Open Letter to President Biden and Members of Congress from Scientists: It is essential to Remove Climate-Harming Logging and Fossil Fuel Provisions from Reconciliation and Infrastructure Bills

November 4, 2021

Dear President Biden and Members of Congress,

As scientists with expertise in ecology, forest management, biodiversity, and climate change, we are writing to urge you to remove from the Budget Reconciliation and Infrastructure provisions that promote logging and fossil fuels because such measures will only make worse the global climate and biodiversity crises. As an initial matter, we note that, even under optimistic expert estimates, the clean energy provisions in these bills are insufficiently bold and would, by themselves, only achieve a fraction of what we would need to reach the Administration’s minimum climate crisis mitigation target of a 50% reduction in annual U.S. greenhouse gas emissions from 2005 levels by 2030.¹ Making matters worse, the bills contain numerous logging provisions that would dramatically increase annual carbon emissions from logging for lumber, forest biomass energy, and wood pellets on public and private forestlands nationwide, which would undermine natural climate solutions and our forests’ carbon storage and sink capacities. The Reconciliation Bill is in jeopardy unless the cost can be reduced. Removing these compromising logging provisions and the subsidies for logging, bioenergy and fossil fuels would help accomplish that goal.

As hundreds of climate and forest scientists warned Congress last year, logging in U.S. forests emits 723 million tons of uncounted CO₂ into our atmosphere each year—more than 10 times the amount emitted by wildfires and tree mortality from insects combined.² Greenhouse gas emissions from logging in U.S. forests are now comparable to the annual CO₂ emissions from U.S. coal burning, and annual emissions from the building sector.³ Most of the carbon in trees removed from forests through logging is emitted almost immediately, as branches and tree tops are burned at biomass energy facilities, and mill residues are burned at the sawmills, typically for energy production⁴—emitting more CO₂ than burning coal, for equal energy produced.⁵ Logging conducted as commercial “thinning,” under the rubric of fire management, emits about three times more CO₂ than wildfire alone.⁶

The Reconciliation Bill currently contains $14 billion in new subsidies for logging on federal public lands—more than double existing levels—as well as billions in new logging subsidies on private forestlands. The Reconciliation Bill further proposes nearly $1 billion in new subsidies for forest biomass energy, wood pellet facilities, and mass timber (cross-laminated timber) under the heading of “wood innovation.” This ignores the advice of hundreds of climate and forest scientists who have previously informed Congress that these industries substantially increase emissions and worsen the climate crisis.⁷

The Infrastructure Bill includes a legislative mandate for 30 million acres of additional logging on federal public lands over the next 15 years, in addition to misdirecting billions of dollars in new subsidies for the fossil fuel industry and an exemption from environmental analysis for new oil and gas pipelines across federal lands. It also includes provisions that would roll back the National Environmental Policy Act by creating new “categorical exclusion” exemptions from
environmental analysis and disclosure of adverse impacts of this logging on our climate and forest biodiversity, while eliminating the public’s right to file administrative objections on logging proposals. Further, the Infrastructure bill includes $400 million for destructive post-fire clearcutting on public lands, and $400 million in new subsidies for forest biomass and wood pellet facilities, which not only harm our climate and forest ecosystems but also disproportionately adversely affect communities of color with increased particulate and toxic pollution. In addition, there are $18 billion in new subsidies in the bill for the forest biomass/pellet and fossil fuel industries to promote carbon capture and storage (CCS) and biomass energy with carbon capture and storage (BECCS), and construction of a massive network of CO₂ pipelines. Hundreds of climate scientists, and conservation and environmental justice organizations, have decried this as a false climate solution that can actually increase net carbon emissions and energy consumption while increasing pollution in communities of color.

In both bills, logging provisions are promoted as wildfire management and climate solutions measures, but commercial logging conducted under the guise of “thinning” and “fuel reduction” typically removes mature, fire-resistant trees that are needed for forest resilience. We have watched as one large wildfire after another has swept through tens of thousands of acres where commercial thinning had previously occurred due to extreme fire weather driven by climate change. Removing trees can alter a forest’s microclimate, and can often increase fire intensity. In contrast, forests protected from logging, and those with high carbon biomass and carbon storage, more often burn at equal or lower intensities when fires do occur.

