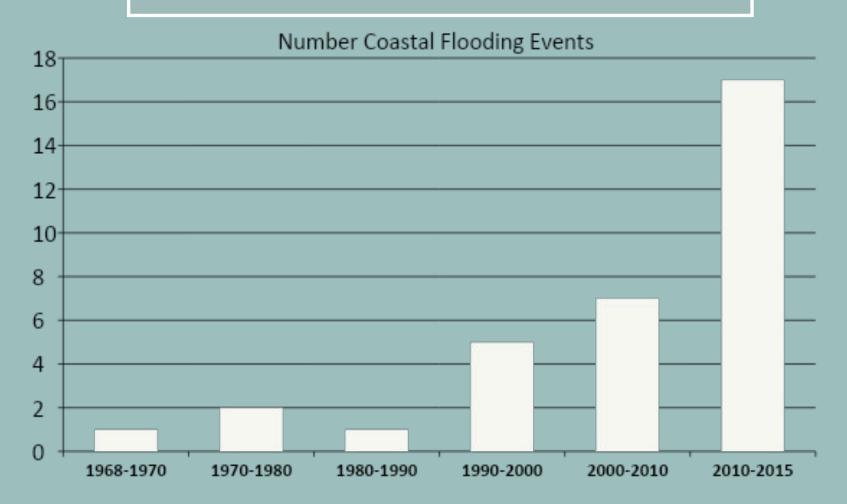
ADDRESSING COASTAL FLOODING IN HAMPTON, NH



WHY DOES HAMPTON FLOOD?



COASTAL FLOODING EVENTS 1968-2015



Data from the 2016 Hazard Mitigation Plan

FLOODING THEN AND NOW

NHPR



2018

TIDES IN HAMPTON



NOAA ANNUAL PREDICTED HIGH TIDE OCCURRENCES - 10 FT. + HAMPTON HARBOR, NH

RECENT FLOODING EVENTS







ADOPTED ZONING FLOOD PROTECTION MEASURES

2017	Reduced the Impervious Coverage Maximum
2018	Minimum I foot of Freeboard
2019	Increased maximum building height up to 3 ft. when applying up to 3 ft. of Freeboard
2019	New structures or substantial redevelopment in the tidal Wetlands Conservation District must be elevated on pilings and open underneath.
2019	Exclude wetlands and their buffers from the minimum lot area calculation

UNIQUE LOCAL & STATE PARTNERSHIP

GOOD IDEAS START WITH BRAINSTORMING

GREAT IDEAS START WITH COFFEE

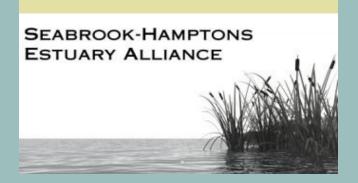


State Agency





Local non-profit



WORKSHOP SERIES:





- Intro to Coastal Flooding +
 Property Resilience Strategies
- Coastal flooding 101
- Importance of coastal landforms
- FEMA flood maps
- Elevation certificates
- "DIY" Solutions

- Options for Protecting Existing
 Homes from Coastal Flooding
- Flood insurance
- Elevating your home

Smart Shoreline Management Approaches

Strategies to:

- Keep water out
- Live with water
- Get out of the water's way

And where they will and won't work



FRAMING RETREAT IN CONTEXT



ACCOMMODATION

LIVING WITH WATER



PROTECTION

KEEPING WATER OUT



RETREAT OR RELOCATION

MOVING OUT OF WATER'S WAY

CLIMIGRATION NETWORK GRANT

Developing an Understanding of and a Process for Long-term Retreat in Hampton, New Hampshire

