

# City of Isle of Palms Beach Preservation Committee

## Alternatives Analysis Update



# Outline

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- ◆ Review of HHI Beach Management Baseline Example
- ◆ IOP Beach Management Baseline– Update
- ◆ Regulatory Meetings – Update
- ◆ Next Steps

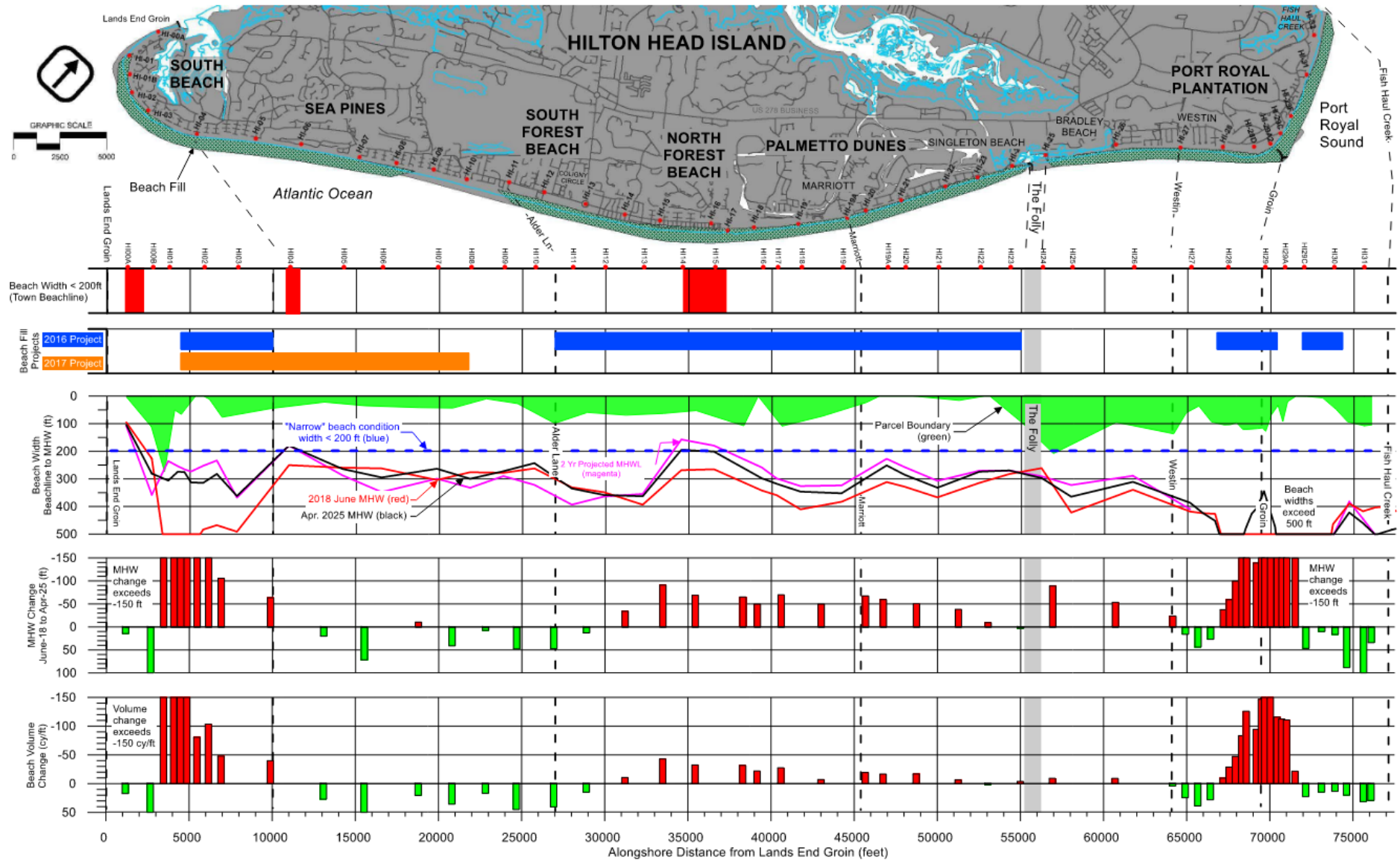


Figure 2-1: Beach width, MHWL, shoreline change, and beach volume change along the Hilton Head Island shoreline. Change is based on the period from June 2018 to April 2025.

## 2.2 Current Beach Condition (April 2025)

In this section, the current beach condition is described by the island's beach width, which is represented as the distance from the **Town's Beachline**<sup>5</sup> to the MHW shoreline (MHW, +3.72 ft NGVD29) of the April 2025 survey. The April 2025 survey was completed April 17-18, 2025, by Arc Surveying & Mapping, Inc. (Arc), of Jacksonville, Florida.

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<sup>5</sup> The Town's Beachfront Line is a local regulatory line adopted by the Town in December 2006 and is defined as having the same location as the 1999 OCRM Baseline. No development may be further seaward than this line.

<sup>10</sup> The RMBC was established as a basis to evaluate the condition of the island’s beaches relative to an assumed “minimum” width that the Town might want to consider (based on the April 1997 survey). The defined RMBC was never *formally* adopted by the Town. In this instance, it is simply used as a basis for discussion of conditions as they relate to a historical condition.

