

# Flagler County, FL Coastal Storm Risk Management (CSRМ) Project

PUBLIC MEETING PRESENTATION  
OCTOBER 18, 2023

Link to  
the  
Project  
Website



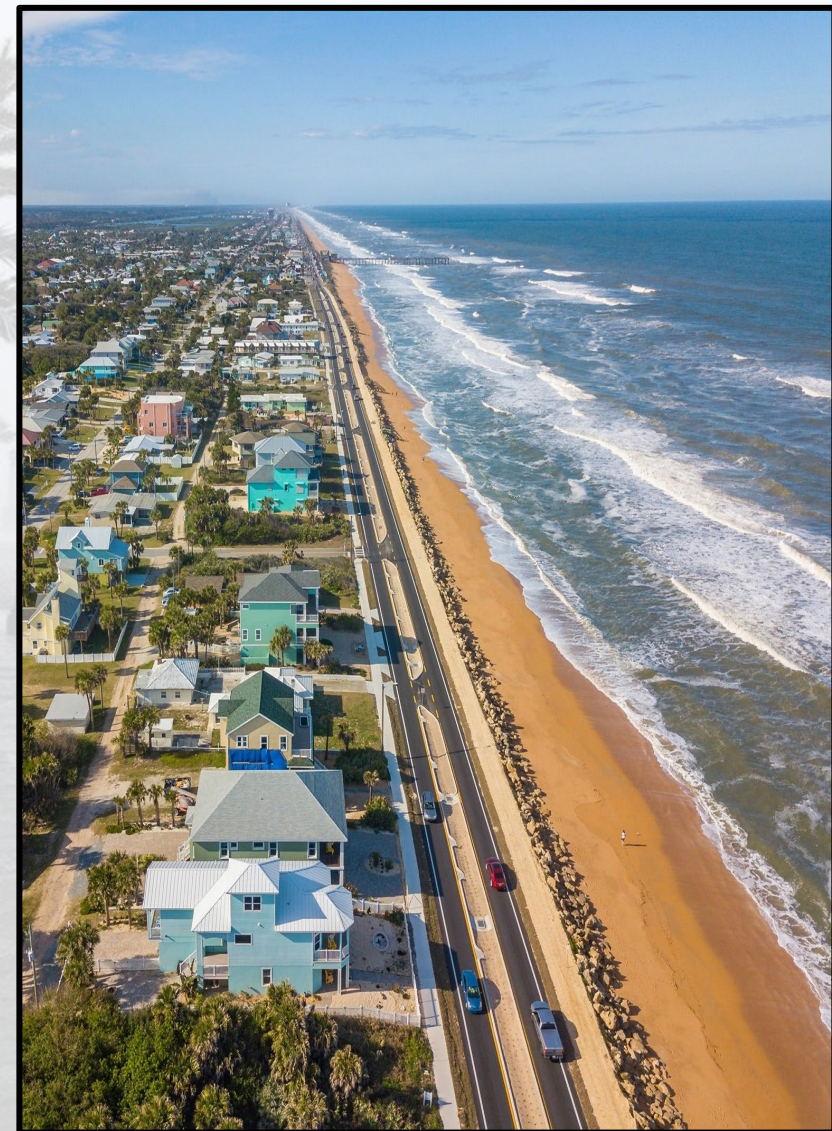
Presented by:  
Jason Harrah, Senior Project Manager (Jacksonville District, USACE)  
[Jason.S.Harrah@usace.army.mil](mailto:Jason.S.Harrah@usace.army.mil) (904) 232-1381 



# FEDERAL BEACH PROJECT OVERVIEW



BUILDING STRONG



**Non-Federal Sponsor:** Flagler County Board of County Commissioners

**Project Limits:** ~3 miles (7<sup>th</sup> St. South to 28<sup>th</sup> St. South)

**Project Features:** Beach Berm, Dune, Vegetation, Signage

**Construction Intervals:** Initial Construction (2024), Emergency Renourishments (after major storm events (as approved), regular renourishments ~every 11 years (2035, 2046, 2057, 2068).

