



City of Portsmouth, New Hampshire

COASTAL RESILIENCE INITIATIVE

Climate Change Vulnerability Assessment and Adaptation Plan



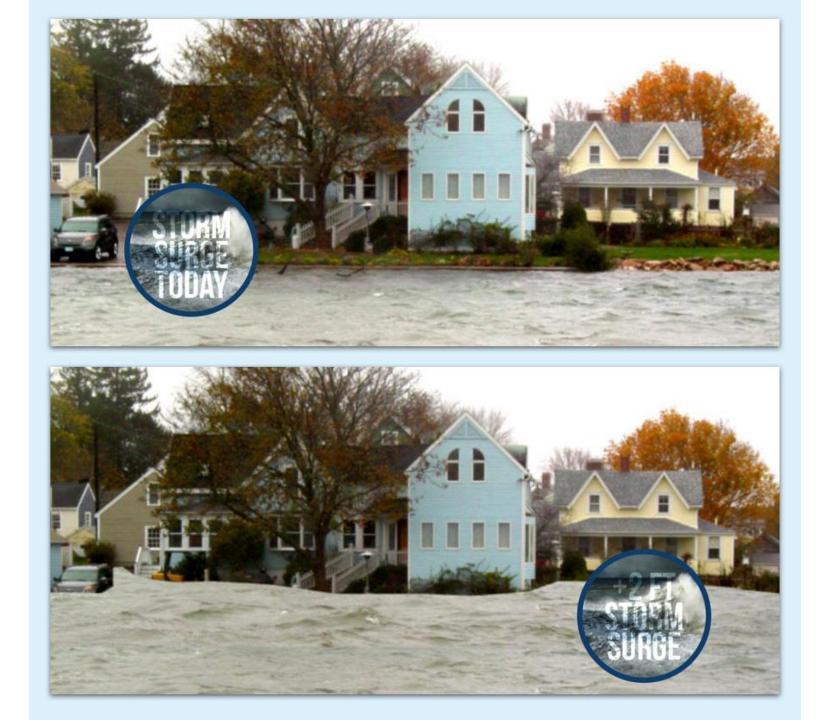


This project was funded by the Gulf of Maine Council through a grant from the National Oceanic and Atmospheric Administration (NOAA).