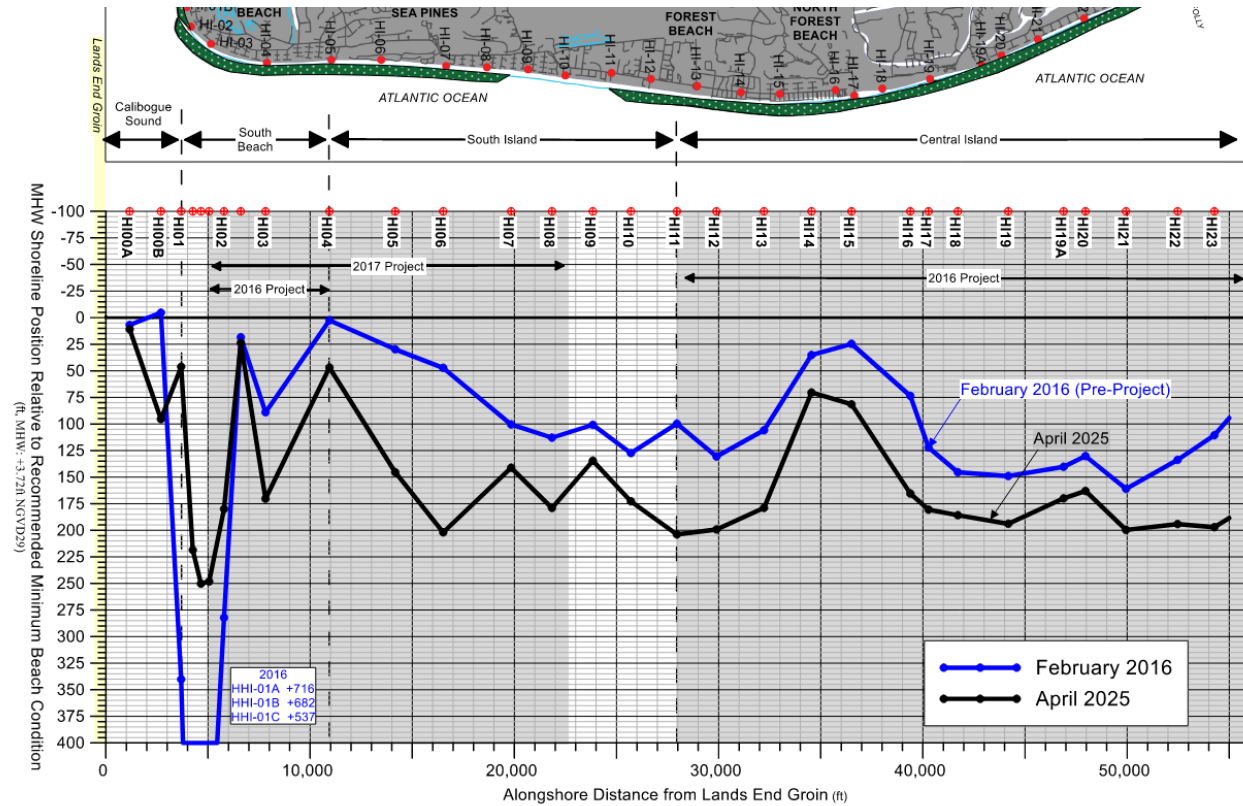
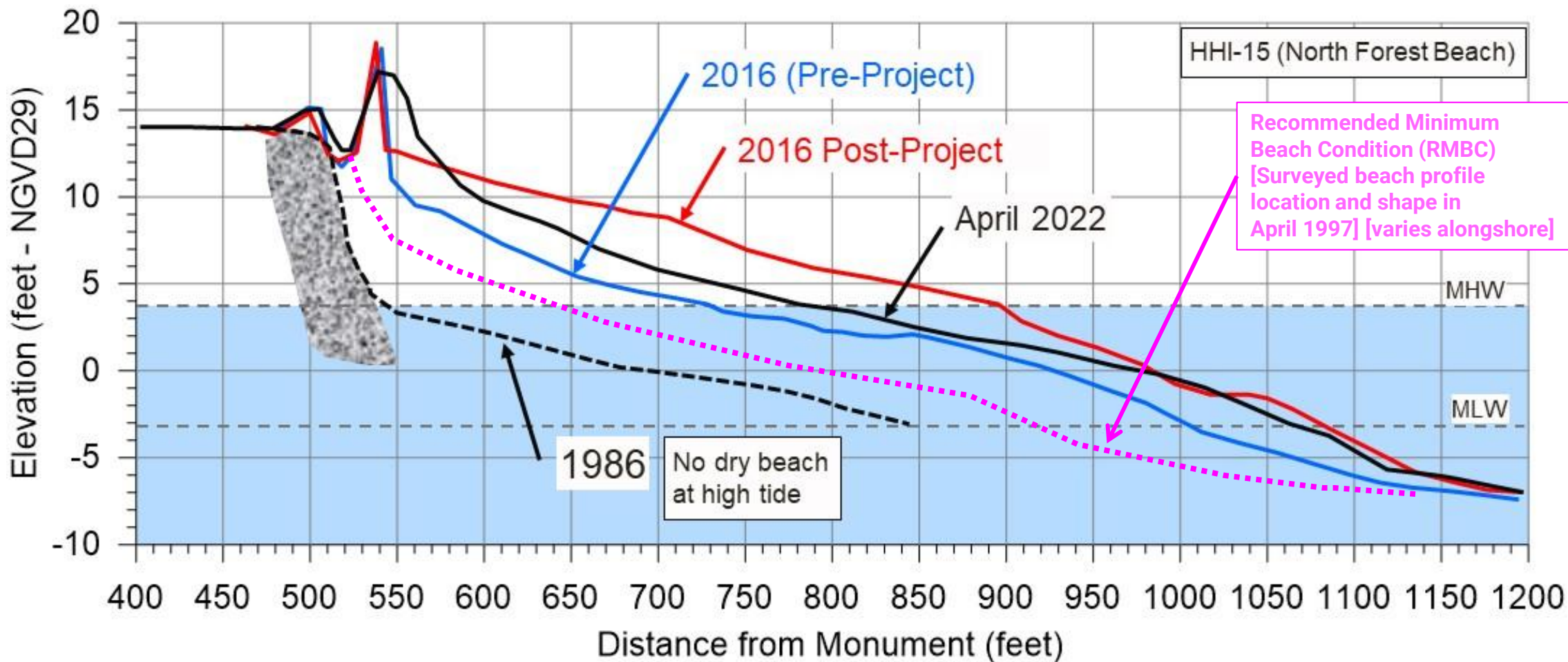
