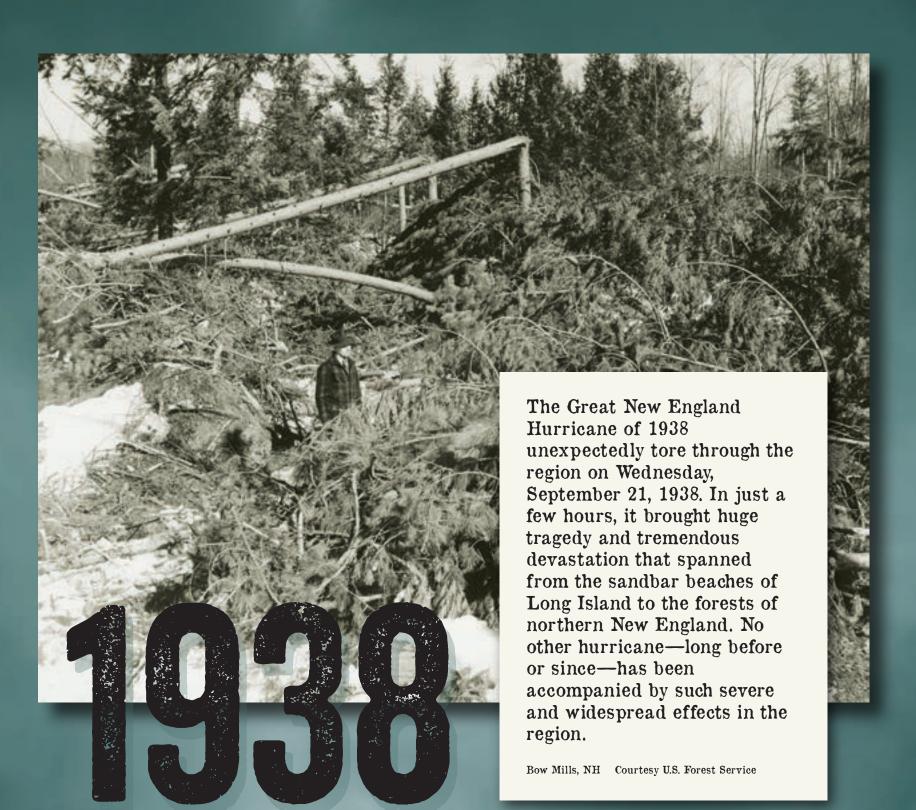


EFFECTS OF THE 1938 HURRICANE IN NORTHERN NEW ENGLAND



THE GREAT NEW ENGLAND HURRICANE

Hundreds died in Long Island and in southern New England. The majority of the casualties were in Rhode Island. Entire coastal communities were wiped out. Crops were lost. Roads, railroads, and bridges were washed out. Rivers flooded. Numerous landslides occurred in the White Mountains. An unprecedented number of trees went down. Forests were decimated. The destructive effects were many.



Damage done on Main Street by the fire which followed flood and hurricane.

