



Panama City Beach Beach Update

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Agenda

- ▶ 2018 Post-Construction Monitoring Results
- ▶ Hurricane Michael Impacts (prelim)

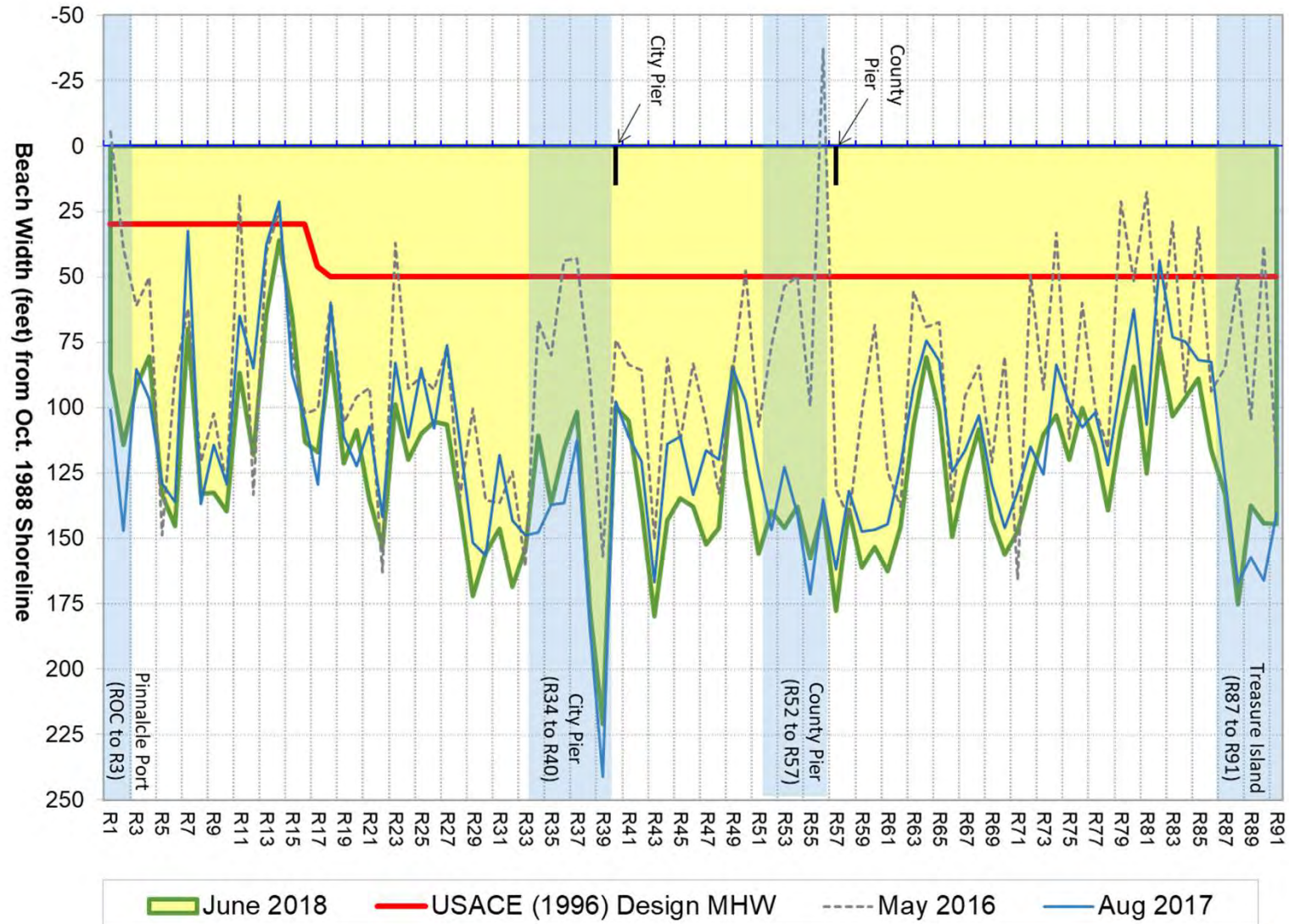


Status August 2018

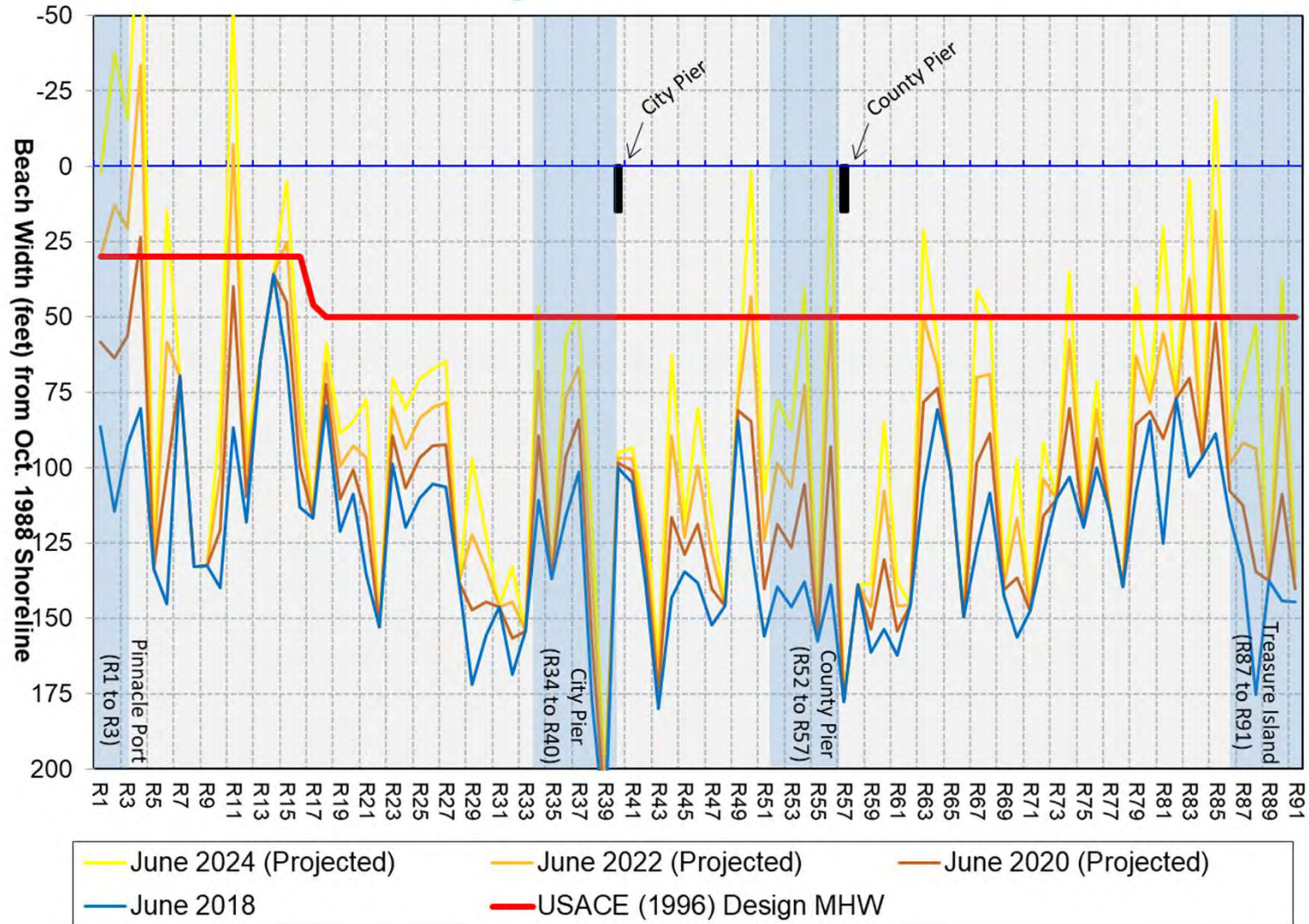
	MHW Shoreline Change Since Construction (Aug 2017 to June 2018)	Volume Change Since Construction (Aug 2017 to June 2018)
Federal Project Area (R1-R91)	+8.7 ft.	-367,100 CY
2017 Project Areas	-7.8 ft.	-181,900 CY