We urge Congress to move in the opposite direction by shifting from more logging toward natural climate solutions that store carbon in mature and older forests and allow naturally regenerating forests to continue growing for greater carbon accumulation. For example, protecting U.S. federal public forestlands from logging would not only reduce direct carbon emissions but would also increase annual drawdown of atmospheric CO₂ by 84 million tons per year. We do not wish to follow our Canadian neighbors where some of their managed forests have become a source of emissions because they followed many of the proposed policies in these Bills. There is a path toward meeting the vital 2030 climate crisis mitigation goals, but not with the Reconciliation and Infrastructure Bills as currently written.

We need the Administration and Congress to enact policies that will substantially reduce annual greenhouse gas emissions from logging, and from fossil fuels, and increase accumulation of carbon in our forests. The recent IPCC AR6 report released in August makes clear the urgent need to reduce emissions by at least half by 2030 to avoid large increases of devastating heat domes, prolonged droughts, wildfires that can impact communities, intense precipitation events, and catastrophic storms. The logging and fossil fuel subsidies and policies in the Reconciliation and Infrastructure Bills will only intensify the rate and intensity of our changing climate.

**Lead Signatories**

* Affiliations listed for identification purposes only

William R. Moomaw, Ph.D.
Emeritus Professor
The Fletcher School Co-director Global Development and Environment Institute Tufts University
Medford, MA, USA

Chad T. Hanson, Ph.D., Forest Ecologist
Earth Island Institute
Berkeley, CA, USA

Dominick A. DellaSala, Ph.D., Chief Scientist
Wild Heritage, a project of the Earth Island Institute
Talent, OR, USA

James E. Hansen, Ph.D.
Director, Program in Climate Science, Awareness and Solutions
Earth Institute, Columbia University
New York, NY

Pushker A. Kharecha, Ph.D.
Climate Scientist and Deputy Director
Climate Science, Awareness, and Solutions Program
Columbia University Earth Institute, New York, NY

Beverly Law, Ph.D., Professor Emeritus, Global Change Bio. and Terrestrial Systems Science
Department of Forest Ecosystems & Society Oregon State University
Corvallis, OR

William Ripple, Ph.D.
Distinguished Professor of Ecology
Oregon State University, Corvallis, OR

Peter H. Raven, Ph.D.
President Emeritus, Missouri Botanical Garden George Engelmann Professor of Botany
Emeritus, Washington University in St. Louis
St. Louis, MO

Thomas Lovejoy, Ph.D.
Professor, Environmental Science and Policy George Mason University
Fairfax City, VA
Senior Fellow, United Nations Foundation

William H. Schlesinger, Ph.D.
James B. Duke Professor of Biogeochemistry Dean (Em.) the School of the Env.,
Duke Univ. President (Em.), the Cary Inst. of Eco. Studies
Millbrook, NY

William L. Baker, Ph.D.
Emeritus Professor
Program in Ecology
University of Wyoming
Laramie, WY 82071

John Talberth, Ph.D.
Center for Sustainable Economy
Portland, OR

Michael Dorsey, Ph.D., M.F.S., M.A.
M.F.S., Yale University, School of Forestry
M.A., The Johns Hopkins Univ., Anthropology
Ph.D., University of Michigan, School for Environment and Sustainability

Mary S. Booth, Ph.D., Director
Partnership for Policy Integrity
Pelham, MA

Christopher Neil, Ph.D., Senior Scientist
Woodwell Climate Research Center
Falmouth, MA

Wayne S. Walker, Ph.D., Carbon Program Director
Woodwell Climate Research Center
Falmouth, MA

Jennifer Francis, Ph.D., Acting Deputy Director, Senior Scientist
Woodwell Climate Research Center
Falmouth, MA