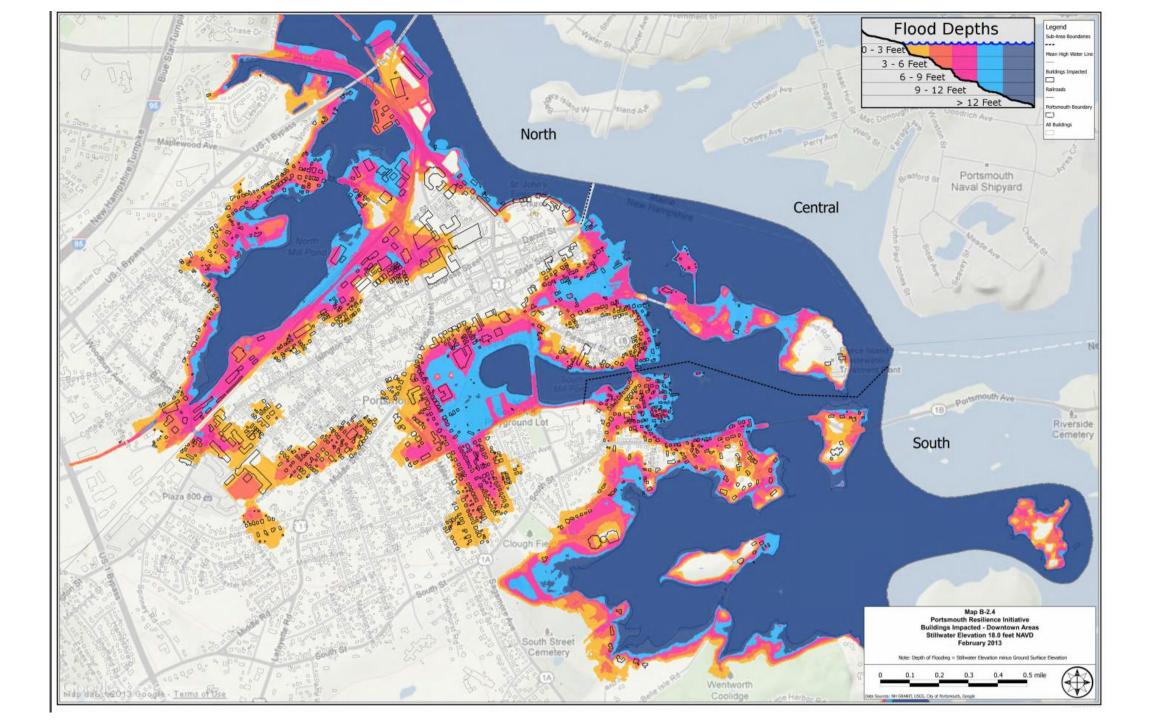


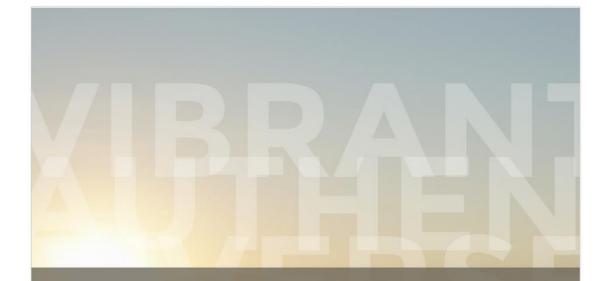












PORTSMOUTH 2025 MASTER PLAN



Image courtesy of Flickr user Keith Burgie



RESILIENT

	GOAL	5.5	Incorporate climate change impacts and adaption into all development review and planning efforts.
5	.4.5 Ensure a	5.5.1	Incorporate sea level rise projections based the on up-to-date state of the art dynamic models into adaptation planning and land use regulations.
-	.4.6 Identify and othe .4.7 Use sustantiation standard	rpi ain ee 5	
5.	.4.8 Develop a	alo	Ensure that Hazard Mitigation Plan updates reflect current projections of climate change impacts.
	5.5 Incorpora	ate	
	dynamic 5.2 Plan for r	5.5.4	Conduct regular vulnerability assessments at five year intervals.
5.	5.3 Ensure th change in5.4 Conduct r	^{npa} 5.5.5	Implement relevant recommendations produced by the Coastal Risk and Hazard Commission.
5.5	Implemen	it ri	Amend state building codes to address the impacts of climate change.
5.5	5.6 Amend st	ate	
5.5	5.7 Incorpora long-term	the second se	Incorporate climate change adaptation strategies into capital planning for long-term infrastructure protection.





DRAFT – Preparing Portsmouth's Historic District for Sea Level Rise

Portsmouth, New Hampshire

Prepared by GEI Consultants, Inc. 5 Milk Street Portland, ME 04101 207-797-8901

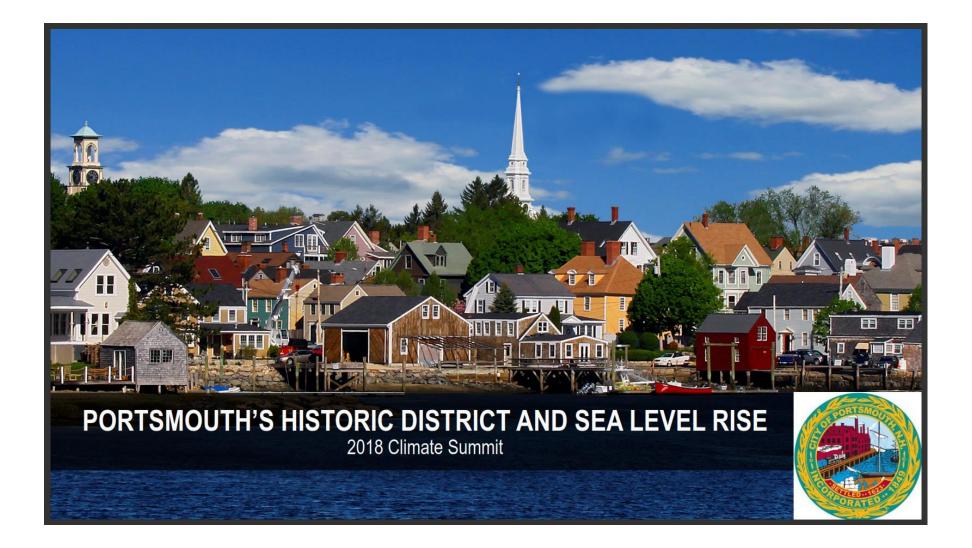
February ___, 2018 Project 1702439

> Samuel B. Merrill, Ph.D. Senior Practice Leader

Project Partners:



