



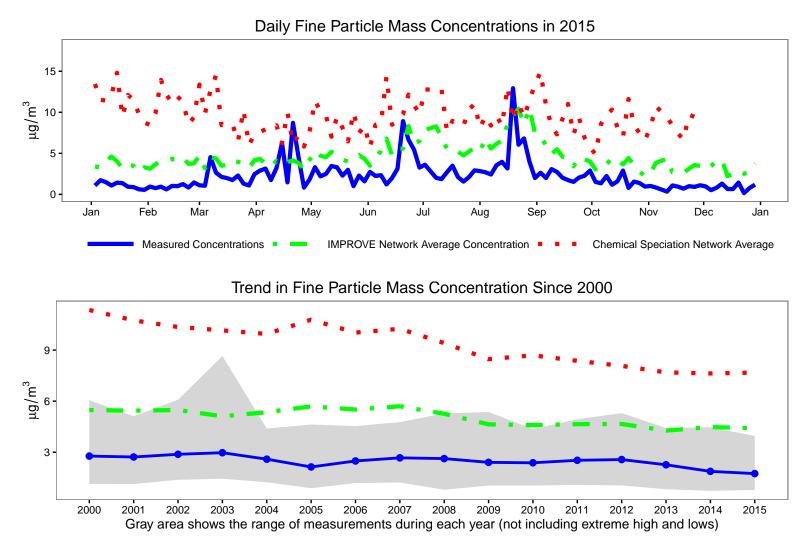
Mesa Verde (MEVE) 2015 Site Report

The Interagency Monitoring of Protected Visual Environments (IMPROVE) is a long-term air pollution measurement program designed to document and track visibility in protected areas. IMPROVE samples and analyzes the haze particles that impair visibility so their sources can be identified and addressed.

Percent of Samples from MEVE Successfully Collected and Analyzed Per Year

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
86	88	82	88	98	92	92	92	94	95	94	100	99	92	98	99

In the plots below, mass concentrations measured at Mesa Verde give a sense of the seasonal trends of air quality in the area as well as show significant air quality events such as wildfires and dust storms. These are plotted alongside the average measurements across the IMPROVE network as well as its related Chemical Speciation Network (CSN). The CSN sites are located in urban areas where the populations are highest. In general, lower concentrations would suggest better visibility.



More Information

To view and download IMPROVE data, you can visit: www3.epa.gov/airquality/airdata/ The Univ. of California, Davis website with information about current research and publications: airquality.crocker.ucdavis.edu The Colorado State Univ. website with data resources, literature, and visibility overviews: vista.cira.colostate.edu/improve/ The EPA website with guidance documents and background information: www3.epa.gov/ttnamti1/visdata.html Real-time air monitoring data for the United States: www.airnow.gov

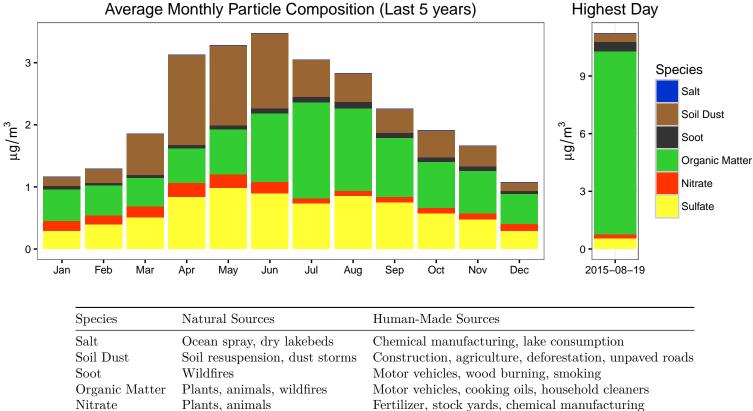


Sulfate

Volcanism



The following plots summarize the chemical composition of particles collected at this site on a monthly average (left) and for the day with the highest measured mass during 2015 (right).



est measured mass during 2015 (right).

The following map shows the average mass concentrations for both IMPROVE and the urban Chemical Speciation Network (CSN) sites in the region. The symbols indicate which network the sites are associated with. The color bar indicates the average annual mass concentration (micrograms per cubic meter) measured at each site in 2015.

Coal-fired power plants, chemical manufacturing

