

Coastal Resources Center and RI Sea Grant

Making the coast a better place to live, work, and play for this and future generations.



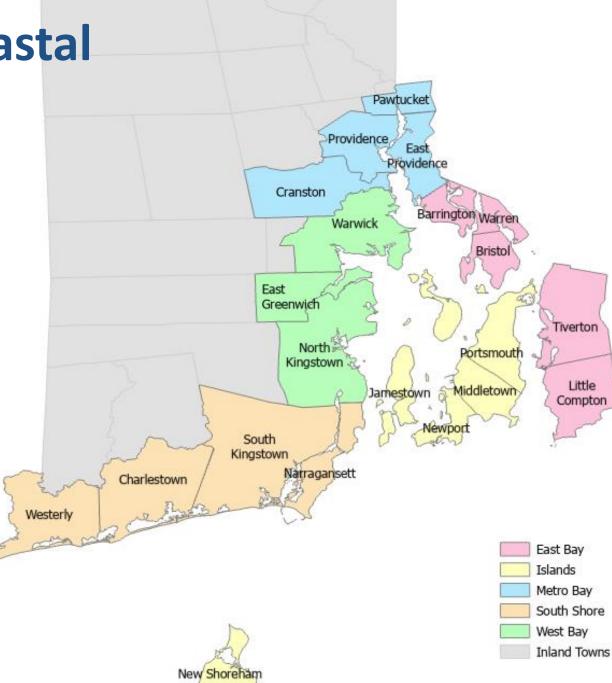




Coastal Resilience Program



Rhode Island's Coastal Communities



Coastal Risk in Rhode Island







1938 Hurricane

Providence, RI

Superstorm Sandy (Nor'easter) October 2012

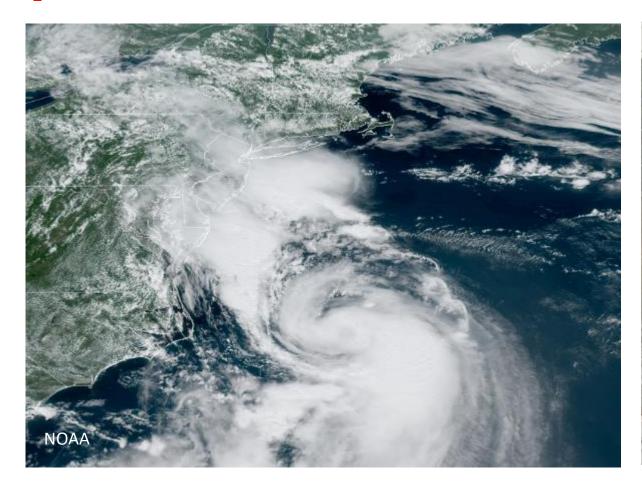
South Kingstown, RI

Extreme High Tide September 13, 2022

Newport, RI

Increased Storminess

† Storm intensity

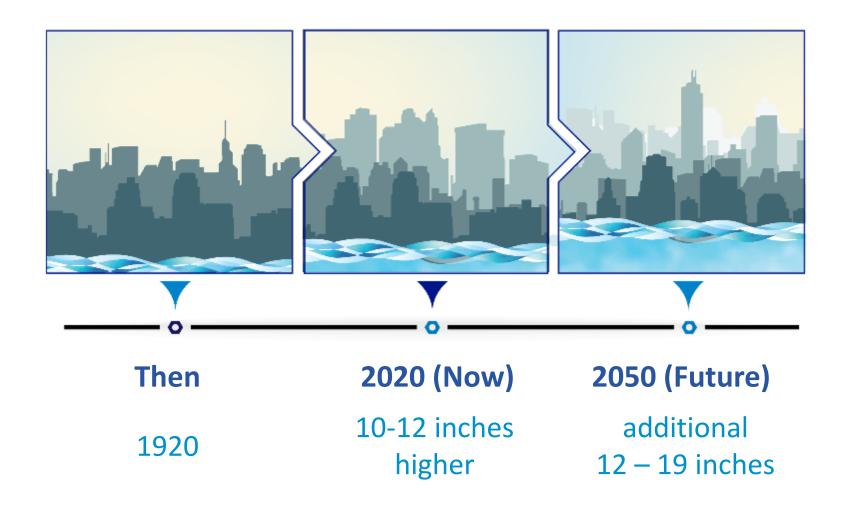






Rhode Island Sea Level Rise







STORMS ARE LIKE FERRIES. THERE'S ALWAYS ANOTHER ONE COMING.

