

Silverman et al, 2021, Development and Application of STORMTOOLS Design Load (SDL) maps, submitted to Journal of Marine Science and Engineering (JMSE)

Supplementary Materials:

This section contains supplemental material for the paper.

The maps shown here can be found at <https://cric.uri.maps.arcgis.com/apps/MapSeries/index.html?appid=cd7c1dc499a64434b6b55ab34522794c> (Accessed on May 14, 2021).

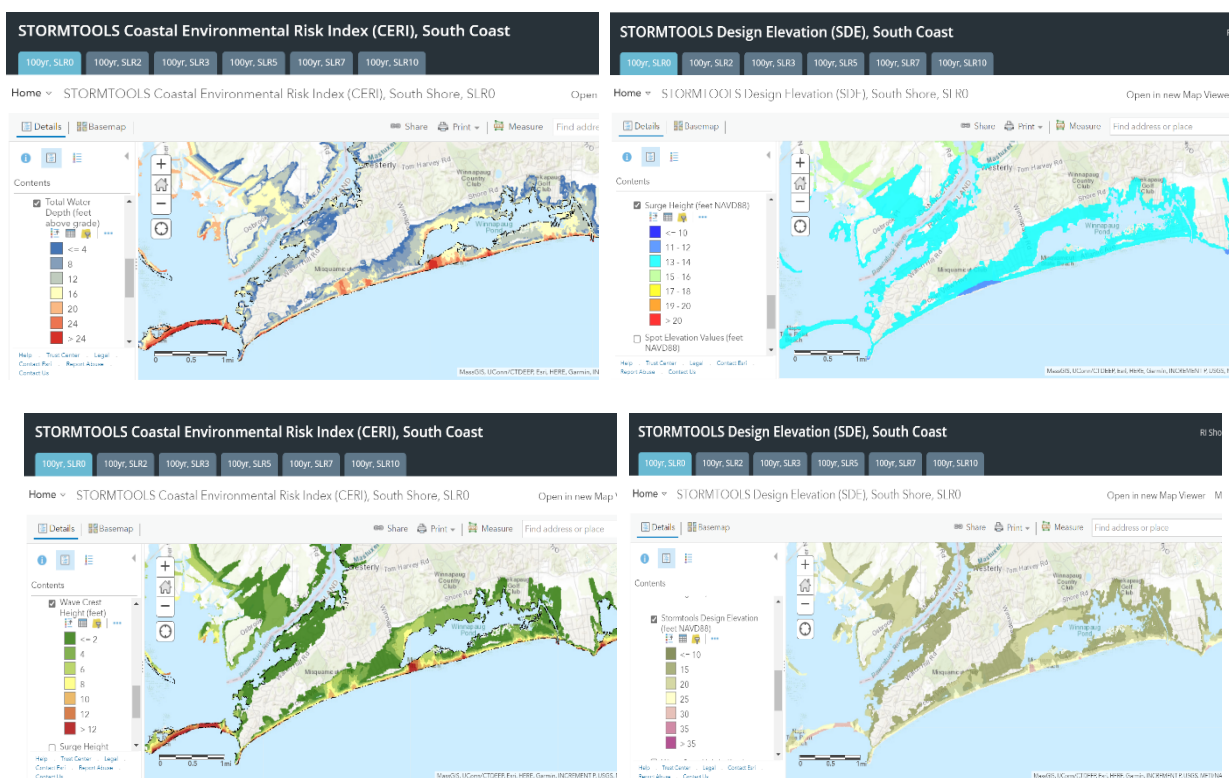


Figure S1. Total still water depth (ft above grade) (upper panel, left), surge height (ft NAVD88) (upper panel, right) and wave crest height (ft) (lower panel, left) and BFE (ft, NAVD88) (lower panel, right) for 100 yr storm, no sea level rise (SLR).