Beach Width 2018



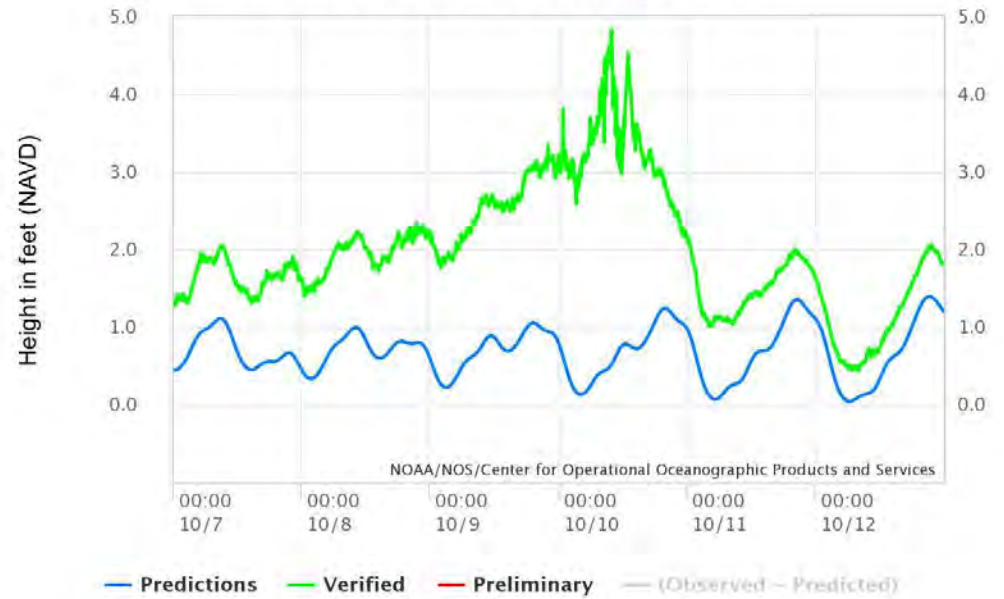
Performance Projection



October 2018 Hurricane Michael



NOAA/NOS/CO-OPS
Observed Water Levels at 8729210, Panama City Beach FL
From 2018/10/07 00:00 LST to 2018/10/12 23:59 LST



Before/After

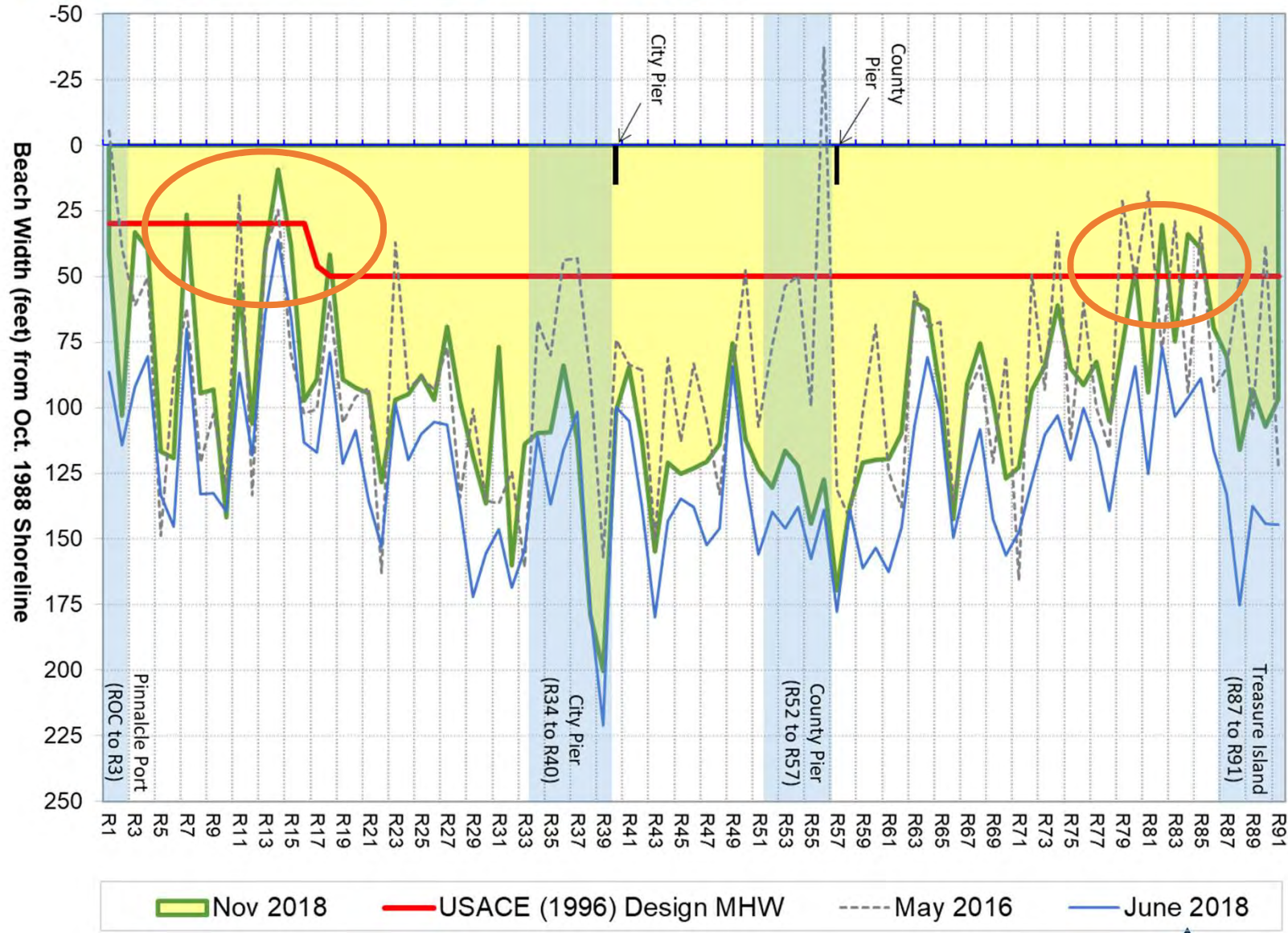


Storm Losses (preliminary)

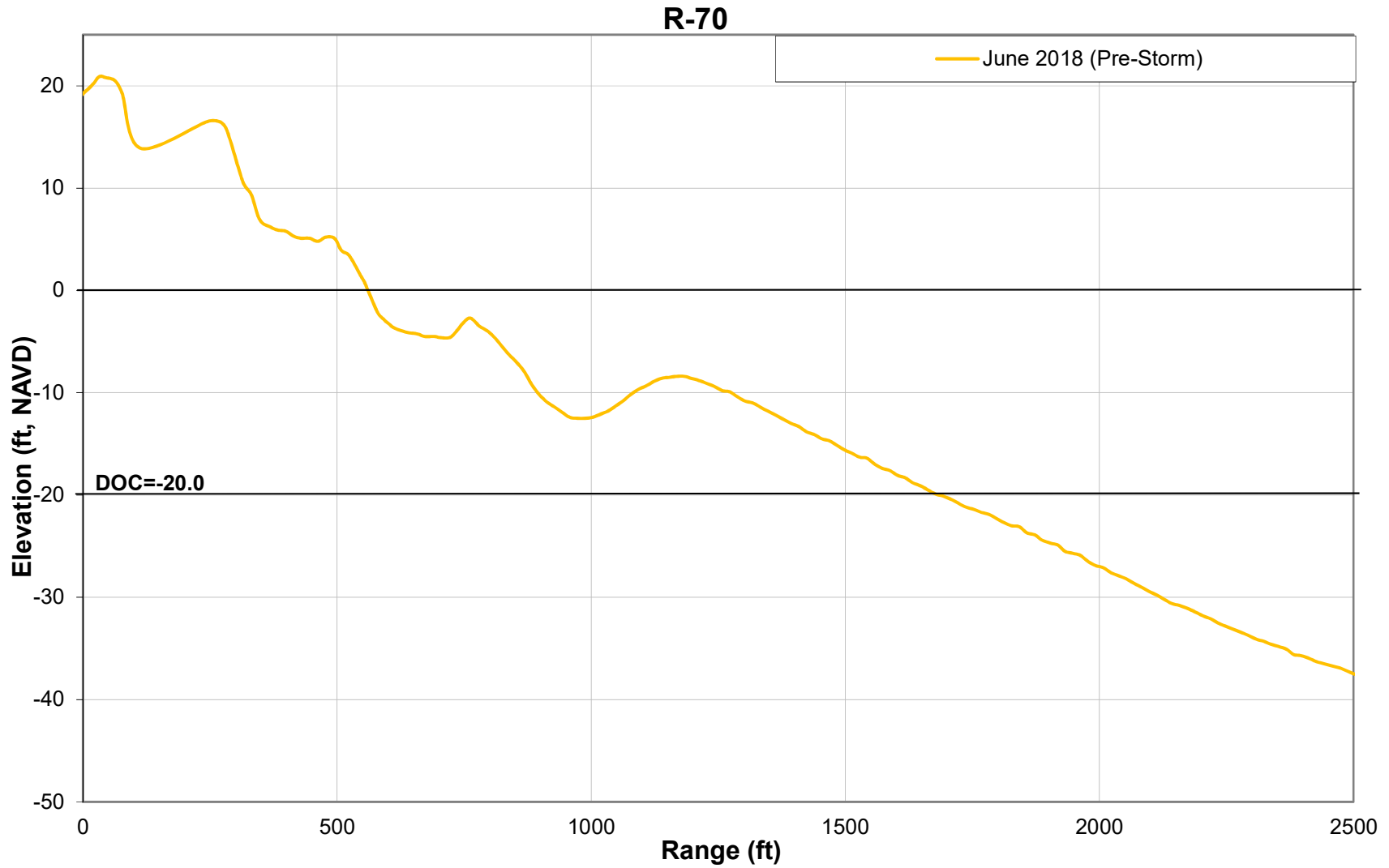
	MHW Shoreline Change (June to Nov. 2018)	Volume Change Above MHW (June to Nov. 2018)	Volume Change Above DOC (June to Nov. 2018)	Volume to Fill Permitted Template
Federal Project Area (R1-R91)	-28.0 ft.	-507,000 CY	-545,000 CY	2.7 MCY
2017 Project Areas	-24.4 ft.	-152,000 CY	-95,000 CY	585,000 CY