Susan M. Natali, Ph.D., Arctic Program Director, Senior Scientist
Woodwell Climate Research Center
Falmouth, MA

Marcia N. Macedo, Ph.D., Water Program Director, Associate Scientist
Woodwell Climate Research Center
Falmouth, MA

Derek Lee, Ph.D.
Associate Professor
Penn State University, PA

Monica Bond, Ph.D.
Wild Nature Institute
Concord, NH
Robert L. Beschta, Ph.D.
Professor Emeritus
Forest Ecosystems and Society, Oregon State University
Corvallis, OR 97333

Thomas T. Veblen, Ph.D.
Distinguished Professor, Emeritus
University of Colorado Boulder, CO

Stuart Pimm, Ph.D.
Doris Duke Chair of Conservation Duke University
Durham, NC

Mark E. Harmon, Ph.D., Professor Emeritus
Department of Forest Ecosystems & Society
Oregon State University
Corvallis, OR

Anne H. Ehrlich, Ph.D.
Center for Conservation Biology Stanford University
Palo Alto, CA

Paul R. Ehrlich, Ph.D., Professor Emeritus, Biology Stanford University
President, Center for Conservation Biology
Palo Alto, CA

Steven Green, Ph.D.
Senior Professor Emeritus
University of Miami, Coral Gables, FL

Tonja Chi, M.S., Wildlife Ecologist
Campbell, California

Maya Khosla, M.S.
Wildlife Biologist and Toxicologist
Rohnert Park, CA

Richard W. Halsey, M.A.
California Chaparral Institute

Bryant Baker, M.S., Conservation Director
Los Padres ForestWatch
Santa Barbara, CA

Shaye Wolf, Ph.D.
Climate Science Director
Center for Biological Diversity

Eric Chivian, M.D.
Founder and Former Director, Center for Health and the Global Environment
Harvard Medical School
Boston, Massachusetts

Gregory F. Grether, Ph.D.
Professor of Ecology and Evolutionary Biology
University of California, Los Angeles

Bruce G. Baldwin, Ph.D.
W. L. Jepson Professor & Curator
Department of Integrative Biology and Jepson Herbarium
University of California, Berkeley

John P. O'Brien, Ph.D., Climate Scientist
National Center for Atmospheric Research
Boulder, CO

A. Scott Denning, Ph.D.
Monfort Professor of Atmospheric Science
Colorado State University and
Coleman P. Burke Distinguished Visiting Professor
Yale School of the Environment

Scott Goetz, Ph.D.
Regents Professor of Earth Observation & Ecological Informatics
School of Informatics, Computing and Cyber Systems
Northern Arizona University, Flagstaff AZ
Science Lead, NASA Arctic Boreal Vulnerability Experiment
Deputy PI for Science, NASA Global Ecosystem Dynamics Investigation

John Sterman, Ph.D.
Professor and Director
MIT Systems Dynamics Group
Sloan School of Management
Massachusetts Institute of Technology
Cambridge, MA

Juliette N. Rooney-Varga, Ph.D.
Director, Climate Change Initiative
Professor, Environmental Science
Co-Director, Rist Institute for Sustainability and Energy
Lowell, MA
Lori S. Siegel, Ph.D., P.E.
Senior Modeler
Climate Interactive

Cathy Whitlock, Ph.D.
Regents Professor Emerita of Earth Sciences
Fellow of the Montana Institute on Ecosystems
Montana State University
Bozeman, MT

James N. Galloway, Ph.D.
Sidman P. Poole Professor, Environmental Sciences
University of Virginia
Charlottesville, Virginia

Meg Lowman, Ph.D.
National Geographic Explorer
Director, TREE Foundation

Colden V. Baxter, Ph.D.
Professor, Stream Ecology Center, Department of Biological Sciences
Director, Center for Ecological Research & Education
Idaho State University
Pocatello, Idaho

Janet Franklin, Ph.D., Distinguished Professor
Department of Botany and Plant Sciences
University of California - Riverside
Riverside, CA

