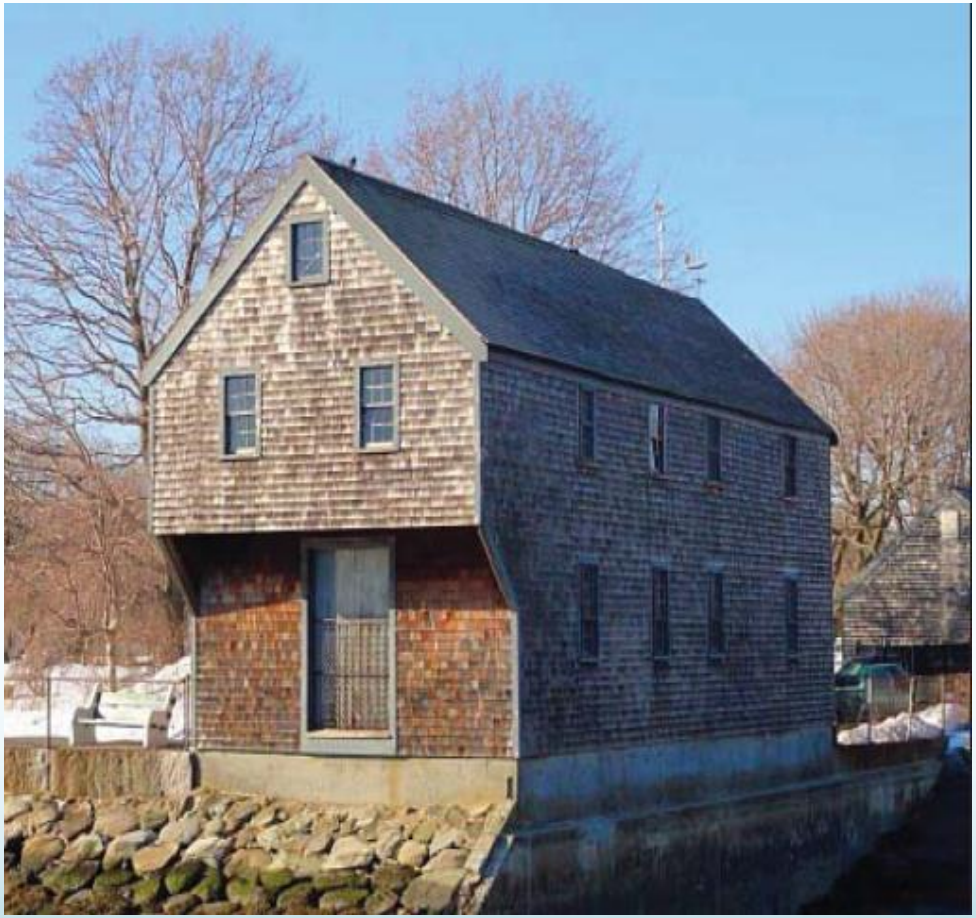
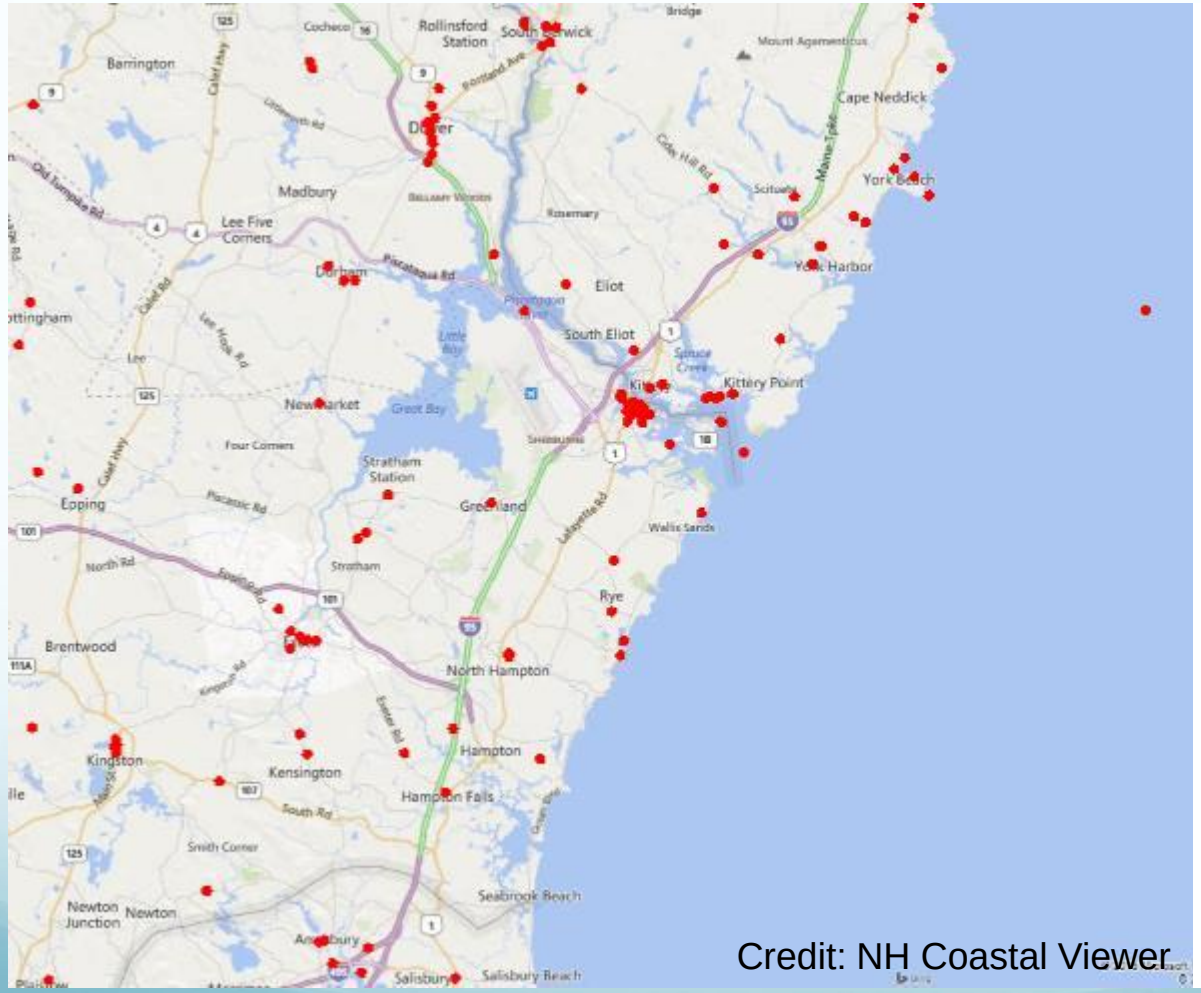
Keeping New Hampshire's History Above Water:
Protecting Seacoast Heritage from Climate Change and Coastal Hazards