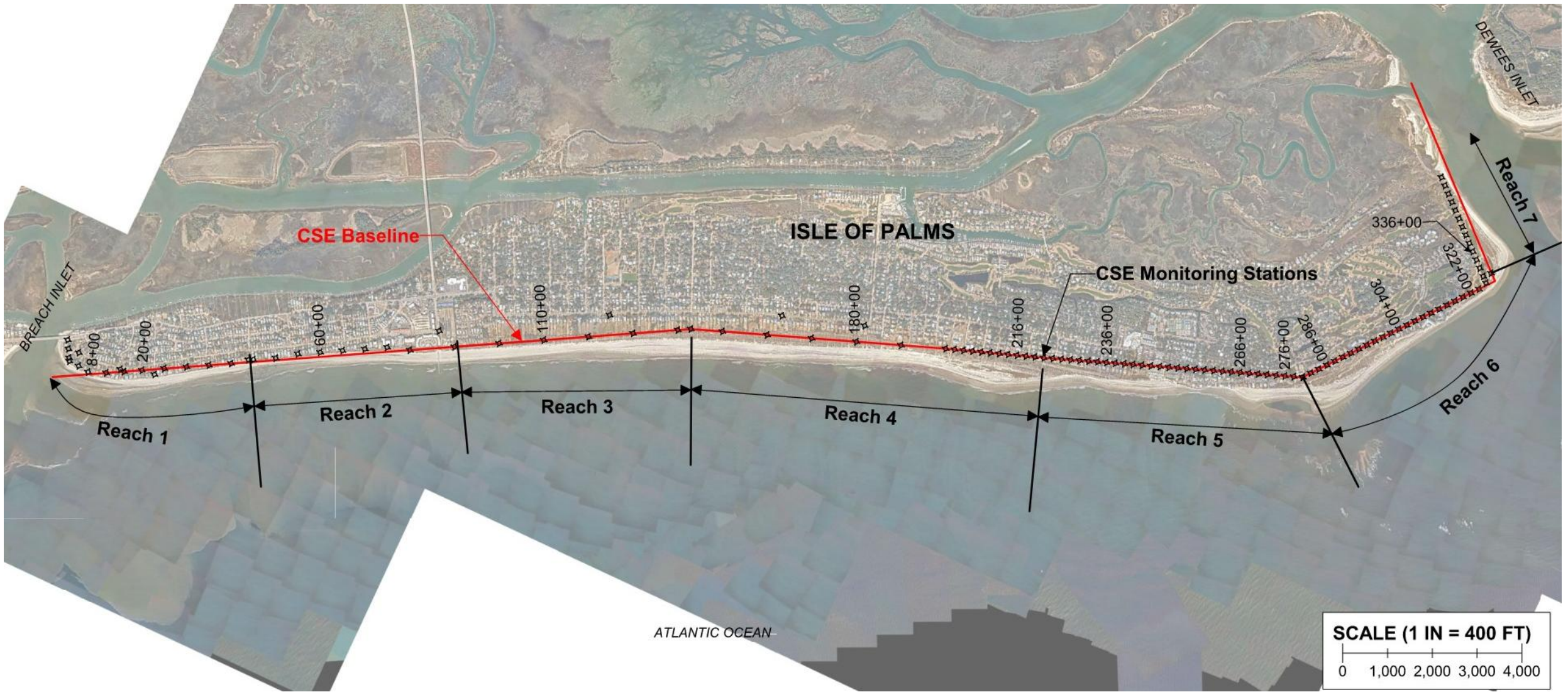


