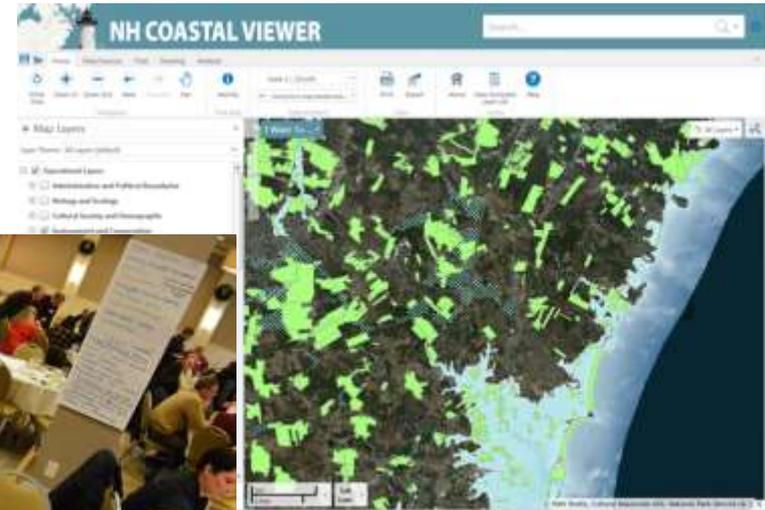


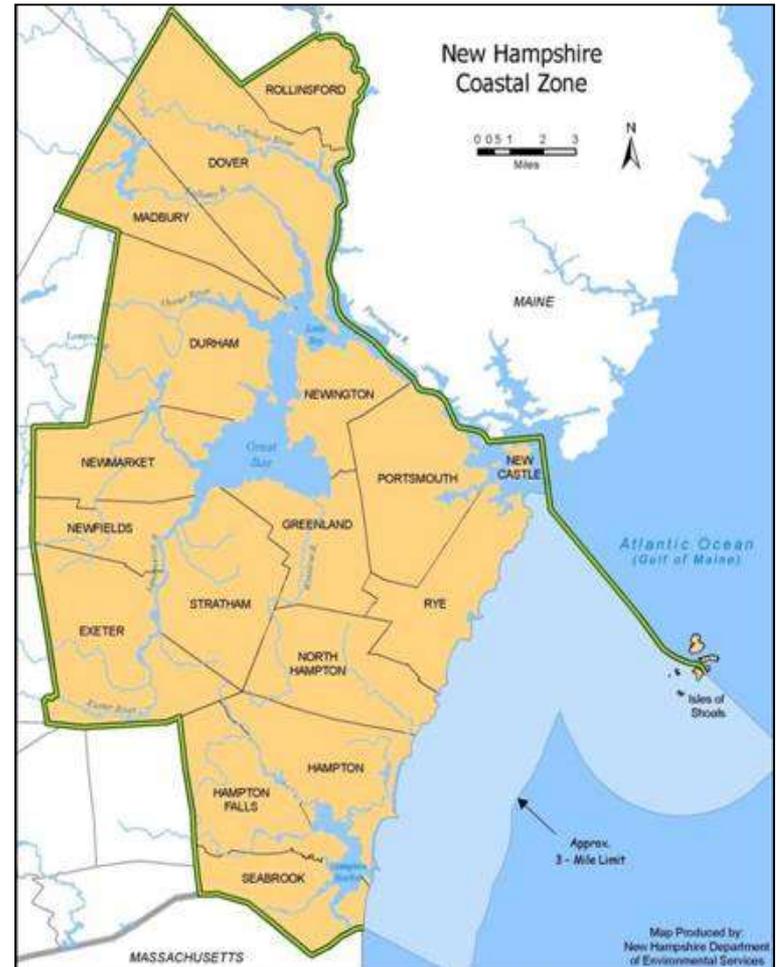
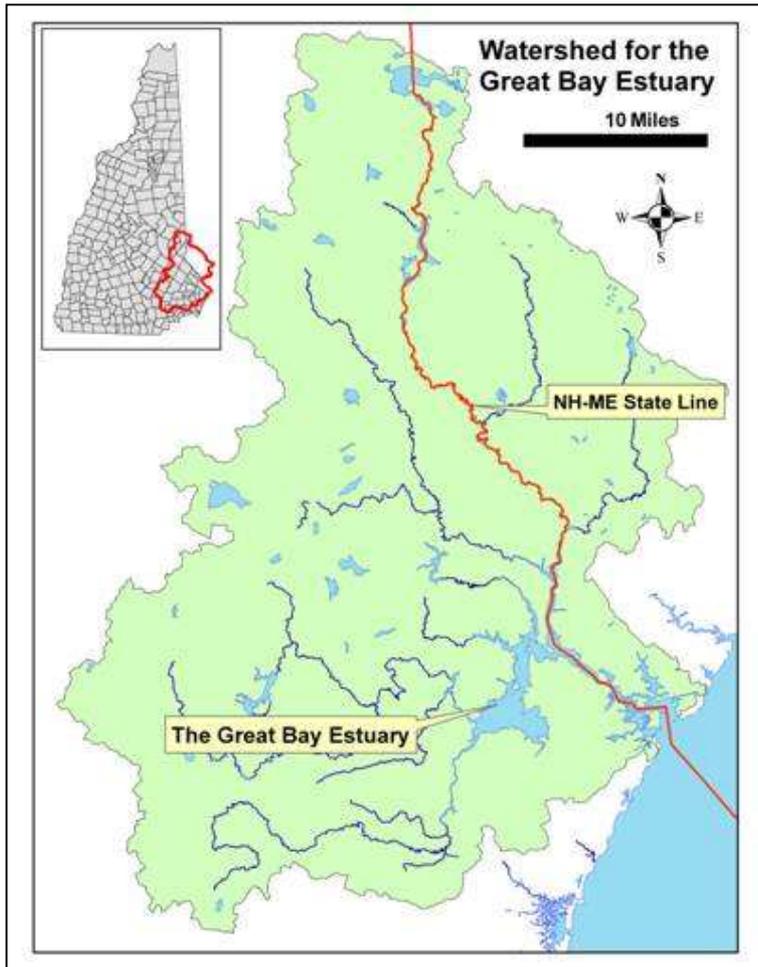
How New Hampshire's Coastal Program Supports State & Local Resilience Action