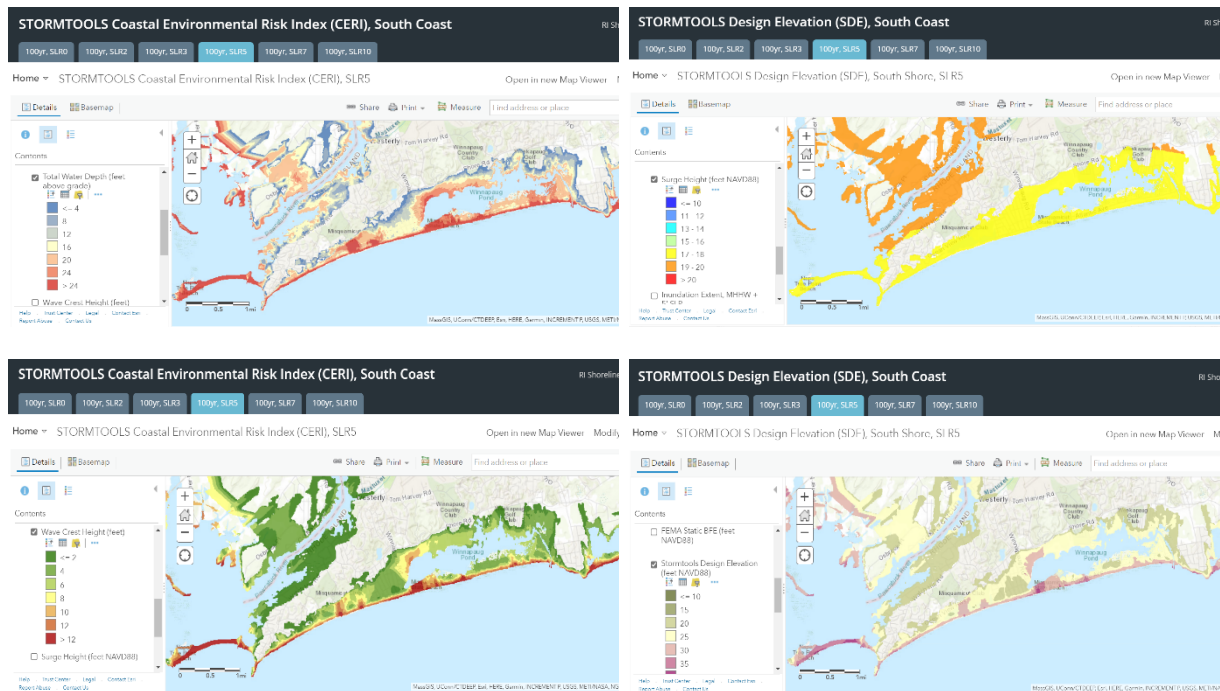


Figure S2. Total still water depth (ft, above grade) (upper panel, left), surge height (ft NAVD88) (upper panel, right) and wave crest height (ft) (lower panel, left) and BFE (ft, NAVD88) (lower-panel, right) for 100 yr storm, 5 ft sea level rise (SLR).