Diana L. Six, Ph.D., FRES
Professor of Forest Entomology/Pathology
WA Franke College of Forestry and Conservation
Dept. Ecosystem and Conservation Sciences
The University of Montana
Missoula, MT

John M. DeCicco, Ph.D.
Research Professor Emeritus
University of Michigan Energy Institute
Ann Arbor, Michigan

Additional Signatories

Carlos Carroll, Ph.D.
Klamath Center for Conservation Research
PO Box 104
Orleans, CA 95556

Neville Winchester, Ph.D.
Adjunct Assistant Professor
SLI, Biology Department
University of Victoria
Board member International Canopy Network

Craig C. Downer, A.B. (UCB), M.S. (UNR), Ph.D.c. (UDurhamUK)
Andean Tapir Fund
P.O. Box 456
Minden, NV 89423 USA

Mitchell M. Johns, Ph.D.
Professor Emeritus of Soil and Plant Science
College of Agriculture
California State University
Chico, CA 95929-0310

Will Russell, Ph.D.
Professor, Department of Environmental Studies
San Jose State University
One Washington Square, San Jose, CA

John Harte, Ph.D.
Professor of the Graduate School
Ecosystem Sciences
ERG/ESPM
University of California
Berkeley, CA 94720

Garry Rogers, Ph.D., President
Agua Fria Open Space Alliance, Inc.
Humboldt, AZ

Ronald W. Abrams, Ph.D.
Dru Associates, Inc.
Chintsa, South Africa and
Glen Cove, New York

Rob Mrowka, M.S.
Landscape Ecologist, retired
Machias, NY

Alan Stemler, Ph.D.
Professor Emeritus
Plant Biology Department
University of California-Davis
Davis, California USA

Sam Davis, Ph.D., Conservation Scientist
Dogwood Alliance
Asheville, NC

Bitty A. Roy, Ph.D.
Professor Emerita
Inst. of Ecology and Evolution
University of Oregon

John W. Schoen, Ph.D.
Wildlife Ecologist, retired
Anchorage, Alaska

David F. DeSante, Ph.D.
President, The Institute for Bird populations
Petaluma, CA 95953

Paul Schaeffer, Ph.D., Associate Professor of Biology
Miami University
Oxford, OH

Mary V. Price, Ph.D.
Professor of Biology, Emerita
University of California, Riverside

Tina Rhea, M.S.
Greenbelt, MD

Don Charles, Ph.D.
Academy of Natural Sciences
Drexel University

Melanie Szulczewski, Ph.D.
Associate Professor of Environmental Science
University of Mary Washington, Fredericksburg VA

Thomas Michael Power, Ph.D.
Professor of Economics, Emeritus
The University of Montana

Michael C. Swift, Ph.D.
Assistant Professor Emeritus of Biology
St. Olaf College

David W. Roberts, Ph.D.
Professor Emeritus
Department of Ecology
Montana State University
Bozeman, MT 59717-3460

K. Greg Murray, Ph.D.
Professor Emeritus of Biology
Hope College
Holland, Michigan

Gretchen North, Ph.D.
John W. McMenamin Endowed Professor of Biology
Occidental College
Los Angeles, CA 90041

Glenn E. Walsberg, Ph.D.
Professor Emeritus
School of Life Sciences
Arizona State University

Timothy P. Spira, Ph.D.
Emeritus Professor, Ecology
Clemson University

Barbara C. (Kitti) Reynolds, Ph.D.
Professor Emerita, Department of Environmental Studies
University of North Carolina at Asheville
Asheville, NC 28804

Richard A. Bradley, Ph.D.
Associate Professor, Emeritus
The Ohio State University, Columbus, OH

George Robinson, Ph.D.
Emeritus Professor of Biological Sciences
State University of New York at Albany

Susanne C. Moser, Ph.D.
Susanne Moser Research & Consulting
University of Massachusetts-Amherst

Mary S. Tyler, Ph.D.
Professor Emerita of Zoology
University of Maine, ME

Matthew J. Rubino, M.S.
Research Scholar
NC State University Department of Applied Ecology

