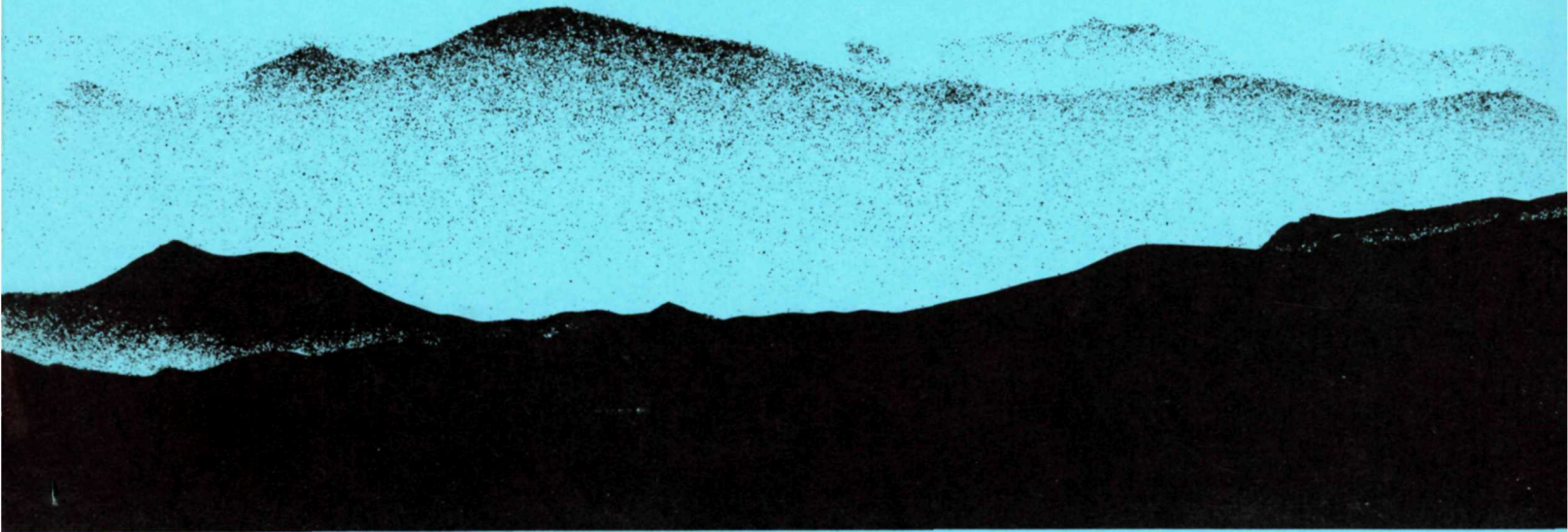


Status of Air Quality and Effects of Atmospheric Pollutants on Ecosystems in the Pacific Northwest Region of the National Park Service

Technical Report NPS/NRAQD/NRTR-94/160



United States Department of the Interior · National Park Service



The National Park Service, Air Quality Division, is responsible for preserving, protecting, and enhancing air quality and "air quality related values" in the National Park System by ensuring compliance with the requirements of the Clean Air Act and the National Park Service Organic Act. Air quality related values include visibility, flora, fauna, cultural and historical resources, soil, water quality, and virtually all resources that are dependent upon and affected by air quality. The Air Quality Division monitors air quality; reviews proposed major emitting sources, air quality legislative and regulatory proposals, and NPS and other federal or state air quality plans; develops data on sensitive park resources; and develops meteorology and atmospheric dispersion modeling.

The National Park Service disseminates the results of biological, physical, and social science research and monitoring through the Natural Resources Technical Report Series. Natural resources inventories and monitoring activities, scientific literature reviews, bibliographies, and proceedings of technical workshops and conferences are also disseminated through this series. This document was peer-reviewed by internal and external reviewers.

Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the National Park Service.

Copies are available from the following:

Air Quality Division
National Park Service
P.O. Box 25287
Denver, CO 80225-0287

(303) 969-2071

or

Technical Information Center
Denver Service Center
P.O. Box 25287
Denver, CO 80225-0287

(303) 969-2130



Printed on recycled paper

**Status of Air Quality and Effects of
Atmospheric Pollutants on Ecosystems
in the Pacific Northwest Region
of the National Park Service**

November 1994

Joseph M. Eilers
E&S Environmental Chemistry, Inc.
1325 N.W. 9th Street
Corvallis, Oregon 97339

Dr. Catherine L. Rose
USDA - Forest Service
Pacific Northwest Research Station
1027 N.W. Trenton Avenue
Bend, Oregon 97701

Dr. Timothy J. Sullivan
E&S Environmental Chemistry, Inc.
1325 N.W. 9th Street
Corvallis, Oregon 97339

Technical Report NPS/NRAQD/NRTR-94/160

United States Department of the Interior
National Park Service
Denver, Colorado