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Where We Work



Program Goal & Strategies

- Goal is to create informed and resilient coastal NH communities
- 5-year resilience strategies focus on: local resilience technical assistance, state coordination on coastal risks and hazards, resilient tidal culvert replacements, and enhanced shoreline management



Local Resilience Technical Assistance Program

Highlights

- Co-founded and active partner and supporter of the NH Coastal Adaptation Workgroup (CAW)
- Released two competitive grant programs focused on local resilience projects
- Provide sustained funding for regional planning commissions and UNH Cooperative Extension to incorporate climate risks into local planning
- Collaborate with local partners on other competitive grant funding opportunities like NOAA Projects of Special Merit, NERRS Science Collaborative funds, FHWA green infrastructure, and NOAA Regional Resilience



Local Resilience Technical Assistance Program Example

Dune Restoration and Planning in the Hampton Seabrook Estuary

- NHCP funded UNH Cooperative Extension and NH Sea Grant
- Restored 2 acres of degraded dune in Hampton and Seabrook
- Engaged middle school students as volunteers
- Created community dune garden
- Removed old state park dance floor and replaced with dune habitat
- Provided education to residents about the storm protection benefits of intact dune systems
- 2nd phase of funding begins in 2017

Outcome: project has helped create local champions in schools and community; thanks to these champions Seabrook passed adaptation master plan chapter and Hampton is working to enroll in FEMA CRS



NH Coastal Risk and Hazards Commission

Highlights

- Established by state law in 2013
- Broad membership, including all 17 Coastal Zone communities
- Clear charge to recommend rules, policies and regulations to enable better preparation for storm surge, sea-level rise, and extreme precipitation
- NHCP staffed and participated on Commission and subgroups
- Final report was unanimously adopted by Commission bipartisan representatives
- Passed two state laws implementing first step recommendations
- Continuing outreach in communities and state agencies focused on report findings and recommendations



Prioritizing Resilient Tidal Culvert Replacements



Highlights

- Developing a tidal culvert assessment methodology to address local need
- Assessment will incorporate sea-level rise
- Submitted a project of special merit proposal to test the methodology on the ~100 tidal culverts in coastal New Hampshire
- If funded, NHCP will take results to communities to help prioritize culvert replacements in Capital Improvement Plans
- Town of Rye already decided to upsize one culvert (triple the cost of in kind replacement) due to sea-level rise and storm projections—they recognize they need to do this



Enhanced Tidal Shoreline Management

Highlights

- Developing practical guidance to protect shorelines while protecting ecosystem services
- Supporting Wagon Hill Farm pilot living shoreline project
- Providing technical assistance on other living shoreline projects as wetlands permit applications come in
- Working with Northeast Regional Ocean Council, NERACOOS, and other Northeast Coastal Zone Management Programs to develop consistent guidance for living shorelines
- Planning series of educational workshops and fact sheets to share guidance with key local audiences
- Conducting living shoreline site suitability model



Enhanced Tidal Shoreline Management Example

Wagon Hill Farm Living Shoreline Pilot Project

- Facilitating planning team process with Town of Durham, UNH experts, state and federal permit officials, and potential construction funding sources
- Providing two planning and design seed grants
- Assisting with stakeholder engagement at Durham Day and town meetings



Compete for Grant Opportunities

Highlights

- NOAA Projects of special merit funded partners to complete Sea Level Affecting Marsh Model, NH Coastal Viewer, planning for climate change community workshops, local vulnerability assessments, and local technical assistance to implement Coastal Risk and Hazards Commission recommendations
- NOAA Regional Resilience grant funded living shoreline guidance development, outreach, and improved hydrodynamic modeling and forecasting in Great Bay
- NOAA Coastal Management Fellowship will fund enhanced living shoreline work
- NOAA Ecosystem Resilience grant funded hazard dam removal



NH Coastal Program has the tools to support local resilience in coastal NH

1. We have been doing this for a while
2. We have established trust in communities and with local partners
3. We have established trust with state agency staff who need to be involved, such as environmental permit officials, NHDOT, state parks, NH Fish & Game etc.
4. We are set up to pass through funds and connect communities to other resources for pilot projects and model initiatives that catalyze resilience planning and implementation
5. We understand the local needs—and the fact that each community, no matter how small, has distinct needs from its neighbor

