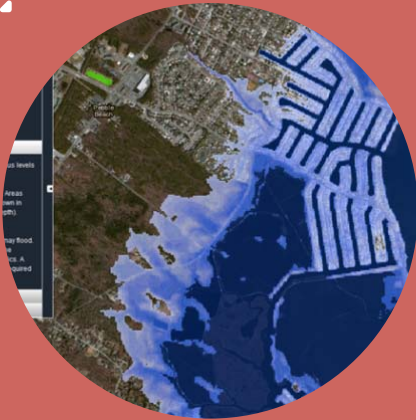




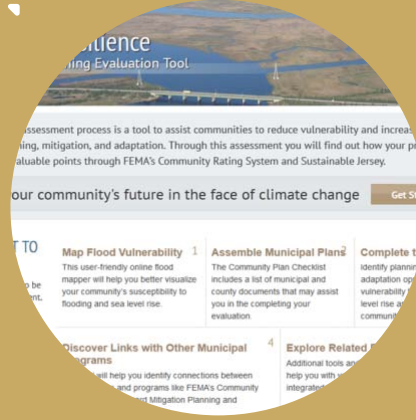
Getting to Resilience.

Resilience.



Assess

Evaluate Your Municipal Risks and Vulnerabilities



Plan

Utilize Getting to Resilience to Plan for the Future



Implement

Take Actions to Increase Municipal Preparedness

NJ Flood Mapper

An interactive mapping website to visualize coastal flooding hazards and sea level rise

Funding provided by NOAA's Cooperative Institute for Coastal and Estuarine Environmental Technologies (CICE)
Produced in collaboration with the NOAA Coastal Services Center (CSC) through a partnership with the Jacques
Reserve (JCNERR) and the Grant F. Walton Center for Remote Sensing and Spatial Analysis (CRSSA), Rutgers

