

# **Ecological Modeling for Resource Management**

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Virginia H. Dale  
Editor

# Ecological Modeling for Resource Management

With 50 Illustrations



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*Editor*

Virginia H. Dale  
Environmental Sciences Division  
Oak Ridge National Laboratory  
P.O. Box 2008  
Oak Ridge, TN 37831-6036  
USA  
dalevh@ornl.gov

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Participants at the workshop on “Effective Use of Ecological Modeling in Management” held in Oak Ridge, Tennessee on October 23–26, 2000, at which this book was developed.

# Preface

This book was developed from a workshop on the “Effective Use of Ecological Modeling in Management,” held in Oak Ridge, Tennessee, on October 23–26, 2000. The workshop was sponsored by the Department of Defense’s (DoD’s) Strategic Environmental Research and Development Program (SERDP), the Army Research Office, and the Engineering Research and Development Center of the Corps of Engineers as well as by the U.S. Department of Agriculture (USDA) Forest Service. It was hosted by the Department of Energy’s (DOE’s) Oak Ridge National Laboratory (ORNL). The organizing committee for the workshop included senior scientists from ORNL, the USDA Forest Service, and the U.S. Army Corps of Engineers (ACE). The members of the steering committee were John Barko, Paul Bradford, Bill Goran, Jeff Holland, Russell Harmon, and Mike Vasievich. They helped guide the workshop to a useful product by suggesting topics, speakers, and participants. Workshop attendees included senior ecological modelers within the Forest Service, DoD, other federal and state agencies, universities, and the private sector together with ecological-resource managers in the Forest Service, DoD, and other government and nongovernment agencies and organizations.

The book never could have come to fruition without the dedicated efforts of Fred O’Hara in editing each of the chapters and making sure that the text was complete and accurate and that standard methods of expression and design were used in the text, references, tables, and figures. His careful attention to the details and to effective communication is appreciated.

Many people helped in bringing the book to completion. Chapter authors not only contributed the bulk of the work but also assisted by reviewing manuscripts of their colleagues. In addition, chapters were reviewed by John Barko, Mark Bevelhimer, Chuck Coutant, Robert Gardner, Russell Harmon, Robert Holst, Tony King, and Robert Melton. I appreciate the support of the Environmental Sciences Division at Oak Ridge National Laboratory and, especially, of my husband and children.

VIRGINIA H. DALE  
Oak Ridge, Tennessee

August 2002

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# Contributors

## **Editor**

*Virginia H. Dale*

Environmental Sciences Division, Oak Ridge National Laboratory,  
P.O. Box 2008, Oak Ridge, TN 37831-6036, Phone: 865-576-8043,  
Fax: 865-576-8543, Email: dalevh@ornl.gov

## **Chapter authors**

*H. Resit Akçakaya*

Applied Biomathematics, 100 North Country Road, Setauket, NY 11733,  
Phone: 631-751-4350, Fax: 631-751-3435, Email: resit@ramas.com

*Tom Ashwood*

Environmental Sciences Division, Oak Ridge National Laboratory,  
P.O. Box 2008, Oak Ridge, TN 37831-6036, Phone: 865-574-7542,  
Fax: 865-576-8543, Email: tla@ornl.gov

*Steven M. Bartell*

The Cadmus Group, Inc., 78A Mitchell Road, Oak Ridge, TN 37830,  
Phone: 865-425-0401, Fax: 865-425-0482, Email: smbartell@aol.com

*Cory W. Berish*

U.S. EPA Region 4, 61 Forsyth Street, Atlanta, GA 30303,  
Phone: 404-562-8276, Email: Berish.Cory@epamail.epa.gov

*Jim Berkson*

Department of Fisheries and Wildlife Sciences, Virginia Polytechnic  
Institute and State University, Blacksburg, VA 24061-0321,  
Phone: 540-231-5910, Fax: 540-231-7580, Email: jberkson@vt.edu

