

Table of Contents

A SECTION

READERS' FORUM

- 5A Consider impact of resource *use* and *timing* on sustainability**
Peter E. Black

EDITOR'S DESK

- 6A Perpetually "giving life" to conservation**
Mark Anderson-Wilk

VIEWPOINT

- 7A Grain scarcity: A new era for conservation policies and programs**
Ted L. Napier

- 11A Emerging global trends provide new opportunities in soil and water conservation**
Julian Dumanski

IDEAS & INNOVATIONS

- 15A Innovative operational seasonal water supply forecasting technologies**
Tom R. Perkins, Thomas C. Pagano, and David C. Garen

- 18A Publications for evaluations: The impact of soil science and soil scientists**
Alfred E. Hartemink

FEATURES

- 20A Ten tenets of sustainable soil management**
Rattan Lal

- 22A Cash or credit? Tax credits and conservation outcomes**
Cynthia Nickerson, Roger Claassen, Ron Durst, LeRoy Hansen, and Daniel Hellerstein

- 27A What is the carbon market: Is there a final answer?**
Jeffery R. Williams, Siân Mooney, and Jeffrey M. Peterson

- 36A Counting carbon on the farm: Reaping the benefits of carbon offset programs**
Keith Paustian, John Brenner, Mark Easter, Kendrick Killian, Stephen Ogle, Carolyn Olson, Jill Schuler, Roel Vining, and Steve Williams

- 41A Coasts under stress: The impact of social and environmental restructuring on human and ecological health in Canada**
Rosemary E. Ommer

- 44A Managing soils in Sub-Saharan Africa: Challenges and opportunities for soil and water conservation**
Moses Makooma Tenywa and Mateete Bekunda



Canada's coasts have experienced significant social and environmental changes, including rising unemployment and increasingly stressed fisheries.



On the Cover

Water is the source of most of the mink's food supply. Photo by Stan Buman, Fenceline Photos.



Printed on 100% post-consumer waste recycled paper with vegetable-based inks.

Copyright © 2009 Soil and Water Conservation Society. All rights reserved. Journal of Soil and Water Conservation 64(1):6A-88 www.swcs.org

RESEARCH SECTION

- 1** **Agriculture and water quality trading: Exploring the possibilities**
M.O. Ribaldo and C.J. Nickerson
- 7** **An economic analysis of the Waffle**
E.A. DeVuyst, D.A. Bangsund, and F.L. Leistritz
- 17** **Soil and Water Assessment Tool evaluation of soil and land use geographic information system data sets on simulated stream flow**
G.C. Heathman, M. Larose, and J.C. Ascough II
- 33** **Livestock exclusion influences on riparian vegetation, channel morphology, and benthic macroinvertebrate assemblages**
S.C. Ranganath, W.C. Hession, and T.M. Wynn
- 43** **Comparison of runoff, soil erosion, and winter wheat yields from no-till and inversion tillage production systems in northeastern Oregon**
J.D. Williams, H.T. Gollany, M.C. Siemens, S.B. Wuest, and D.S. Long
- 53** **Comparison of conventional and no-tillage corn and soybean production on runoff and erosion in the southeastern US Piedmont**
C.W. Raczkowski, M.R. Reyes, G.B. Reddy, W.J. Busscher, and P.J. Bauer
- 61** **Reduced tillage systems as economical dust mitigation strategies**
A.M. Kennedy and P.N. Wilson
- 70** **Effects of topsoil depth and soil amendments on corn yield and properties of two Alfisols in central Ohio**
S. Jagadamma, R. Lal, and B.K. Rimal
- 81** **Performance of compost filter socks and conventional sediment control barriers used for perimeter control on construction sites**
L.B. Faucette, J. Governo, R. Tyler, G. Gigley, C.F. Jordan, and B.G. Lockaby

JOURNAL OF SOIL AND WATER
CONSERVATION

o n l i n e

ANNOUNCEMENT

The *Journal of Soil and Water Conservation* has launched online.

AUTHORS

Please submit manuscripts using the new online manuscript review system.

MORE INFORMATION

Go to www.jswconline.org