Richard S. Ostfeld, Ph.D.
Distinguished Senior Scientist
Cary Institute of Ecosystem Studies
Millbrook, NY 12545, USA

John F Weishampel, Ph.D.
Professor of Biology
University of Central Florida

Dr. Faisal Moola, Ph.D.
Associate Professor
Department of Geography (347 Hutt).
College of Social and Applied Human Sciences
University of Guelph
Guelph, Ontario

Judith S. Weis, Ph.D., Professor Emerita
Rutgers University
Newark, NJ

Alan Dickman, Ph.D.
Professor Emeritus, Environmental Studies and Biology
University of Oregon

Nicanor Saliendra, Ph. D.
USDA Agricultural Research Service
Mandan, ND

Paula M Schiffman, Ph.D.
California State University, Northridge

Stacey Harmer, Ph.D.
Professor, Department of Plant Biology
University of California Davis

Robert M. Pyle, Ph.D.
Founder, The Xerces Society for Invertebrate Conservation

Peter Stacey, Ph.D.
Research Professor (retired)
Department of Biology
University of New Mexico
Albuquerque, NM 87507

Thomas L. Fleischner, Ph.D.
Senior Advisor & Director Emeritus, Natural History Institute
Faculty Emeritus, Prescott College

Melissa Savage, Ph.D.
Professor Emerita
University of California Los Angeles
Los Angeles, CA

Allen G. Gibbs, Ph.D.
Professor, University of Nevada, Las Vegas

James R. Strittholt, Ph.D., President
Conservation Biology Institute
Corvallis, OR

Philip J. Nyhus, Ph.D.
Professor of Environmental Studies
Colby College, Waterville, ME

Thomas W. Sherry, Ph.D., Professor
Department of Ecology and Evolutionary Biology
Tulane University

John Ratti, Ph.D.
Professor and Research Scientist, Retired University of Idaho
New Meadows, Idaho

Malcolm K. Cleaveland, Ph.D., LTC USAR (Ret.)
Professor Emeritus of Geosciences
University of Arkansas - Fayetteville
Department of Geosciences

Brett R Riddle, Ph.D.
Professor
Life Sciences
University of Nevada, Las Vegas
Editor-in-Chief, Journal of Mammalogy

Karen Holl, Ph.D.
Professor of Environmental Studies
University of California, Santa Cruz

Anthony Snider, Ph.D.
Associate Professor of Environmental Sciences
University of North Carolina Wilmington
601 S. College Rd., Dobo 2038-D
Wilmington, NC 28403-5949

Rick Van de Poll, Ph.D.
Ecosystem Management Consultants of New England, LLC
30 N. Sandwich Rd
Center Sandwich, NH 03227

Joshua Schimel, Ph.D., Professor, Environmental Studies
University of California Santa Barbara

Craig Benkman, Ph.D.
Distinguished Chair in Ecology
University of Wyoming

James R. Blauth, Ph.D., Professor of Biology
University of Redlands
1200 E. Colton Ave.
Redlands, CA 92373

John G. Robinson, Ph.D.
Joan L. Tweedy Chair in Conservation Strategy
Wildlife Conservation Society

Esther C. Peters, Ph.D. || Associate Professor
Environmental Science & Policy, George Mason University
4400 University Drive, MS 5F2, Fairfax, VA 22030-4444

Jack A. Sobel, M.S.
Bethesda, MD 20816

Chris Myers, Ph.D.
Professor of Biology
Miami University

Terry L. Root, Ph.D., Senior Fellow Emerita
Stanford Woods Institute for the Environment
Stanford University

Tony Povilitis, Ph.D.
Wildlife Biologist
Life Net Nature
Bozeman, MT USA

Edward Huang, Ph.D., AICP, LEED AP, CGBP, CGREP, QWEL
Principal Researcher, California Institute of Environmental Design & Management
Arcadia, CA

Brian T. Miller, Ph.D., Professor
Department of Biology
Middle Tennessee State University
Murfreesboro, Tennessee 37132