*Jean Fitts Cochrane*

U.S. Fish and Wildlife Service, P.O. Box 668, Grand Marais, MN 55604,  
Phone: 218-387-1307 Fax: 218 387-2790, Email: jean\_cochrane@fws.gov

*Robert Costanza*

Gund Institute for Ecological Economics, University of Vermont, 590 Main  
St., Burlington VT 05405-1798, Phone: 802-656-2906, Fax: 802-656-8683,  
Email: rcostanz@zoo.uvm.edu

*John H. Gentile*

Harwell Gentile & Associates, LC, 98 Moss Lane, Brewster, MA 02631,  
Phone: 508-241-7288, E-mail: jgentile@EcologicalRisk.com

*Lev Ginzburg*

Applied Biomathematics, 100 North Country Road, Setauket, NY 11733,  
Phone: 631-751-4350, Fax: 631-751-3435, Email: lev@ramas.com

*Louis Gross*

The University of Tennessee, 569 Dabney Hall, Circle Drive, Knoxville,  
TN 37996-1610, Phone: 865-974-4295, Fax: 865-974-3067, Email:  
gross@tiem.utk.edu

*Eric Gustafson*

USDA Forest Service, North Central Research Station, Forestry Sciences  
Laboratory, 5985 Highway K, Rhinelander, WI 54501, Phone: 715-362-1152,  
Fax: 715-362-1166, Email: egustafson@fs.fed.us

*Robert G. Haight*

USDA Forest Service North Central Research Station, 1992 Folwell  
Avenue, St. Paul, MN 55108, Phone: 651-649-5178, Email: rhaight@fs.fed.us

*Thomas G. Hallam*

The University of Tennessee, Department of Ecology and Evolutionary  
Biology, 569 Dabney Hall, Knoxville, TN 37996, Phone: 865-974-3065  
(EEB office), 865-974-4293 (my office), Fax: 865-974-3067, Email:  
hallam@tiem.utk.edu

*Mark A. Harwell*

Florida A&M University, Environmental Sciences Institute, Tal-  
lahassee, FL 32307-6600, Phone: 850-561-2760, Fax: 850-412-7679, Email:  
mharwell@EcologicalRisk.com

*Noble Hendrix*

School of Aquatic and Fisheries Science, University of Washington,  
Box 355020, Seattle, WA 98195, Phone: 206-221-5456, Email:  
anoble@u.washington.edu

*Steve Hodapp*

U.S. Army Corps of Engineers, Construction Engineering Research Lab,  
P.O. Box 9005, Champaign, IL 61826-9005, Phone: 217-373-7228,  
Fax: 217-373-7266, Email: s-hodapp@cecer.army.mil

*David Hohler*

USDA Forest Service, Ecosystem Management Coordination, Siuslaw  
National Forest, 4077 S.W. Research Way, P.O. Box 1148, Corvallis, OR  
97339, Phone: 541-750-7018, Email: dhohler@fs.fed.us

*Jeffery P. Holland*

U.S. Army Corps of Engineers, U.S. Army Engineer Research and  
Development Center, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199,  
Phone: 601-634-2644, Fax: 601-634-3193, Email: hollanj@wes.army.mil

*John Kadvany*

Policy and Decision Science, 1070 College Ave., Menlo Park, CA 94025,  
Email: kadvany@aol.com

*Timothy H. Keitt*

Department of Ecology and Evolution, State University of New York Stony  
Brook, NY 11794, Email: tkeitt@mail.utexas.edu

*Wendell Chris King*

Head, Department of Geography & Environmental Engineering,  
U.S. Military Academy, West Point, NY 10996, Phone: 845-938-2300,  
Fax: 845-938-3339, Email: chris.king@usma.edu

*Thomas P. Maxwell*

Gund Institute for Ecological Economics, University of Vermont, 590 Main  
St., Burlington, VT 05405-1798, Phone: 802-656-2987, Fax: 802-656-8683,  
Email: tmaxwell@zoo.uvm.edu

