Who can use STORMTOOLS?
Current and potential landowners as well as municipal decision-makers and coastal planners may find STORMTOOLS useful to access flooding estimates for a study area. At a more sophisticated level, STORMTOOLS can be used by professionals to perform studies in support of coastal planning and engineering design.

How do I access STORMTOOLS?
STORMTOOLS can be accessed online through BeachSAMP.org or ArcGIS.com. Datasets are available through Rhode Island Geographic Information System, www.RIGIS.org.

How do I use STORMTOOLS?
There are three main ways to use STORMTOOLS:
- **Interactive maps** give you the flexibility of turning on and off layers.
- **Map journals** provide information and photos to help guide you through the tool. *In the two methods above, the user can type in an address or zoom to an area of interest.*
- **Data layers** can be integrated with other municipal datasets for analysis.

Check out the STORMTOOLS 101 Map Journal for a comprehensive tutorial on how to use this mapping tool!
What can I learn from a STORMTOOLS map?
This science-based tool illustrates projections showing water extent and depth throughout the state for:

- Nuisance floods (1, 3, 5, and 10 year recurrence intervals) and
- The 25, 50, 100, and 500-year storm return period scenarios at the 95% confidence interval.
- Sea level rise of 1, 2, 3, 5, and 7 feet on their own as well as combined with each storm scenario are also modeled.

STORMTOOLS can help you answer:

- Is my property vulnerable to STORM SURGE?
- How DEEP will the water be on my property during a 100 year (1% chance) coastal storm?
- Will projected SEA LEVEL RISE affect my property?
- Is my property in a FEMA Flood Zone?

Learn More
Visit the Rhode Island Shoreline Change Special Area Management Plan: www.beachsamp.org/stormtools

Explore more of Rhode Island’s Resilience Tools: http://www.crc.uri.edu/activities_page/resilience-tools/

Contact: Teresa Crean, URI Coastal Resources Center, RI Sea Grant • 401.874.6626 • tcrean@crc.uri.edu

STORMTOOLS was developed in partnership with the RI Coastal Resources Management Council and the University of Rhode Island’s Ocean Engineering, Environmental Data Center, and Coastal Resources Center.