Map Contents: Different Scenarios Developed

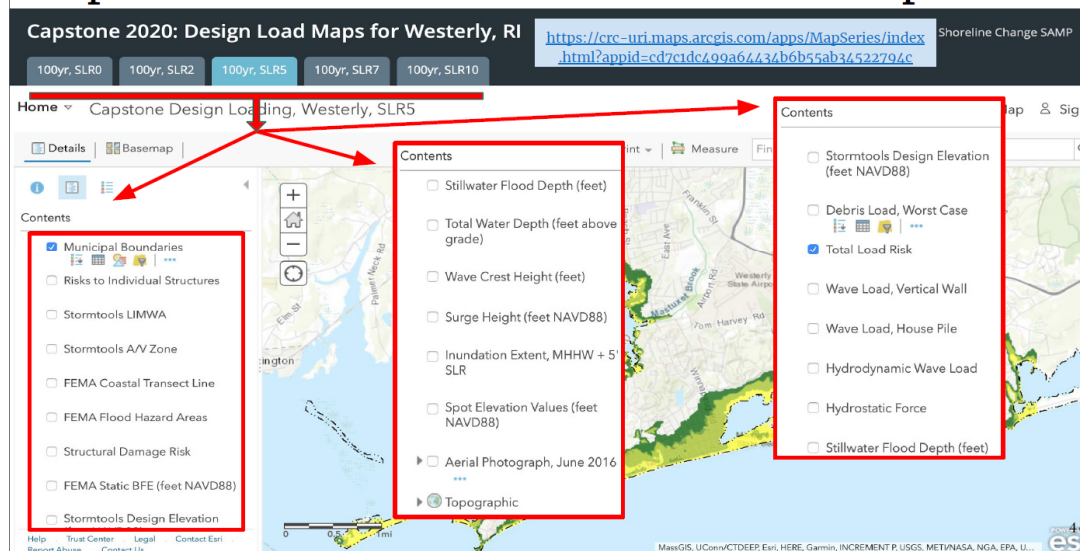


Figure S3. STORMTOOLS Design Load (SDL) Table of contents GIS links. The tabs at the header show the available sea level rise (SLR) cases.

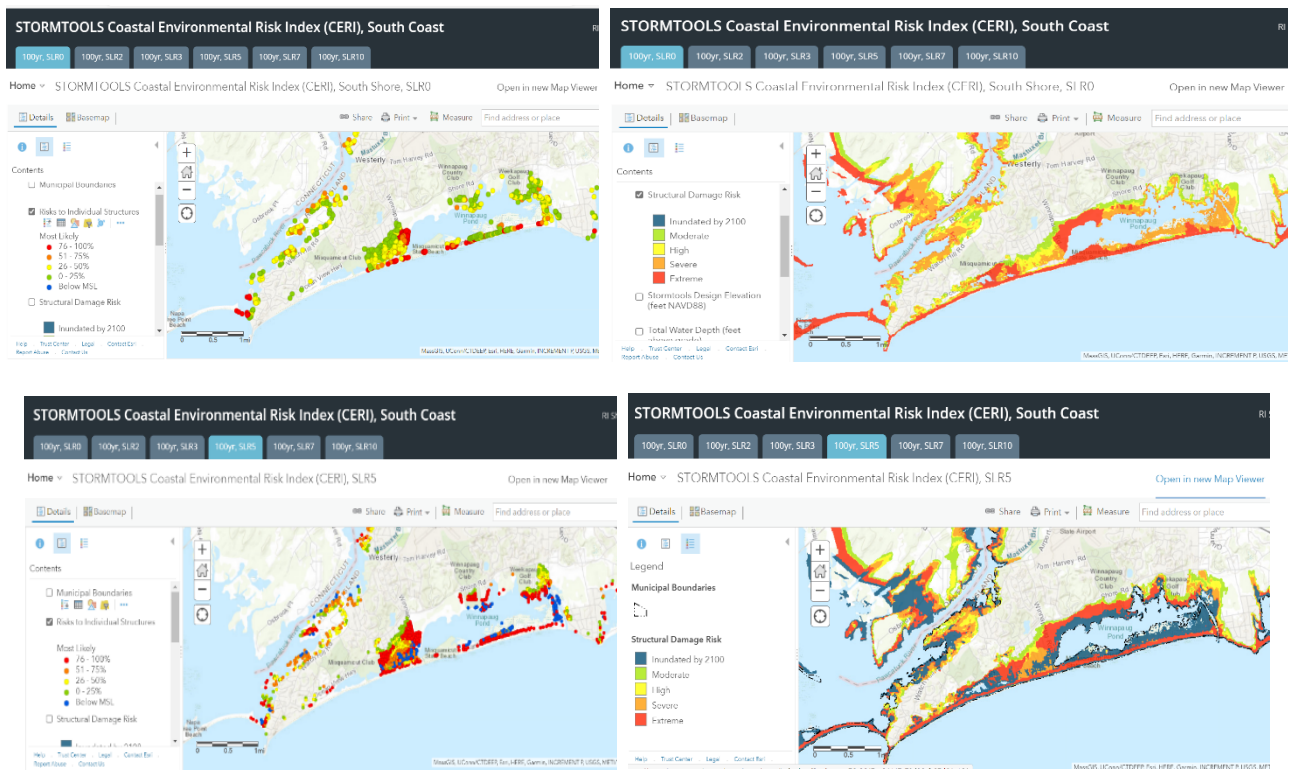


Figure S4. Risk to individual structures (left) and structural damage risk (right) for 100 yr storm with no (upper panel) and 5 ft SLR (lower panel).