About

> Start
Viewer <



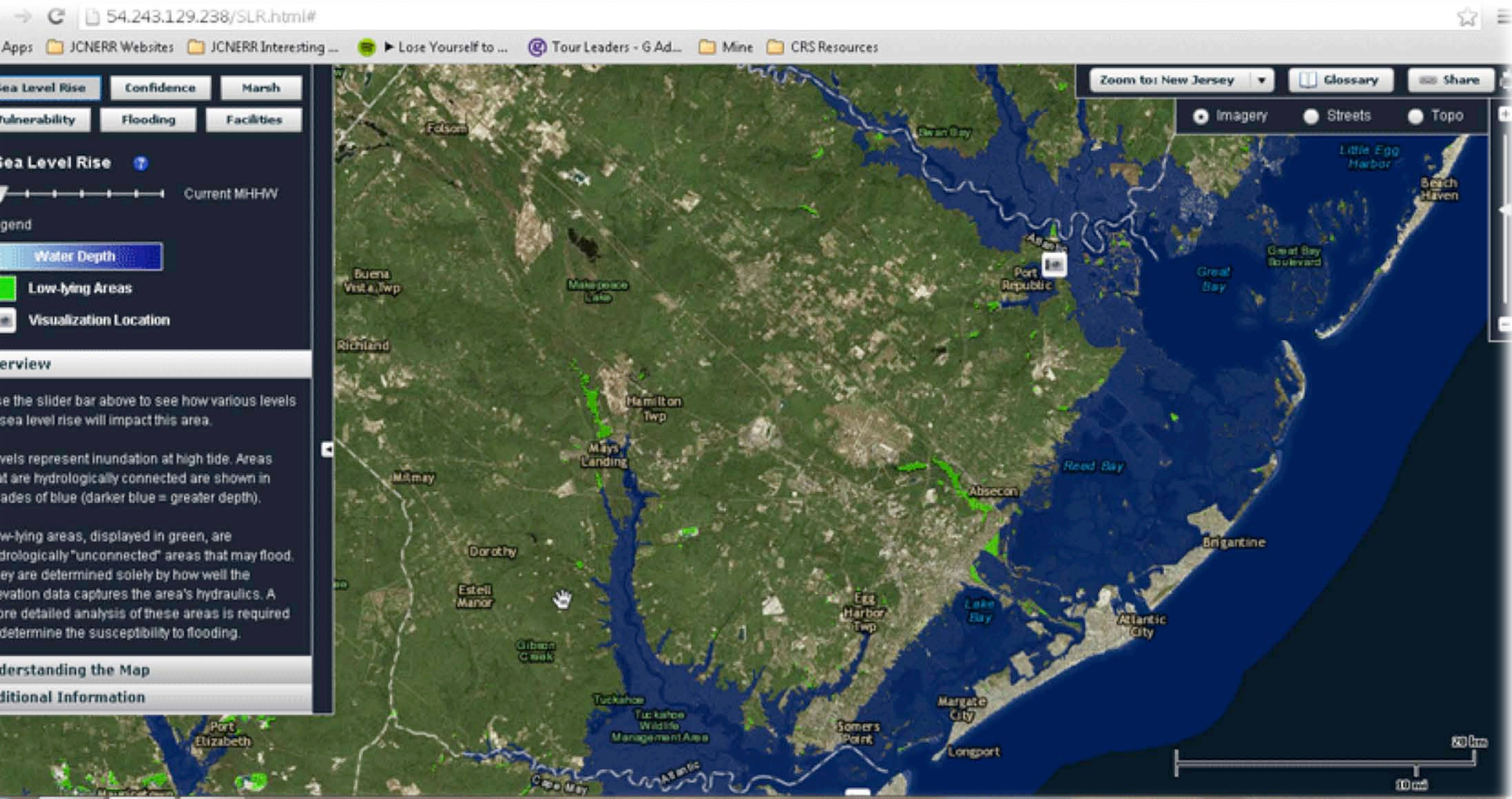
Assess

Evaluate Your Municipal
Risks and Vulnerabilities

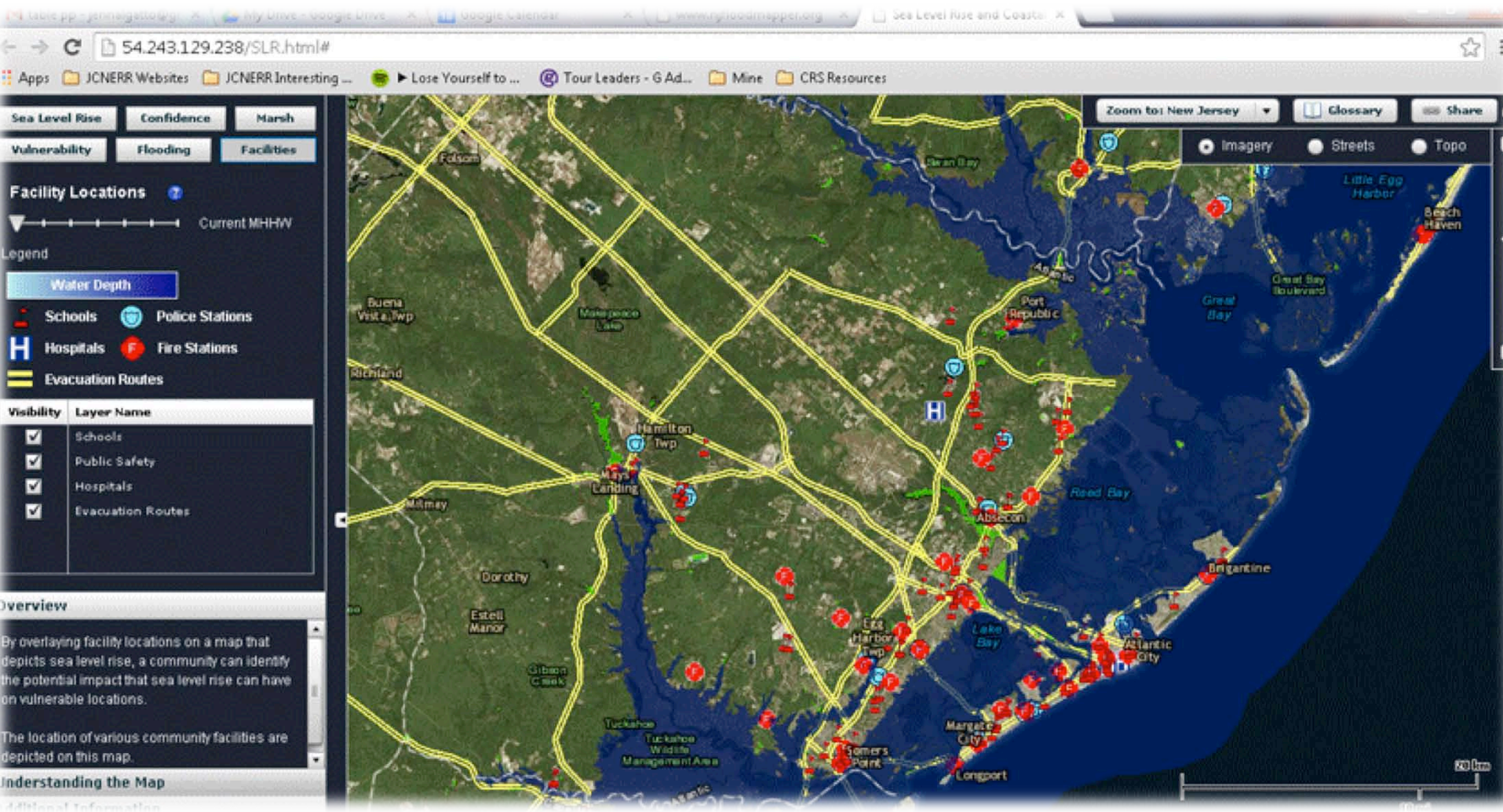
www.NJFloodMapper.org

tool that will help get information into the hands of local communities who need to make decisions concerning flooding hazards and sea level rise.

Sea Level Rise



Critical Facilities and Sea Level Rise



On the Ground Impacts

54.243.129.238/SLR.html#

Apps JCNERR Websites JCNERR Interesting ... Lose Yourself to ... Tour Leaders - G Ad... Mine CRS Resources

Sea Level Rise Confidence Marsh Vulnerability Flooding Facilities

Sea Level Rise

Current MHHW

Water Depth

Low-lying Areas

Visualization Location

Zoom to: New Jersey

Glossary Share

Imagery Streets Topo

Folsom Swan Bay Port Republic Little Egg Harbor Beach Haven Great Bay Great Bay Boulevard

Hamilton Twp Absecon Reed Bay

Richland Buena Vista Twp Malapascua Lake Mays Landing Dorothy Estell Manor Egg Harbor Twp Lake Bay

overview

Use the slider bar above to see how various levels of sea level rise will impact this area.

Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth).

Low-lying areas, displayed in green, are hydrologically "unconnected" areas that may flood. They are determined solely by how well the elevation data captures the area's hydraulics. A more detailed analysis of these areas is required to determine the susceptibility to flooding.