- Richard Branson/Thaïs Fournier

Coastal Resilience

...the capacity of individuals, institutions, businesses, and natural systems within Rhode Island to **survive**, **adapt**, **and grow** no matter what chronic stresses and weather events they experience.

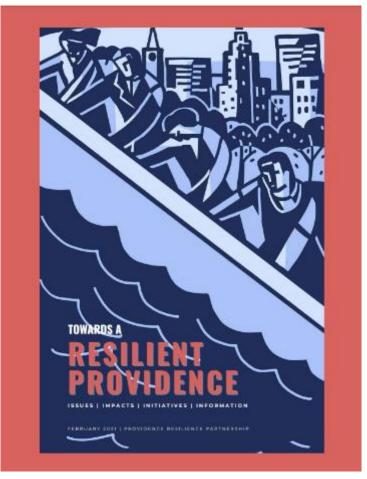
- Resilient Rhody, 2018



Know Your Risk

Port smouth .

Make a Plan



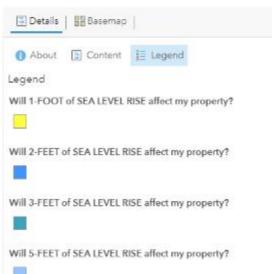
Take Action



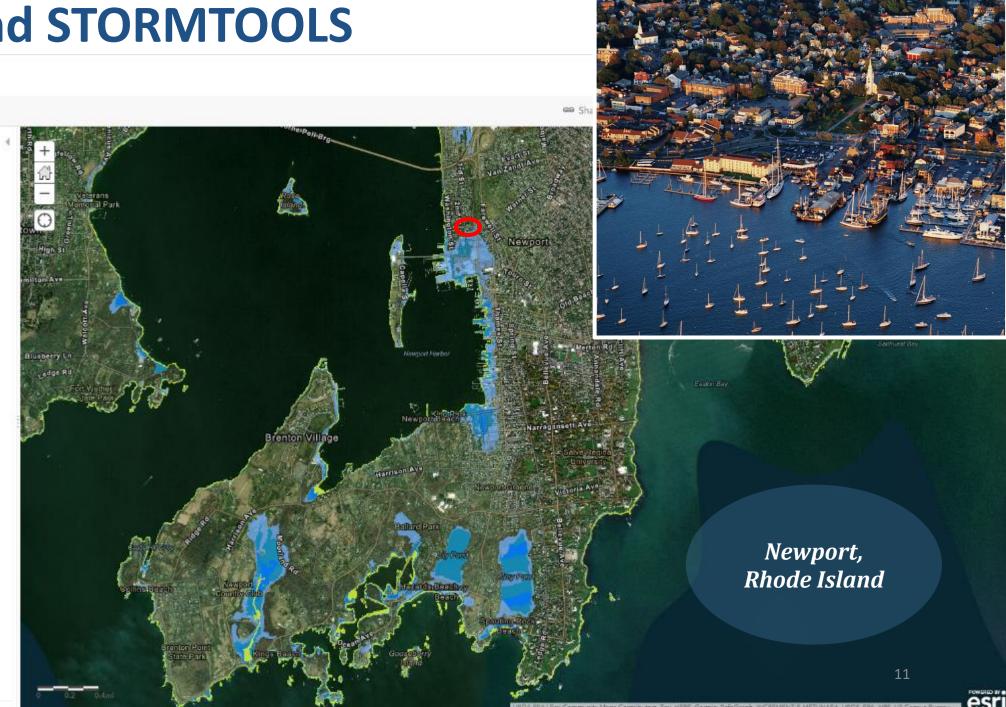


Rhode Island STORMTOOLS

ArcGIS STORMTOOLS for Beginners



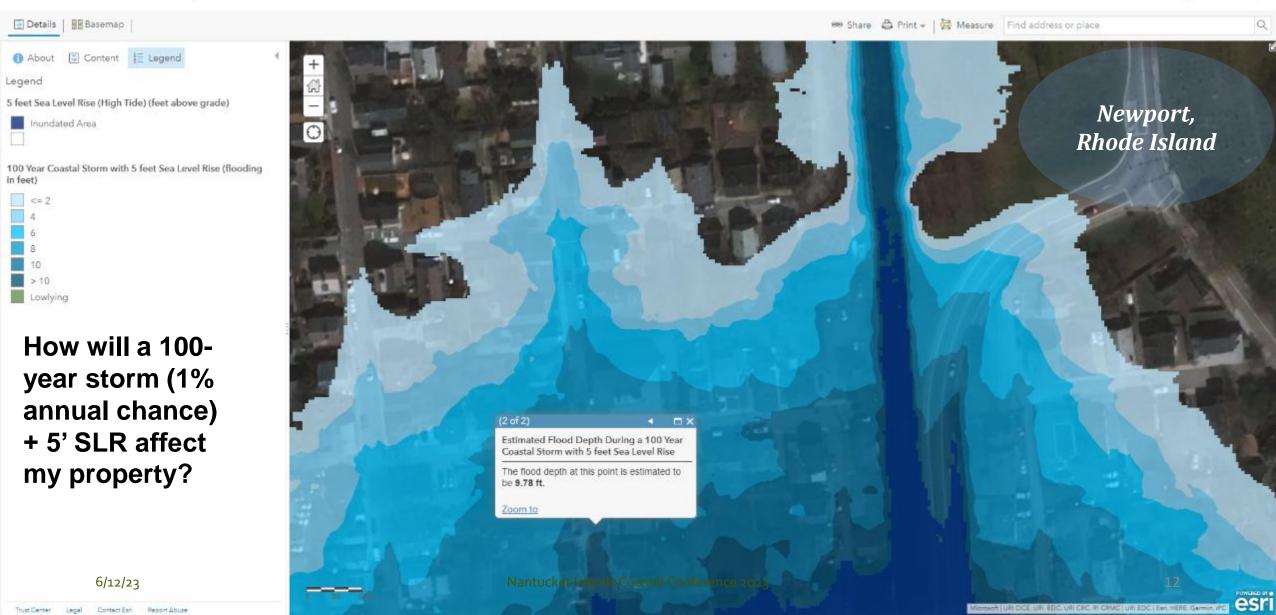