Figure 2-13: April 2025 Mean High Water shoreline position along Hilton Head Island relative to the Recommended Minimum Beach Condition.



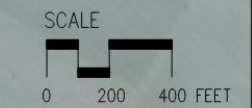


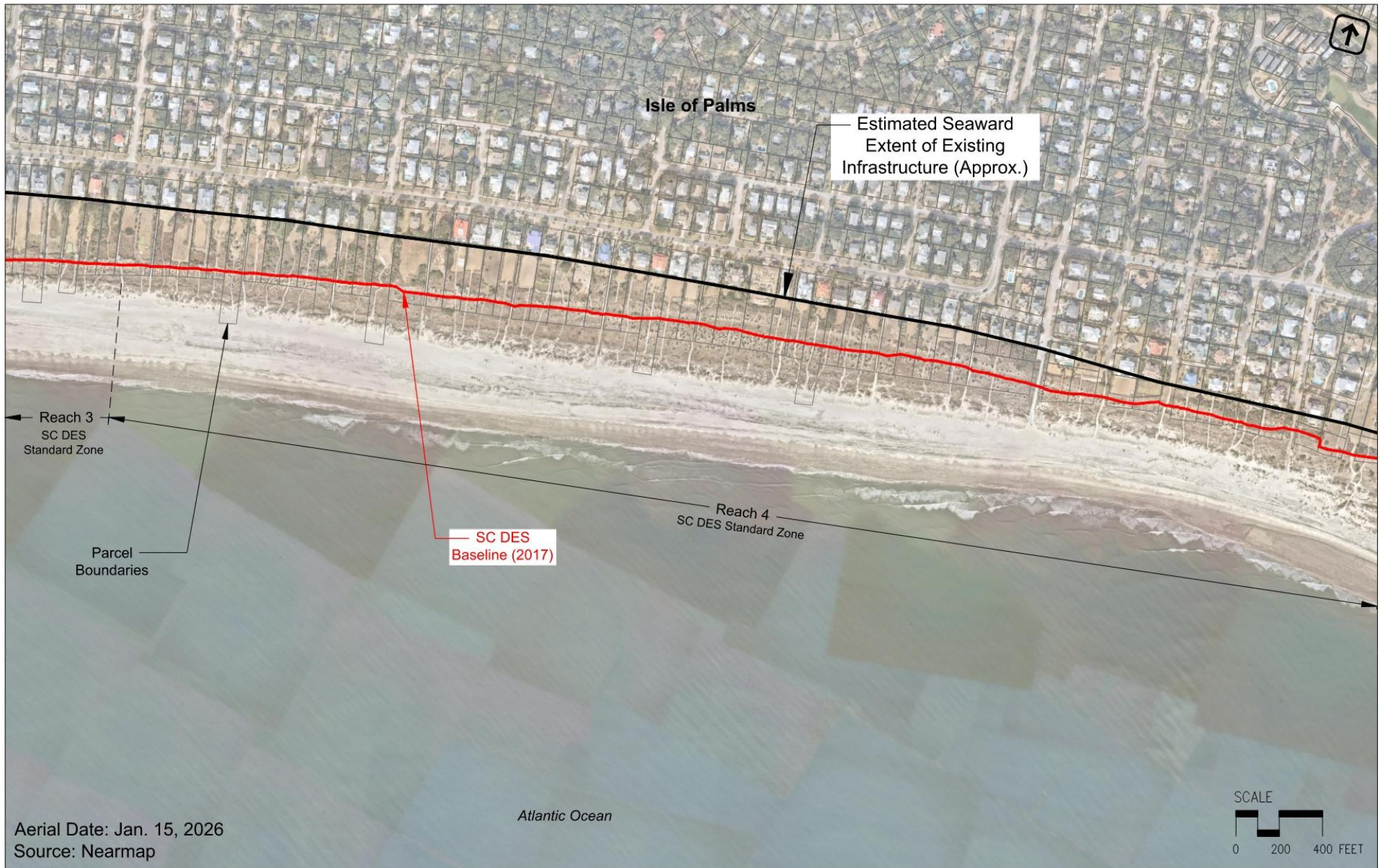






Aerial Date: Jan. 15, 2026  