Jessica Dawn Pratt, Ph.D.
Associate Professor of Teaching
Ecology & Evolutionary Biology
Conservation & Restoration Science Program
University of California at Irvine

Stephen T. Tettelbach, Ph.D.
Professor Emeritus of Biology
LIU Post
720 Northern Blvd.
Brookville, NY 11548-1300

Barry R. Noon, Ph.D.
Professor Emeritus
Department of Fish, Wildlife and Conservation Biology
Colorado State University

Roger A Powell, Ph.D.
Department of Applied Ecology
North Carolina State University

Paul C. Paquet, Ph.D.
Raincoast Conservation Foundation
Senior Scientist & Professor Adjunct
Applied Conservation Science Lab
University of Victoria
Victoria, BC Canada

Gary D. Grossman, Ph.D.
Fellow, American Fisheries Soc.
Fellow, The Linnean Soc.
Professor of Animal Ecology
Warnell School of Forestry & Natural Resources
University of Georgia  
Athens, GA, USA 30602  
Affiliate Professor Haifa University  

John Swaddle, Ph.D.  
Faculty Director, Institute for Integrative Conservation  
William & Mary, Williamsburg, VA

James A. Quinn, Ph.D.  
Professor Emeritus  
Rutgers University  
New Brunswick, NJ

Roger W. Ruess, Ph.D.  
Professor Emeritus, Senior Research Associate  
Institute of Arctic Biology, University of Alaska  
Fairbanks, AK 99775

WS Armbruster, Ph.D.  
University of Portsmouth, UK  
& University of Alaska Fairbanks, USA

Dan Spencer, Ph.D.  
Professor, Environmental Studies  
The University of Montana

Kathleen McCarthy, M.S.  
Restoration Ecologist

John R. Cannon, Ph.D.  
Conservation Biologist,  
Consultant to the International Whooping Crane Recovery Team

Michael Rosenzweig, Ph.D.  
Professor Emeritus,  
University of Arizona

Thomas Rooney, Ph.D.  
Department of Biological Sciences  
Wright State University  
Retired

James R. Karr, Ph.D., Professor Emeritus  
School of Aquatic and Fishery Sciences  
University of Washington, Seattle, WA
Donald M. Waller, Ph.D.
Former J.T. Curtis Professor of Botany
University of Wisconsin-Madison
Madison, WI 53706 USA
Chief Scientist, Superior Bio Conservancy

Curt Bradley, M.S., Senior Scientist
Center for Biological Diversity
Tucson, AZ

Carol Baskauf, Ph.D.
Austin Peay State University

David J. Mildrexler, Ph.D.
Eastern Oregon Legacy Lands
Joseph, OR

Edwin B. Royce, Ph.D.
Mahogany Station
Kennedy Meadows, CA

Cameron Barrows, Ph.D.
Conservation Ecologist
Center for Conservation Biology
University of California Riverside

Ann Sloat, Ph.D.
University of Hawaii, Public Health (retired)
Oahu, Hawaii

Hank Stevens, Ph.D.
Director, PhD Program in Ecology, Evolution, and Environmental Biology
Miami University
Oxford, OH, USA

Kathleen L. Shea, Ph.D.
Professor of Biology and Environmental Studies
St. Olaf College
Northfield, MN

Elke Schoffers, Ph.D.
Professor of Chemistry, Department of Chemistry
Western Michigan University
Kalamazoo, MI

James A. Schmid, Ph.D.
President, Schmid & Co., Inc., Consulting Ecologists
Media, PA

Elizabeth Horvath, M.S.
Associate Professor of Biology, Westmont College
Research Associate, Invertebrate Zoology
Santa Barbara Museum of Natural History

Bruce Kirchoff, Ph.D., Professor
University of North Carolina at Greensboro

Jon Grinnell, Ph.D.
Francis Morey Uhler Chair in Biology
Gustavus Adolphus College
St Peter, MN

Johannes Foufopoulos, Ph.D., Associate Professor
School for Environment and Sustainability
University of Michigan