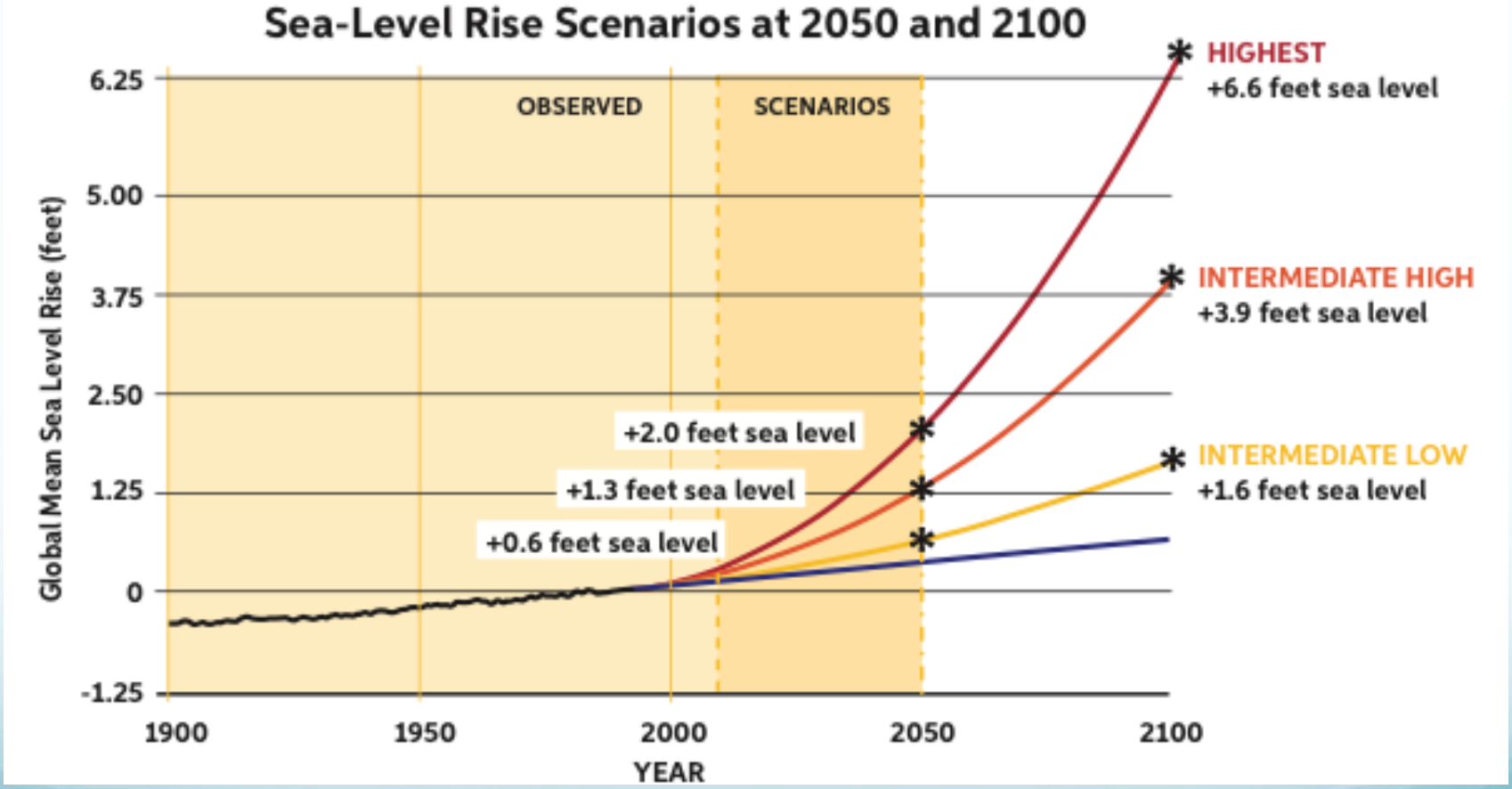
Coastal NH and Cultural Resources



Credit: NH Coastal Viewer

Red dots show points from the National Register of Historic Places, which is only a fraction of the historical and cultural resources in NH.