Peterborough, NH

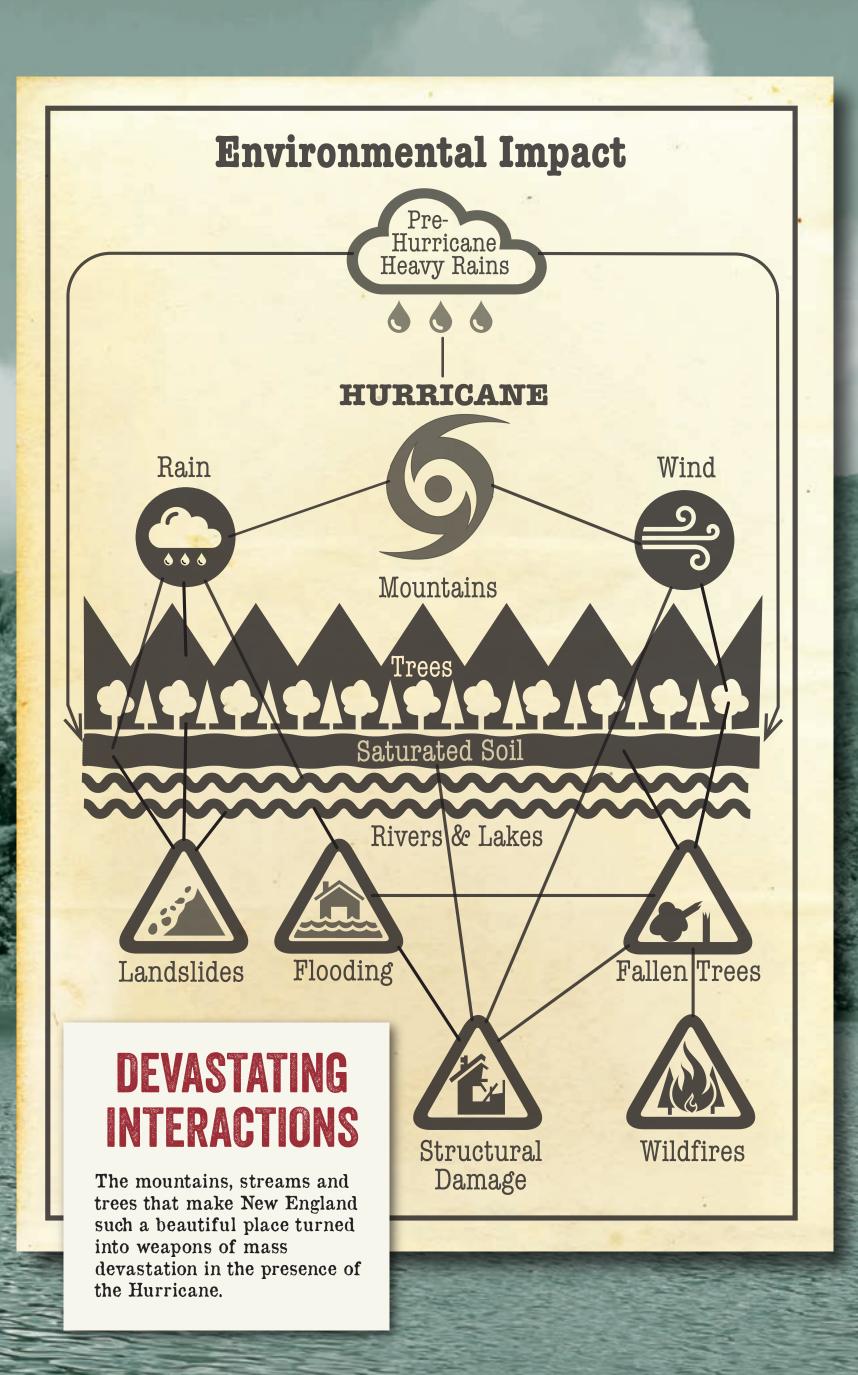
Courtesy National Archives and Records Administration