Understanding the Map

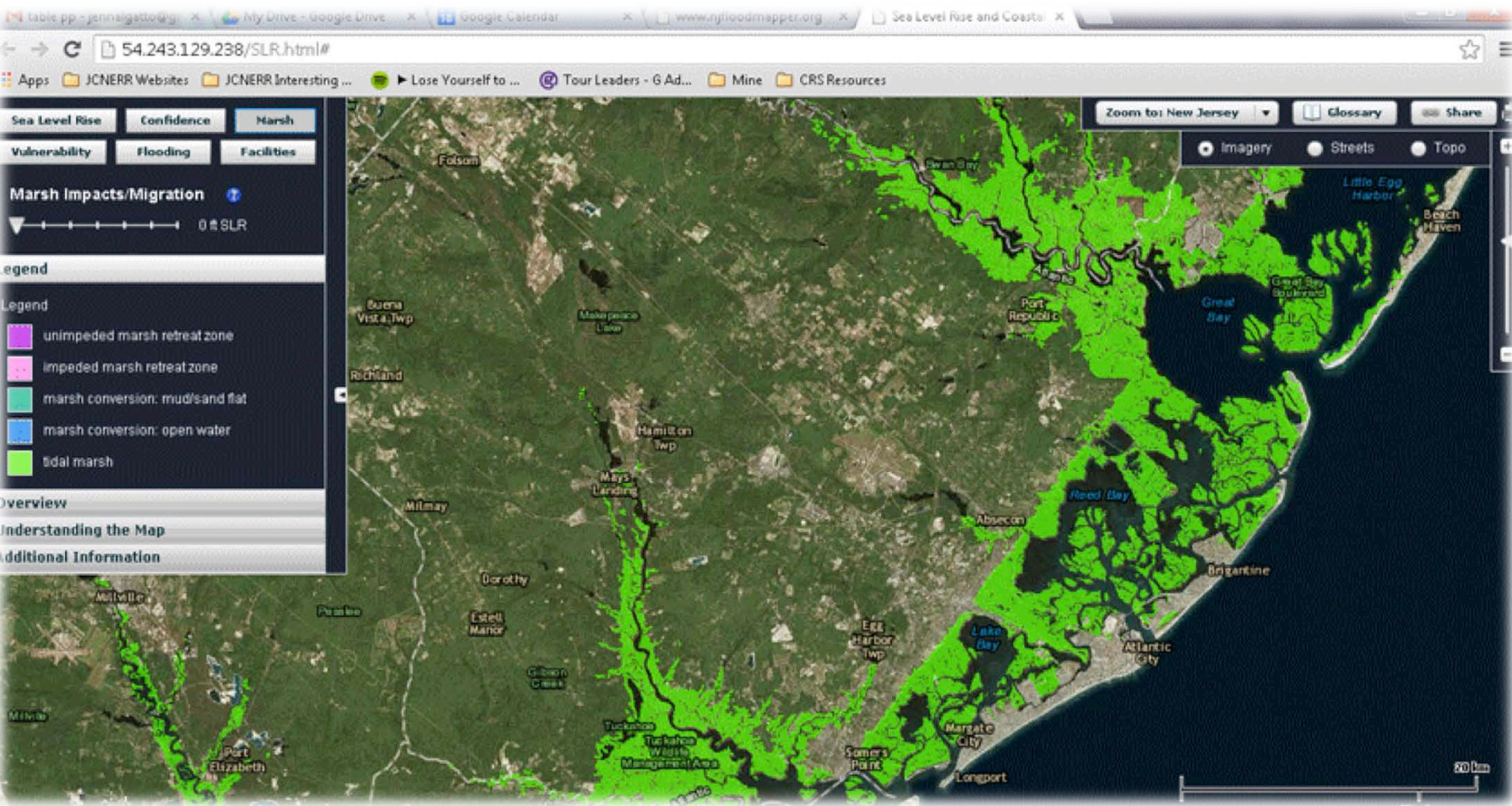
Additional Information

Port Elizabeth Tuckahoe Tuckahoe Wildlife Management Area Somers Point Margate City Longport

CRC Building

Use the slider to view a simulation of sea level rise at this location.

Marsh Migration



Flood - PFIRMs

54.243.129.238/SLR.html#

Apps JCNERR Websites JCNERR Interesting ... Lose Yourself to D... Tour Leaders - G Ad... Mine CRS Resources 192.168.1.16:81/inde...

Sea Level Rise Confidence Marsh
Vulnerability **Flooding** Facilities

Flood Hazard Areas/Storm Surge

Tide Gauges

PFIRMs Storm Surge 2050 SFHA

Legend

- A: 100-year flooding; no BFE
- AE: 100-year flooding; BFE
- AO: 100-year flooding; 1-3 feet
- VE: 100-year flooding w/ velocity hazard
- X: 500-year flooding
- BFE in feet (zoom in to display)

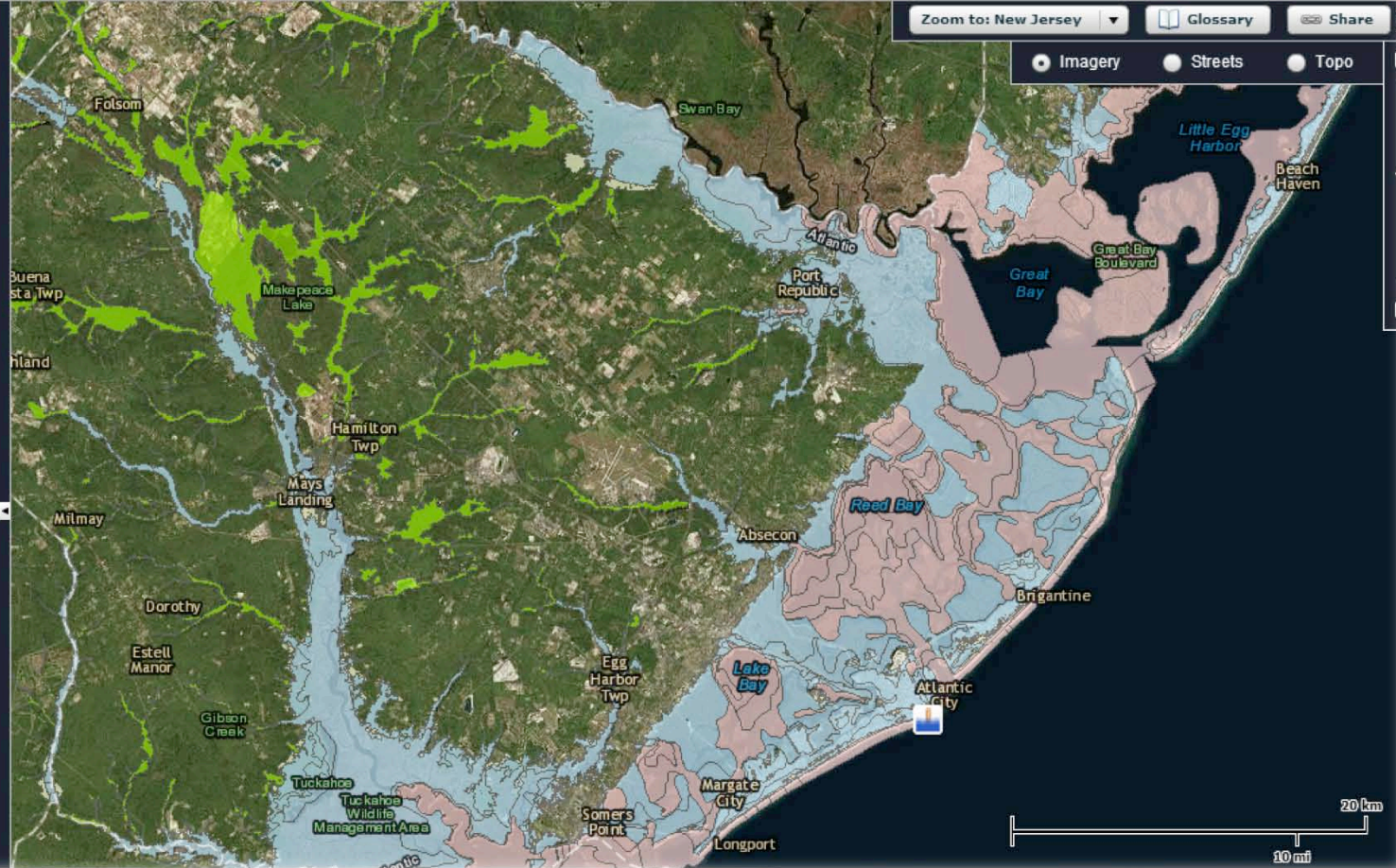
Overview

This map shows high-risk (1% annual chance, or 100-year floodplain) and moderate-risk (0.2% annual chance, or 500-year floodplain) flood zones designated by the Federal Emergency Management Agency (FEMA).

