



MARK WILLIAMS
COMMISSIONER

DOUG HAYMANS
DIRECTOR

FEB 22 2019

Yank Moore
Jekyll Island State Park Authority
100 James Road
Jekyll Island, Georgia 31527

Re: Letter of Permission (LOP), Sand Fencing Installation in the State's Shore Protection Act (SPA) Jurisdiction, Two (2) Washout Basins, Driftwood Beach, Jekyll Island, Atlantic Ocean, Georgia GPS:(31.10618°N/ -81.40502°W)

Dear Mr. Moore:

This Letter of Permission (LOP) is in response to your request, received December 20, 2018, to install sand fencing at the two (2) washout basins on Driftwood Beach, Jekyll Island, Georgia. These washout basins, located between Driftwood Beach and the North Loop Trail, were created from storm surge during Hurricane Irma. Sand fencing will be installed in accordance with the Georgia Department of Natural Resources (GADNR) Sand Fence Guidelines within the basins to encourage sand dune growth while reducing the amount of sand that is lost to wind erosion. For monitoring purposes a stationary 360° photo point (or multiple) at each site will be installed to monitor progress throughout the project. The installation of sand fencing within SPA Jurisdiction will begin no sooner than 15 days from the date of this letter.

The Department authorizes the installation of sand fencing and photo point(s) within SPA Jurisdiction, as described in the attached description and has no objection to the action, provided Best Management Practices (BMP's) are used as may be required in Glynn County. **No unauthorized equipment, materials, or debris may be placed, disposed of, or stored in jurisdictional areas.** Any incidental damage to dunes or dune vegetation will require restoration to be coordinated through this office. This LOP is valid for the above referenced project. Any change in the use, location, dimensions, or configuration of the approved project, without prior notification and approval from this office could result in revocation of this permission and in the required removal of the related structures. If at any point the fencing becomes compromised, the affected sections shall be removed within one week.

If installation of sand fence materials occurs between May 1st and October 31st, turtle nesting season, an individual with a DNR Sea Turtle Cooperators Permit must survey the area prior to construction. All sea turtle nests must be avoided and no equipment may be installed within 20ft. of a nest area.

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This authorization does not relieve you from obtaining any other required federal, state, or local permits. If you have any further questions or concerns regarding this or any other projects, please feel free to contact Sam LaBarba at (912) 262-3127.

