

New Hampshire House Bill 648  
Chapter 179 Laws of 2007  
Comprehensive Flood Management Study Commission

Final Report  
September 2008



Presentation to:

NH Coastal Risks and Hazards Commission (RSA 483-E)

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# Hazards Quiz: Name the source

“The state of New Hampshire can no longer afford the luxury of ignoring a major problem of increasing proportions affecting the safety and welfare of present and future generations as well as the economic growth of the state.”



# HB 648 Flood Commission: Purpose

“Develop a Comprehensive Flood Management Plan that considers possible measures for minimizing flood impacts on communities and individual properties...”



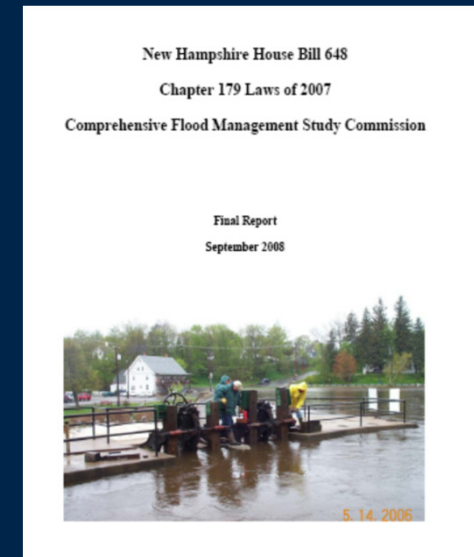
# HB 648 Flood Commission: Membership

- Rep. Gene Andersen, House: Science, Technology and Energy (CHAIR)
- Gary Kerr, Hydroelectric Industry (VICE CHAIR)
- Rep. Vincent Greco, House: Fish and Game
- Rep. Peter Allen, House: Environment and Agriculture
- Rep. David Russell, House: Resources, Recreation and Development
- Sen. Margaret Hassan
- Sen. Harold Janeway
- Katja Fox, Governor's Office (Assistant for Policy)
- John Magee, Rivers Management Advisory Committee
- Sue Desruisseaux, MPANH Municipal Association (Town of Goffstown)
- Mark Zankel, The Nature Conservancy
- Steve Couture, DES Commissioner (DES Water Division, Rivers Coordinator)
- Robert Beaurivage, P.E.NH Water Works Association (Manchester Water Works Assistant Director)
- Joanne Cassulo, Governor's Office of Energy and planning (Floodplain Coordinator)
- Stewart Yeaton, Agriculture
- Michael Andosca, Shorefront Property Owner
- James Gallagher, P.E.DES – Hydrologist (DES Water Division)
- Others: Jennifer Gilbert (OEP), Keith Robinson (USGS), Chris Pope & Mike Poirier (Emergency Management), Mike Pillsbury (NHDOT), Carl Paulsen (NH Rivers Council), & Steve Doyon, Rick Chormann, & Jennifer Rowden (NHDES)

# HB 648 Flood Commission: Process

- Timeline: August 2007-September 2008
- 16 presentations (Appendix C of Final Report)
- 3 Subcommittees
  - Landscape Management
  - Flood Forecasting & Data Collection
  - Dam Management

# HB 648 Flood Commission: Final Report



- 3 Sections
  - Landscape Management
  - Flood Forecasting & Data Collection
  - Dam Management
- Focused on Needs and Recommendations
- Implementation Table

# HB 648 Flood Commission Implementation

**Need: Ensure that bridges and culverts are adequately sized.**

- Develop an in-lieu fee mitigation option (DES) for projects that impact floodplains and stream channels.