Source: Nearmap





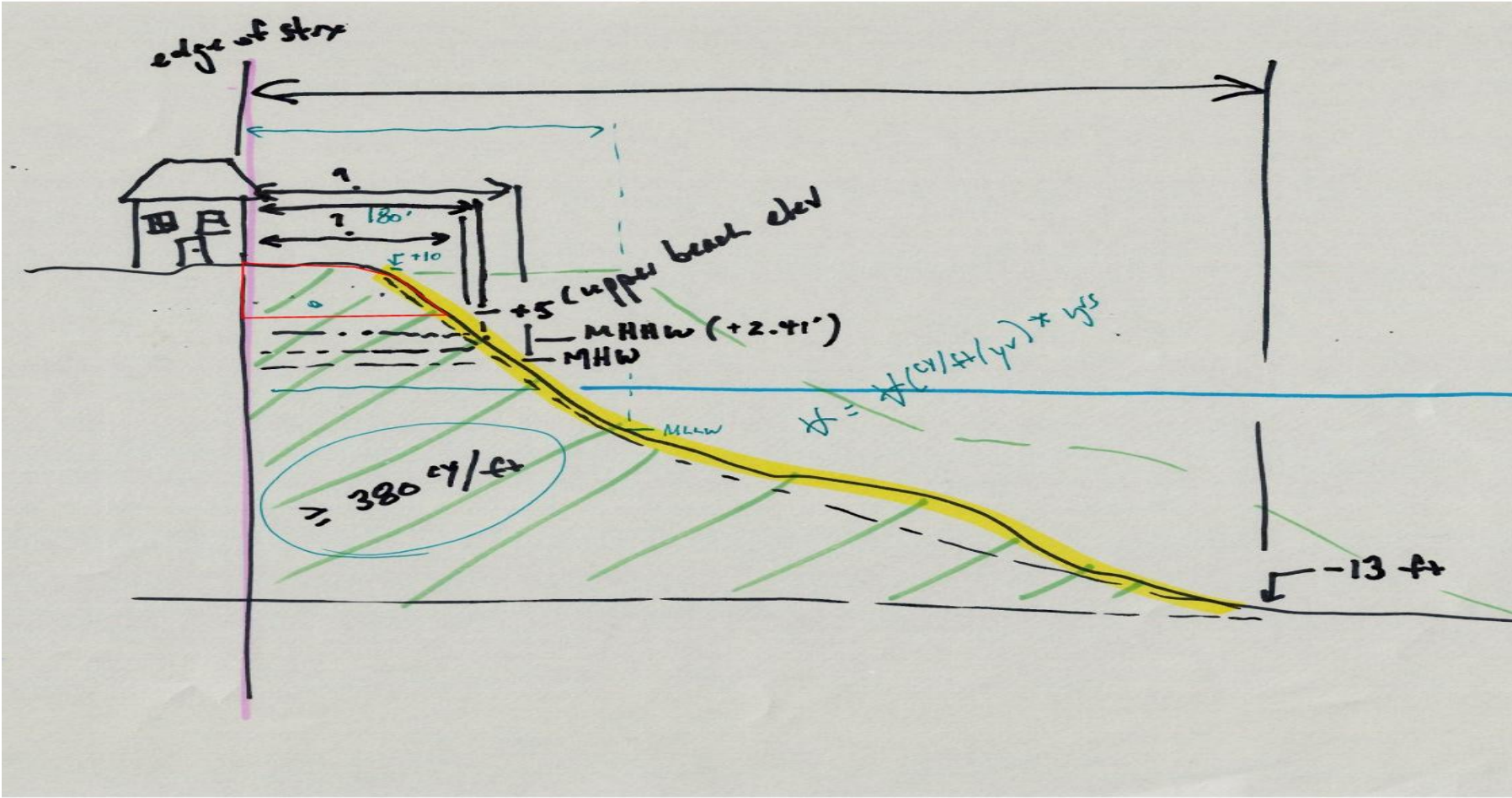




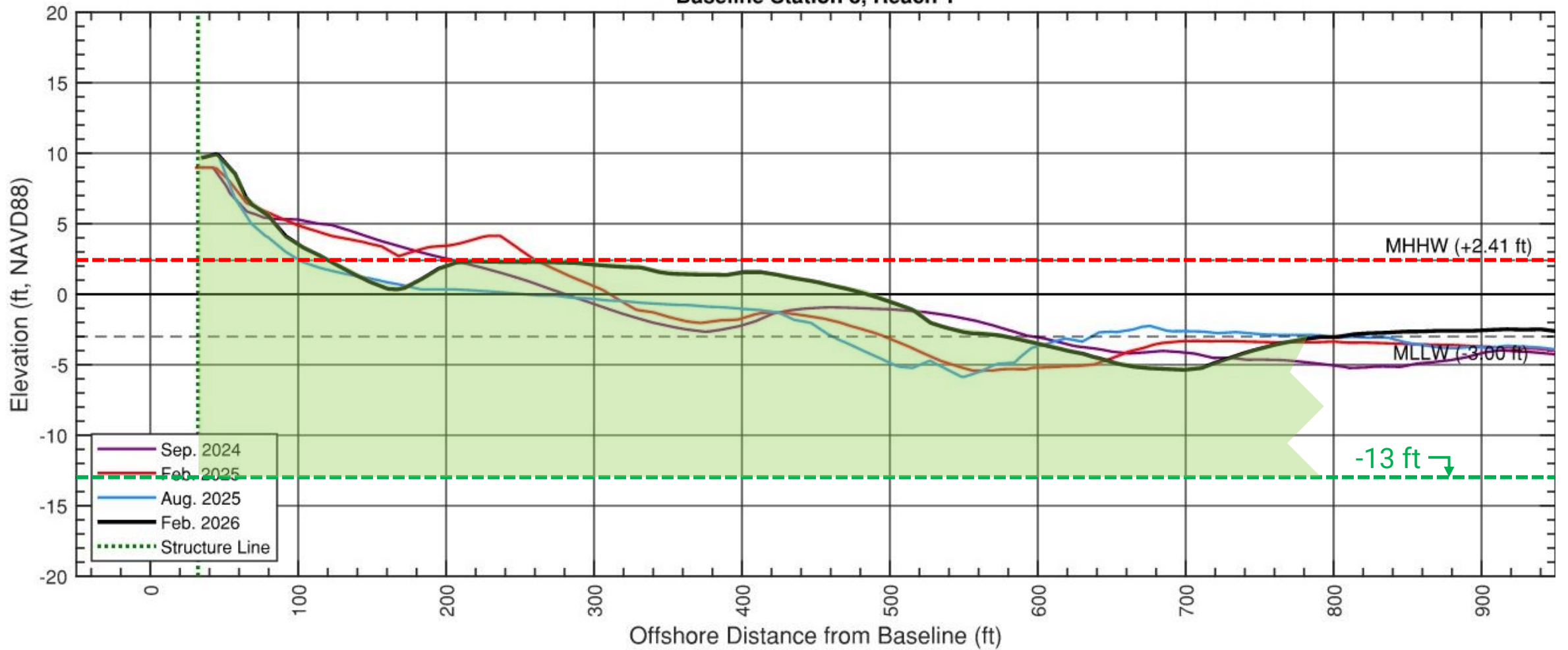


# Sketch of Total Profile Volume Concept

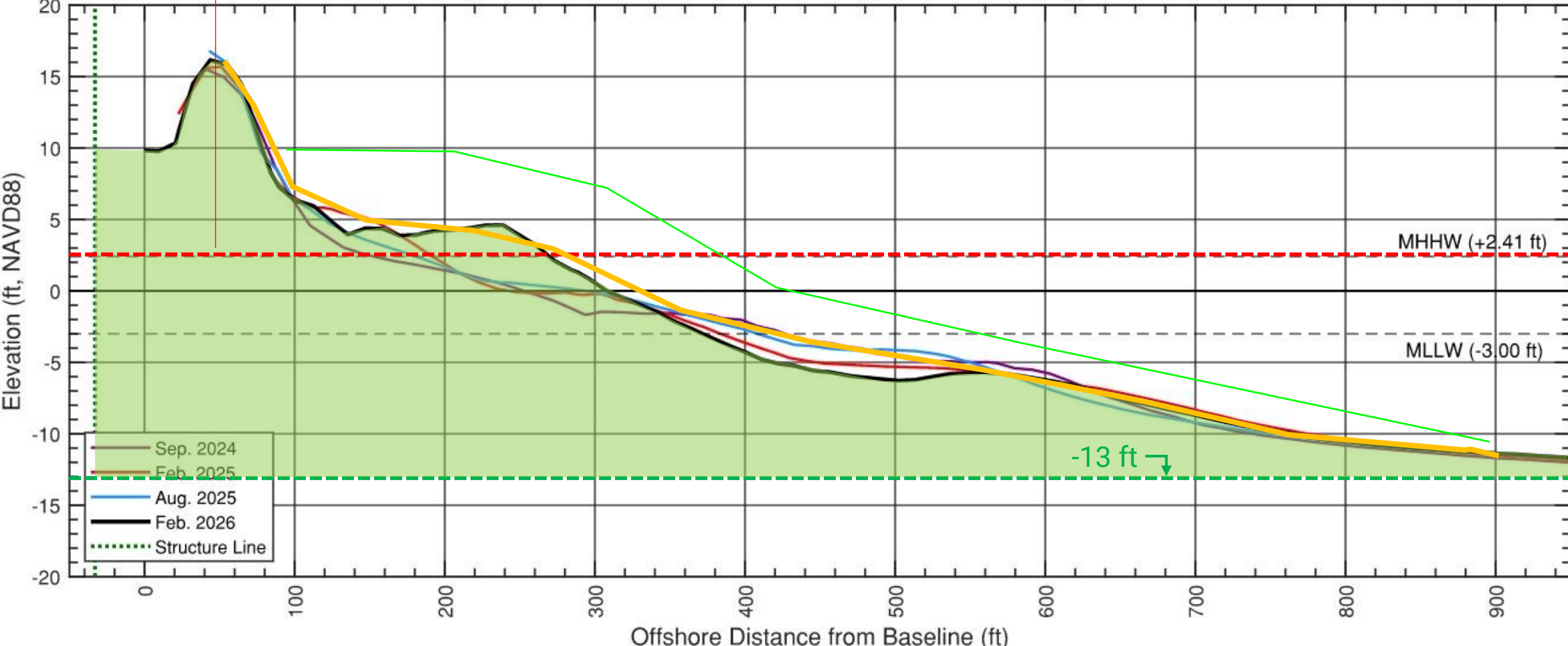
(Beach condition monitoring used by IOP and CSE)