*John Nestler*

U.S. Army Research and Development Center, 3909 Halls Ferry Road,  
Vicksburg, MS 39180-6199, Phone: 601-634-3870, Fax: 601-634-3129,  
Email: nestlej@wes.army.mil

*Lisa Mai Olsen*

Environmental Sciences Division, Oak Ridge National Laboratory,  
P.O. Box 2008, Building 1507, MS-6407, Oak Ridge, TN 37831, Phone:  
865-241-5921, Email: olsenlm@ornl.gov

*Karen A. Poiani*

National Landscape Ecologist, The Nature Conservancy, Department of  
Natural Resources, 16 Fernow Hall, Cornell University, Ithaca, NY 14853,  
Phone: 607-255-2834, Fax: 607-255-0349, Email: kap4@cornell.edu or  
kpoiani@tnc.org

*S.T. Purucker*

Environmental Applications Group, Center for Information Studies,  
The University of Tennessee, 804 Volunteer Boulevard, Knoxville,  
TN 37996-1610, Phone: 865-974-9553, Fax: 865-974-4967, Email:  
purucker@utk.edu

*Chris Rewerts*

Engineering Research and Development Center, U.S. Army Construction  
Engineering Research Laboratory, P.O. Box 9005, Champaign,  
IL 61826-9005, Phone: 217-352-6511, ext. 7324, Fax: 217-373-7266,  
Email: chris.c.rewerts@erdc.usace.army.mil

*Keith M. Reynolds*

USDA Forest Service, PNW Research Station, 3200 SW Jefferson Way,  
Corvallis, OR 97331, Phone: 541-750-7434, Fax: 603-853-2951,  
Email: kreynolds@fs.fed.us

*John R. Richardson*

U.S. EPA Region 4, 61 Forsyth Street, Atlanta, GA 30303,  
Phone: 404-562-8290, Fax: 404-562-0269, Email: Richardson.John@epa.gov

*Tania Schoennagel*

Departments of Botany and Zoology, University of Wisconsin-Madison,  
220 Birge Hall, 430 Lincoln Drive, Madison, WI 53706-1381,  
Phone: 608-262-2791, Fax: 608-262-7509, Email: tschoenn@students.wisc.edu

*Anthony M. Starfield*

Department of Ecology, Evolution and Behavior, University of Minnesota,  
1980 Upper Buford Circle, St. Paul, MN 55108, Email: starf001@tc.umn.edu

*Webb Van Winkle*

5163 North Backwater Ave, Boise, ID 83703, Phone: 208-853-0341,  
Email: wvanwinkle@juno.com

*Mike Vasievich*

NRIS-Human Dimensions Module, USDA-Forest Service, 1407 S. Harrison  
Road, East Lansing, MI 48823, Phone: 517-355-7740, ext. 26,  
Fax: 517-355-5121, Email: mvasievich@fs.fed.us, mvasie@msu.edu

*David N. Wear*

USDA Forest Service, Southern Research Station, Forestry Sciences  
Laboratory, 3041 Cornwallis Road, P.O. Box 12254, Research Triangle Park,  
NC 27709, Phone: 919-549-4011, Email: dwear@fs.fed.us

*Christopher J.E. Welsh*

Environmental Applications Group, Center for Information Studies,  
The University of Tennessee, 422 South Stadium Hall, Yale and Philip  
Fulmer Way, Knoxville, TN 37996, Phone: 865-974-1829, Fax: 865-974-4967,  
Email: cwelsh@utk.edu

*Alison Williams*

Department of Fisheries and Wildlife Sciences, Virginia Tech, 100 Cheatham  
Hall, Blacksburg, VA 24060, Phone: 540-231-3329, Fax: 540-231-7580,  
Email: alwilli2@vt.edu

*Daniel Yaussy*

USDA Forest Service, Northeastern Research Station, 359 Main Road,  
Delaware, OH 43015, Phone: 740-368-0101, Fax: 740-368-0152, Email:  
dyaussy@fs.fed.us