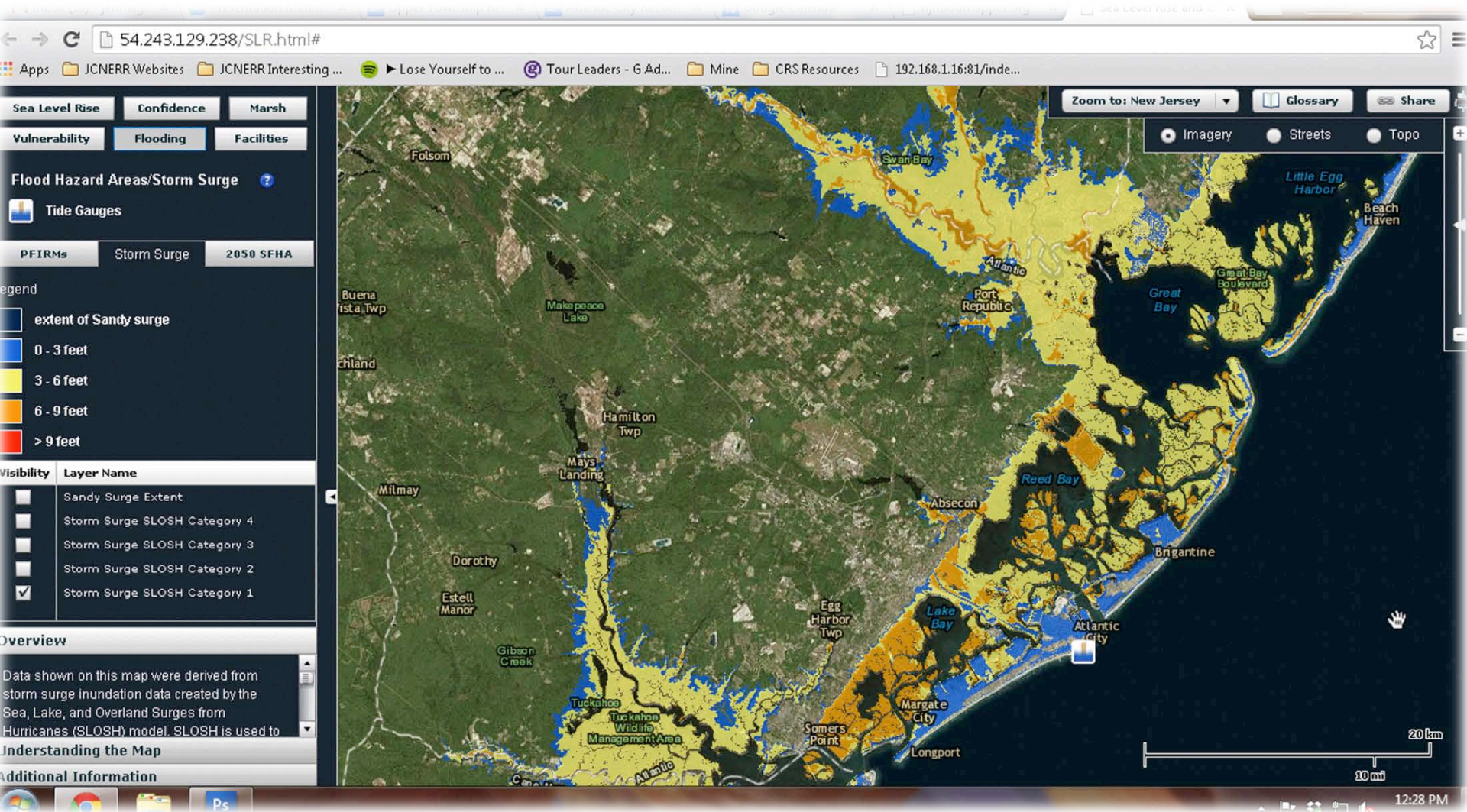
Some parts of the flood zone may experience frequent flooding while other areas are only affected by severe storms. Areas outside of mapped zones may also be at risk since land use changes could have occurred after the