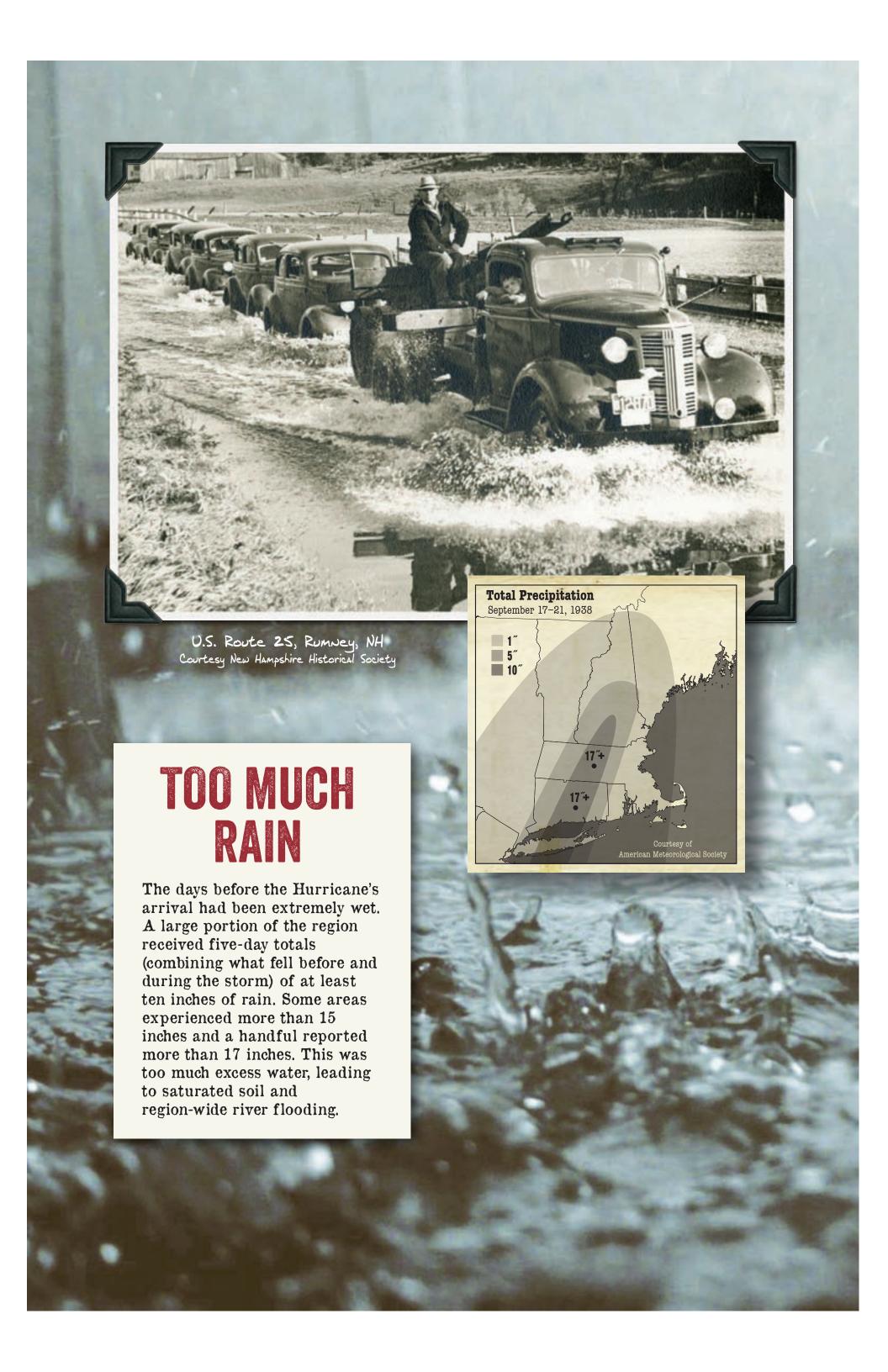


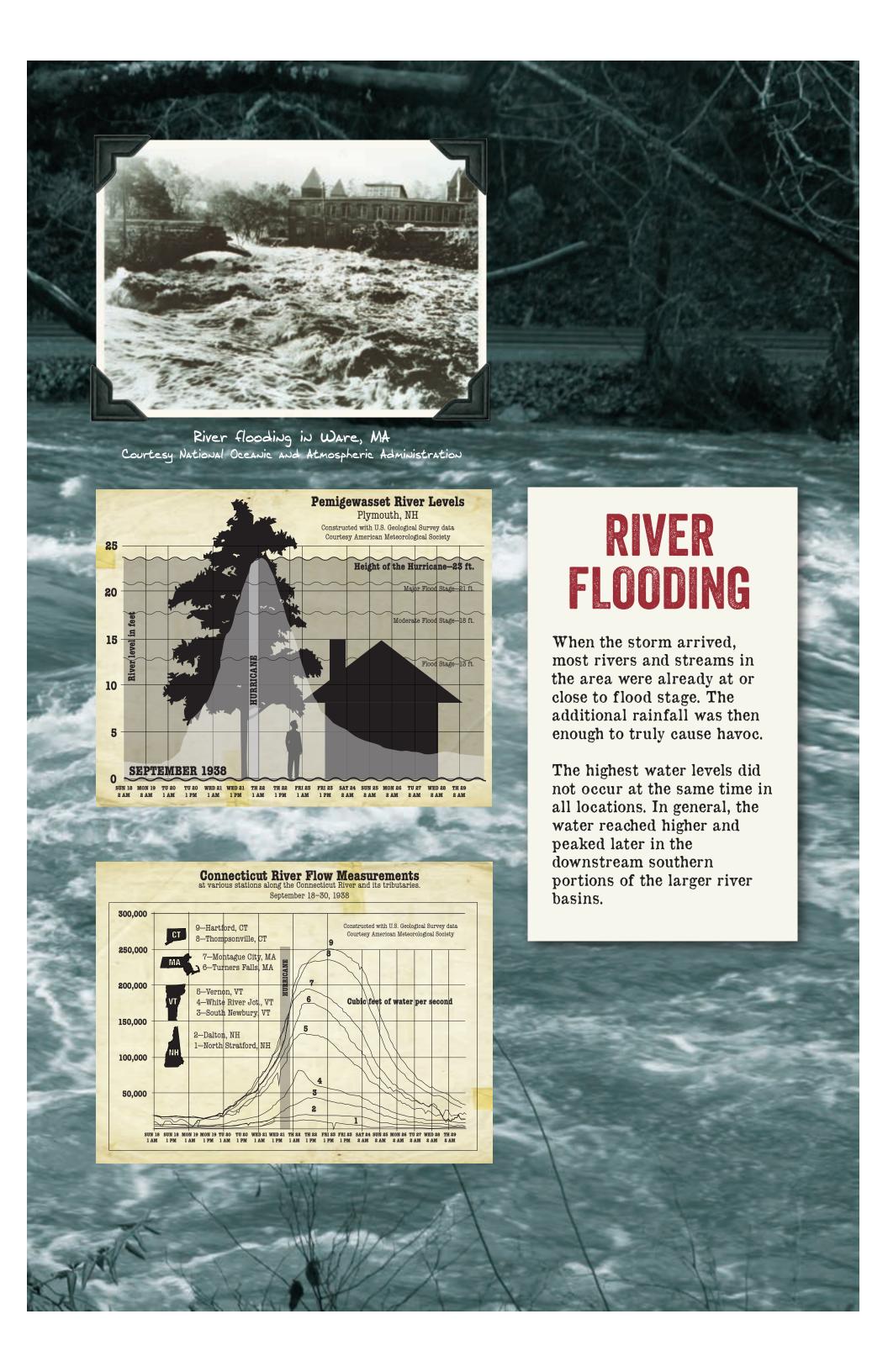
Main Street, Woods Hole, MA

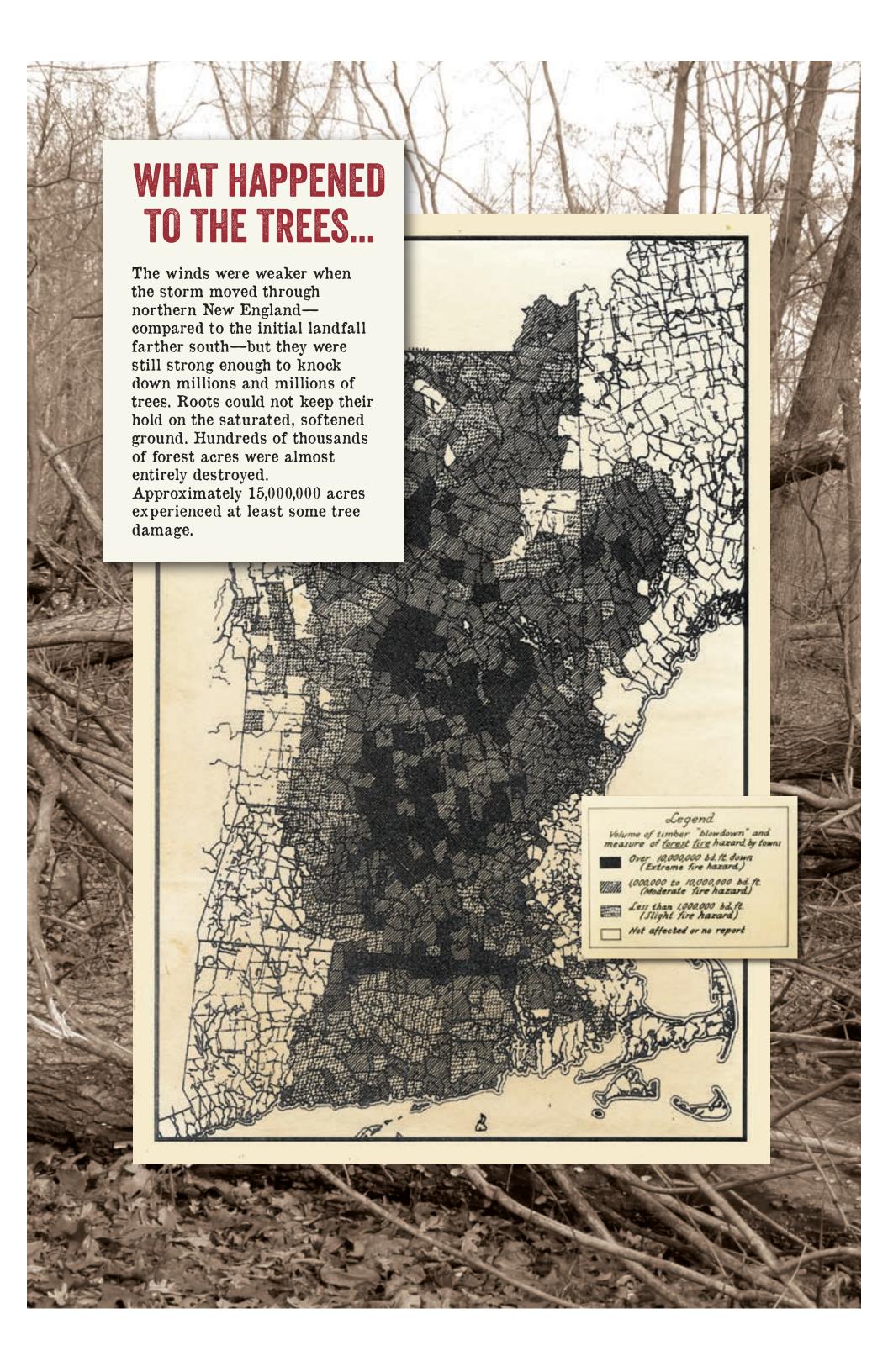














After the 1938 Hurricane, the United States Forest Service coordinated a massive and complicated operation to recover as much usable wood from the fallen trees as possible. The purpose was to help land owners avoid certain economic catastrophe. The logging and sawing scenes during the first few years were reminiscent of decimating timbering operations in the late 1800s and early 1900s—except this was a response to a natural disaster.

