



Integrating Climate & Coastal Resilience Into Municipal Planning

2022 NH Climate Summit

September 29, 2022

- Jenn Rowden, RPC Land Use Program Manager



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Climate Resilience & Municipalities

Towns and cities are at the forefront of acting.

- NY Times – [*The Way to Slow Climate Change Is as Close as Your City Hall or School Board*](#) (8/26/2022)
- NH Bulletin – [*'We're the Titanic': Effects of climate change already changing life on Seacoast*](#) – Two-part series on communities on the frontlines of climate change (7/16/2022)

NH municipalities have multiple mechanisms to increase resiliency.

- Outreach: required or voluntary public education
- Information: conducting planning efforts
- Laws: adopting regulations
- Money: financing projects directly or applying for grants and loans.

History of success from integrating resilience efforts into established planning processes.

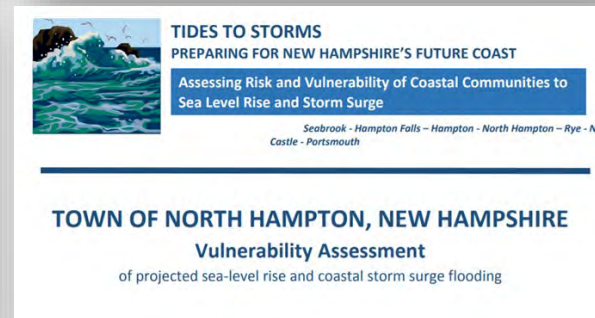
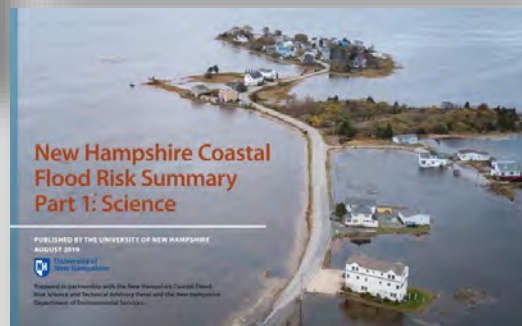
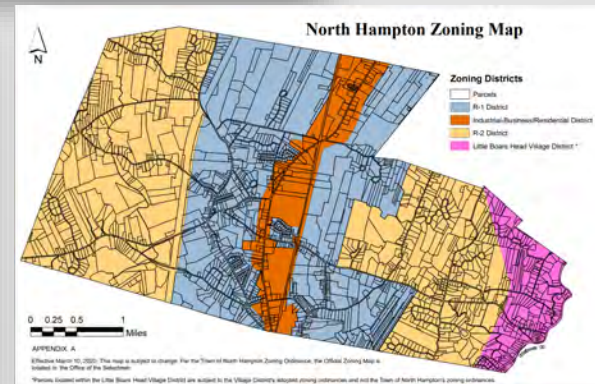
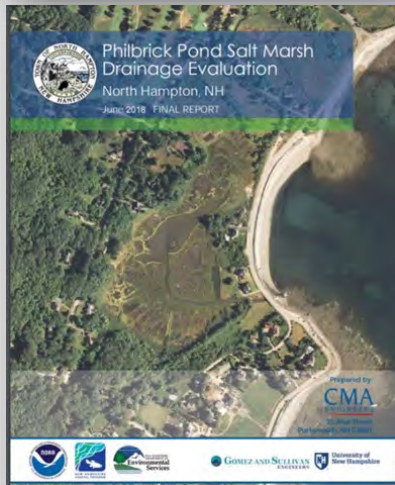
- Capital Improvement Plans (RSA 674:5)
- Local Hazard Mitigation Plans (44 CFR § 201.6)
- Natural Resource Inventories (RSA 36-A)
- Master Plans (RSA 672:2) ← focus of this presentation but involves all the above.