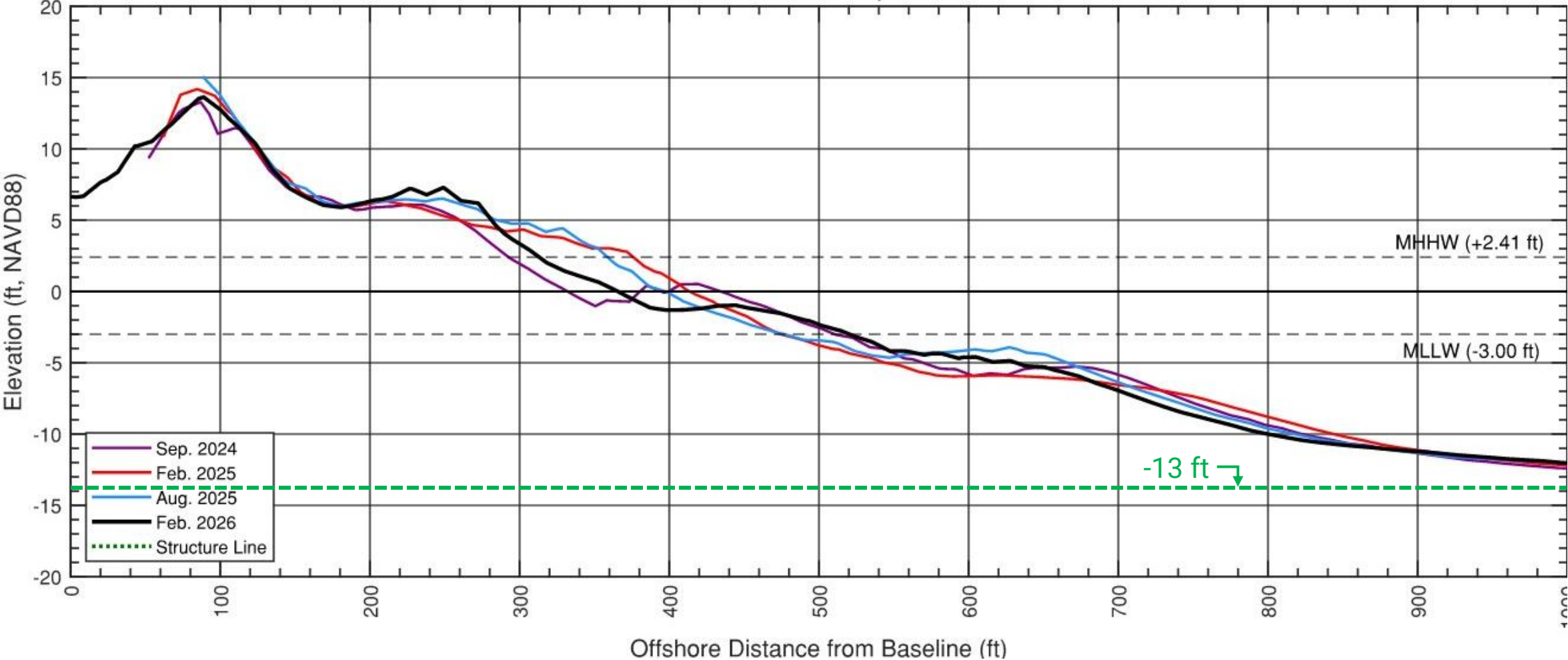
### Baseline Station 8, Reach 1



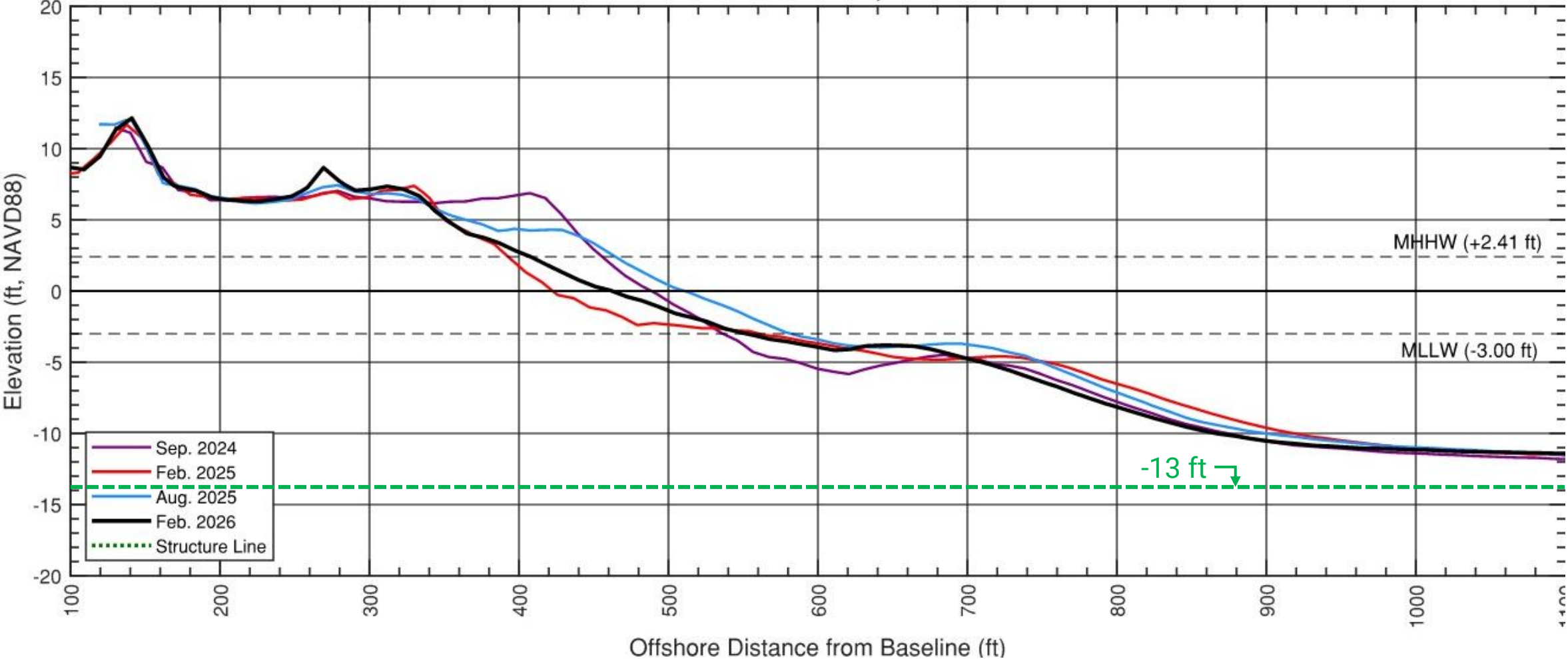
### Baseline Station 60, Reach 2



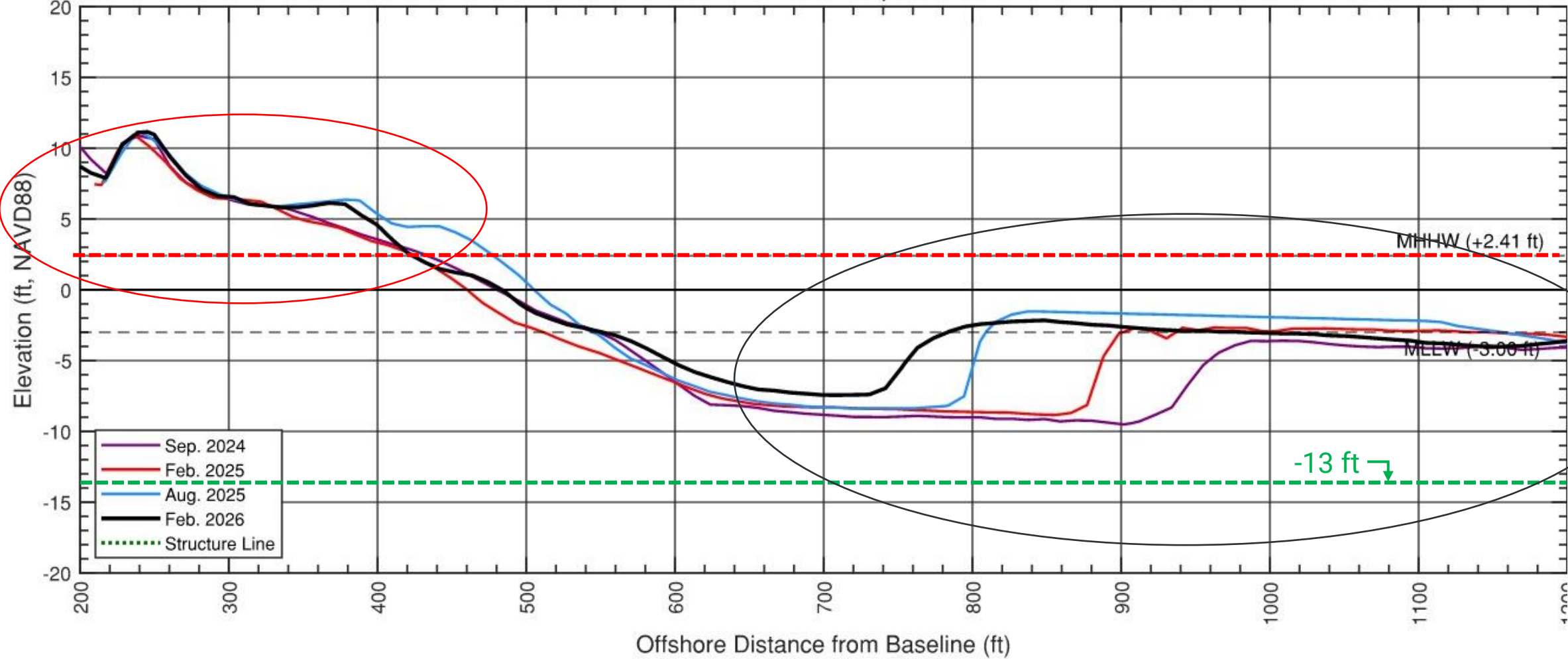
Baseline Station 110, Reach 3



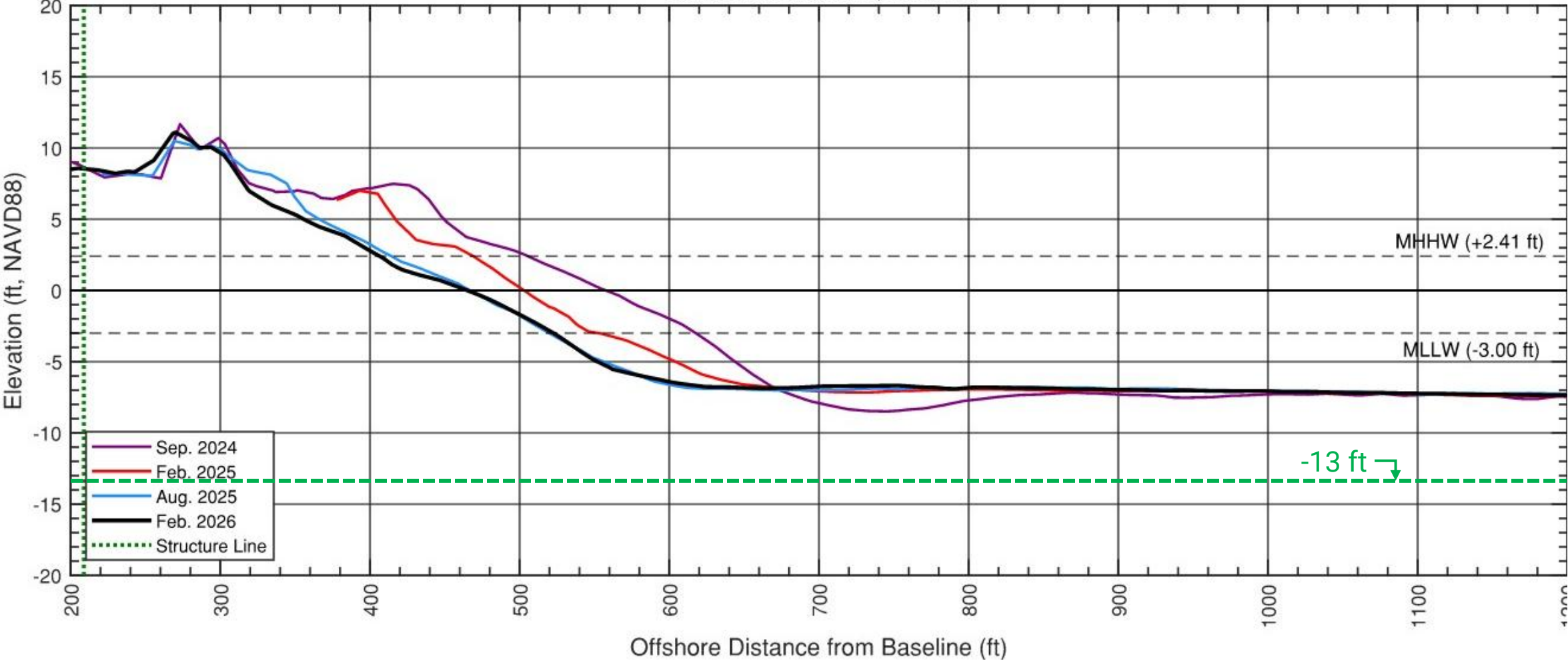