Understanding the Map

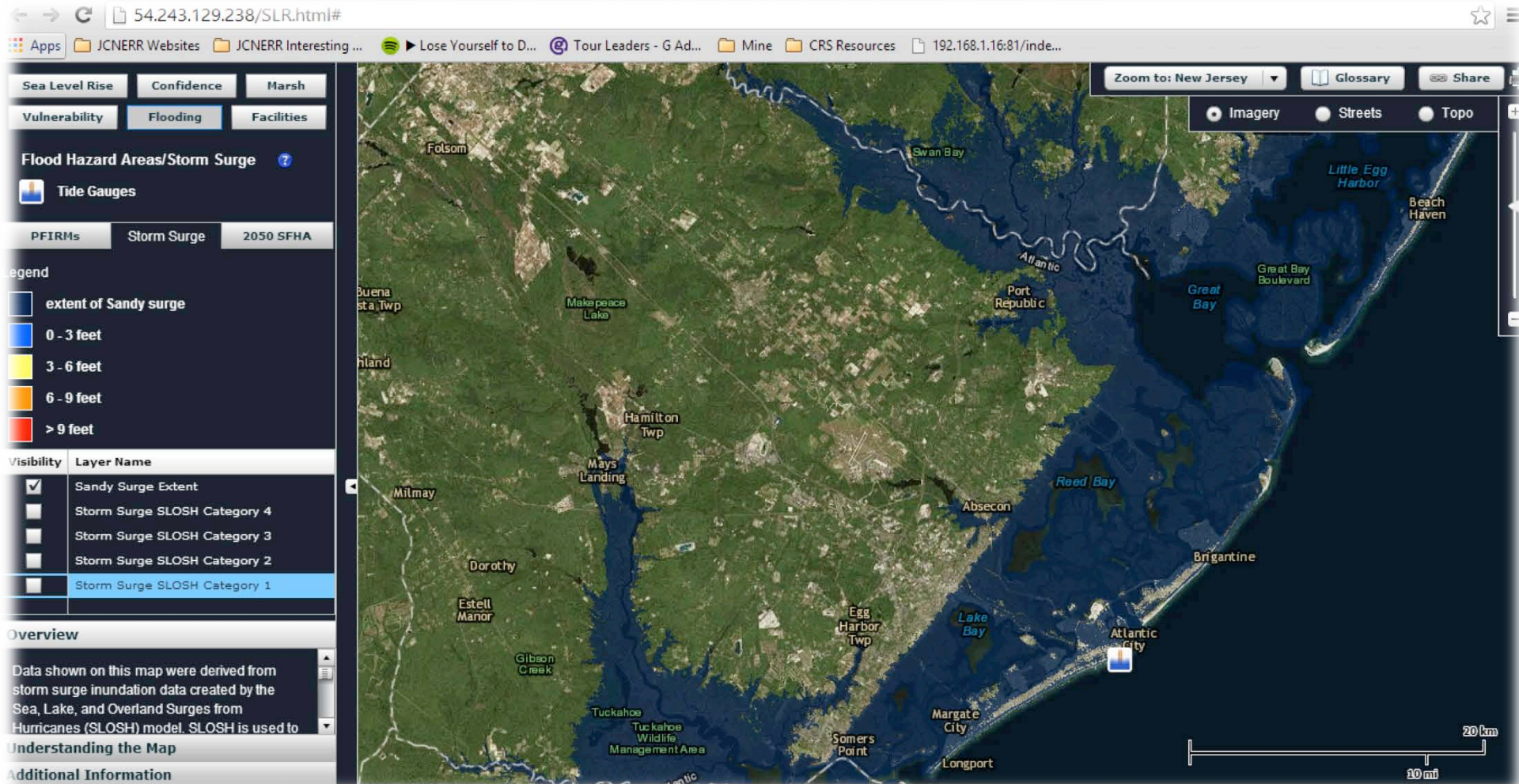
Additional Information



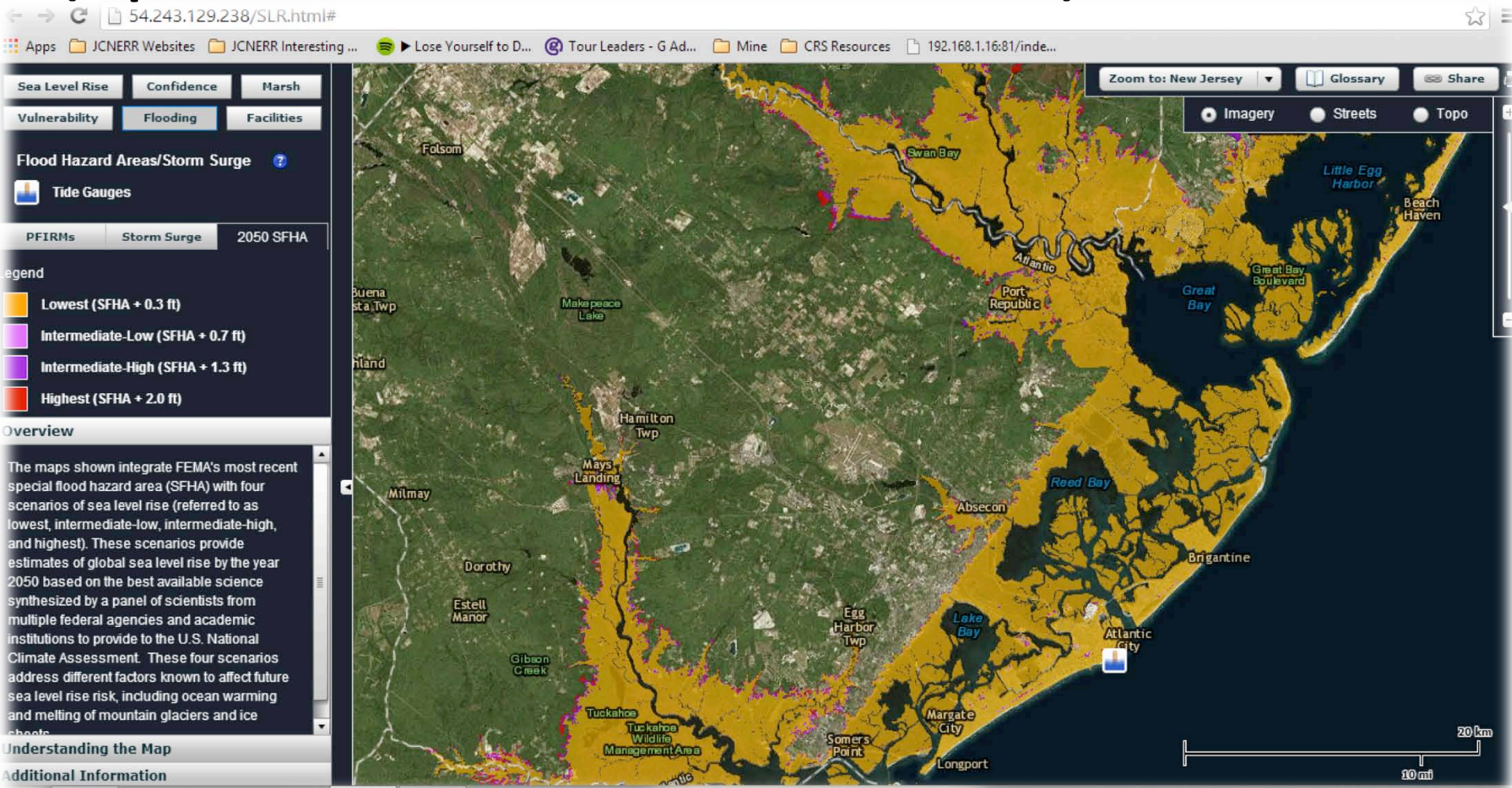
Flood – Storm Surge/SLOSH



Flood – Sandy Surge



Flood - 2050 SFHA (Special Flood Hazard Area)



NJADAPT



Assess

Evaluate Your Municipal Risks and Vulnerabilities

Flood Exposure Profile

Help jump-start your community discussions about hazard impacts with maps of your area that show people, places, and natural resources exposed to coastal flooding. The map data and the discussions spurred from these maps are valuable and applicable to a variety of community planning processes—from comprehensive land-use to hazards mitigation and conservation planning.

[Launch Site](#)

NJ FloodMapper

The NJ FloodMapper is a user-friendly visualization tool for local communities who need to make decisions concerning flooding hazards and sea level rise. This website should be used to promote enhanced preparedness and land use planning decisions with considerations for possible future conditions.

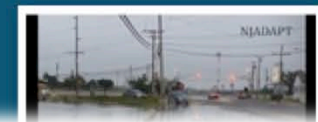
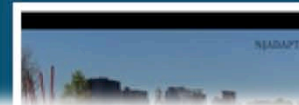
[Launch Site](#)

Getting To Resilience

This online self-assessment process is a tool to assist communities to reduce vulnerability and increase preparedness. Through this assessment you will find out how your preparedness can be worth valuable points through FEMA's Community Rating System and Sustainable Jersey. Also the outputs provided at the completion of the questionnaire can strengthen local/county all-hazards and emergency operations plans.

[Launch Site](#)

Story Maps



Choose Flood Hazards or Community Exposures

Choose a section below to view maps showing flood hazards or different aspects of community **exposure** to those flood hazards. Pick and choose the best maps to get the flood exposure conversation started in your community. You can also view our [map services](#).

Note: Currently available counties are Delaware, New Jersey, Pennsylvania, and New York.