Forest Service log stamping in Sunapee, NH

Courtesy U.S. Forest Service



Courtesy U.S. Forest Service





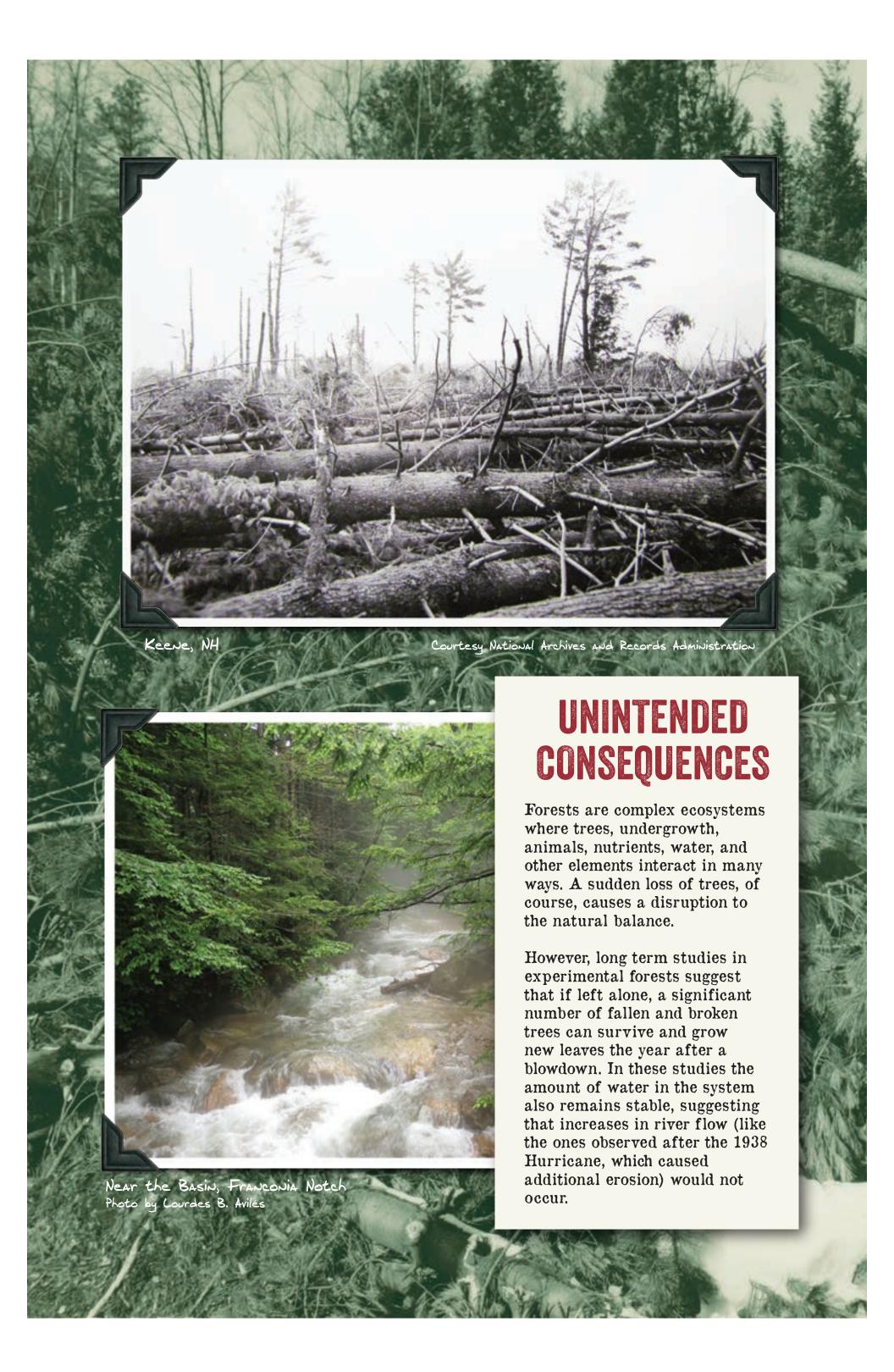
FIRE HAZARD

The tangled mass of fallen trees and brush created an unprecedented danger for the region. Wildfires could easily spread and threaten human lives and communities. Controlling them would be difficult, since fire watchtowers had also gone down and roads were blocked by trees and landslides. It was necessary, therefore, to restore fire-fighting capacity and clean up the most vulnerable areas as soon as possible. While recovering the value of the wood was important, reducing the fire threat was the most urgent concern of the Forest Service.



Brush burning by Civilian Conservation Corps troops, who were mobilized by the Forest Service.

Courtesy U.S. Forest Service





Hurricane Irene caused damage from the Carolinas northward along the coast. Following a similar track to the 1938 Hurricane, it arrived onto an already wet northern New England with the lesser strength of a tropical storm. Still, several areas experienced devastating flooding and erosion, especially in Vermont. It is important to understand, however, that disastrous as they were, the overall effects due to Irene pale in comparison to what happened in 1938.



Route 175 (Exit 25 off Interstate 93) Plymouth, NH Pemigewassett River Flooding, (August 29, 2011) Photo by Phillip Haskell

Satellite Image of Hurricane Irene
NASA image courtesy Jeff Schmaltz, MODIS Rapid Response, NASA Goddard Space Flight Center