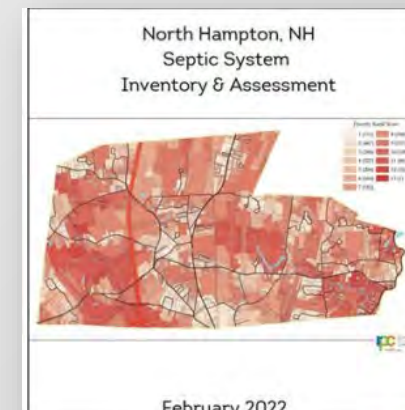
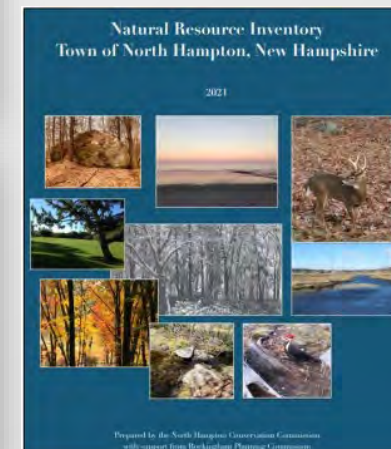
Master Planning 101

- Master Plans are adopted by Planning Boards.
- Legal basis for all municipal zoning regulations
- Consultation with stakeholders is required.
- Only vision & land use sections are required. Coastal management sections and related topics are optional.
- Implementation section is optional, but very important!

North Hampton & Little Boar's Head Coastal Hazards & Adaptation Master Plan Chapters (2022)



- Reviewed history of impacts & actions.
- Built upon ongoing efforts and community momentum to develop comprehensive plan.
- Addressed the unique jurisdictional authority of North Hampton & LBH.
- Put best available information in one place to inform actions.



North Hampton & Little Boar's Head Coastal Hazards & Adaptation Master Plan Chapters (2022)

Acknowledgements

A key part of the development of this project was the participation of the Steering Committee made up of representatives and officials from the Town of North Hampton and Little Boar's Head Village District. The Steering Committee meet regularly during the project to provide input to the content of the master plan chapters and public outreach. The development of this chapter was possible thanks to the volunteer and staff time contributions made by the following individuals:

- North Hampton Planning Board - Valeria Granade
- Little Boar's Head Planning Board - Rob Chelberg
- North Hampton Select Board - James Sunara
- Little Boar's Head Village District Commissioners - Brian Goode
- North Hampton Zoning Board of Adjustments - Rick Stanton
- Conservation Commission - Lisa Wilson
- Heritage Commission - Jeff Hiller
- Agricultural Commission - Audrey Prior
- Town Administrator - Michael Tully
- Emergency Management Director/Tire Chief - Jason Lapine
- Police Chief - Katherine Moore
- Planning & Zoning Administrator - Rick Milner

This chapter was developed with assistance from Rockingham Planning Commission, UNH Cooperative Extension and NH Sea Grant.

This project was funded, in part, by NOAA's Office for Coastal Management under the Coastal Zone Management Act in conjunction with the NH Department of Environmental Services Coastal Program.

Share Your Input
Help North Hampton & Little Boar's Head prepare for a changing climate

Please join one of two virtual public input sessions:
January 13, 8:30-10am
or
January 20, 4:30-6pm
via zoom

In case of weather-related cancellations, please check the official date, a backup date has been scheduled for January 24, 4:30-6pm.

Register here:
sejurl.com/NHHamptonZoom
Registration is required in order to receive the zoom link.

Please join us for a virtual input session to share your feedback on the coastal hazards master plan chapters for North Hampton and Little Boar's Head.

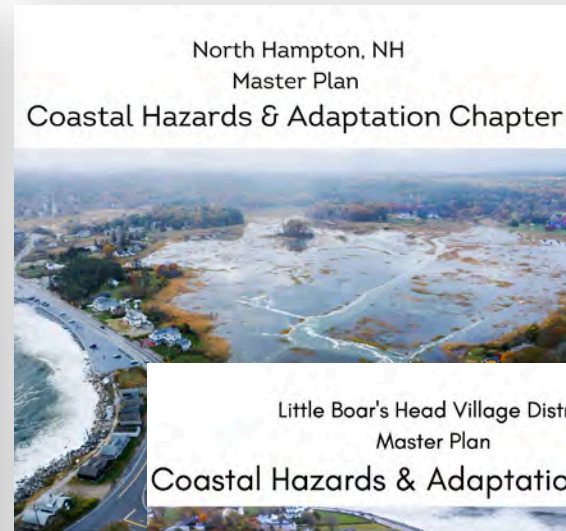
The Town of North Hampton and the Little Boar's Village District are preparing for impacts from hotter temperatures, flooding from more intense rainfall events, and rising sea levels.

Questions?
About registration: Lisa.Wilson@unh.edu
About the project: Jlowden@nhpc.org

Project website (will be live 12/23):
publicinput.com/Climatetoforthamptonlbh

At this public input session, you will have an opportunity to discuss the draft recommended actions addressing climate change impacts on a variety of issues - from critical infrastructure and natural resources to the local economy, public health, historic resources, and community investments. Your feedback can help prioritize recommended actions to build resilience to these impacts.