First-time user? Starting with Flood Hazards is a good idea.

Flood Hazards Map

Flooding events are among the more frequent, costly, and deadly hazards that can impact



Societal Exposure Map

Understanding the populations that live in or near coastal flood-prone areas is an



Infrastructure Exposure Map

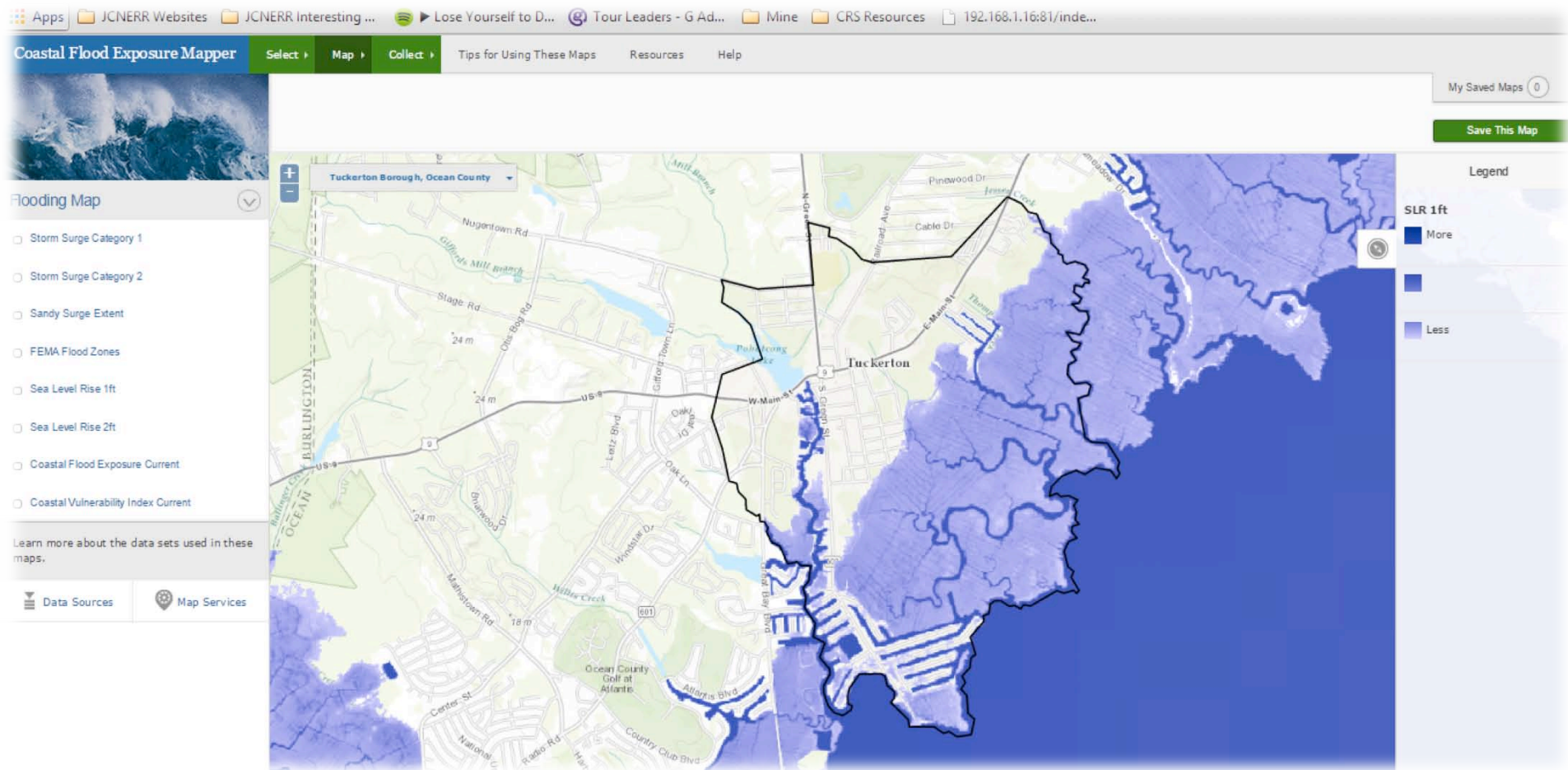
Community infrastructure, including roads, bridges, and water and sewer systems, can



Ecosystem Exposure Map

Natural areas provide important benefits to coastal communities, including hazard