**Project Cost Share:** 65% Fed, 35% Non-Fed for Initial, 50%/50% Renourishments, 100% Fed for Emergency Events.

## Project Benefits:

- **\$2.4M** Average Annual Benefits
- Benefit to Cost Ratio **1.9:1**
- **~3.2 acres** of environmental habitat created
- **95% reduction** in damages through 2065

## Design Details:

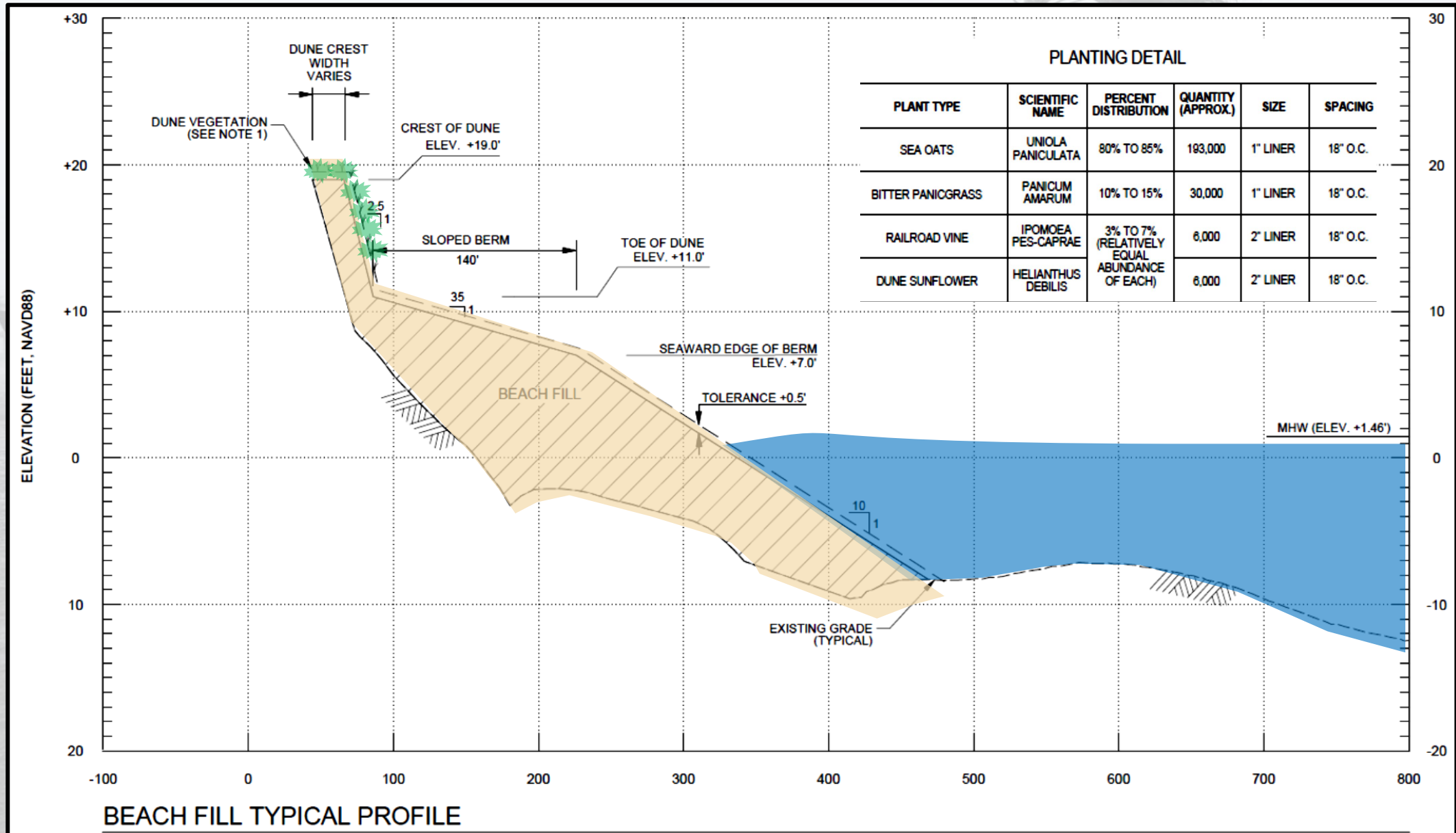
- **Dune Height:** +19.0'
- **Dune Width:** Varies
- **Berm Width:** 140'
- **Dune Vegetation:** Sea Oats, Bitter Panic-grass, Railroad Vine, Dune Sunflower
- **Volume of Sand Placed:** 1.3M cubic yards



