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Coastal Resilience | **The Nature Conservancy** — Protecting nature. Preserving life.

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Coastal Resilience | OUR WORK | OUR APPROACH | RESOURCES | TEAM & PARTNERS | 📍 **LAUNCH MAPPING PORTAL**

A global network dedicated to enhancing human and natural coastal communities

Explore Our Work ›

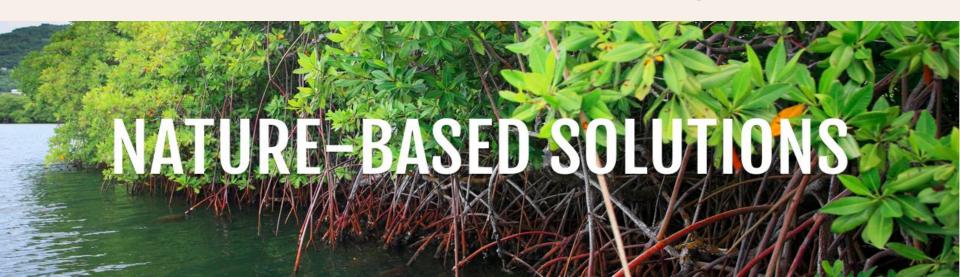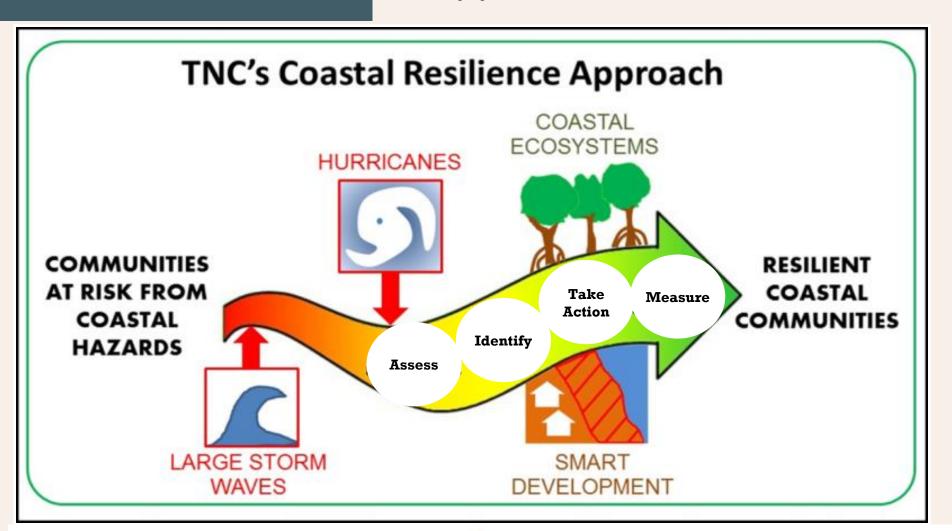| **Zach Ferdaña**	**Adam Whelchel**	**Laura Flessner**
Lead Coastal Resilience Manager	Director of Science	Spatial Analyst
The Nature Conservancy	The Nature Conservancy	The Nature Conservancy
zferdana@tnc.org	awhelchel@tnc.org	laura.flessner@tnc.org

Four components

Approach

Network

Tool Platform

Apps

...that address disaster risk reduction using nature-based solutions to coastal hazards & climate change

NATURE-BASED SOLUTIONS

Mapping tool platform with apps

Coastal Defense app

Coastal Defense

Waves decreased with healthy coastal habitats.