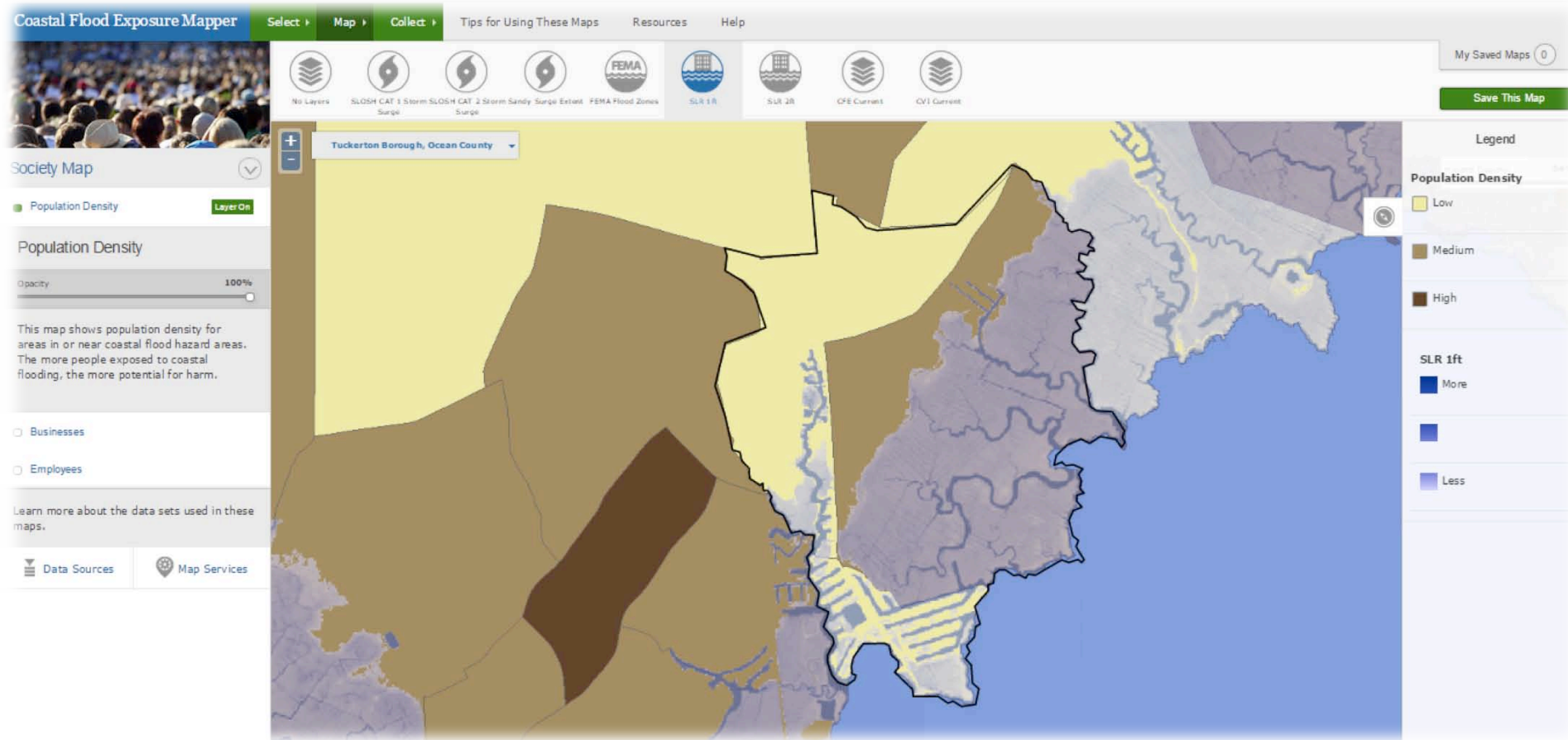
Flooding Map



Storm Surge Cat 1 & 2
Sandy Surge Extent
FEMA Flood Zones

Sea Level Rise 1 & 2 ft
Coastal Flood Exposure Current
Coastal Vulnerability Index Current

Society Map

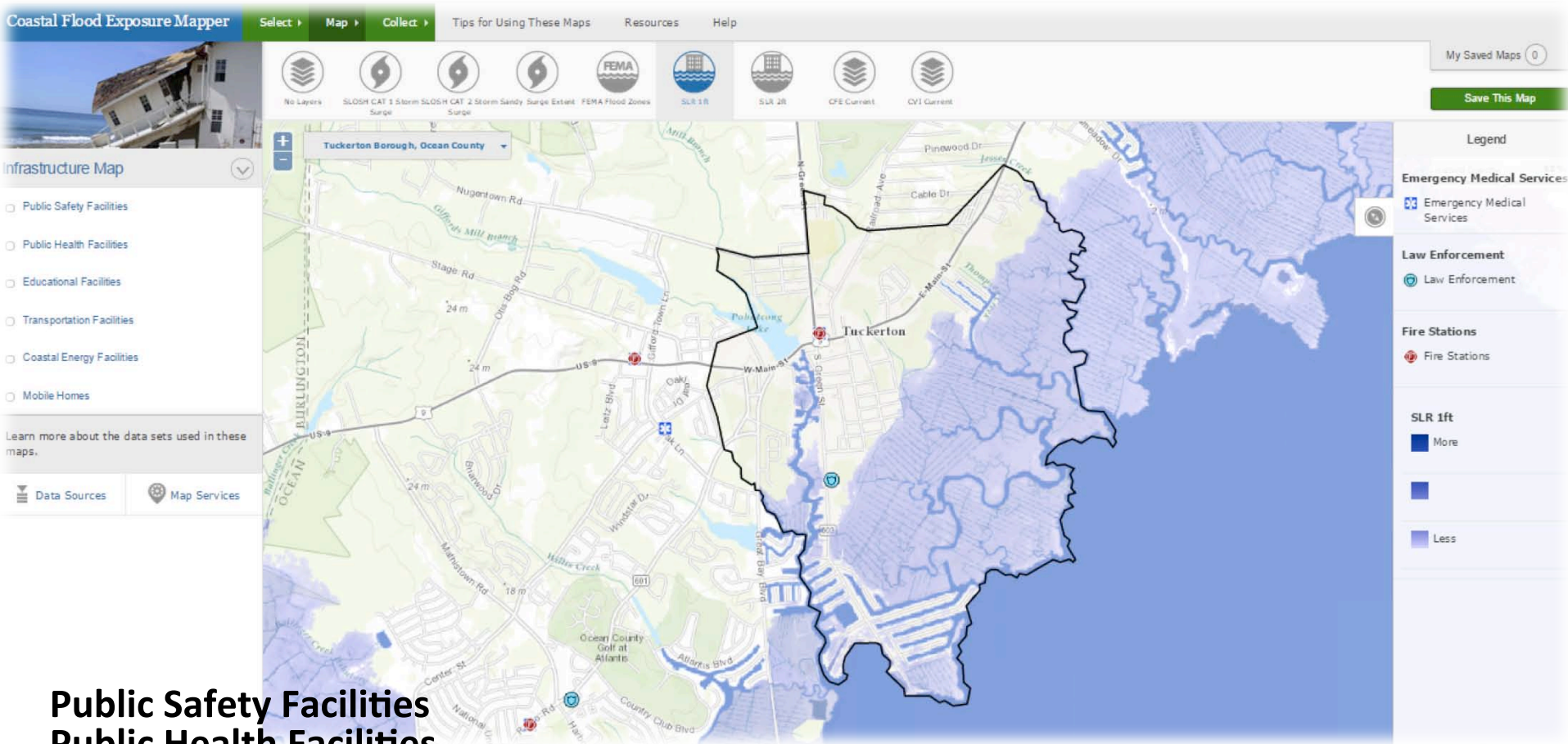


Population Density
Businesses
Employees

Storm Surge Cat 1 & 2
Sandy Surge Extent
FEMA Flood Zones

Sea Level Rise 1 & 2 ft
Coastal Flood Exposure Current
Coastal Vulnerability Index Current

