



# Isle of Palms Beach Update July 23, 2024



# USACE Beneficial Use Project

- Initial construction underway clearing borrow sites
- Will start placement at Sullivans Island
- Expected to start pumping soon
- First IOP work early October
- 1 bid received for supplemental dune work on IOP



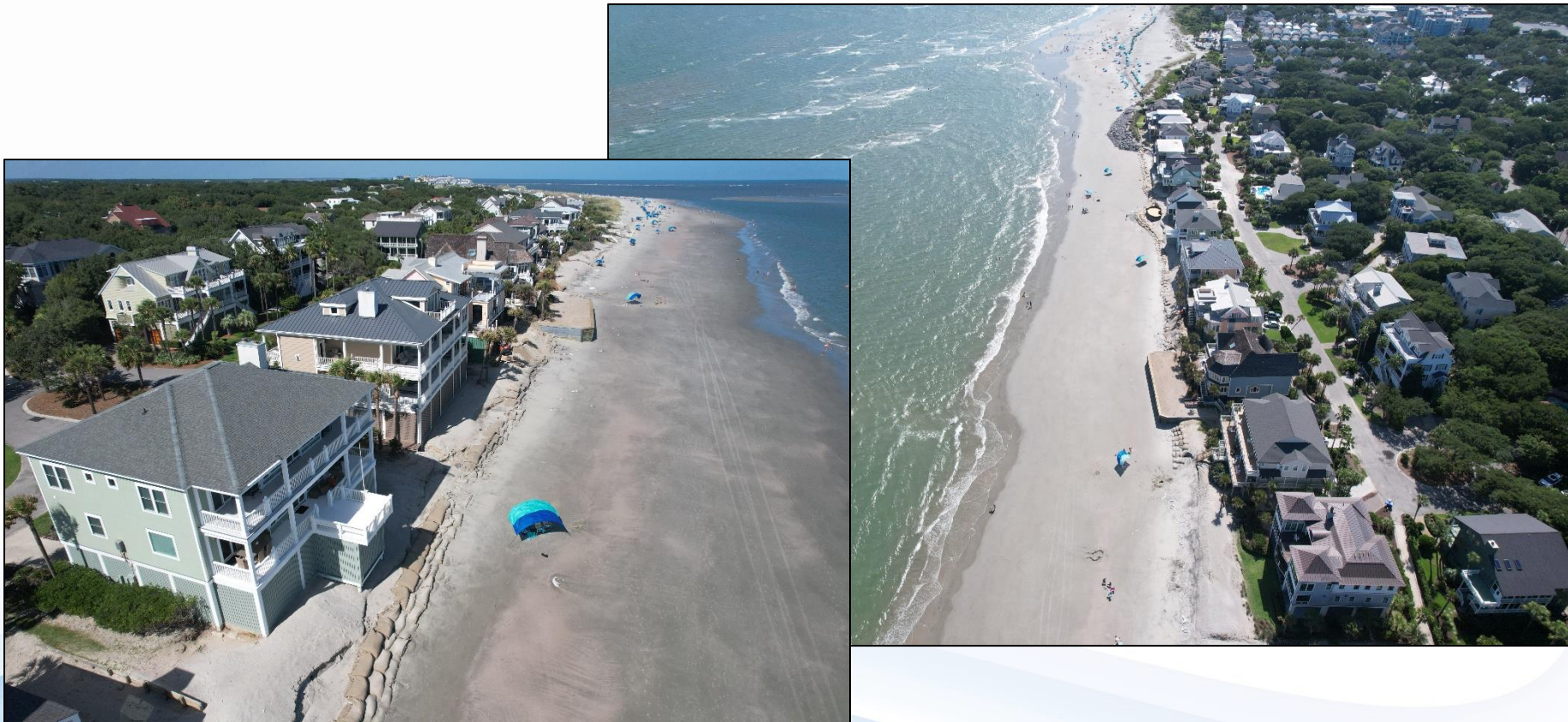
# Shoal Management Project

- Permit out for Public Comment thru 8/23
- Shoal will be accessible within 2-3 months
- Possible project early 2025



# East End Emergency Area

- Additional 100 sandbags starting tomorrow thru next week
- Focus on most vulnerable areas
- Will evaluate condition following installation



# South End Emergency Condition

- Generally stability north of 4<sup>th</sup> Ave
- Mild chronic erosion around 200 block
- Significant gains south of 2<sup>nd</sup> Ave



# South End Condition



# Options for South End

- Erosion hotspot around 200 block
- Continued scraping is possible, but can inhibit natural restoration of profile
- USACE restoration will start around 200 block
- Sandbags can offer more protection during storm events (but likely won't withstand significant storm)
- Recent changes in regulations allow for bags further than 20' from structure under certain conditions
- Bags can be continuous revetment, or individual properties
- Continuous revetment is more stable and protective, but may “protect” properties not under emergency conditions
- Likely 2-3 weeks from notice to proceed to first install

# Sandbag Scenarios

*Does not include cost of bond or removal*

<b>Full Sandbag Revetment</b>		<b>Sandbags at Properties Within 20'</b>	
Properties (13)	130-304	Properties (5)	202,204,206,212,214
Distance	1,200	Distance	430
Length of bag	6	Length of bag	6
Rows of bags	4	Rows of bags	4
Number of bags	800	Number of bags	287
Cost of bag	450	Cost of bag	450
<b>Total Cost</b>	<b>\$360,000</b>	<b>Total Cost</b>	<b>\$129,000</b>