For persons with disabilities requiring accommodations, prior to the event please contact Lisa.Wilson@unh.edu. Given ample time, we will make every reasonable effort to make accommodations.



- Broad engagement throughout the project from residents, officials and staff.
- Common vision and actions between Town and LBH.
- Emphasized developing realistic actions that fit within existing municipal efforts or processes when possible.
- **Result:** North Hampton is establishing a Coastal Hazards Advisory Committee to work on implementation of Action Plans, incorporating criteria into CIP, using findings in outreach efforts, and using to inform discussions with NHDOT on road projects.

Town of North Hampton and Little Boar's Head Village District
Coastal Hazards and Adaptation Master Plan Chapters – Appendix C Action Plans

North Hampton and Little Boar's Head – Coastal Hazards & Adaptation Master Plan Chapters

TOWN AND VILLAGE OFFICIALS AND STAFF ACTION PLANS FOR IMPLEMENTING GOALS AND ACTIONS OF THE CHAPTER

- CIP
- Code enforcement officer
- Conservation commission
- DPW
- Emergency services (EM, PD, FD)
- Heritage commission
- LBH Commissioners
- Select Board + Town administrator
- Town planning board/ZBA, LBH planning board/ZBA, + planning and zoning administrator
- Water Commission

COASTAL HAZARDS & ADAPTATION MASTER PLAN CHAPTERS

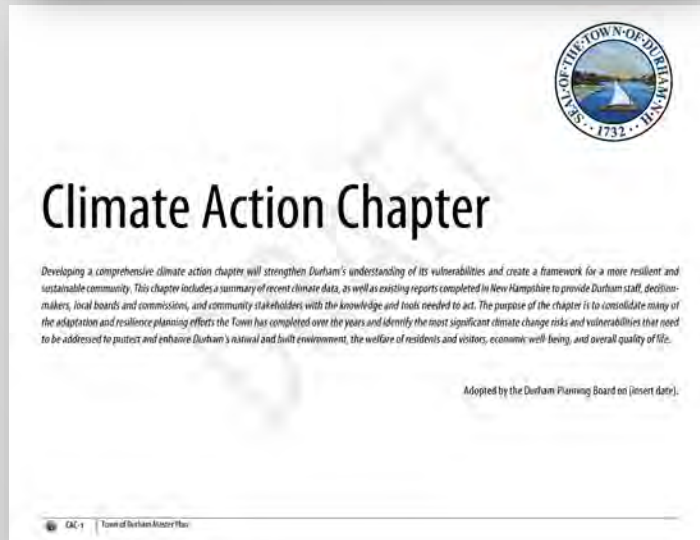
ACTION PLAN TEMPLATE: [BOARD/DEPARTMENT]

ACTIONS WHERE [BOARD/DEPARTMENT] IS A RESPONSIBLE PARTY			
Action	Metric/ Measurement (if applicable)	Timeframe	Responsible Parties (and Supporting Parties)

Durham Climate Action Master Plan Chapter (in progress)



Wiswall Bridge during May 2006 Flood Event (Photo Credit: Durham Hazard



DURHAM CLIMATE ADAPTATION MASTER PLAN CHAPTER
Public input summary
November 2021

The following input is compiled from these sources:

- **Public Input Sessions via zoom:** 10/21/2021 and 10/27/2021 (23 participants total)
- **Online survey,** open from October 25 through November 8 (28 surveys were 100% completed; an additional 21 surveys were partially completed – 14% (8), 24% (3), 33% (4), 43% (1), 52% (2), 71% (1), 81% (1), 90% (3))
- **Comments shared via email** (from 5 individuals plus the agriculture commission)

Those who provided input included Durham residents, UNH staff/faculty, town board and committee members, and town staff.