Sea Level Rise in NH

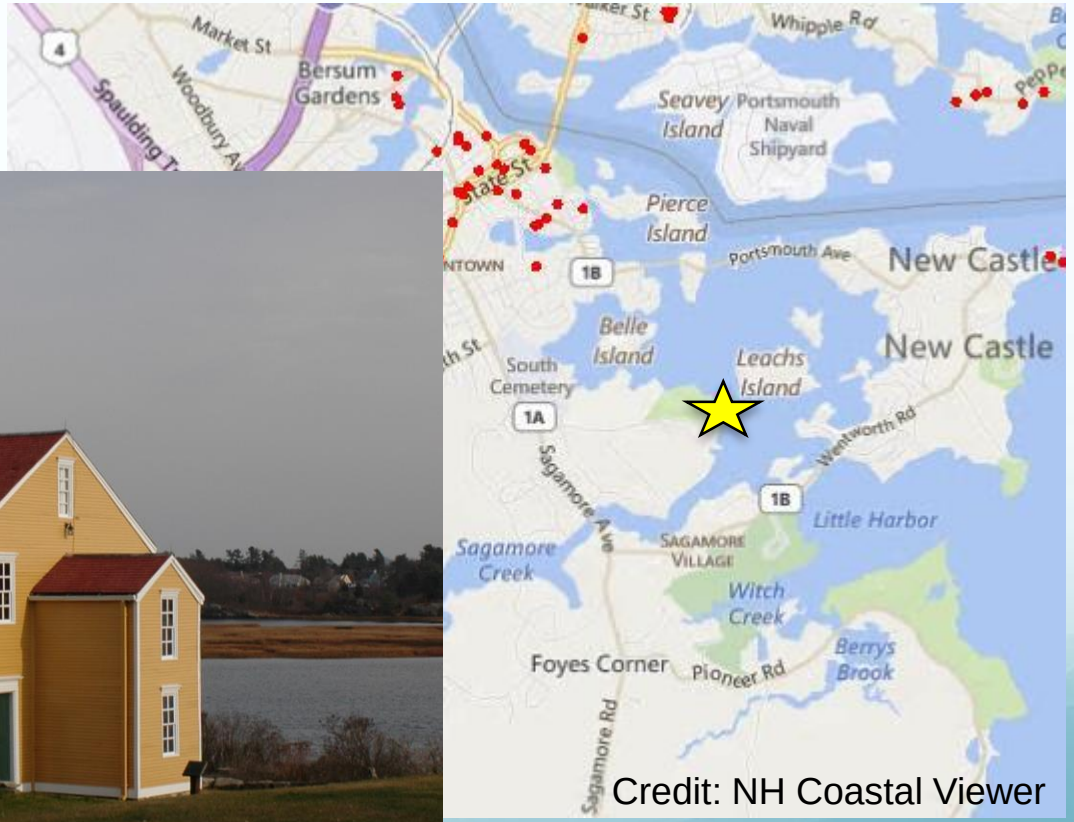


Credit: NHCRHC Science and Technical Advisory Panel

Coastal NH and Cultural Resources

Example: How will sea level rise affect the Wentworth-Coolidge Mansion?

Credit: Steve Miller



Credit: NH Coastal Viewer

Wentworth-Coolidge Mansion and Sea Level Rise

Wentworth-Coolidge Mansion from above.
Current conditions at low tide.

