Feb 24, 2024 (updated from Jan 31, 2024)

President Joe Biden The White House 1600 Pennsylvania Avenue, N.W. Washington, DC 20500

Cc: Ali Zaidi, National Climate Advisor, The White House; Stephenne Harding, Council on Environmental Quality; Thomas J. Vilsack, Secretary of Agriculture; Deb Haaland, Secretary of Interior

Re: Request for an Executive Order to Place a Moratorium on Logging Mature and Old-Growth Forests, and Large Trees Generally, on National Forests and BLM Lands While the Old Growth EIS Proceeds

Dear President Biden:

We are scientists with backgrounds in forest ecosystems, climate change, and natural resources writing in response to the December 20, 2023 Notice of Intent for a National Old Growth Amendment in the Federal Register (Federal Register, Vol. 88. No. 243). We applaud your Executive Order 14008 directing federal agencies to protect 30% of the nation's lands and waters by 2030, and Executive Order 14072 directing the national inventory of mature and old-growth forests for conservation purposes, most of which are on National Forests and BLM lands. Because of the global loss of mature and old-growth forests, and large trees generally, and their importance in mitigating the climate and biodiversity crisis on federal lands, we fully support calls by fellow scientists for a moratorium on logging in these critically important forests. Therefore, we request that you now direct the Forest Service and BLM to suspend all timber sales in mature and old-growth forests, and refrain from proposing new timber sales in these forests, while the federal agencies develop their Environmental Impact Statements that best comply with Executive Order 14072 in securing a national network of conservation areas.

We are concerned that the Administration's proposed old-growth Amendment "does not alter or prescribe any substantive standards for the management of old growth forests" that in the meantime remain vulnerable to dozens of timber sales nationally and efforts by the Forest Service to increase logging of these forests before any substantive conservation takes hold. We are also concerned that the proposed Amendment excludes mature forests and includes a loophole that would allow logging of old-growth forests under certain conditions. Additionally, based on an independent inventory of mature and old-growth forests in the conterminous United States, and the Tongass rainforest in Alaska, more than 50 million acres of mature and old-growth forests are vulnerable to logging. In particular, the Amendment exempts the Tongass, the nation's highest concentration of old-growth forests and forest carbon, from further analysis, which is inconsistent with your efforts to transition this forest out of old-growth logging.

The <u>Glasgow Leaders' Declaration on Forests and Land Use</u> was signed by 141 countries, including the United States, at the COP26. The declaration pledges to end global deforestation and **forest degradation** by 2030 (emphasis added). Additionally, the United States is committed to the <u>Paris Climate Agreement</u> that "encourages Parties to conserve and enhance, as appropriate, sinks and reservoirs of GHGs that are referred to in Article 4, paragraph 1(d) of the Convention, **including forests**" (emphasis added). Following through on these commitments in practice is <u>crucial for climate change mitigation</u>.

Logging and associated road building in mature and old-growth forests and the removal of large trees on federal lands is the main form of **forest degradation** and is therefore inconsistent with your global commitments and relevant executive orders. We ask that you lead by example in signaling to the world that the United States takes its commitment seriously in halting the global biodiversity and climate crises

by now directing federal agencies to enact the strongest protections for the nation's mature and old-growth forests and large trees as natural climate solutions and a flagship initiative of your <u>roadmap for nature-based solutions</u>. Doing so will be a legacy gift of your Administration to the nation and the planet.

Sincerely,

Beverly Law, Ph.D. Professor Emeritus of Global Change Biology Oregon State University

William H. Schlesinger, Ph.D. Member, National Academy of Sciences President, Emeritus Cary Institute of Ecosystem Studies

George M. Woodwell, Ph.D. Member, National Academy of Sciences Founding Director, Woodwell Climate Research Center

Janet Franklin, Ph.D. Member, National Academy of Sciences Endowed Campanile Foundation Professor of Geography, San Diego State Univ.

Michael Mann, Ph.D. Member, National Academy of Sciences Presidential Distinguished Professor University of Pennsylvania

Richard Birdsey, Ph.D. Senior Scientist Woodwell Climate Research Center

John Sterman, Ph.D. Jay W. Forrester Professor of Management Massachusetts Institute of Technology

Gene Likens, Ph.D. Founding Director and President, Emeritus Cary Institute of Ecosystem Studies

Stuart Pimm, Ph.D. Doris Duke Professor of Conservation Duke University

Cathy Whitlock, Ph.D. Regents Professor Emerita Montana State University William R Moomaw, Ph.D. Professor Emeritus, Tufts University Distinguished Visiting Scientist Woodwell Climate Research Center

James N. Galloway, Ph.D. Member, National Academy of Sciences Sidman P. Poole Professor, Environmental Sciences, U. of Virginia

Peter H. Raven, Ph.D. Member, National Academy of Sciences Prof. Emeritus, Washington Univ. St. Louis Pres. Emeritus, Missouri Botanical Garden

Jim Hansen, Ph.D., Director Member, National Academy of Sciences Climate Science, Awareness & Solutions Columbia University, Earth Institute

David Foster, Ph.D. Director Emeritus Harvard Forest Harvard University

Barry Noon, Ph.D. