

The nor'easter in 2023 reached 6.72' NAVD. Design berm is 6-7' NAVD.

Tide Type	Tide vs MLLW	Tide @ NAVD88, Calm Seas	Tide @ NAVD88, with Wind/Waves
Average High Tide	5.5	2.36'	4.36'
MHHW	5.62	2.48'	4.62'
6' predicted tide	6.0' forecast	2.86'	4.86'
6.5 predicted tide	6.5' forecast	3.36'	5.46'
King tide, lower days	7' forecast	3.86'	5.85'
King tide, higher days	8' forecast	4.86'	6.86'
Tide during tropical force winds (Matthew)*	9.29 (NOAA, with wind)	N/A	6.15'
Nor'easter Dec 2023	9.86' (NOAA, with wind)	N/A	6.72'

* Tropical storm from Matthew generated storm surge +3.6' more than the astronomical tide on IOP.