Sincerely,



Jill Andrews
Chief, Coastal Management Section

Enclosures: Description, GADNR Sand Fence Guidelines

File: LOP20190018



Georgia Department of Natural Resources Sand Fence Guidelines



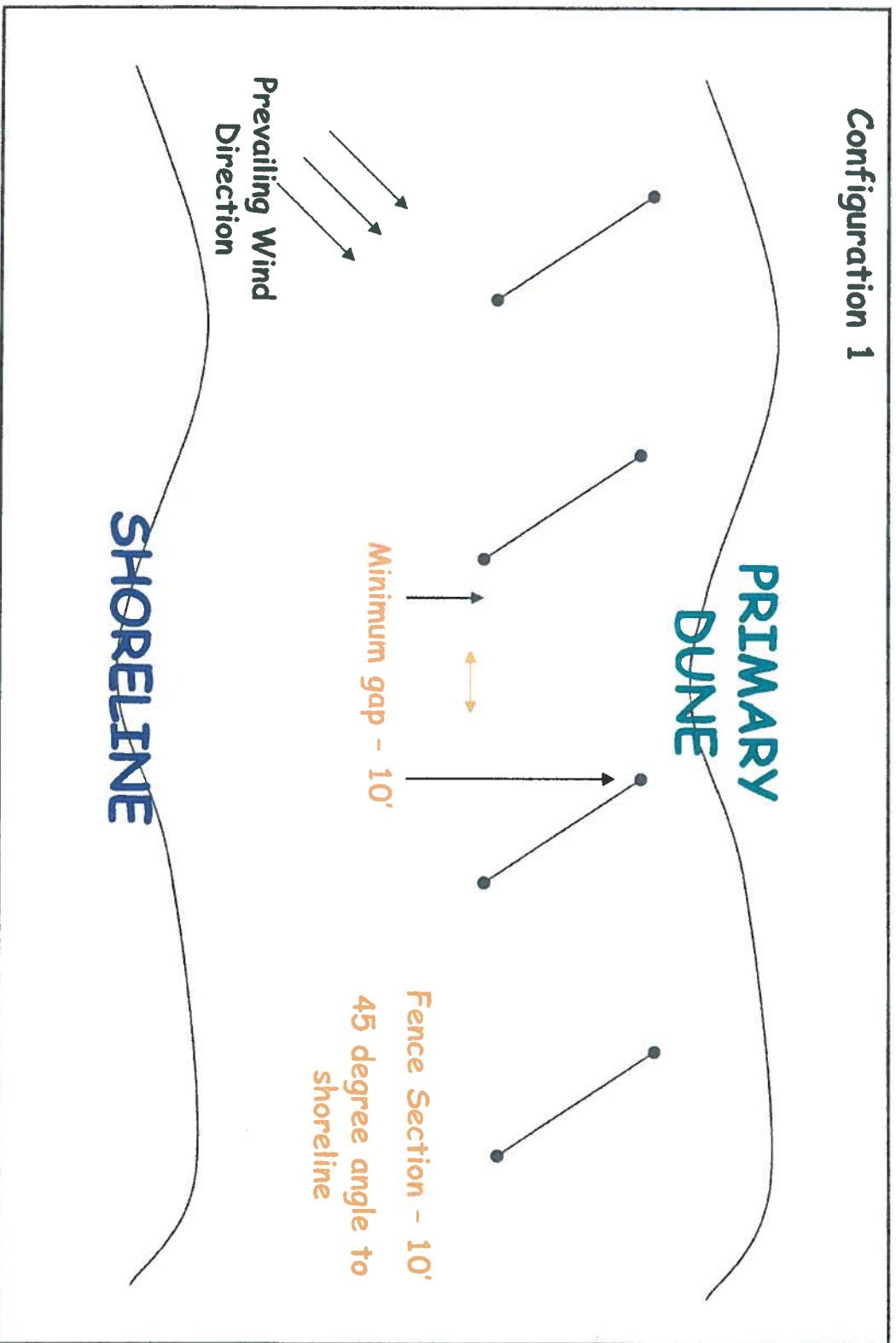
Sand fencing is used extensively along the Atlantic Coast to build and stabilize dunefields and control human access to the beach. Unfortunately, some sand fence configurations have been shown to restrict or inhibit sea turtle nesting. The **Management Plan for the Protection of Nesting Loggerhead Sea Turtles and their Habitat in Georgia** (II, B, 2, C) stipulates that "fencing must be placed so as not to deter turtles' access to nesting areas, and arranged to prevent trapping nesting turtles". The following sand fence guidelines are designed to provide good dune building and stabilization performance, while minimizing impacts to sea turtles.

Standard sand fencing consists of 4' wooden slats wired together with spaces between the slats. Woven fabric type fencing has also been successfully used in dune restoration projects. However, it is important that fabric fencing have a 40% to 60% open to closed space ratio to be effective. Fabric fencing is susceptible to ultraviolet degradation causing it to sag and lose its original shape. With sufficient maintenance, this problem may be avoided.

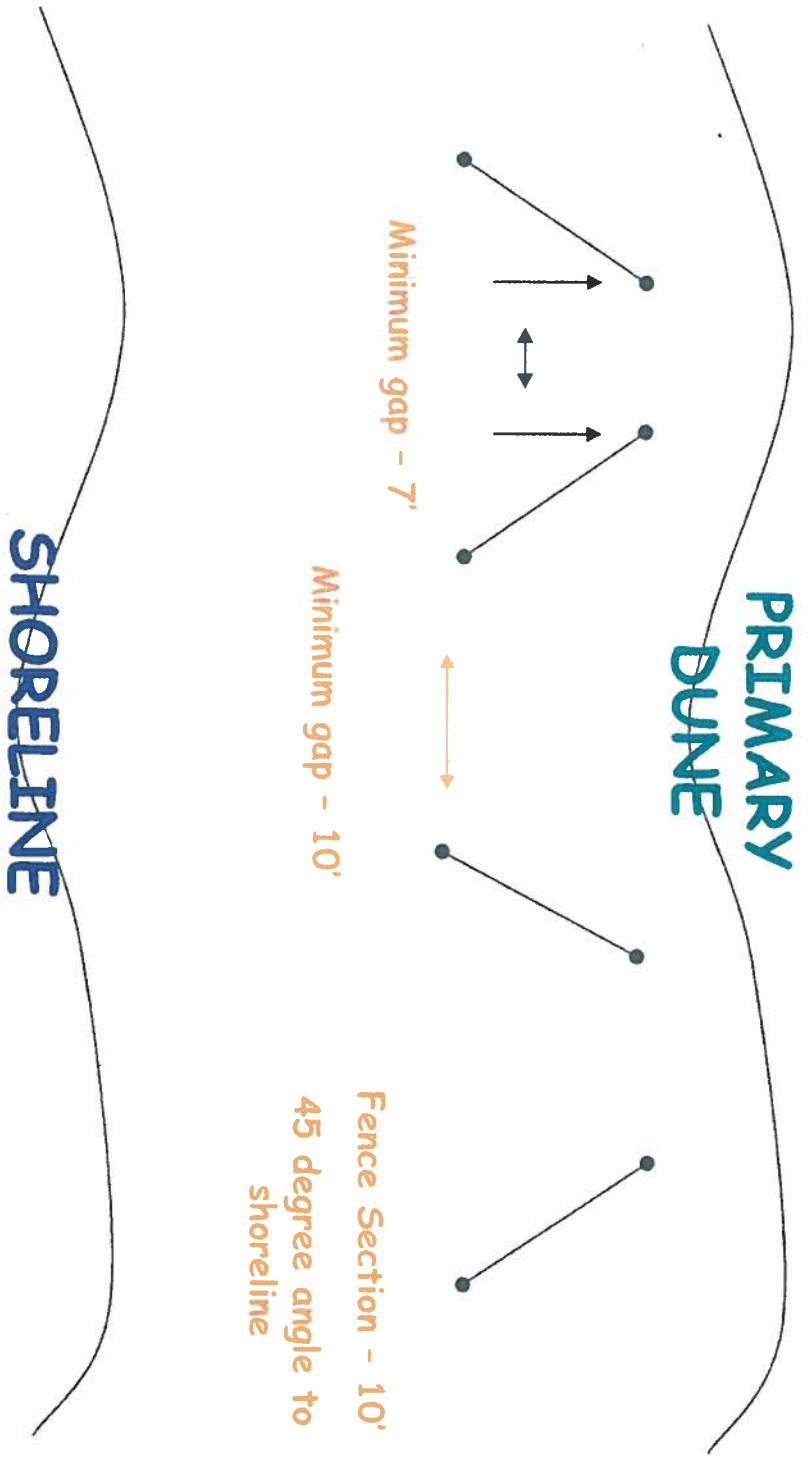
Guidelines for Sand Fence Placement:

