JOURNAL OF SOIL AND WATER CONSERVATION



12A

12A **FIVE LOW-COST METHODS FOR SLOWING STREAMBANK EROSION**

How-to use streambank stabilization to reduce flooding, improve water quality, and prevent sedimentation.

By Christina Johnson

NEW PROPOSED NATIONAL 16A **RESOURCES INVENTORY PROTOCOLS** ON NONFEDERAL RANGELANDS

New protocols give the Nation a quantitative foundation for assessing rangeland. By Kenneth E. Spaeth, Fred B. Pierson, Jeff E. Herrick, Patrick L. Shaver, David A. Pyke, Mike Pellant, Dennis Thompson, and Bob Dayton

DEPARTMENTS

4A **HOME FRONT**

> A Viewpoint from the Soil and Water Conservation Society **Executive Director**

RAISE YOUR VOICE 6A

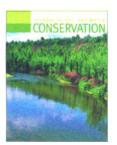
Letters to the Editor

NOTEBOOK 8A

Conservation News You Can Use

CONSERVOGRAM 20A

The Soil and Water Conservation Society in Action



On the Cover Example of planting willow posts as a lowcost option to slow streambank erosion.



RESEARCH

- 1 SEDIMENT AND NUTRIENT REMOVAL IN AN ESTABLISHED MULTI-SPECIES RIPARIAN BUFFER K.H. Lee. T.M. Isenhart, and R.C. Schultz
- 8 A CASE STUDY OF RIVER TEMPERATURE RESPONSE TO AGRICULTURAL LAND USE AND ENVIRONMENTAL THERMAL PATTERNS

M.M. Borman and L.L. Larson

- 13 MANAGEMENT EFFECTS ON EROSION OF CIVIL WAR MILITARY EARTHWORKS W.M. Aust, A. Azola, and J.E. Johnson
- 21 THE FEASIBILITY OF RESTORING PREVIOUSLY DRAINED WETLANDS TO REDUCE FLOOD DAMAGE S.D. Shultz and J.A. Leitch
- 30 LAND APPLICATION OF MANURE BY ANIMAL FEEDING OPERATIONS: IS MORE LAND NEEDED?
 M.O. Ribaudo, N.R. Gollehon, and J. Agapoff
- 39 EARTHWORM (LUMBRICIDAE) SURVEY OF NORTH DAKOTA FIELDS PLACED IN THE U.S. CONSERVATION RESERVE PROGRAM

E.J. Deibert and R.A. Utter

- 45 APPLYING A GIS SLOPE-STABILITY MODEL TO SITE-SPECIFIC LANDSLIDE PREVENTION IN HONDURAS
 B.F. Zaitchik and H.M. van Es
- 53 EXAMINING THE TARGETING OF CONSERVATION TILLAGE PRACTICES TO STEEP VS. FLAT LANDSCAPES IN THE MINNESOTA RIVER BASIN

P.H. Gowda, D.J. Mulla, and B.J. Dalzell

- 58 STATISTICAL ASSESSMENT OF A PAIRED-SITE APPROACH FOR VERIFICATION OF CARBON AND NITROGEN SEQUESTRATION ON WISCONSIN CONSERVATION RESERVE PROGRAM LAND
 C.J. Kucharik, J.A. Roth, and R.T. Nabielski
- 67 COPPER RETENTION FROM RUNOFF BY SWITCHGRASS AND TALL FESCUE FILTER STRIPS
 J. Wu, W. Mersie, A. Atalay, and C.A. Seybold