# DESIGN FEATURES



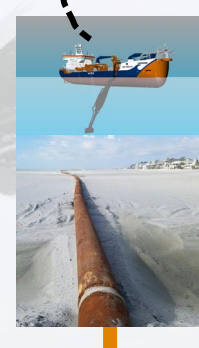
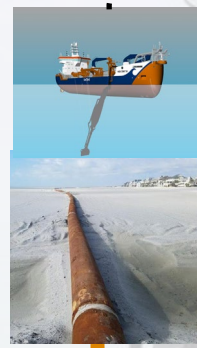
BUILDING STRONG





# PROJECT OVERVIEW

Offshore Borrow Area 3A



Gamble Rodgers State Park

28th St. South

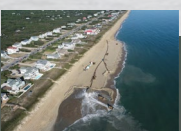
7th St. North

7th St. South

Non-Federal Section  
150,000 cubic yards of sand

Federal Section  
1,310,000 cubic yards of sand

Non-Federal Section  
120,000 cubic yards of sand



Flagler Beach

100



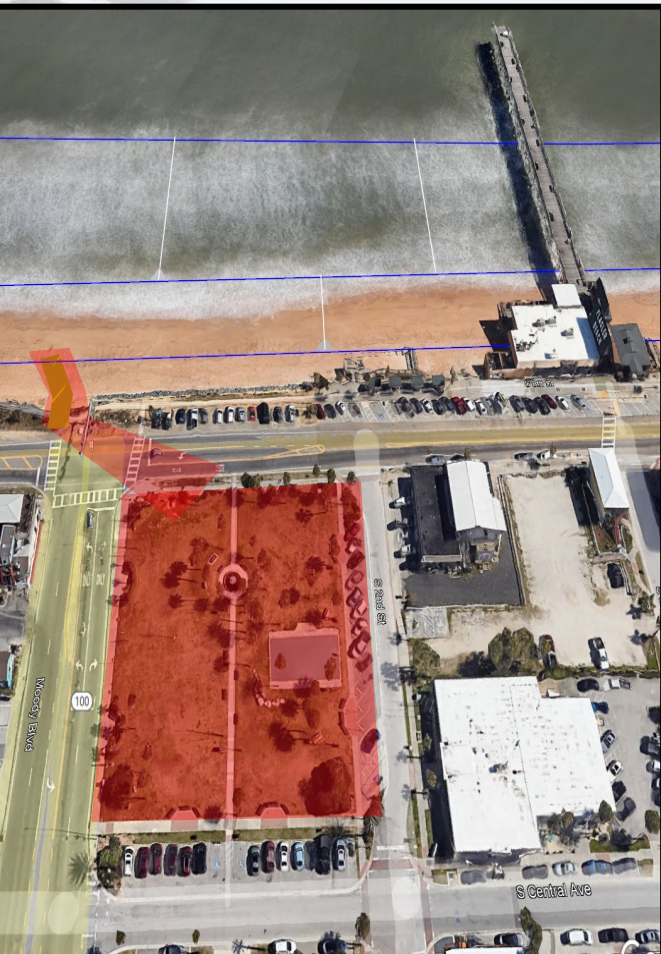
# CONTRACTOR STAGING AREAS & BEACH ACCESS