A local/state partnership

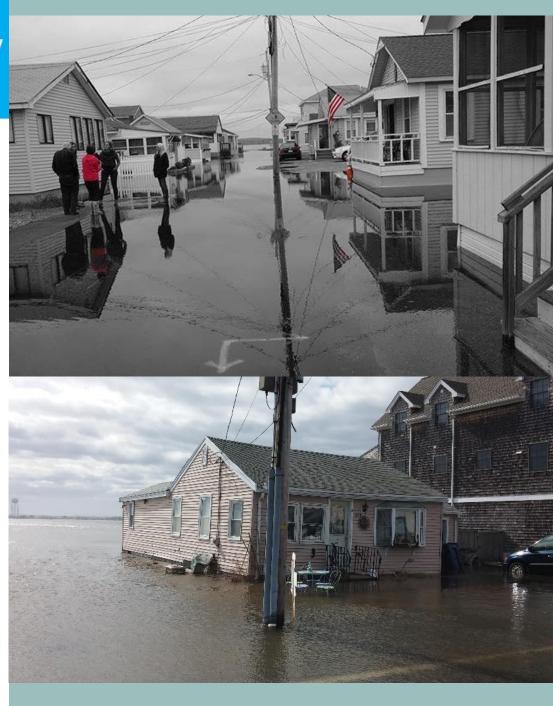








- Conducted: October 9, 2018 October 25, 2018
- Total Participants: 69
- Target Audience: Hampton residents, property owners, businesses, municipal staff, and other stakeholders
- 32 Participants own flood-prone property.
- Given the opportunity, would like to take action to make their property more resilient to flooding.
- 7 Would consider moving to a location that they feel safer in.
- Would like to like to learn more about the potential of a voluntary buy-out program in Hampton.
- 59% Have flood insurance.
- Disagree or Strongly Disagree that property that is severely damaged in floods should be rebuilt even if it is likely that the property will flood again.
- Agree or Strongly Agree that property owners should be responsible for addressing flooding in Hampton.



Who is Responsible for Flooding?



63% Agree or Strongly Agree that property owners are responsible



69% Agree or Strongly Agree that the Town is responsible



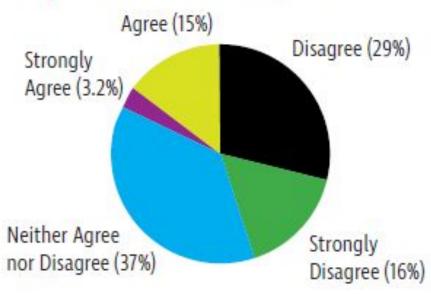
69% Agree or Strongly Agree that the State is responsible



58% Agree or Strongly Agree that the federal government is responsible

Should Vulnerable Properties be Rebuilt?

Property that is severely damaged in floods should be rebuilt even if it is likely that the property will flood again.



Long-Term Adaptation Planning

94% Think a long-term plan to adapt to sea-level rise is needed

"Start realistic buying out."

Buyout and Managed Retreat

68% Agree or strongly agree that they would participate in a discussion about voluntary buyout or managed retreat.

71% Agree or strongly agree that managed retreat may be one component of a long-term adaptation strategy for parts of Hampton.

"Build a sea wall."

"Raise my road."

"Develop managed retreat as an option."

"I live at the beach. I would like to see it stay the same with less development."

"Build a sea wall or buy me out."

"Don't allow new development in the floodplain."

"Dredge the marsh."

"CHAT"

COASTAL HAZARDS ADAPTATION TEAM

- Unique Process
- Membership
- Goals



CHAT PROGRESS

- Review of causes of flooding
- Review of "tides to storms" vulnerability assessment & associated maps
- Developing new local maps highlighting the most vulnerable neighborhoods



CHAT - GOING FORWARD

- Review case histories of adaptation strategies used in similar communities
- Assessing and establishing pros and cons of flooding adaptation strategies for Hampton
- * Establishing a process for assessing interest in, applying for, qualifying projects for, and managing work funded by Hazard Mitigation Grants
- Presenting findings and recommendations to municipal officials and town residents
- Contributing to Hampton's new "Coastal Hazards and Adaptation"
 Master Plan chapter

FLOOD SMART ROUNDTABLE



- Bi-monthly meetings
- Community driven discussion topics
- Bring in local/regional experts

3-PRONGED APPROACH TO ADAPTATION

- Flooding-specific zoning updates
- CHAT Investigation and assessment of adaptation strategies
- Flood Smart Roundtable public outreach on flooding issues

