

Isle of Palms Beach Management Update

October 14, 2025



USACE Project

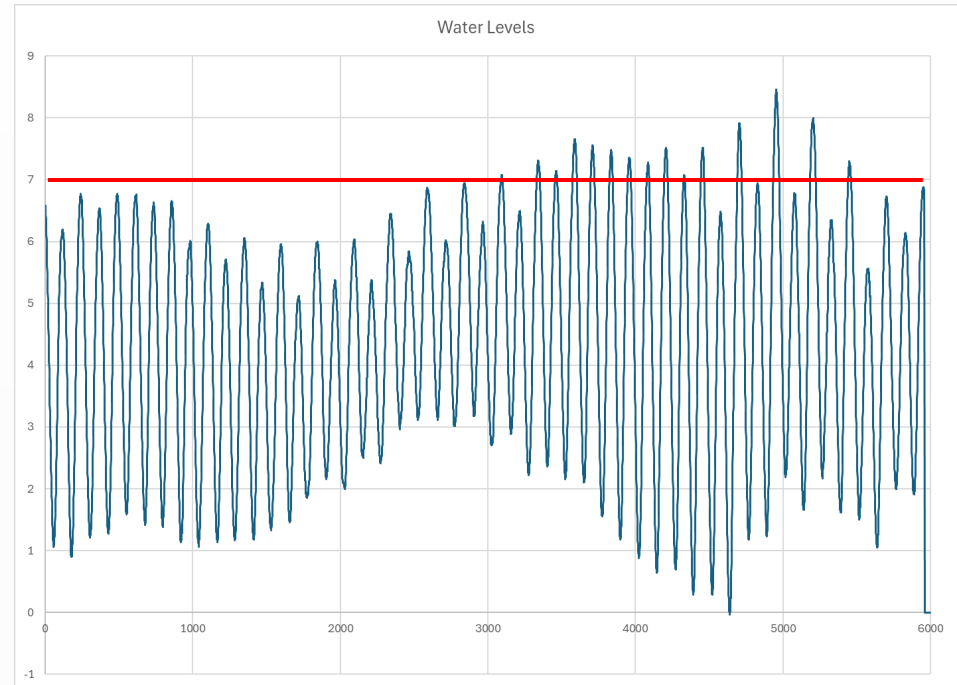
- Work paused the past few weeks to allow equipment to move to a new disposal island
 - Contractor is changing construction method to directly dredge material from within the island
 - Pumping expected to resume later next week
 - New areas expected to contain better sand material
 - ~300,000 cy remain to be placed
-
- AIWW project is ~~out for bid~~ AWARDED
 - Will add an additional ~~~350,000 cy~~ 250,000 cy
 - Project likely to start around in early 2026
 - Material placement 4-7th Avenues

Large-scale Nourishment – Permit Status

- Permit application has been submitted. Public notice period should start any day (pending federal furlough).
- CSE will respond to any comments
- USFWS BO is key time component
- Permit may be issued as early as March 2026 on accelerated schedule
- City could consider construction schedule of spring 2026
 - Will require final design and bid coordination
 - Anticipated permit conditions would be included in bid
 - Federal shutdown may impact permit progression

Recent Storm Impacts

- Continued northeast winds since late September with Hurricane Imelda
- Water level 'setup' added to 'king tides' to produce 15 tides over 7 ft (MLLW).
- Northeast end of island most impacted as water levels topped normally protective shoals



Northeast End



Beachwood East/Seagrove



South End



Recommendations

- South End
 - Maintain slumped sandbags along 3 properties and extend bags along two additional properties to the south where a pool is within 20' of the tide line
 - Total of ~160 bags
- Northeast End
 - Extend Sandbags to cover east portion of Port-O-Call
 - ~200 bags
 - Note Seascape and Ocean Club have purchased bags in addition to City and are in the process of installing them
- Beachwood
 - City has already purchased ~250 bags that need to be installed. Returning area to +8ft criteria will require an additional ~300 bags
- Total new bags ~660 at \$297,000

Recommendations

- CSE and the City have spoken to contractor about mobilizing additional crews to expedite work and separate City-sponsored work from additional bag purchases
- Standard for protection is for reasonable protection during typical weather conditions (+8 ft NAVD). Designing for storm impacts will at least double or triple amount of bags and damage still possible
- Ongoing maintenance will be required

Recommendations

- Targeted shoal management
- Transfer of sand to repair some of the storm damage along dunes
 - Would work in tandem with sandbags to protect upland areas
 - Not intended for large-scale beach restoration
 - Allow for maintenance of structures
- Sandbar manipulation
 - Reconfigure sandbar to reduce the chance of channel-induced erosion along Beachwood East
 - Accelerates onshore sand movement in targeted area
 - Limited transfer of sand landward of bags
- Total sand volume moved ~25,000 cy for ~\$205,000 plus soft costs.

Targeted Shoal Management



- 
- End of slides