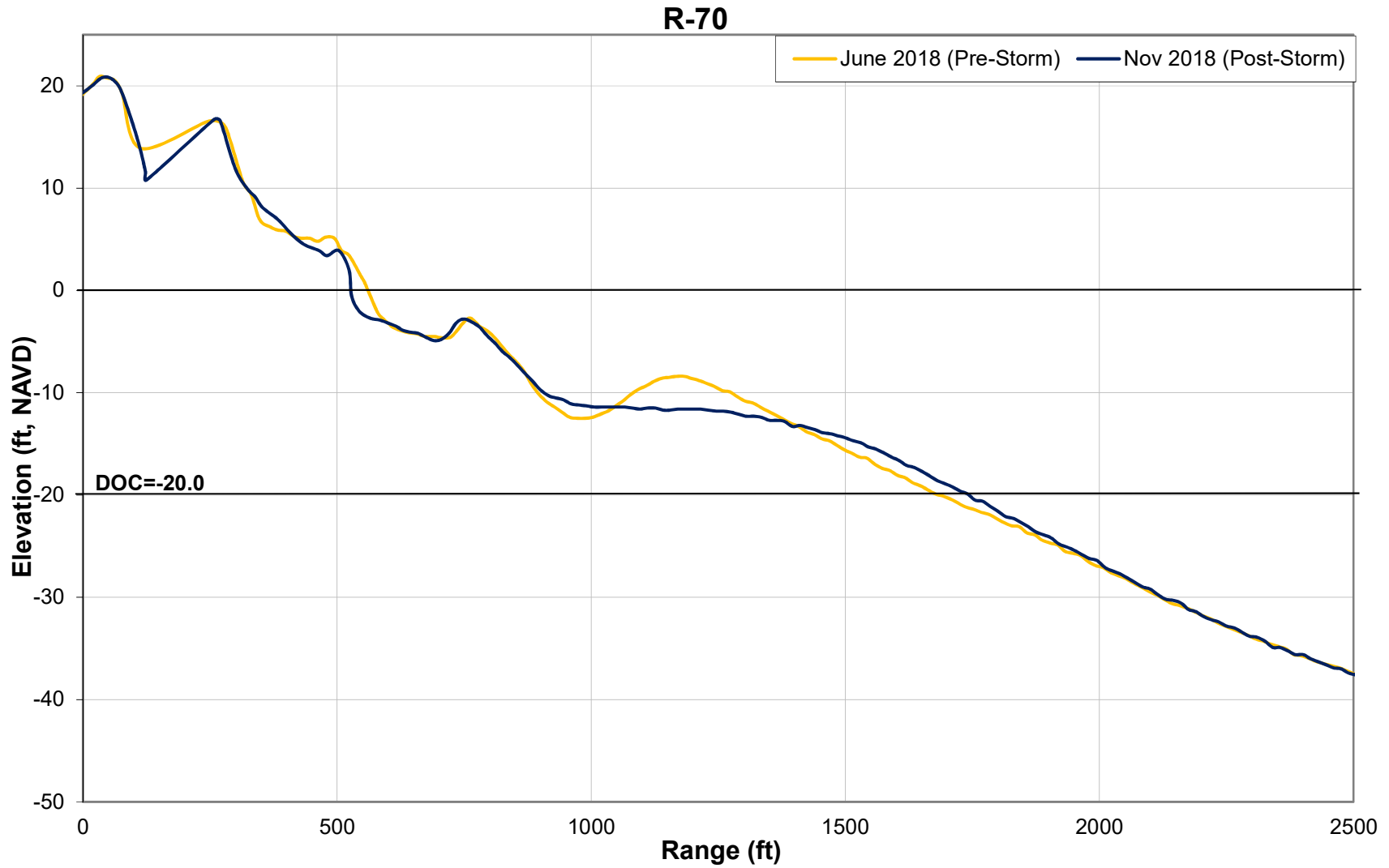
Post-Storm Beach Width



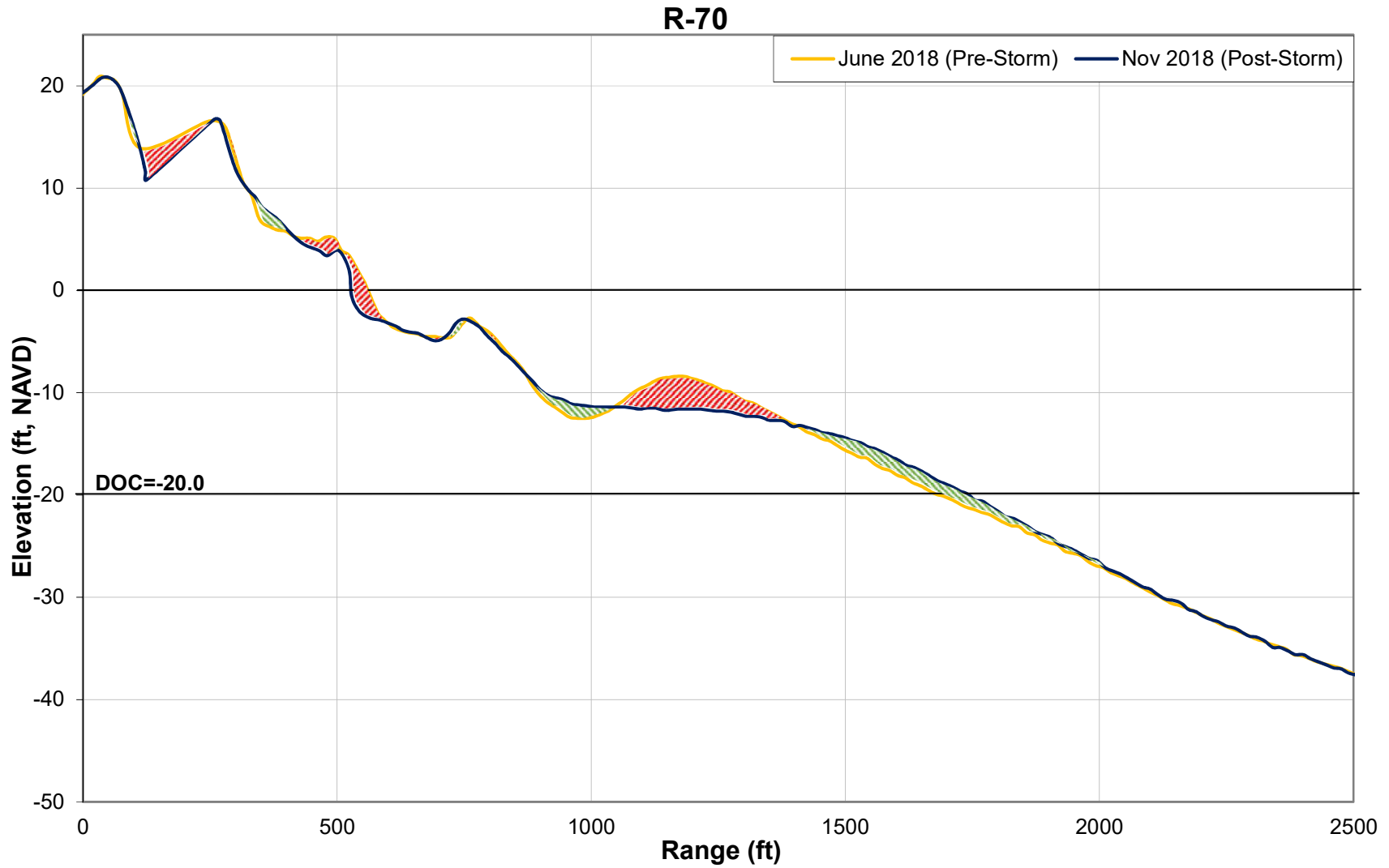
Eastern Reach R-70



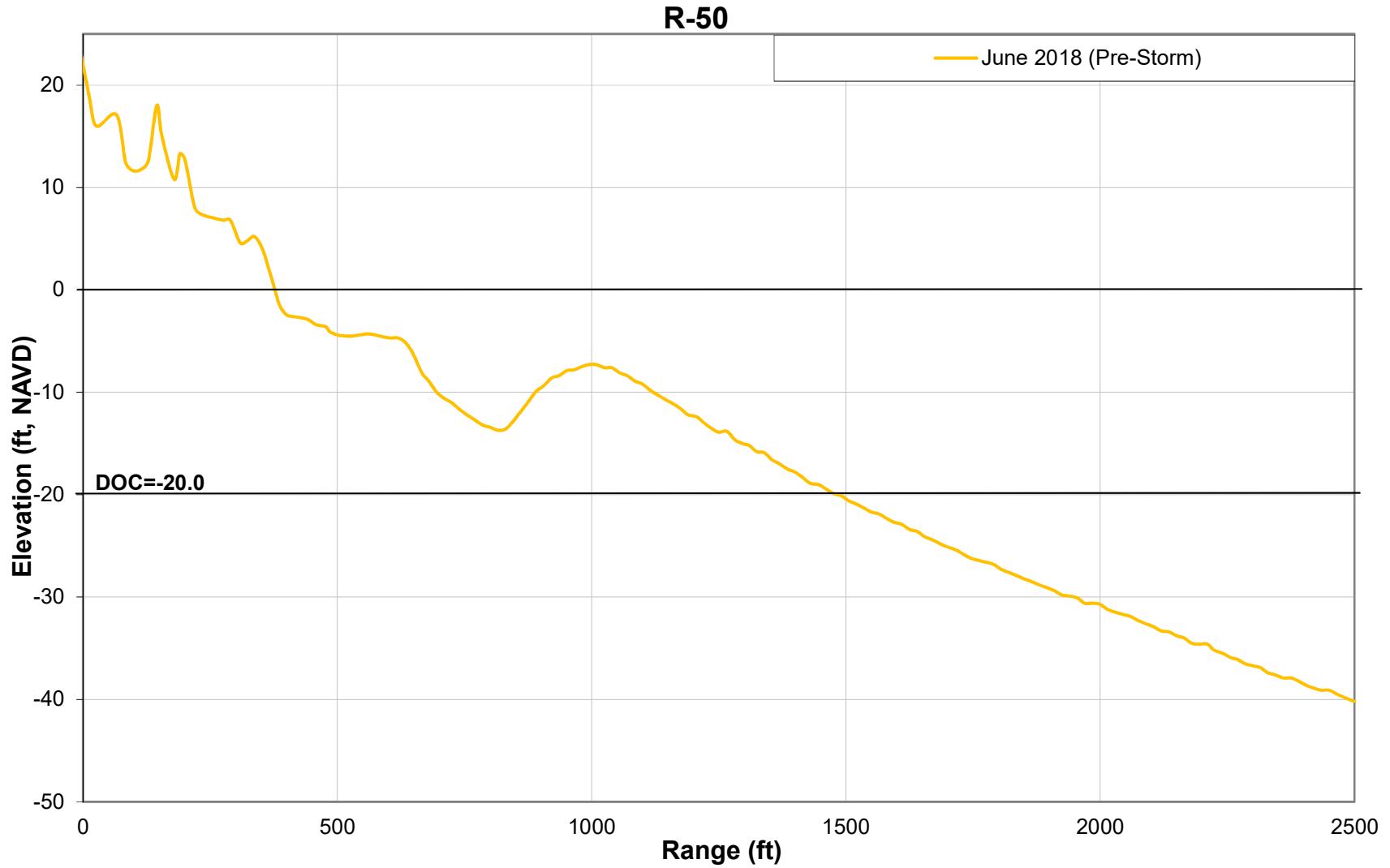
Eastern Reach R-70



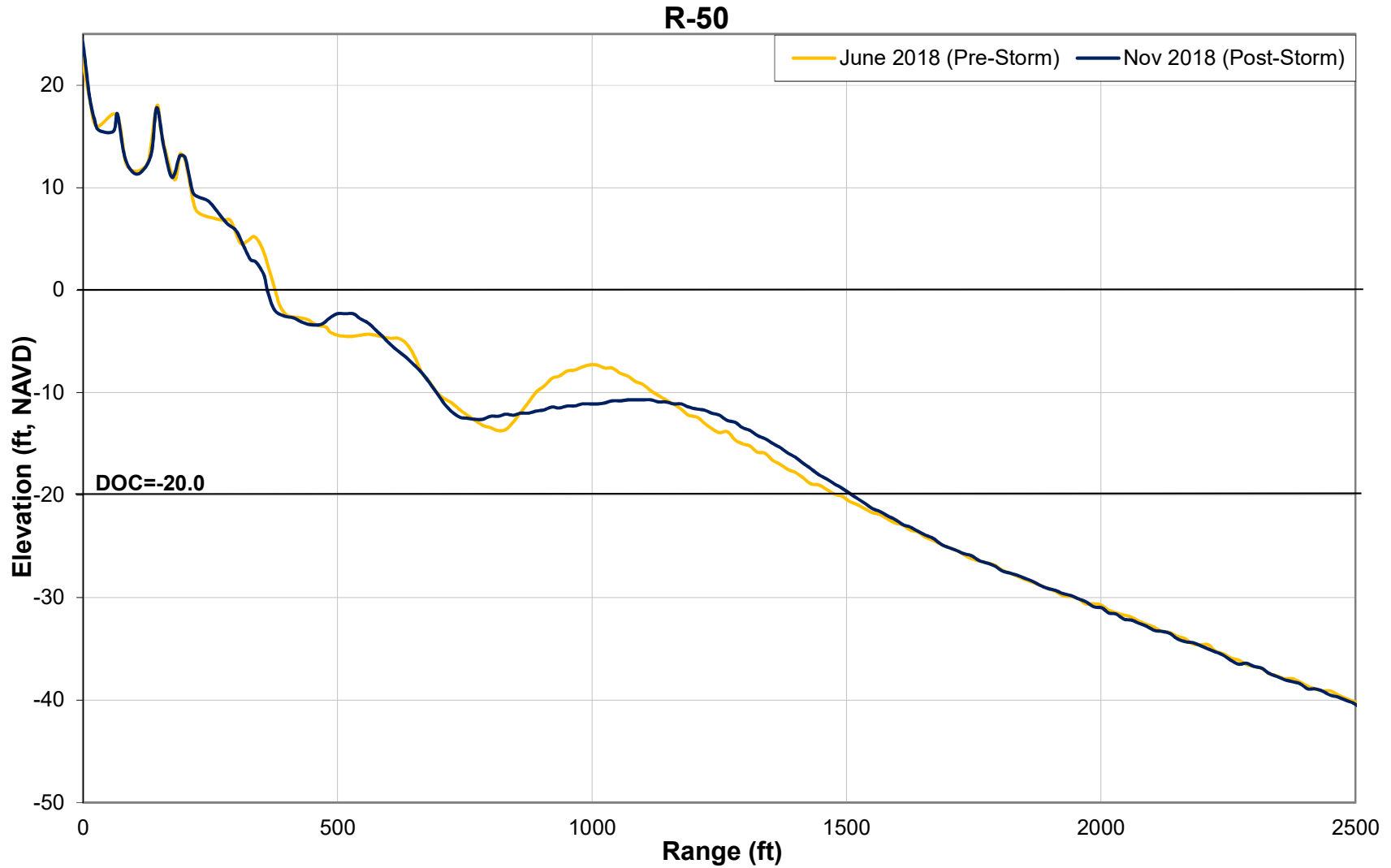
Eastern Reach R-70



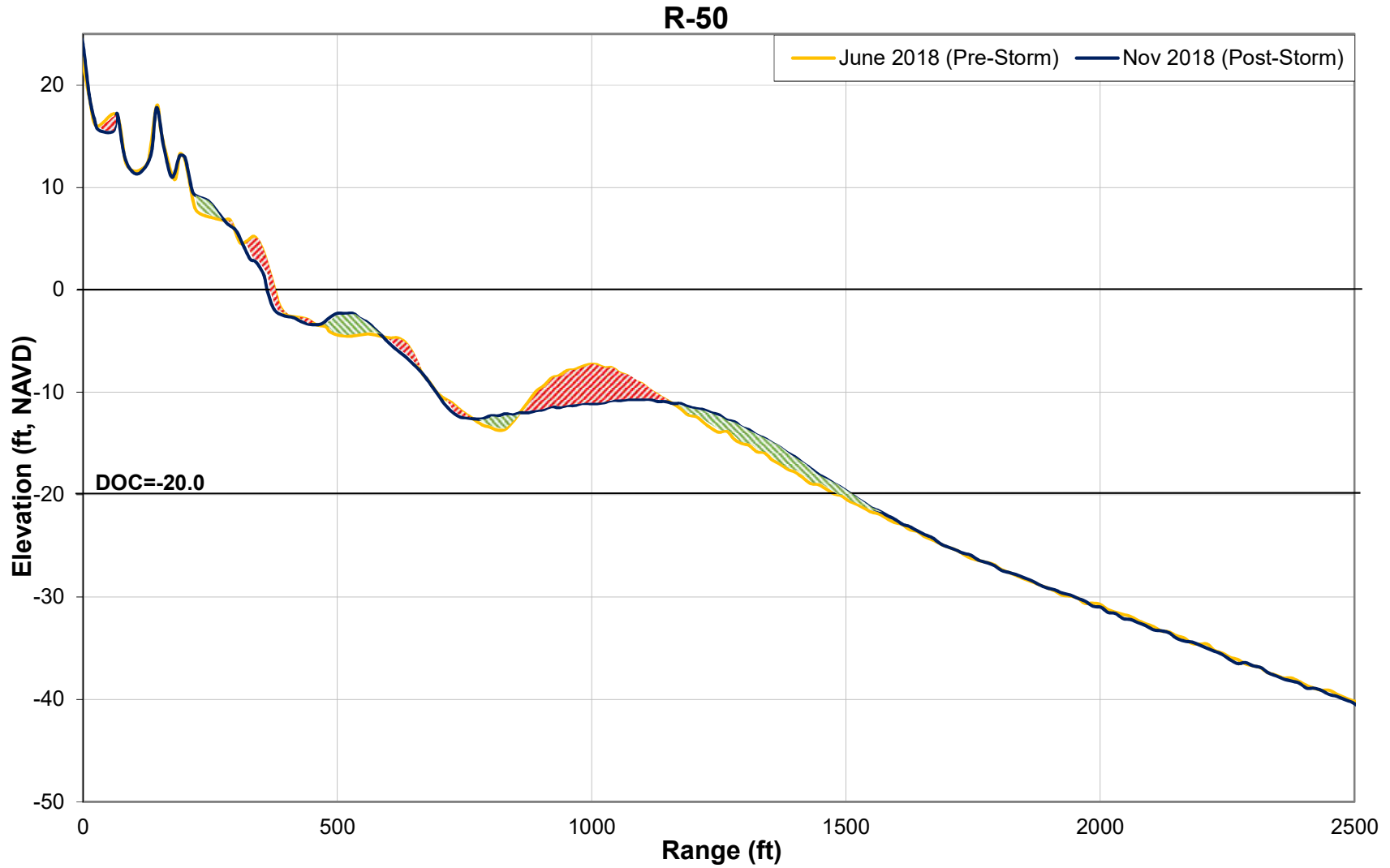
Middle Reach R-50



Middle Reach R-50