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#1

Staging/Access #1  
Veterans Park



#2

Staging/Access #2  
6th St. South



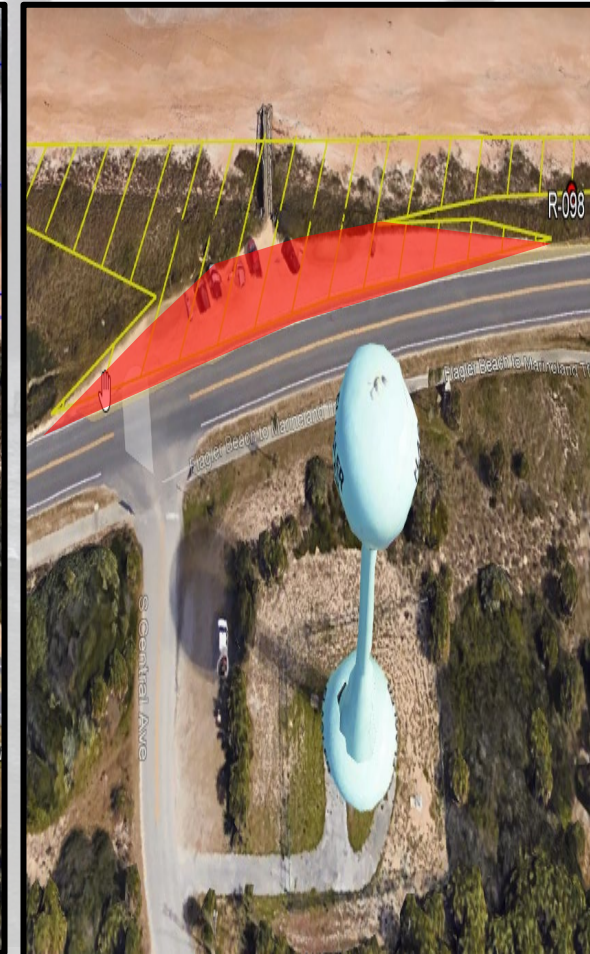
#3

Staging/Access #3  
Pebble Beach HOA



#4

Staging #4  
Water Tower Area





# BEACH CONSTRUCTION – IN STEPS



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July – Oct 2024

Oct 2024

Nov 2024 – Feb 2025

Feb 2025 – Mar 2025

### Step #1 Construct Beach North of Pier

### Step #2 Construct Beach South of Pier

### Step #3 Federal Project 7<sup>th</sup> St. South to 28<sup>th</sup> St. South

### Step #3 28<sup>th</sup> St. South to Gamble Rodgers State Park

- Veterans Park Staging/Access Area
- Beach Ramp Construction
- Road Closures Along A1A and Adjacent Roads

- 6<sup>th</sup> St. South Park Staging/Access Area
- Beach Ramp Construction
- Add'l. Road Closures Along A1A and Adjacent Roads

- 6<sup>th</sup> St. South Park Staging/Access Area transition to Pebble Beach HOA Staging/Access Area
- Beach Ramp Construction at Pebble Beach HOA
- Road Closures Along A1A End (Once Blue Areas Constructed)

- Pebble Beach HOA Staging/Access Area
- Reduced Speed Zoners
- Use of Water Tower Area
- Demobilize from this Site

