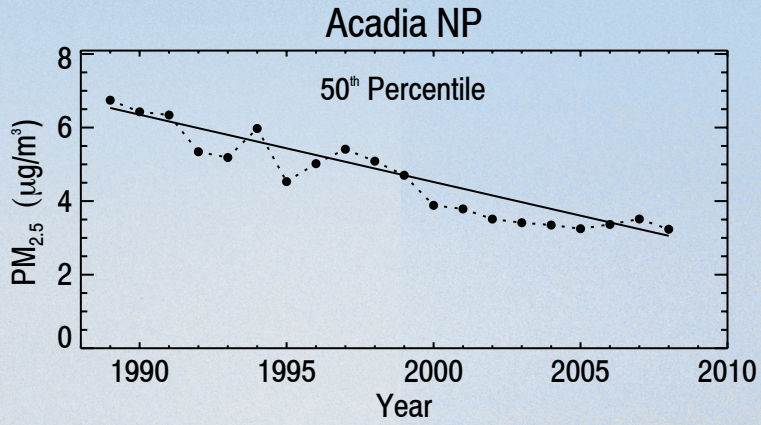
IMPROVE

Interagency Monitoring of Protected Visual Environments

Spatial and Seasonal Patterns and Temporal Variability of Haze and its Constituents in the United States



Report V

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CIRA
Cooperative Institute for Research in the Atmosphere

Colorado State University

In celebration of the IMPROVE network's 25th anniversary, we dedicate this report to all of the hard working operators, technicians, and scientists who have contributed to the success of the IMPROVE network over the years.

Description of the cover:
The front cover displays a split screen of two images from Acadia National Park that represent visibility levels corresponding to the 50th percentile, $PM_{2.5}$ fine mass aerosol concentrations in 1989 (left) compared to those in 2008 (right). A noticeable improvement in visibility levels occurred due to the decrease in aerosol concentrations over the 20-year span. We used the WinHaze 2.9.9 computer software program (Air Resource Specialists, 2011), a powerful tool for visualizing the impact of aerosol trends on visibility conditions.

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Disclaimer
The assumptions, findings, conclusions, judgments, and views presented herein are those of the authors and should not be interpreted as necessarily representing the National Park Service or National Oceanic and Atmospheric Administration policies.

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http://vista.cira.colostate.edu/improve/Publications/improve_reports.htm or on cd by request.

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