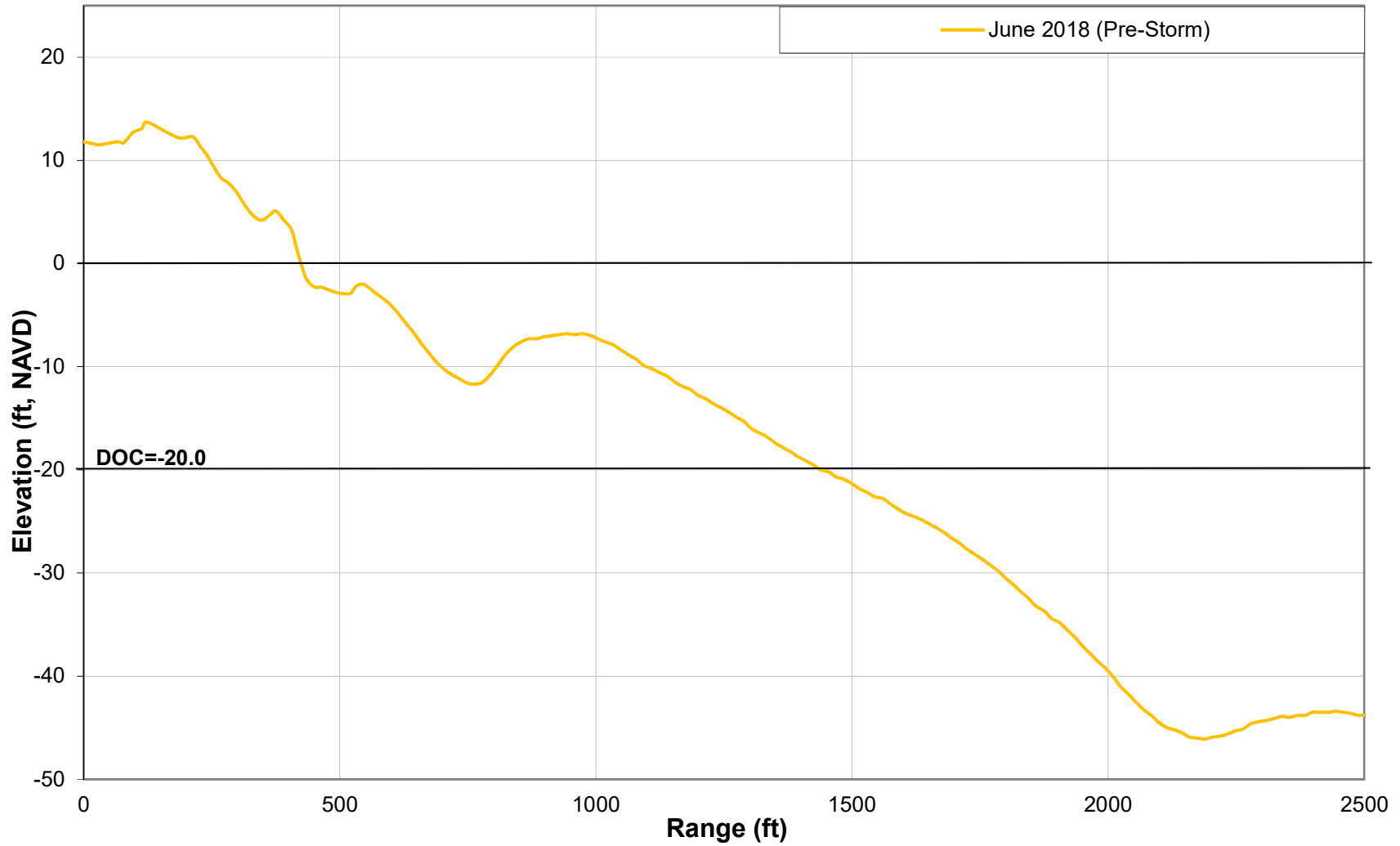


Middle Reach R-50



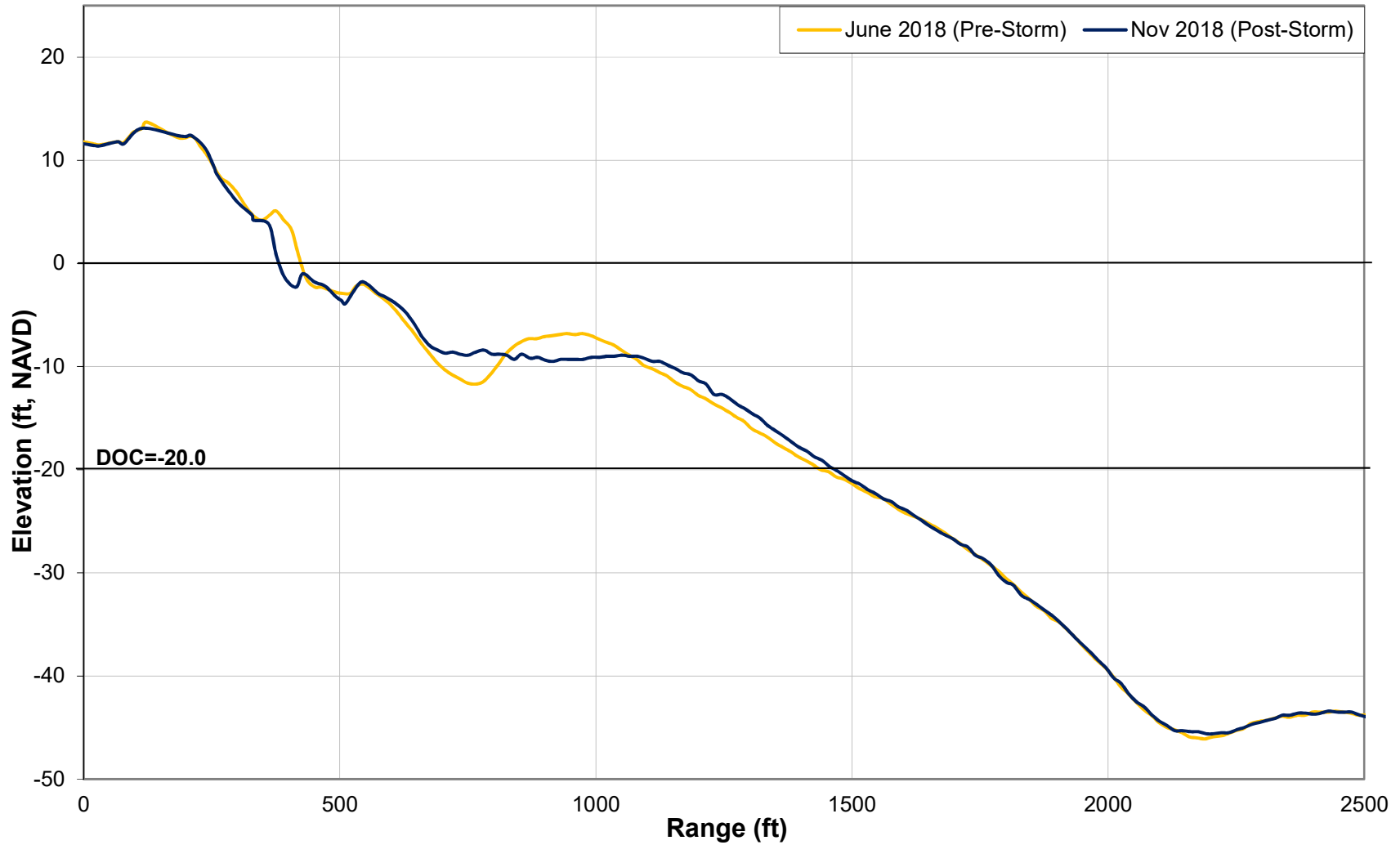
Western Reach R-7