Mid-Oct 2024



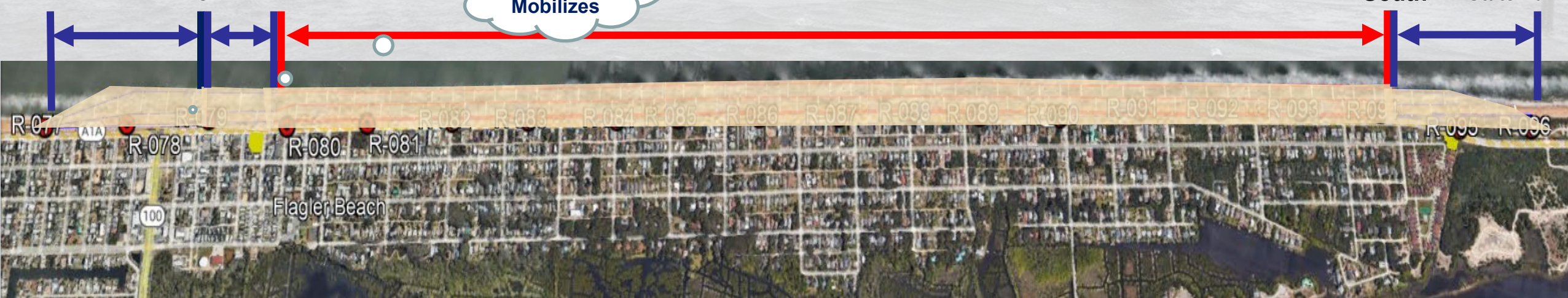
7<sup>th</sup> St. North

Pier

7<sup>th</sup> St. South

28<sup>th</sup> St. South

Gamble Rodgers State Park





# KEY DATES



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<u>Activity</u>	<u>Dates</u>
Flagler County Certifies Lands to USACE	November 6, 2023
FDEP Issues Permit Mod for Flagler County Beach Construction Areas	December 29, 2023
USACE Signs Finding of No Significant Impact (FONSI)	January 10, 2024
USACE, Flagler County, BOEM Execute Offshore Sand Lease	January 19, 2024
<b>Plans &amp; Specifications Certified by USACE</b>	<b>January 26, 2024</b>
<b>Contract Advertised</b>	<b>February 29 – April 1, 2024</b>
<b>Bid Opening</b>	<b>April 1, 2024</b>
<b>Contract Award</b>	<b>May 2, 2024</b>
Contractor Mobilization	July 5, 2024
<b>Construction Completion</b>	<b>March 2025</b>