Richard T. Holmes, Ph.D.
Professor Emeritus of Biological Sciences
Dartmouth College
Hanover, NH

Lee E. Frelich, Ph.D.
Director, Center for Forest Ecology
The University of Minnesota
St. Paul, MN

Jennifer Gervais, Ph.D.
Wildlife Ecologist
Oregon Wildlife Institute

Cheryl Harding, Ph.D.
Professor Emerita
Hunter College, City University of New York
New York, NY

Malcolm Hunter, Jr., Ph.D., Emeritus Professor of Wildlife Ecology
University of Maine

John A. Klotz, Ph.D.
Associate Professor, Emeritus
Department of Biological Sciences
University of Maryland Baltimore County (UMBC)
Gene E. Likens, Ph.D.
Distinguished Research Professor, University of Connecticut and
Founding President Emeritus, Cary Institute of Ecosystem Studies
Millbrook, NY

Jay H. Jones, Ph.D.
Professor Emeritus of Biology and Biochemistry
Departments of Biology and Chemistry
University of La Verne
La Verne, CA

Jack Kirkley, Ph.D.
Emeritus Professor of Biology
The University of Montana - Western

William D. Newmark, Ph.D.
Research Curator
Natural History Museum of Utah
University of Utah
Salt Lake City, UT

Holmes Rolston III, Ph.D.
University Distinguished Professor
Colorado State University
Fort Collins, CO

Gary K. Meffe, Ph.D.
Adjunct Professor, Retired
Wildlife Ecology and Conservation
University of Florida
Gainesville, Florida

Pamela Morgan, Ph.D.
Professor of Environmental Studies
School of Marine & Environmental Programs
University of New England
Biddeford, ME

Travis D. Marsico, Ph.D.
Professor of Botany
Arkansas State University
Jonesboro, Arkansas

C. Riley Nelson, Ph.D.
Professor, Biodiversity
Department of Biology  
Brigham Young University  
Provo, UT  

Michael Rentz, Ph.D.  
Associate Teaching Professor  
Iowa State University  

Jon Evans, Ph.D.  
Professor of Biology  
Department of Biology  
University of the South  
Sewanee, TN  

Hartwell H. Welsh, Jr., Ph.D.  
Research Wildlife Biologist  
Arcata, CA  

Cara R. Nelson, Ph.D.  
Professor & Chair  
Department of Ecosystem and Conservation Sciences  
W.A. Franke College of Forestry and Conservation  
University of Montana  
Missoula, MT  

Steve LaDochy, Ph.D., Professor Emeritus  
Dept. of Geosciences & Environment  
California State University, Los Angeles  

Eric Burr, M.S., Forestry  
Methow Conservancy  

Philip D. Cantino, Ph.D.  
Professor Emeritus of Environmental and Plant Biology  
Ohio University, OH  

Joseph A. Cook, Ph.D.  
Distinguished Professor of Biology  
University of New Mexico  

John A. Cigliano, Ph.D.  
Professor of Biology and Director of Environmental Conservation  
Department of Biological Sciences  
Cedar Crest College,  
Allentown, PA
Brian Bodenbender, Ph.D.
Professor of Geology and Environmental Science
Hope College
Holland, MI

Amy Denton, Ph.D.
Professor of Biology
California State University Channel Islands
Camarillo, CA

F Stuart Chapin III, Ph.D.
Professor Emeritus of Ecology
Institute of Arctic Biology
University of Alaska Fairbanks
Fairbanks, AK

James Woodley, M.S.
Environmental Biologist
President, JAPRI.Org
Greenville, NC

Richard A. Cellarius, Ph.D.
Emeritus Member of the Faculty (Plant Biology; Biophysics; Environmental Policy)
The Evergreen State College
Olympia, WA

William R. Bromer, Ph.D.
Professor Emeritus of Biology and Environmental Sciences
University of St. Francis
Joliet, IL

Char Miller, Ph.D.
W.M. Keck Professor of Environmental Analysis & History
Pomona College
Claremont, CA

