

CONTENTS**Features****67****Viewpoint: A Canadian perspective on acid deposition**

J. Blair Seaborn calls for international cooperation to deal with a growing threat to North American natural resources

68**A policy option for targeting soil conservation expenditures**

Clayton W. Ogg, James D. Johnson, and Kenneth C. Clayton propose a soil conservation plan that addresses critical erosion problems and farm commodity price variability

73**Weed control versus soil erosion control**

Bobby G. Brock explores the conflict and complementarity between weed control and erosion control practices

77**Grazing management on rangelands**

Carlton H. Herbel presents current principles and practices for improving rangeland productivity

80**Stream improvement: The Chicod Creek episode**

Albert Coffey reviews the constructive aspects of a landmark watershed project controversy

83**Wetlands and deepwater habitats: A new classification**

Lewis M. Cowardin describes the features of a new wetland classification developed for multidisciplinary use

86**Liming fish ponds**

Claude E. Boyd explains the management procedures for improving fish production by liming

89**Commentary: Soil loss: A question of values**

Ken Cook examines the political and scientific issues surrounding the establishment of soil loss tolerances

Departments**66****Pen points****93****In the news****97****Upcoming****98****Books, etc.****Research reports****101****Use of sequential aerial photographs to detect and monitor soil management changes affecting cropland erosion**

P. R. Stephens, J. L. Daigle, and J. Cihlar

105**Energy efficiency of tillage systems**

William J. Chancellor

109**Short-term and long-term implications of soil loss control on U.S. agriculture**

Earl O. Heady and David R. Daines, Jr.

113**Modeling sediment yields from agricultural watersheds**

D. B. Beasley, L. F. Huggins, and E. J. Monke

117**Using the ANSWERS model to estimate sediment yields on construction sites**

T. A. Dillaha III, D. B. Beasley, and L. F. Huggins

120**Potential sediment production within vegetative communities in Oregon's Blue Mountains**

John C. Buckhouse and Ronald E. Gaither

122**Canoeists' perceptions of problem behaviors on Virginia rivers**

Joseph W. Roggenbuck, Alan C. Smith, and J. Douglas Wellman

126**Slash burning effects on soil and water chemistry in southeastern Alaska**

John D. Stednick, Larry N. Tripp, and Robert J. McDonald

Cover

An industrial smoke plume typical of the kind of emissions that contribute to acid precipitation, the subject of this issue's "Viewpoint" (page 67) and an upcoming SCSA symposium (page 94). Environment Canada photo by F. H. Fanaki.