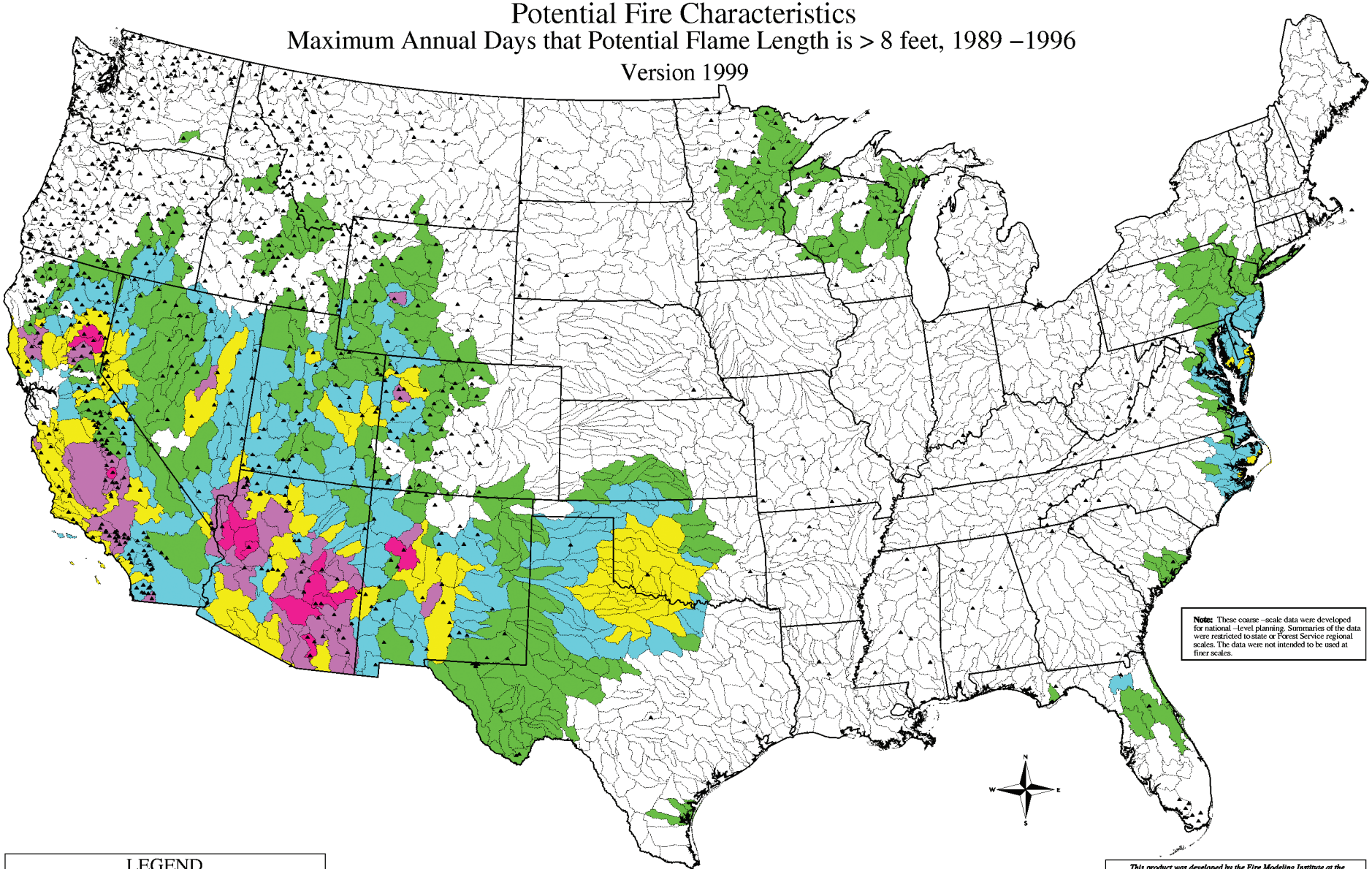
Potential Fire Characteristics

Maximum Annual Days that Potential Flame Length is > 8 feet, 1989 –1996

Version 1999



Note: These coarse –scale data were developed for national –level planning. Summaries of the data were restricted to state or Forest Service regional scales. The data were not intended to be used at finer scales.

N
W E
S

LEGEND

Number of Days
- 0
- 1 –7
- 8 –23
- 24 –46
- 47 –78
- 70 –139

State Boundary

4th Code Hydrologic Unit

NFDRS Weather Station

Map Date: March 23, 2001
Map Name: burnindex1999

When flame lengths exceed eight feet, fires present serious control problems such as torching out, crowning, and spotting. Control efforts at the head of the fire are mostly ineffective and major runs can occur in more extreme cases.

The maximum annual number of days where potential flame lengths exceeded eight feet was calculated for 4th-code hydrologic units (HUCs) using indices acquired from the existing National Fire Danger Rating System (NFDRS) weather observation network and primary fuel model assignments. Potential flame lengths were derived from one hundred-eighty days of NFDRS burning index (BI) data, April –September, for each of eight years, 1989 –1996.

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