Wave Height

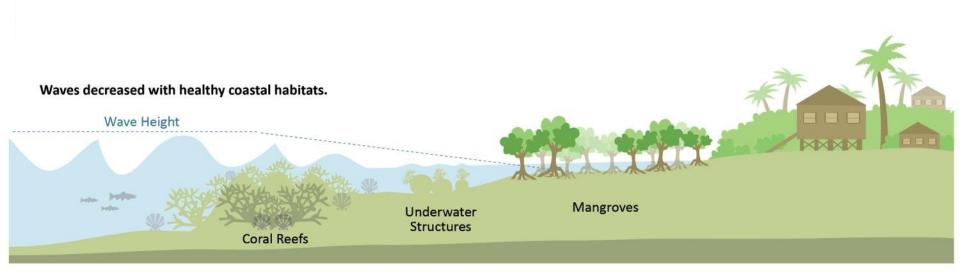Coral Reefs

Underwater Structures

Mangroves

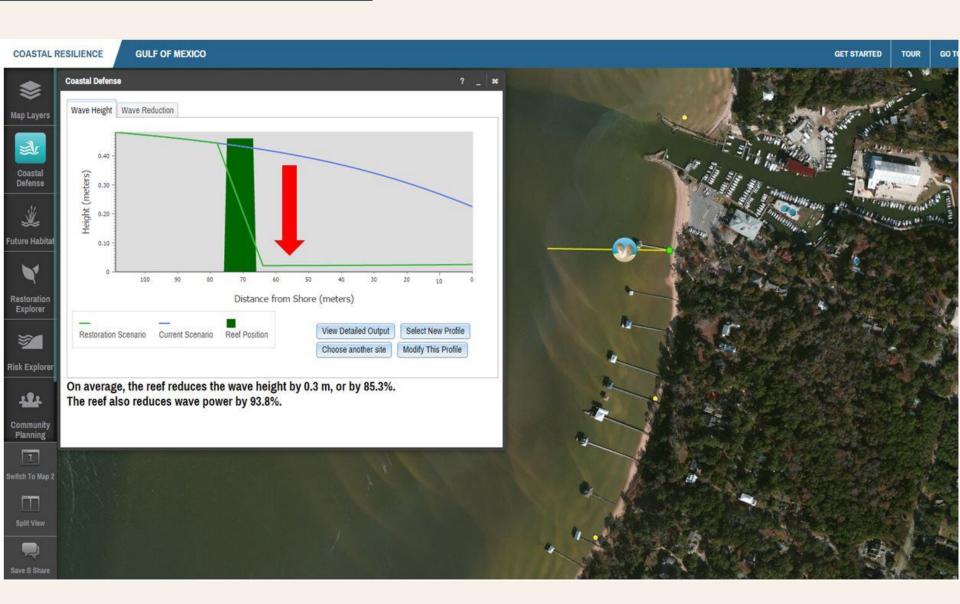**Waves with degraded coastal habitats.**

Wave Height

Coral Reefs

Mangroves

Coastal Defense app

Map Layers

Community Planning

Flood & SLR

Future Habitat

Natural Defense Projects

Habitat and Restoration Explorers

Risk Explorer

Coastal Defense

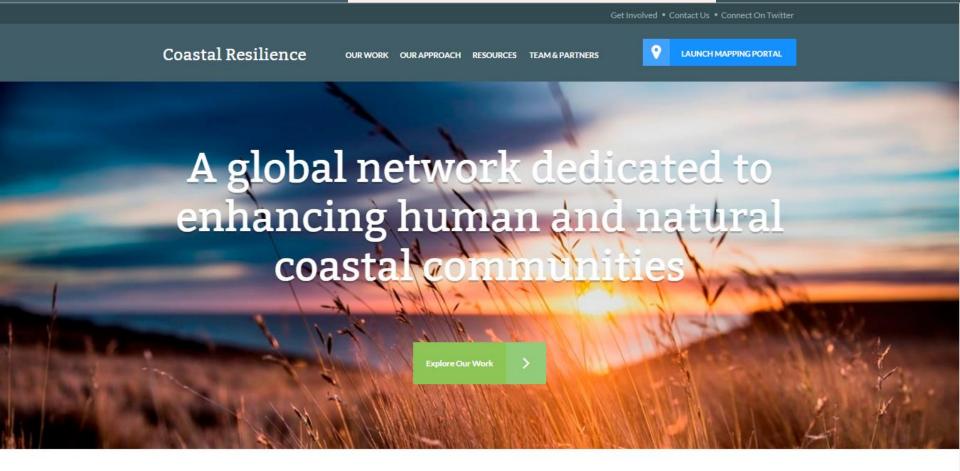Freshwater, Floodplain, Watershed apps

Mapping tool platform with apps

The Nature Conservancy
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natural capital PROJECT

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Association of State Floodplain Managers
ASFPM

THE UNIVERSITY OF SOUTHERN MISSISSIPPI.