1. Installation and repositioning of sand fences shall be conducted outside the marine turtle nesting season (May 1 – October 15) unless approved by the USFWS or GADNR Nongame-Endangered Wildlife Program.
2. Sand fence shall be installed in a temporary manner in accordance with the attached conceptual drawing. Configuration 1 consists of 10 foot sections of fence spaced at a minimum of 10 feet on a diagonal alignment to the shoreline (facing the prevailing wind). Configuration 2 consists of two 10 foot sections placed in an "open V" shape with the wider end facing the shoreline. Minimum space between ends of the "V" is 10 feet, and minimum width between the close ends of the "V" is 7 feet. For both configurations, the approximate angle of the fence to the shoreline is 45 degrees.
3. Sand Fence shall not be placed in the inter-tidal zone. Sand Fence must be placed above the highest spring high tide line, preferably adjacent to the primary dune.
4. Sand Fence shall not be placed within 7' of a beach scarp.
5. Sand Fence shall not be placed in front of an existing fence until the existing fence is completely buried.
6. Sand fences shall not be placed to control pedestrian traffic seaward of the secondary dunes. A post and rope fence may be used to restrict pedestrian access without impacting nesting marine turtles.
7. If fence material is damaged, debris must be removed from the beach area by the owner in an expeditious manner.

Configuration 1



Configuration 2



Clam Creek Drainage/Driftwood Beach Wash-over Jekyll Island Authority

Introduction

We are requesting permission to install sand dune fencing in the two washout basins on Driftwood Beach on Jekyll Island caused by storm surge wash-over during hurricane Irma. We plan to install the sand dune fencing in two areas of wash-over noted A and B on the map attached.

Methodology

We will use a combination of the two traditional configurations set forth by the GaDNR Non-game Conservation Section. The attached map shows just one of the options, but the final arrangement will be decided upon at installation based upon site conditions. The wash-over areas are completely exposed to Nor'easter winds as well as occasional tidal surge during large storm and spring tide events.

Considerations

We believe the combined approach with the two rows of fencing will allow the fencing to collect sand coming from multiple directions more effectively and give the growing dunes a better chance to handle the storm surge. We will also use collected storm wrack if necessary to increase the efficiency of the system.

Monitoring

We will install a stationary 360° photo point (or multiple) at each site to monitor the progress visually throughout the project. We will also turn a few of the anchor posts for the system into staff gauges to quantitatively measure the amount of sand accumulation. Plant species present within the project area will be noted as well. If at any point, the fencing is compromised by natural conditions, we will remove all affected sections within one week.

The configurations of the pockets of sand fencing on the maps attached may be adjusted based on current conditions when the project is completed. Photo points will be installed so they capture a representative picture of conditions.