Infrastructure Map

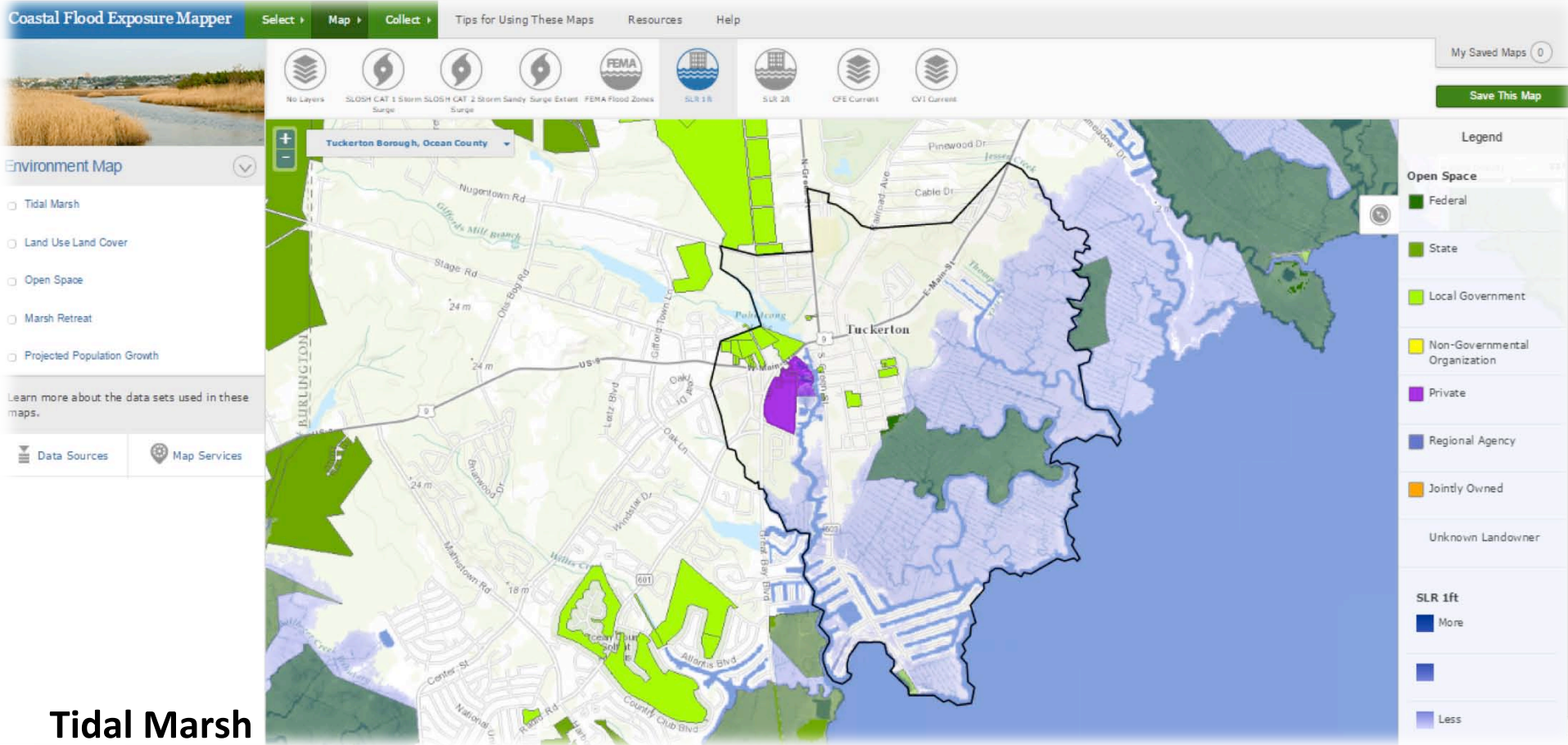


Public Safety Facilities
Public Health Facilities
Educational Facilities
Transportation Facilities
Coastal Energy Facilities
Mobile Homes

Storm Surge Cat 1 & 2
Sandy Surge Extent
FEMA Flood Zones

Sea Level Rise 1 & 2 ft
Coastal Flood Exposure Current
Coastal Vulnerability Index Current

Environment Map



Tidal Marsh
Land Use Land Cover
Open Space
Marsh Retreat
Projected Population Growth

Storm Surge Cat 1 & 2
Sandy Surge Extent
FEMA Flood Zones

Sea Level Rise 1 & 2 ft
Coastal Flood Exposure Current
Coastal Vulnerability Index Current

Collect and Share Map

Collect and Share Your Maps

Download and print these maps or copy the link to share online with colleagues or in a community workshop.

Note: These maps will not be saved once you leave this site. To ensure your work is safe, either create and download a PDF or save and share the map URLs.



Create a PDF of these Maps

Tips for using these maps



Delete Map View Map

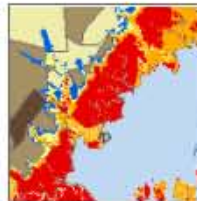
Map: Population Density

Active Hazards:

1. surge CAT 1 storm Surge

Share URL

http://sugar.rutgers.edu/latest/#share/Society/Population_Density/01-8278566.1363198.4804



Delete Map View Map

Map: Population Density

Active Hazards:

1. surge CAT 1 storm Surge

Share URL

http://sugar.rutgers.edu/latest/#share/Society/Population_Density/11-8278566.1363198.4804



Delete Map View Map

Map: Population Density

Active Hazards:

1. FEMA Flood Zones

Share URL

http://sugar.rutgers.edu/latest/#share/Society/Population_Density/01-8278566.1363198.4804





Getting to Resilience

A Community Planning Evaluation Tool

This online self assessment process is a tool to assist communities to reduce vulnerability and preparedness by linking planning, mitigation, and adaptation. Through this assessment you will preparedness can be worth valuable points through FEMA's Community Rating System and Sus

Plan for your community's future in the face of climate change

HOW DO I GET TO RESILIENCE?

Enabling communities to be prepared and more resilient.



ASSESS

Use the online mapping tools to help visualize your community's exposure to current and future hazards.



Plan

Utilize Getting to Resilience to Plan for the Future

Municipal Plans

Master Plan
All-Hazards Mitigation Plan
Floodplain Management Plan
Evacuation Plan
Emergency Response Plan
Continuity of Operations Plan
Disaster Recovery Plan
Open Space Plan
Stormwater Management
Plan

Municipal Members

Land use Planners
Hazard Mitigation Planners
Floodplain Managers
Emergency Managers
Stormwater Managers
Natural Resource Managers
Municipal Engineers
Town Administrators
Clerks





! Things to Consider

Because you provided a "No" response to a question, action suggestions are provided that your community could consider taking to become more "resilient".

★ CRS Suggestion

Because you provided a "Yes" response to the question, you will see how your community could be earning valuable points for your efforts through the Community Rating System.

🌀 Hazard Mitigation Suggestion

Because you provided a "Yes" response to the question, you will see how your actions could be incorporated into you Hazard Mitigation Plan update.

🌱 Sustainable Jersey Suggestion

Because you provided a "Yes" response to the question, you will see how your community could be earning points for your efforts through the Sustainable Jersey.

🌳 Inland Suggestions

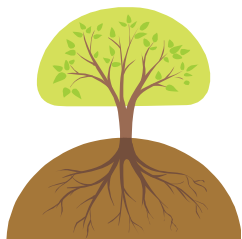
As in Inland community, you have considerations that are different than coastal communities. We have provided suggestions for how these topics translate from coastal issues into inland issues.



FEMA



FEMA





Implement

Take Actions to
Increase Municipal
Preparedness



RUTGERS
Institute of Marine
and Coastal Sciences



Resilience.