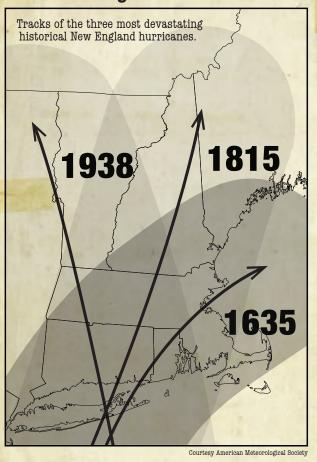
Main Street, Plymouth, NH

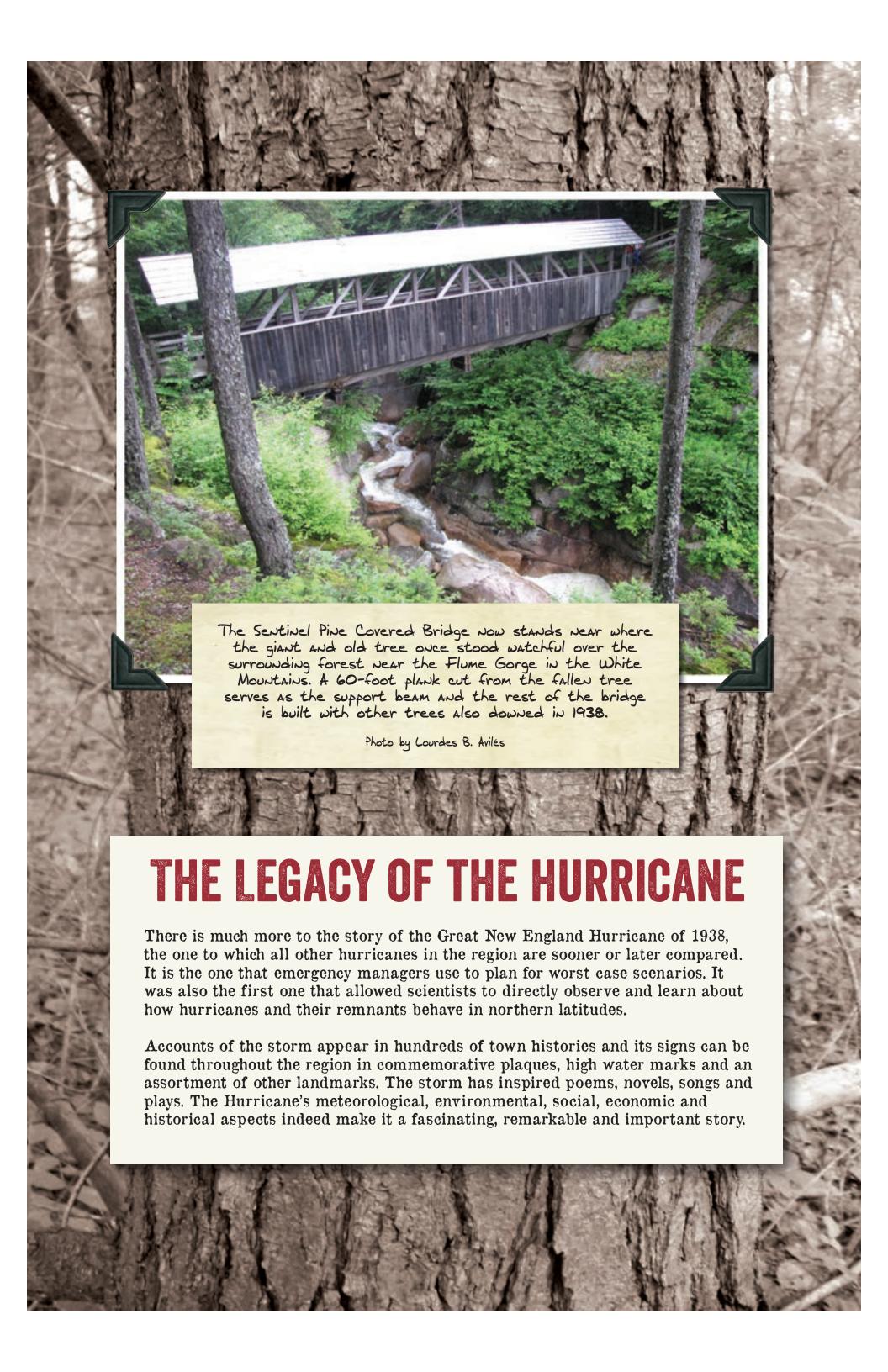
Courtesy Plymouth Historical Society

CAN IT HAPPEN AGAIN?

The combination of meteorological and environmental conditions needed for a storm like the Great Hurricane to devastate New England is a rare occurrence. There are only two in the historical records that have caused as much damage: the Great Colonial Hurricane of 1635 and the Great Gale of 1815. Geological studies have also identified signs of three other such storms occurring before colonial times, for a total of six during the past thousand years. This means that a storm like the 1938 Hurricane, although improbable on a year-to-year basis, will happen again. It is impossible, however, to know exactly when.

Devastating New England Hurricanes





BLOWDOWN

EFFECTS OF THE 1938 HURRICANE IN NORTHERN NEW ENGLAND

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Eric G. Hoffman
Sarah Jordan
Samuel P. Lillo
Erika Moore
Marsi Wisniewski

FOR MORE INFORMATION...

about the topics in this exhibition please see

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