OVERARCHING CONSIDERATIONS:



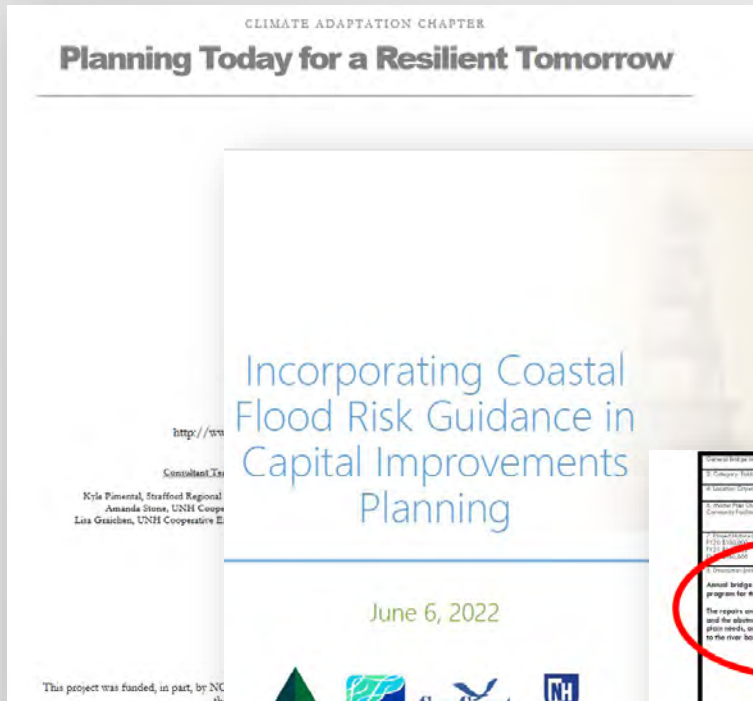
- 78% of survey respondents strongly support the town taking action to address climate change.
- Most survey respondents either feel the town is moderately prepared to address climate impacts (56%), or they don't know (22%). 14% responded that they feel the town is NOT prepared.
- Both the input session discussions and the online survey reflected a tension between some wanting the language of the chapter recommendations to be strengthened, and others feeling it was a bit extreme.



Coastal Flooding at Town Landing during 2017 King Tide Event
(Photo Credit: Strafford Regional Planning Commission)


- Focused more broadly on climate change impacts, including items such as food security, public health, and housing.
- Sought broad input from town staff, officials and public.
- Chapter includes overview of state and local impacts, with sections on Built Infrastructure, Natural and Working Lands, and Community and Economy.
- Goal: Provide the Town with actionable items to build resilience.

Dover Climate Adaptation Master Plan Chapter (2018)



1. Project Title: Annual bridge maintenance based on a bridge repair program for the City's 11 bridges.		2. Project Description: The repairs and maintenance look at the approaches and the abutments of the bridge and address any flood plain needs, as well as impacts that may have occurred to the river banks due to sea level rise.	
3. Project Location: Dover, New Hampshire		4. Project Status: In Progress	
5. Project Funding: \$1,000,000		6. Project Contact: [Name]	
7. Project Start Date: 2022		8. Project End Date: 2025	
9. Project Manager: [Name]		10. Project Sponsor: [Name]	
11. Project Stakeholders: [List]		12. Project Risks: [List]	
13. Project Benefits: [List]		14. Project Challenges: [List]	
15. Project Outcomes: [List]		16. Project Lessons Learned: [List]	
17. Project Next Steps: [List]		18. Project Contact Information: [List]	

GOAL: Improve resiliency for selected projects by providing more information based on the CFR Guidance.



- Similar process as other exemplified for creating Master Plan Chapter (2018).
- Working to move actions forward through many existing City process.
- Chapter implementation strategy action item #37 – Use NH climate science report “...when siting and designing long-term public infrastructure projects and CIP projects that may be at risk to climate change impacts.
- Dover staff and officials are currently working on how to incorporate the Critical Flood Risk Guidance into CIP process.

Resources

North Hampton Coastal Hazards & Adaptation Master Plan Chapter

www.northhampton-nh.gov/planning-board/pages/master-plan

Little Boar's Head Village District Coastal Hazards & Adaptation Master Plan Chapter

www.northhampton-nh.gov/village-district-little-boars-head/pages/documents

Durham Adaptation Master Plan Chapter Input Sessions & Input

www.ci.durham.nh.us/planning/climate-adaptation-master-plan-chapter-input-sessions

Dover Climate Adaptation Master Plan Chapter

www.dover.nh.gov/Assets/government/city-operations/2document/planning/master-plan/Climate/Climate_Adaptation_Chapter_Certified.pdf



Atkinson
Brentwood
Danville
East Kingston
Epping
Exeter
Fremont
Greenland
Hampstead
Hampton
Hampton Falls
Kensington
Kingston
New Castle
Newfields
Newington
Newton
North Hampton
Plaistow
Portsmouth
Raymond
Rye
Salem
Sandown
Seabrook
South Hampton
Stratham

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Rockingham Planning Commission

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