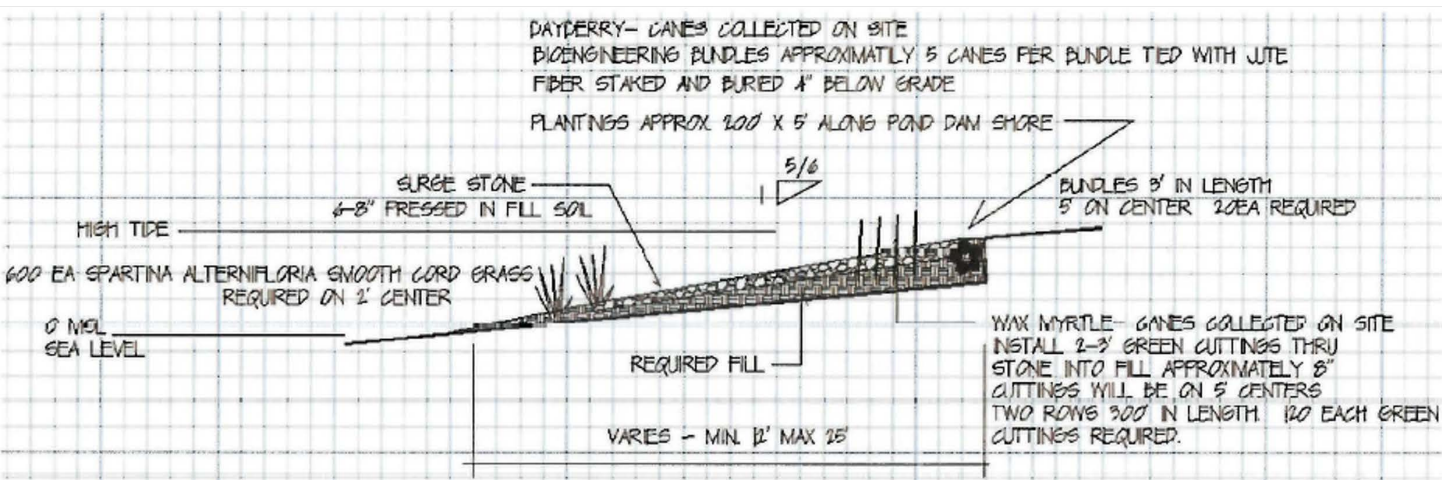
300 ft



CROSSECTION EXHIBIT C



CROSSECTION EXHIBIT C1



CROSSECTION EXHIBIT D

NOT TO SCALE