Alexander Gray Adaptation Specialist



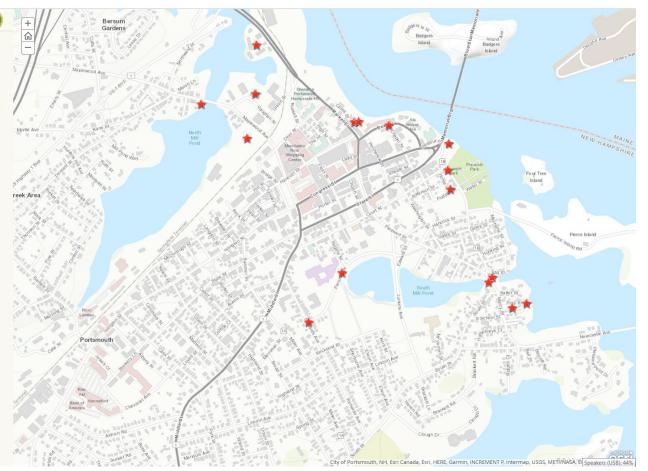
Historic Properties Climate Change Vulnerability

Portsmouth Historic Vulnerability Assessment

Portsmouth Historic Properties Climate Change Vulnerability Assessment and Adaptation Planning Initiative Using coastal flooding projections, Historic District studies, and input from the Local Advisory Committee, a set of adaptation actions has been developed to illustrate a range of approaches that may merit further consideration by the City. For each of 16 actions, this site discusses feasibility, potential effectiveness, cost, and impact on historic character.