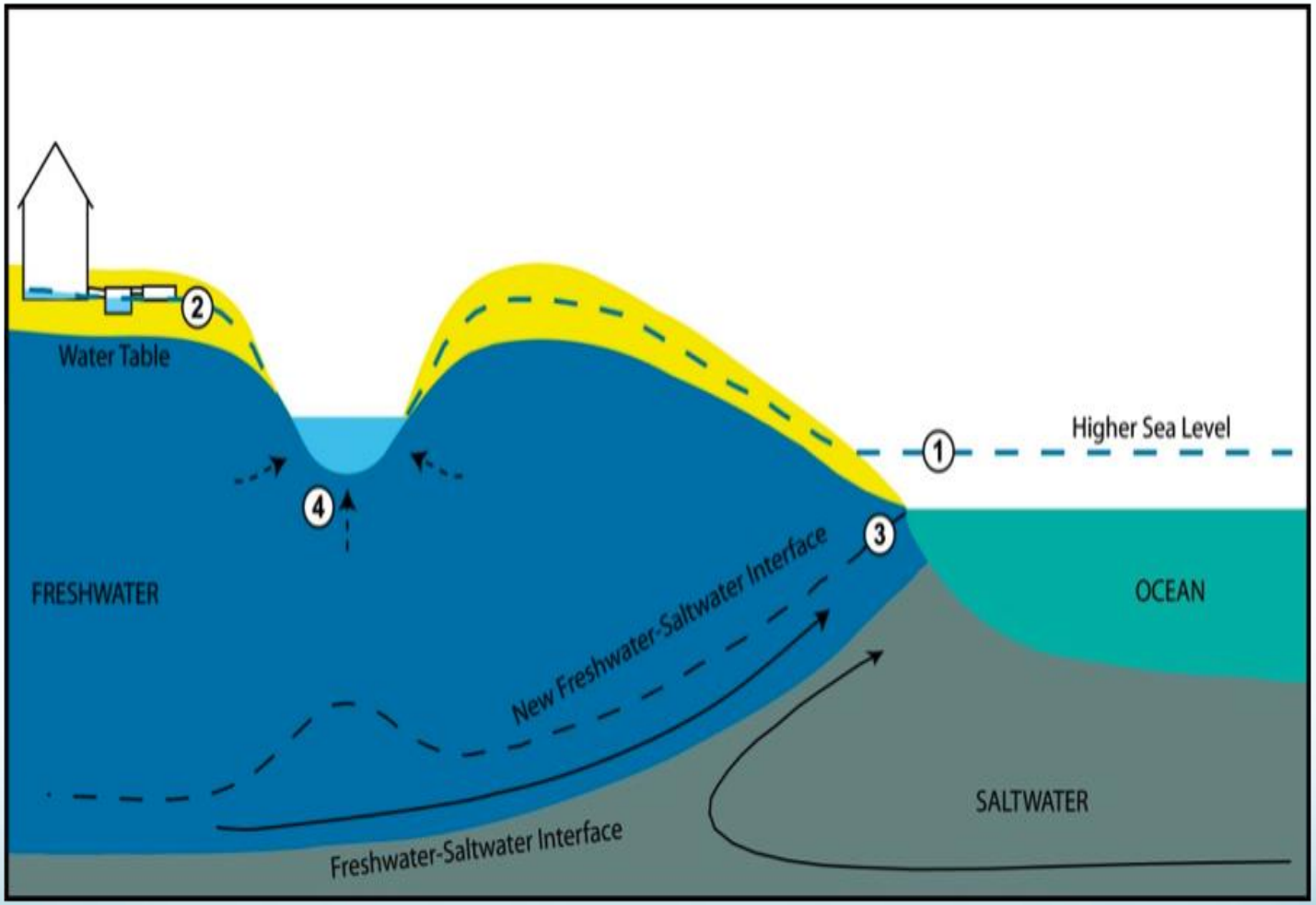
Wentworth-Coolidge Mansion and Sea Level Rise

Regular tidal flooding with 1.7’ of sea level rise.

Wentworth-Coolidge Mansion and Sea Level Rise

Regular tidal flooding with 6.3’ of sea level rise.

Sea level rise will also impact groundwater levels



(USGS URL: wh.er.usgs.gov/slr/coastalgroundwater.html)