USGS
science for a changing world

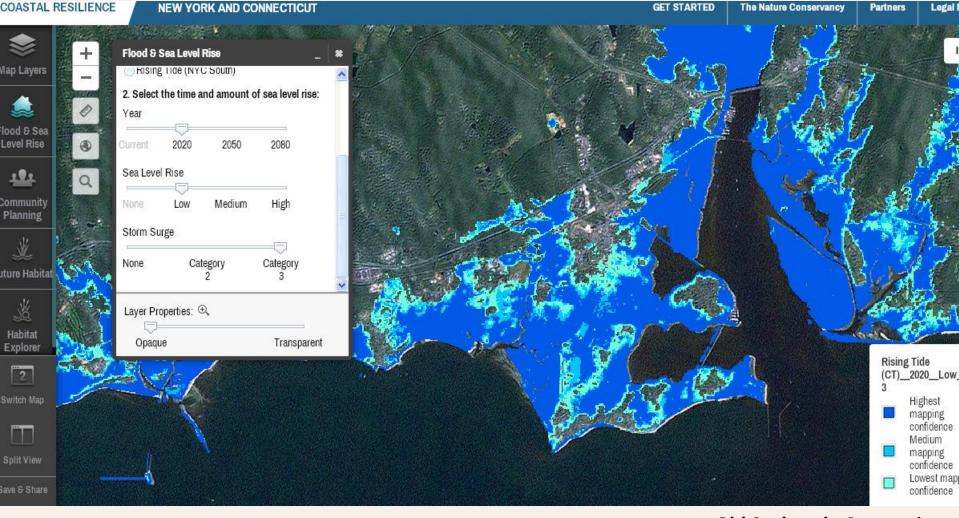# Coastal Resilience in Connecticut

Tools/Apps with Community Process are Better

Flood & Sea Level Rise

Old Saybrook, Connecticut

Foundation for Risk Assessment
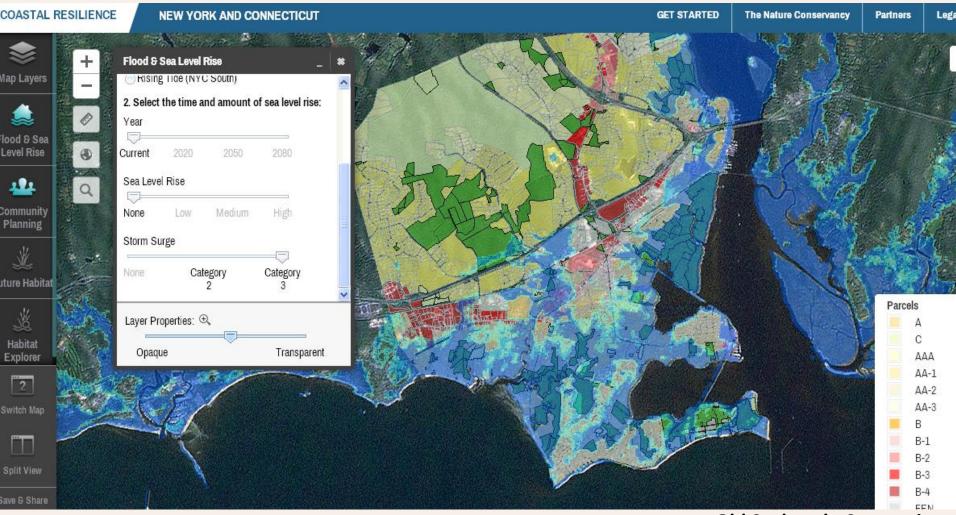
Community Planning

Old Saybrook, Connecticut

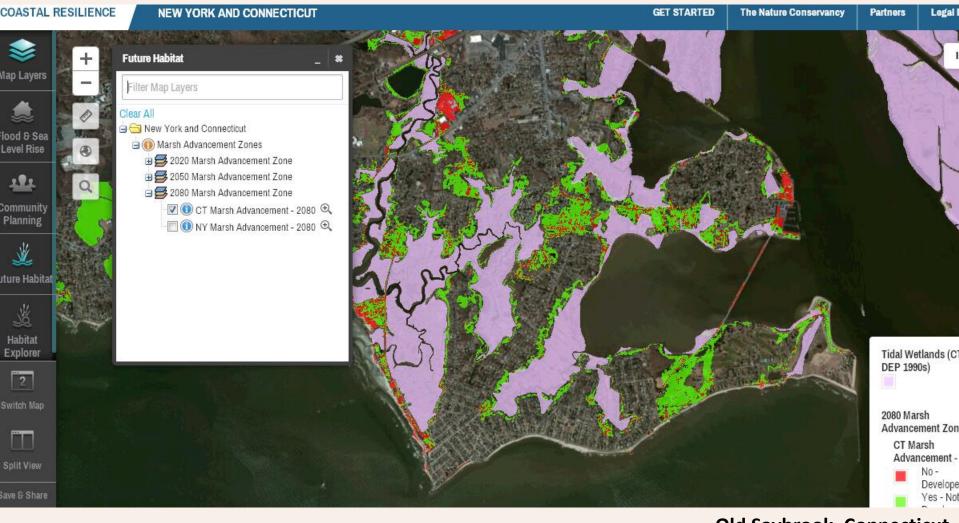## Workbench for the Community

Community Planning + Flood & SLR

Old Saybrook, Connecticut

Workbench for the Community

Future Habitat – Salt Marsh Advancement

Old Saybrook, Connecticut

Guide for Future Land Use

Sincere Thanks

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