How will x feet of SLR affect my **Property?**



Rhode Island STORMTOOLS

ArcGIS v 5 FEET SLR: Extra/Tropical Storms.

Modify Map & Sign In



Be a community scientist!

Download MyCoast APP















What will the future look like at high tide?





1' above MHHW 2' above MHHW

Document King Tide, Storm, Shoreline Change

Identify vulnerable areas

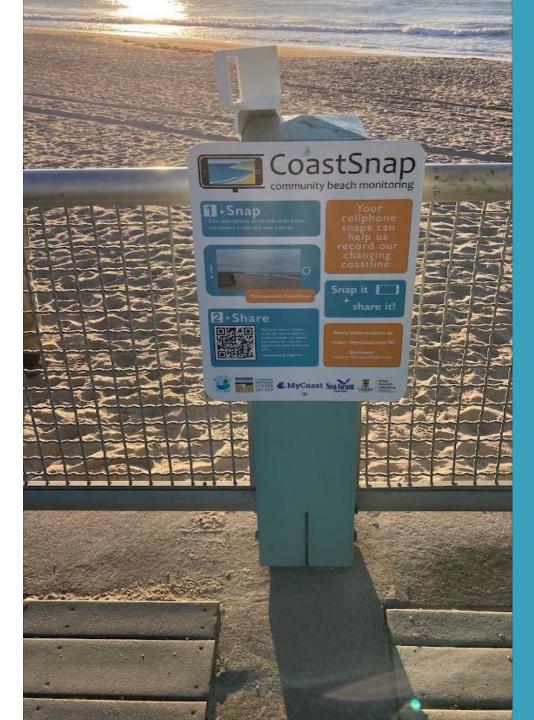
Build awareness and political will

Show impacts of changing climate

Inform municipal planning & decisions







CoastSnap

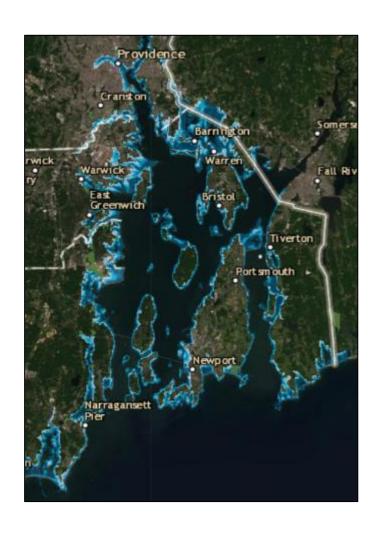
Snap it share it!