Baseline Station 180, Reach 4



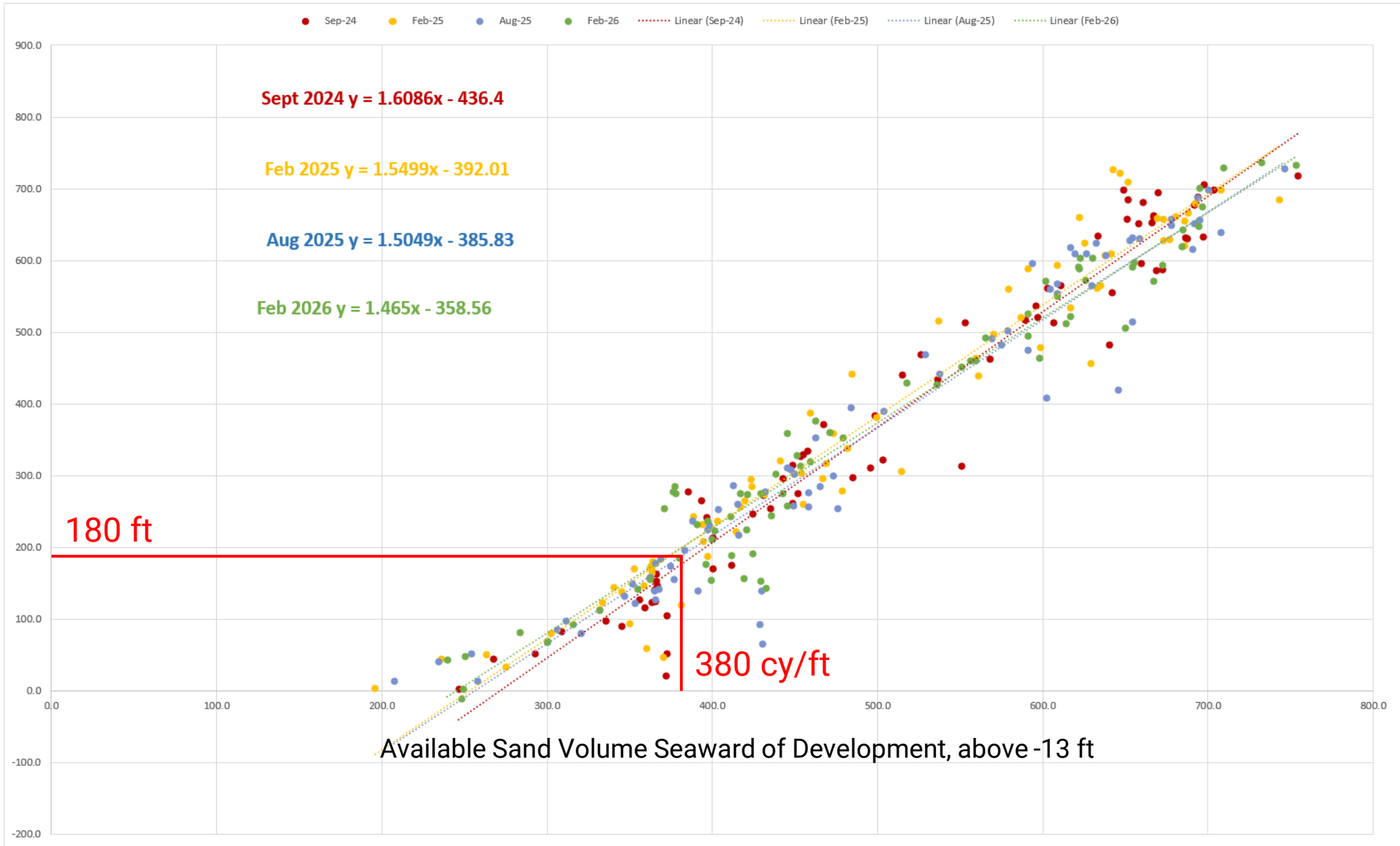
Baseline Station 278, Reach 5



Baseline Station 304, Reach 6



Distance from Edge of Development to MHHW (feet)



# Next Steps

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- ◆ Establish a “Study” Baseline
  - Recommend X-ft seaward of Development to Dune Crest
- ◆ Develop Alternative Details
  - Scope and Probable Quantities
- ◆ Initial Cost Analysis
- ◆ Review Preliminary Findings during July 2 Meeting