# HB 648 Flood Commission Implementation

**Need: Ensure that bridges and culverts are adequately sized.**

- Adopt wetland rules that incorporate the following design guidance:
  - To allow for passage of the 100-year frequency storm.
  - To ensure to the maximum extent possible that there is no increase in flood stages on abutting properties.
  - Flow and sediment transport characteristics will not be affected in a manner which could adversely affect channel stability as described in the *NH Fish and Game Stream Crossing Guidance*(September 2008)





# HB 648 Flood Commission Implementation

**Need: Establish a state-level regulatory approach for floodplain management.**

- Incorporate floodplain management into existing state regulatory programs; specifically DES Alteration of Terrain (AoT) and Wetlands Bureau.



# HB 648 Flood Commission Implementation

**Need: Establish a state-level fluvial erosion hazard program**

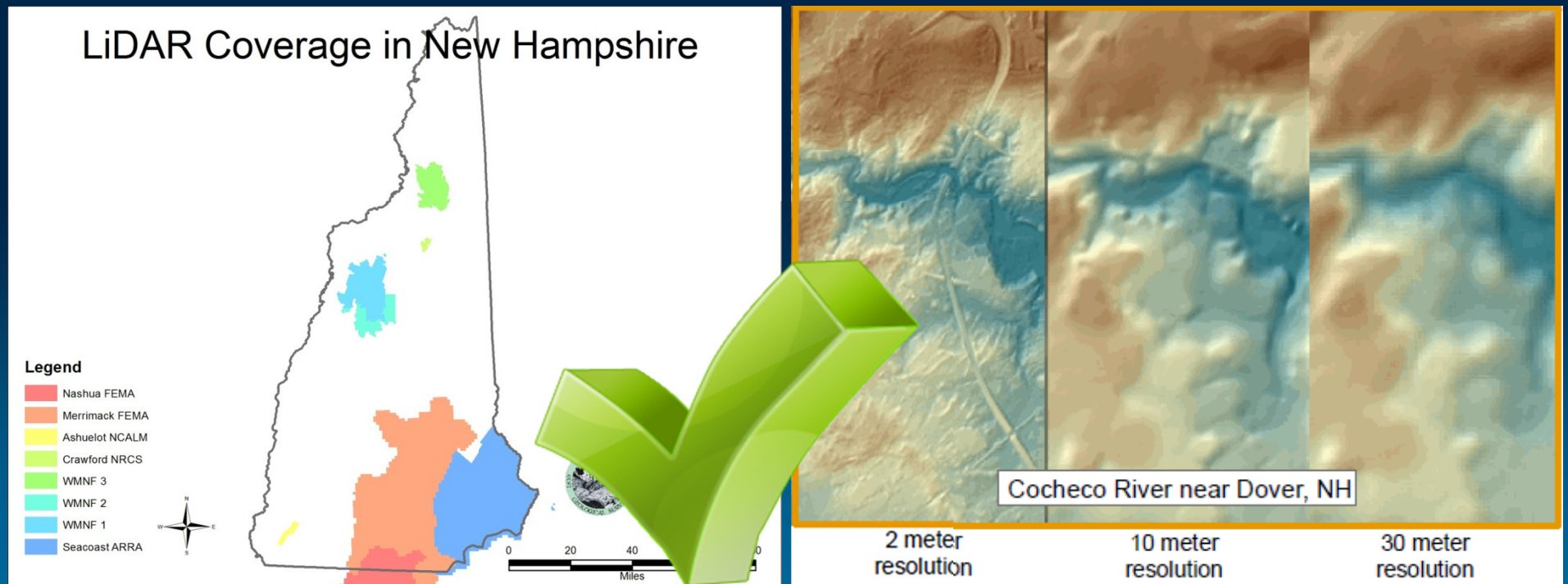
- Provide a state funding mechanism to support staffing for the program
- Amend state law, if necessary, to allow for the establishment of fluvial erosion hazard ordinances



# HB 648 Flood Commission Implementation

**Need: Increased information collection to improve flood forecasting.**

- Improve GIS and LiDAR data for state to help identify potential flood inundation areas



# Questions?

- HB 648 Report:

<http://gencourt.state.nh.us/statstudcomm/reports/1853.pdf>

- Contact:

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