ПУ

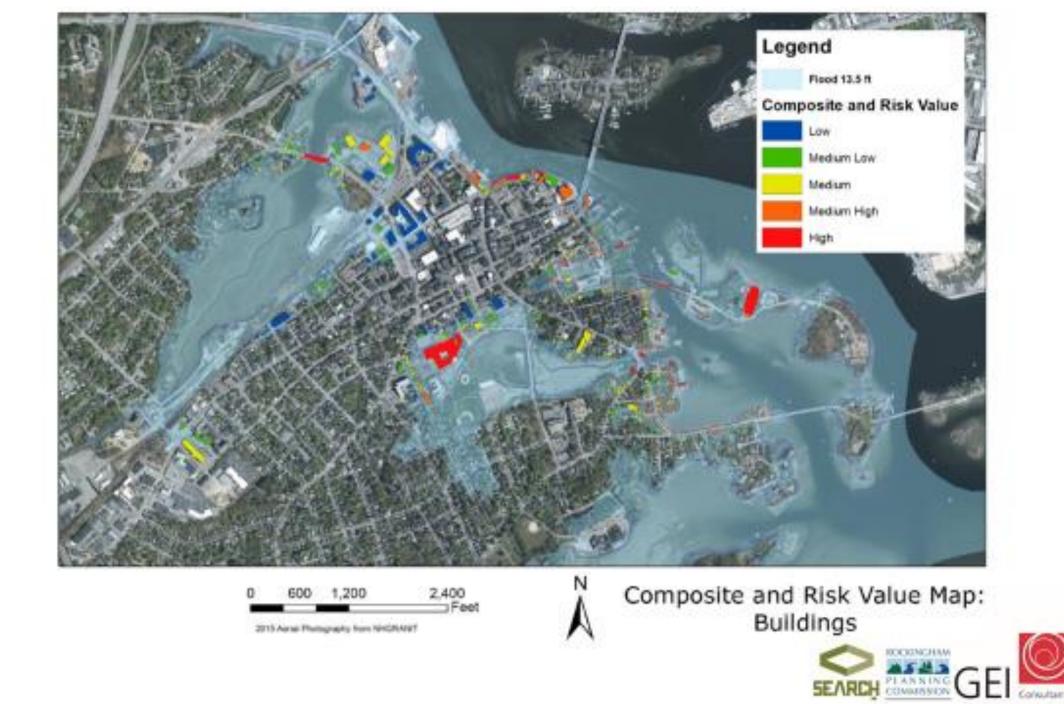


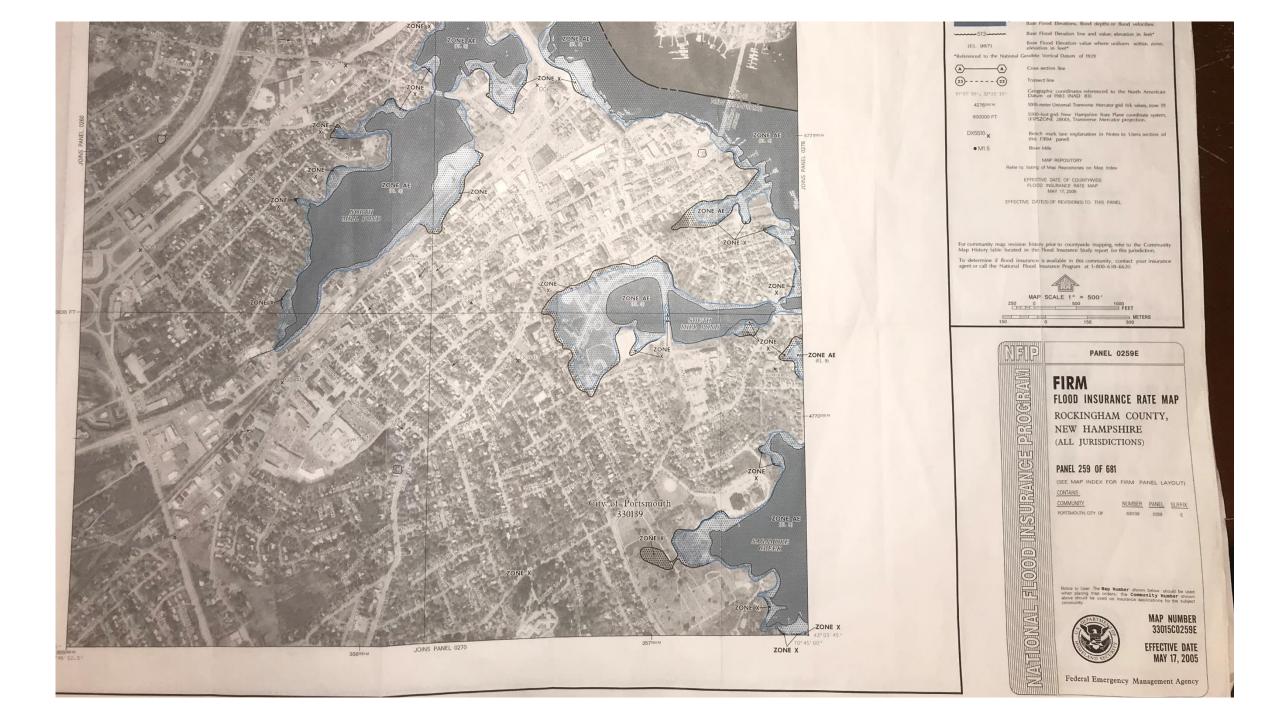


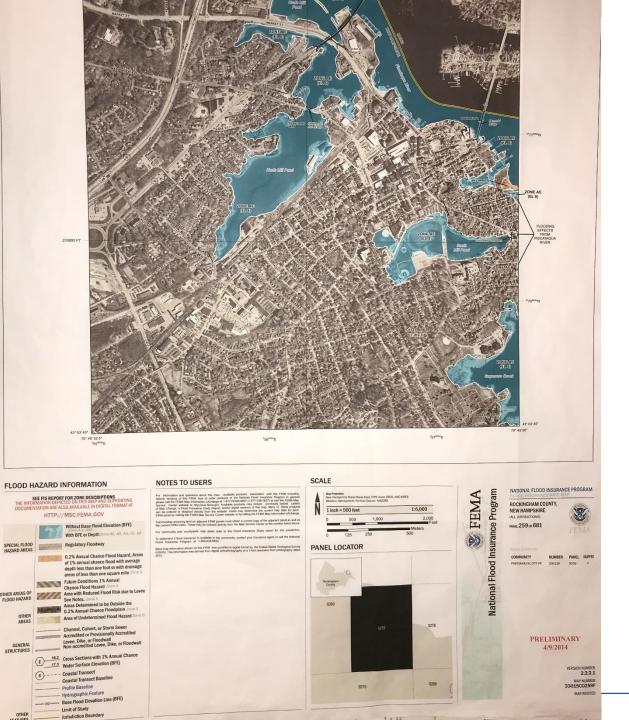
Strategy #1



30 Maplewood Avenue (Christian Shores area







Article 6 Overlay Districts

10.613 Overlay District Locations

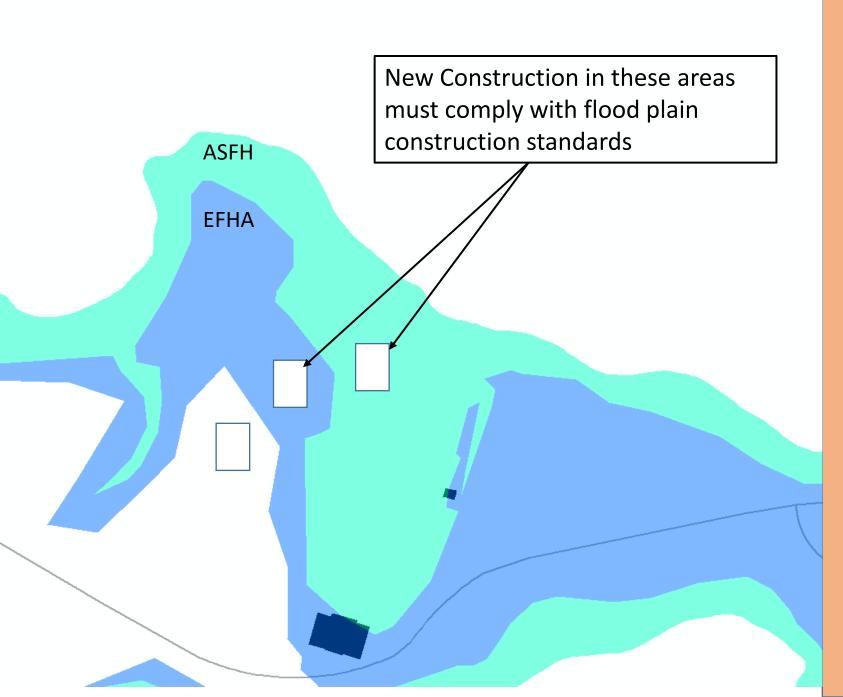
10.613.10 The Flood Plain District (FP) consists of:

(a) all lands designated as special flood hazard areas by the Federal Emergency Management Agency (FEMA) in its "Flood Insurance Study for the County of Rockingham County, NH" dated May 17, 2005 or as amended, together with associated Flood Insurance Rate Maps (FIRM) dated May 17, 2005 or as amended, which are declared to be part of this Ordinance and are hereby incorporated by reference:; and

(b) all extended flood hazard areas as defined in Section 10.622.20. each of which shall be contiguous and adjacent to a special flood hazard area and shall be delineated on the basis of mapped or surveyed elevations.

- 10.613.20 The **Historic District** is identified on the Zoning Map.
- 10.613.30 The Downtown Overlay District (DOD) is identified on the Zoning Map.
- 10.613.40 The **Osprey Landing Overlay District** (OL) is identified on the Zoning Map.
- 10.613.50 The Airport Approach Overlay District (AA) consists of:
 - (a) the Approach Zones shown on the Airport Obstruction Chart AOC 678 with the associated Obstruction Data Sheet ODS 678 (Surveyed October 1990, 1st Edition, for Pease Air Force Base, Portsmouth, NH), along with two detailed drawings (Exhibits 1 and 2), a legend (Exhibit 3), and the accompanying FAR Part 77.25, Civil Airport Imaginary Surfaces (Exhibit 4), all of which documents collectively are hereinafter called the "Airport Obstruction Chart" or "AOC"; and
 - (b) all the land within a distance of two miles from the **airport** reference point shown on the Pease International <u>Tradeport</u> Approach Map.
- 10.613.60 The **Highway Noise Overlay District** (HN) is identified on the Zoning Map.

DRAFT Floodplain Regulation Amendments December 2, 2019



Area of Special Flood Hazard (ASFH) Extended Flood Hazard Area (EFHA)

Example: If a new residential building is built in the ASFH or EFHA after January 1, 2020, the building will be required to be elevated to 2ft above BFE.