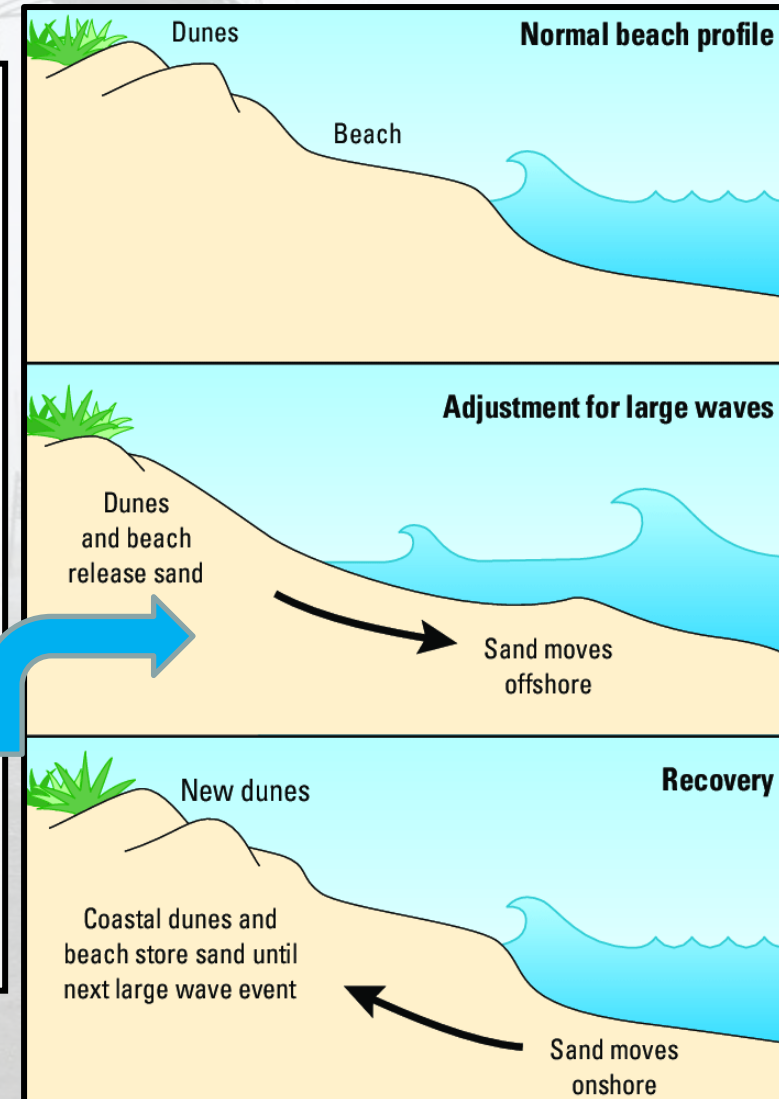


# WHAT TO EXPECT?



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- Periodic Closures of SRA1A and Adjacent Roads
- Construction 24/7
- Temporary Closure of Beach Areas (i.e., contractor builds a 1,500 section, checks lines/grades and reopens).
- Backup Alarms, Equipment Noise, Contractor Staff
- Environmental Monitoring Team (i.e., turtles, shorebirds, offshore species, relocations, etc.)
- Sand placed around Dune Walkovers (over/underneath).
- Escarpments Form Immediately Following Construction
- **NEW BEACHES ERODE QUICKLY! THAT DOESN'T MEAN THE SAND IS LOST.**



Courtesy of Research Gate





# FLAGLER BEACH IS GOING TO BE BUSY!!!



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- ✓ **Beach Nourishment** (7<sup>th</sup> St. North – Gamble Rodgers SP)
- ✓ **Hotel Construction**
- ✓ **FDOT Asphalt Resurfacing** (8<sup>th</sup> St. South – 18<sup>th</sup> St. North)
- ✓ **Pier Rehabilitation**
- ✓ **FDOT Secant Wall Construction** (~ South near Gamble Rodgers State Park)

Courtesy of Research Gate



# PUBLIC OUTREACH DURING CONSTRUCTION



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Social Media



USACE Website



Contractor Updates

U.S. Army Corps of Engineers, Jacksonville District

Vilano Beach Renourishment UPDATE +++++ USACE Jacksonville continues pumping sand on Vilano Beach. See this week's progress map for projected dates per section. Operations will be underway 24 hours a day, seven days a week. The Corps requests that all residents and visitors maintain a sensible distance from active construction sections and exercise caution in and around the Surfside Park staging area to ensure public safety. St. Johns County

Section	Start Date	Completion Date
R-105	8/22/2023	9/08/2023
R-106	9/08/2023	11/02/2023
R-107	11/02/2023	11/02/2023
R-108	11/02/2023	11/02/2023
R-109	11/02/2023	11/02/2023
R-110	11/02/2023	11/02/2023
R-111	11/02/2023	11/02/2023
R-112	11/02/2023	11/02/2023
R-113	11/30/2023	12/11/2023
R-114	12/11/2023	12/11/2023
R-115	12/11/2023	12/15/2023
R-116	12/15/2023	12/29/2023
R-117	12/29/2023	12/29/2023

South Ponte Vedra & Vilano Beaches



# THANK YOU!



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**Corps of Engineers POC:**

Jason Harrah, Senior Project Manager  
904-232-1381

[Jason.S.Harrah@usace.army.mil](mailto:Jason.S.Harrah@usace.army.mil)

**Flagler County POC:**

Amy Stroger, Project Manager  
386-313-4047

[astroger@flaglercounty.gov](mailto:astroger@flaglercounty.gov)

**City of Flagler Beach POC:**

Dale Martin, City Manager  
386-517-2000

[dmartin@cityofflaglerbeach.com](mailto:dmartin@cityofflaglerbeach.com)

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