

<b>INTRODUCTION</b> <b>Building Resilience to Extreme Weather Events</b>	<b>Student Handout</b>
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Modified from Groundwork Hudson Valley 2018. Distance Learning Module for “Global, Local, Coastal: Preparing the Next Generation for a Changing Climate” pp 79-81

**Introduction**

Access the following web app <https://nicholasericksen.github.io/GHV-data/>

**1. Click on the Adaptation and Resiliency tab**



Climate Science

Climate Change Impact

Adaptation and Resiliency

**2. Click on the Coastal Resilience tab**



The Global Effort

Coastal Resilience

Think Globally, Act Locally

**3. Click on the Coastal Resilience tab again (as the first and third tabs should have changed)**

Estuary Model & Coastal Resilience

Coastal Resilience

NOAA Digital Coast Mapping Tool

#### **4. Watch the video**

##### **Discussion**

After watching the video, discuss the following questions:

- 1. How would you distinguish between weather and climate?**
- 2. How would you explain communal resilience to extreme weather events or climate change?**
- 3. What are some of the ways in which a community can respond immediately after an extreme weather event such as flooding?**
- 4. What are some of the ways in which a community can prepare for an extreme weather event such as flooding?**