Thinking About Solutions…and Tradeoffs

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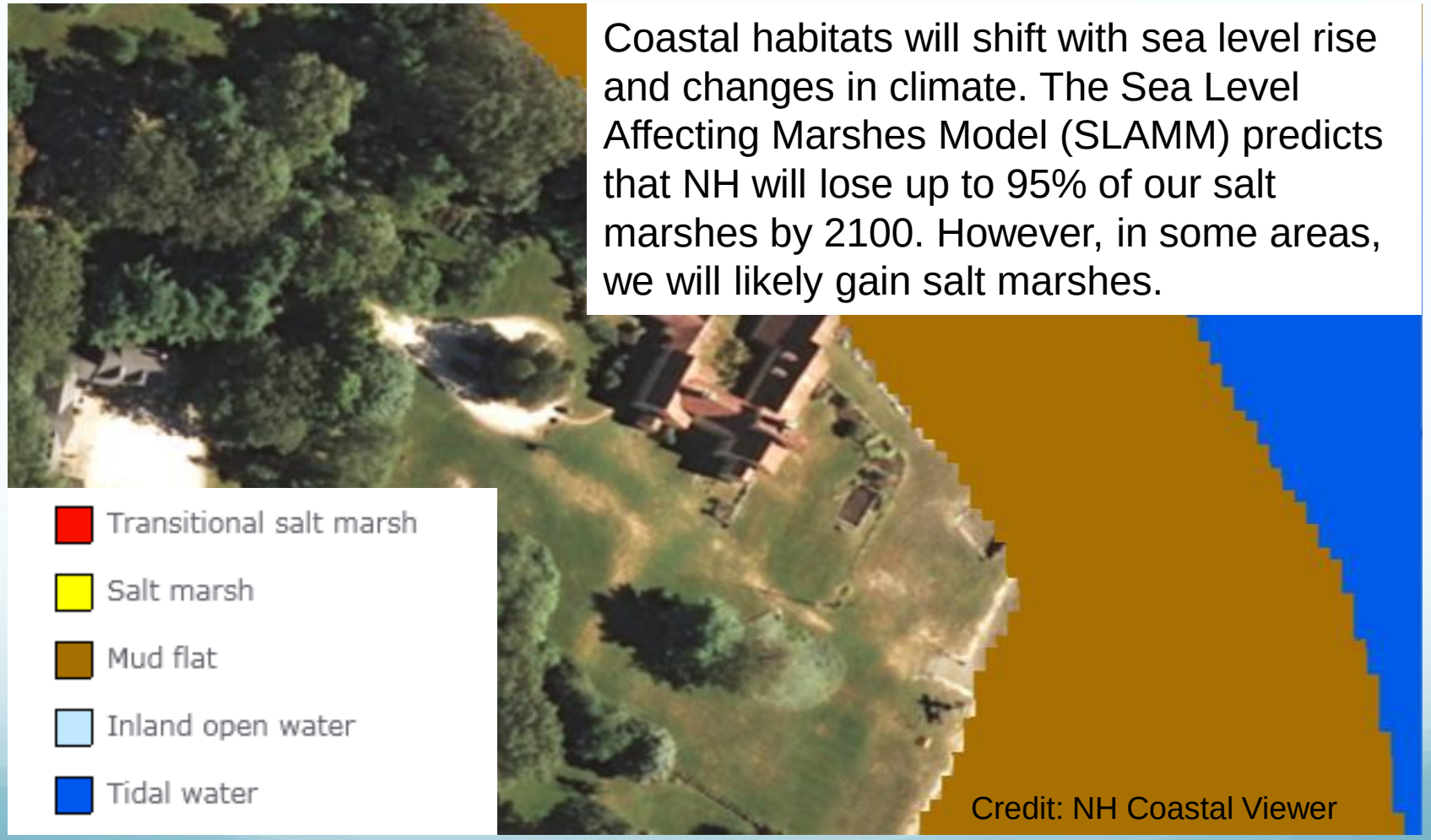
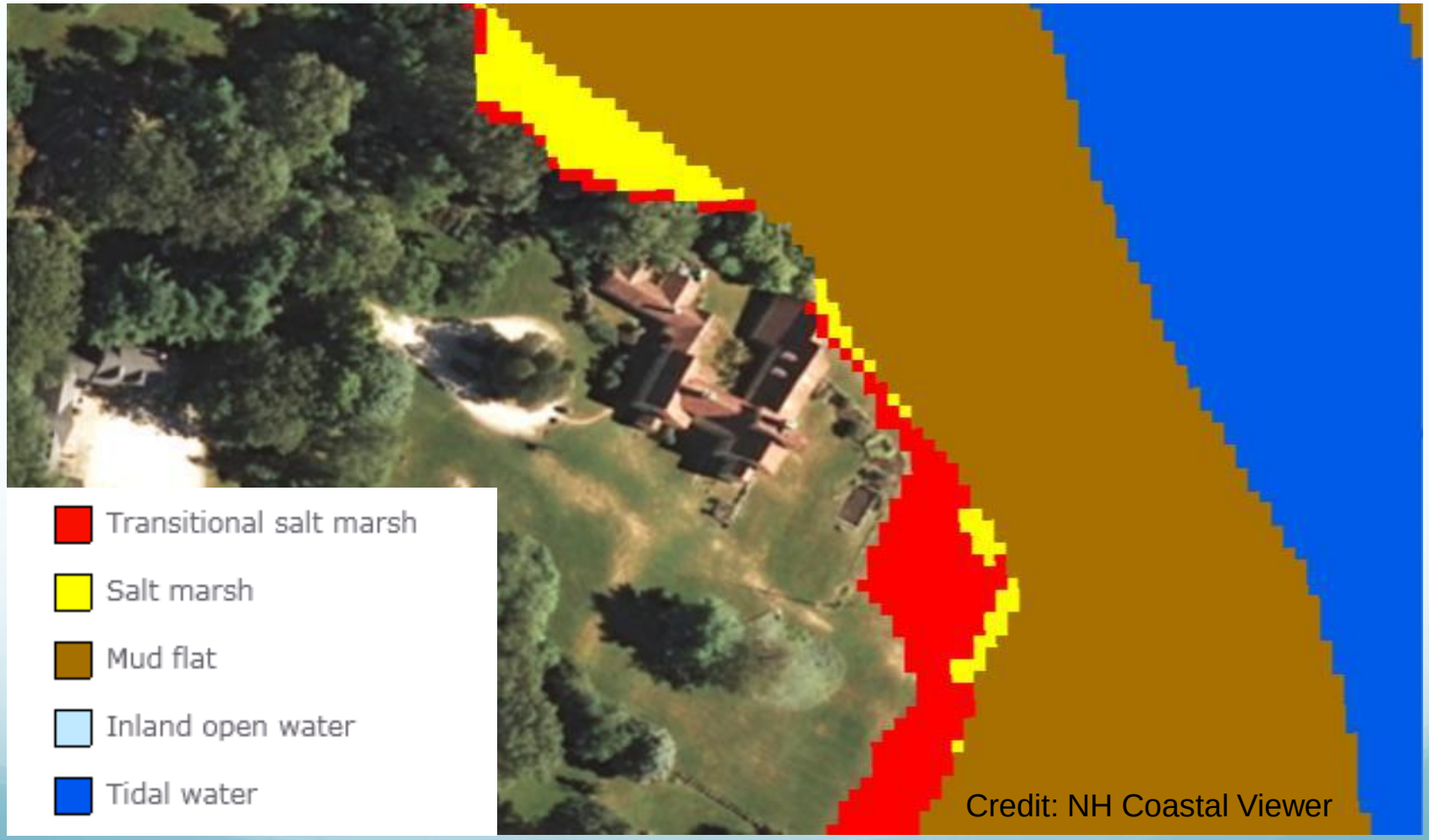
Coastal habitats will shift with sea level rise and changes in climate. The Sea Level Affecting Marshes Model (SLAMM) predicts that NH will lose up to 95% of our salt marshes by 2100. However, in some areas, we will likely gain salt marshes.