R-7



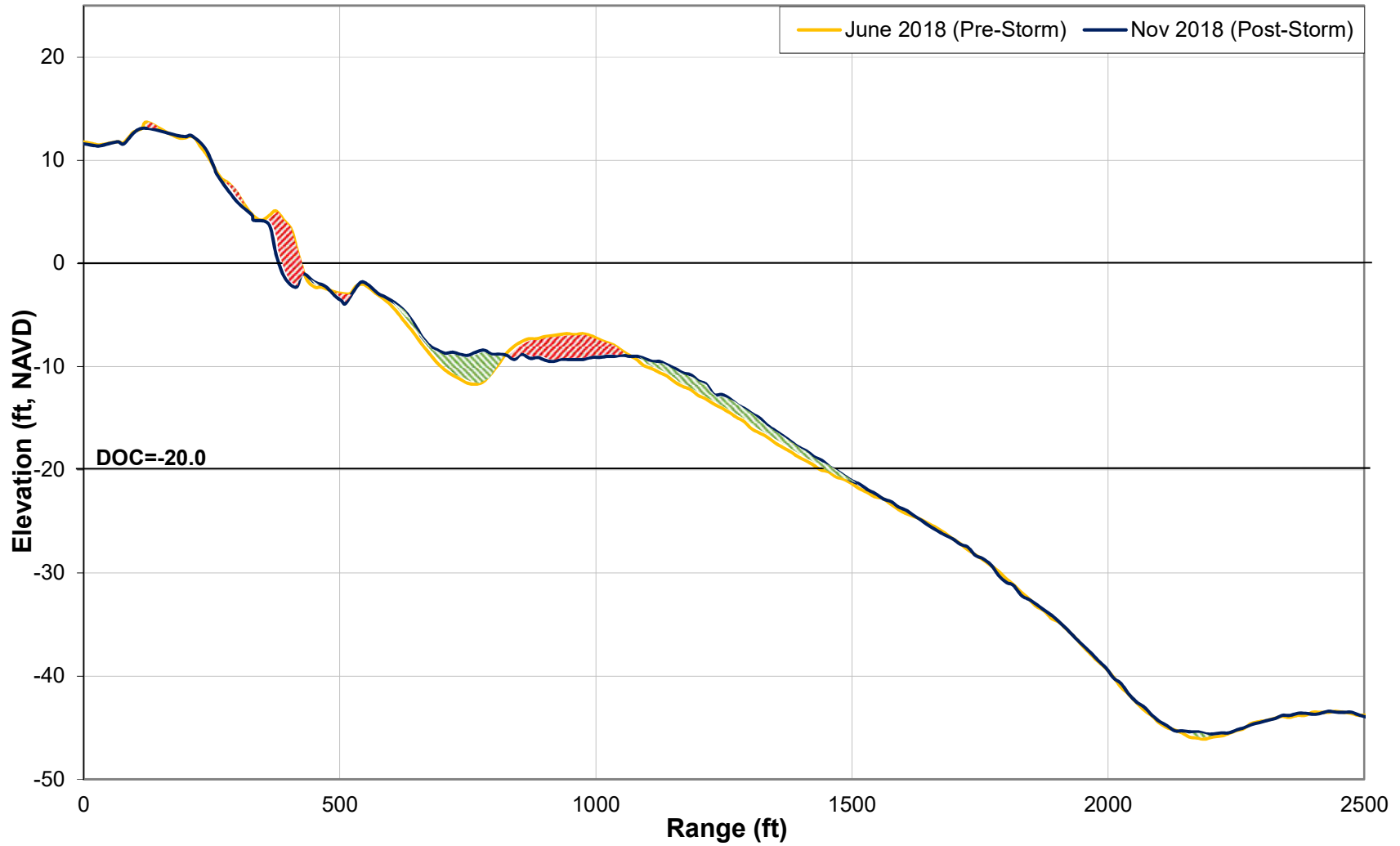
Western Reach R-7

R-7



Western Reach R-7

R-7





Thank you