William D. Anderson, Jr., Ph.D.
Professor Emeritus
Grice Marine Biological Laboratory
College of Charleston
Charleston, South Carolina

Wayne D. Spencer, Ph.D.
Chief Scientist
Conservation Biology Institute
Janet Marsden, Ph.D.
Research Associate
Syracuse University

Ileené Anderson, M.S.
Senior Scientist
Center for Biological Diversity
Los Angeles, CA

Jesse R. Barber, Ph.D.
Associate Professor
Dept. of Biological Sciences
Boise State University
Boise, ID

Patrick Crist, Ph.D., Principal
PlanIt Forward
Broomfield, Colorado

A.Z. Andis Arietta, M.S.
Ph.D. Candidate
Yale University, School of the Environment
New Haven, Connecticut

Elizabeth Borer, Ph.D.
Professor
Department of Ecology, Evolution, and Behavior
University of Minnesota
St. Paul, MN

Tom Dudley, Ph.D.
Marine Science Institute
& Cheadle Center for Biodiversity and Ecological Restoration
University of California, Santa Barbara, CA

C. Dusti Becker, Ph.D., Co-Director
Life Net Nature
Bozeman, MT

Anthony Metcalf, Ph.D.
Professor of Biology
Conservation Biology and Evolution
California State University
San Bernardino, CA

Rosemary Sherriff, Ph.D.
Margot Griswold, Ph.D.
Senior Restoration Ecologist
Land IQ
Los Angeles, CA

George Wuerthner, M.S.
Researcher/Biologist/Writer
Public Lands Media
Bend, Oregon

Daniel G. Gavin, Ph.D., Professor
Department of Geography
University of Oregon
Eugene, OR

Daniel C. Fisher, Ph.D.
Claude W. Hibbard Collegiate Professor,
Department of Earth and Environmental Sciences
University of Michigan
Ann Arbor, MI

Jacob Kann, Ph.D.
Aquatic Ecosystem Sciences LLC
Ashland, OR

Mark Hunter, Ph.D.
Earl E. Werner Distinguished University Professor
University of Michigan
Ann Arbor, MI

Marc Imlay, Ph.D., Biologist
Bryans Road, Maryland

Jerry Freilich, Ph.D.
Bend, OR

Ken Carloni, Ph.D.
Restoration Ecologist
Yew Creek Land Alliance
Roseburg, OR

Christopher A. Frissell, Ph.D.
Chair Department of Hydrology
Salish Kootenai College
Pablo, MT

David R. Kanter, Ph.D.
Associate Professor of Environmental Studies
New York University

Doug Meikle, Ph.D.
Professor, Department of Biology
Miami University
Oxford, OH

Dan Rosenberg, Ph.D.
Oregon Wildlife Institute
Corvallis, OR

John Terborgh, PhD
James B. Duke Professor Emeritus
Nicholas School of the Environment
Duke University
Durham, NC

Anna Tyler, Ph.D., Research Scientist
The Jackson Laboratory
Bar Harbor, Maine

Ellen Moyer, Ph.D., PE
Principal
Greenvironment, LLC
Montgomery, MA

Knute Nadelhoffer, Ph.D.
Professor Emeritus, Dept. of Ecology & Evolutionary Biology
University of Michigan
Ann Arbor, MI

Vicky Meretsky, PhD,
Professor of Environmental Science
O’Neill School of Public and Environmental Affairs
Indiana University
Bloomington, IN

Karl Jarvis, Ph.D., Lecturer of Biology
Southern Utah University
Cedar City, UT
Kenneth Driese, Ph.D., Senior Lecturer (Emeritus)
University of Wyoming
Laramie, WY

David F. Whitacre, Ph.D.
Instructor (retired)
Treasure Valley Math and Science Center
Boise, Idaho

Dennis Murphy, Ph.D.
Emeritus Research Professor
University of Nevada
Reno, Nevada

John G. Carter, Ph.D., BME, MBA
Ecologist
Kiesha’s Preserve
Bondurant, WY

References