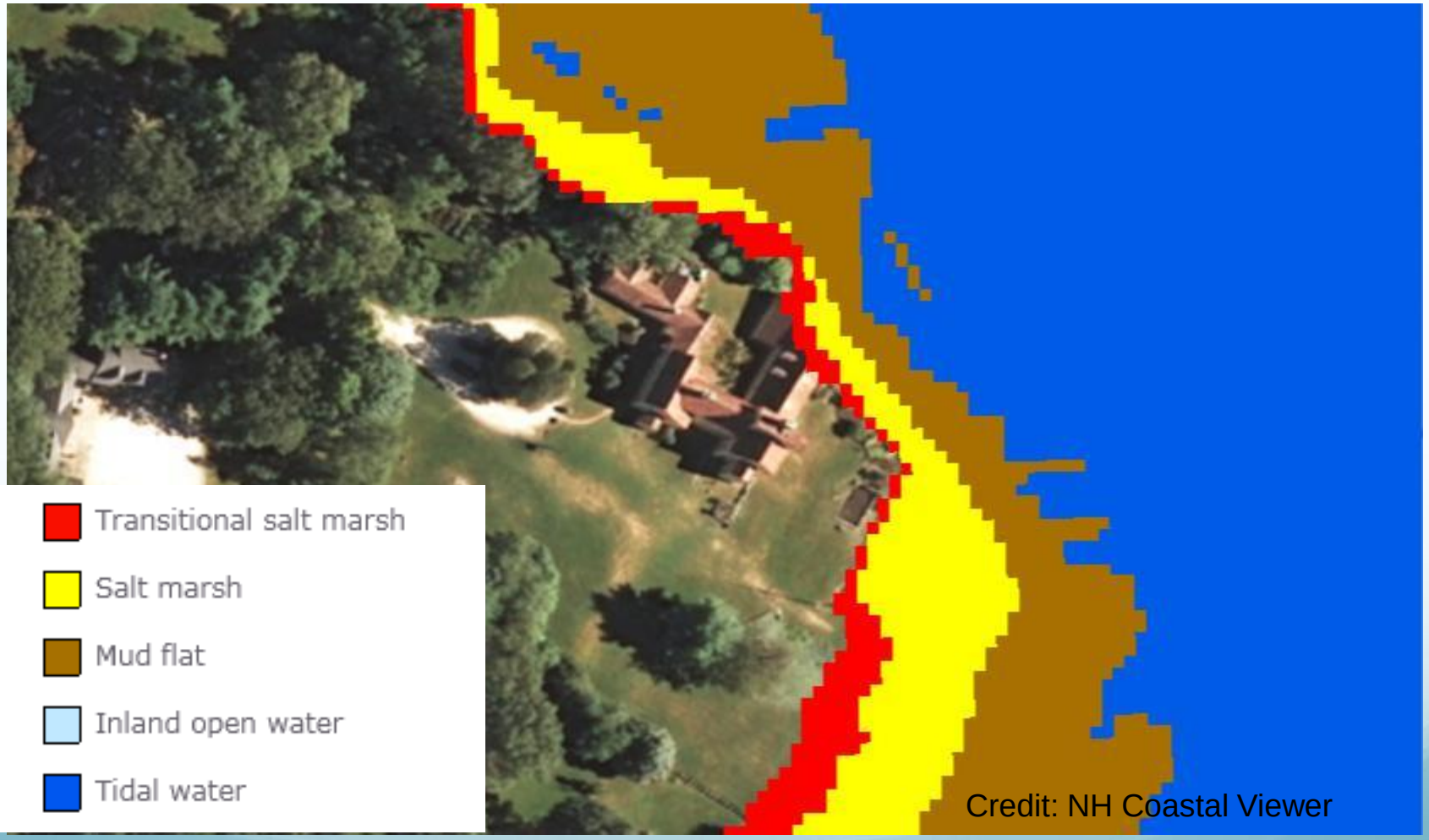


Thinking About Solutions…and Tradeoffs



SLAMM results for 2025, based on a projected sea level rise of 4’ by 2100

Thinking About Solutions…and Tradeoffs



SLAMM results for 2100, based on a projected sea level rise of 4’ by 2100

Now for the Experts!

- For more info on past and future workshops, and shoreline management resources visit:
  - NHCAW.org
- Tonight's presenters
  - David Luchsinger
    US National Parks Service (retired)
  - Edna Feighner and Mary Kate Ryan
    NH Division of Historical Resources
- Please fill out evaluations!