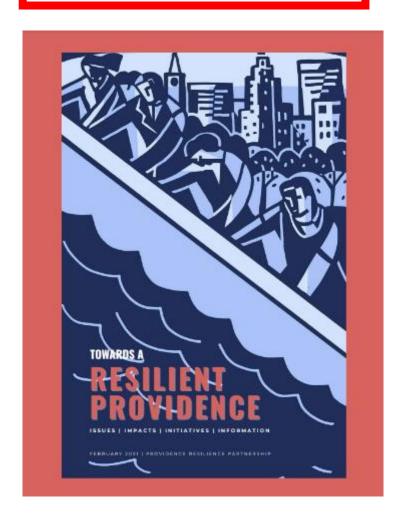
Upload with the QR Code or the MyCoast app.

Know Your Risk

Make a Plan

Take Action

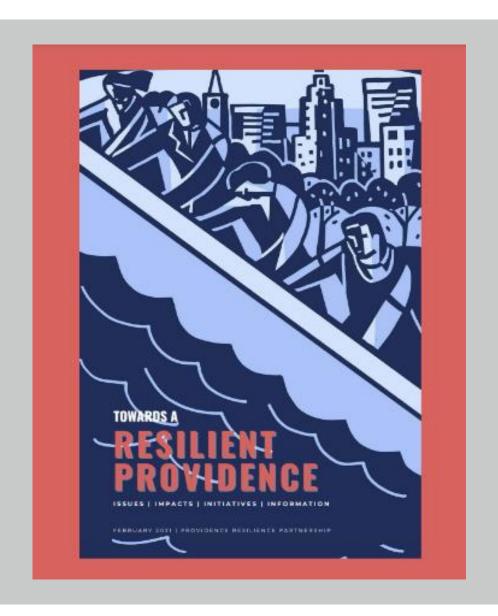






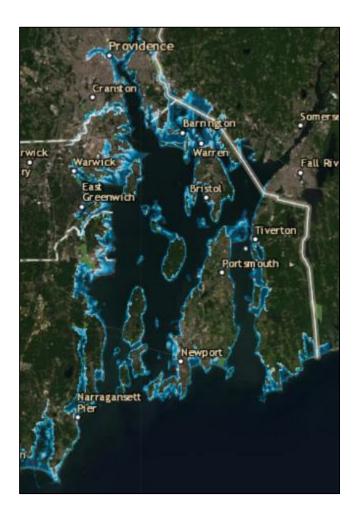
Make a Plan

- State
- Municipal
- Sub-municipal
- Business

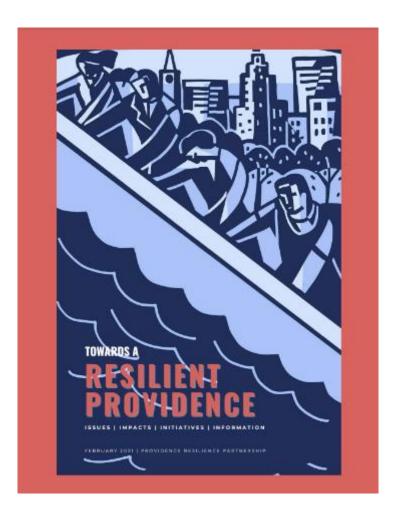


18

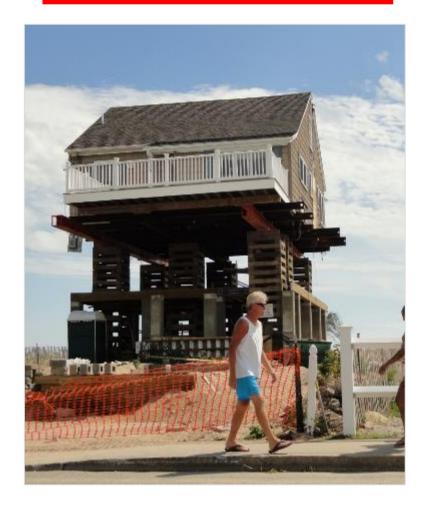
Know Your Risk



Make a Plan



Take Action





Take Action

- Technical Assistance
- Tools Development
- Training
- Mentoring

Build Capacity for Resilience

Know Your Risk

Infrastructure Socio-Economic Environmental Assets

Make a Plan

State Local Neighborhood business

Take Action

Strengths
Reduce vulnerabilities
- Infrastructure
(green/grey),
- Environment
- Community & human
capacity







What Can You Do?

- Know your Risk: know the facts, implications, costs/benefits to action and in-action
- Make a Plan: Make a family plan; encourage community action; support legislation
- <u>Take Action</u>: Make personal/community decisions and take actions to mitigate and adapt

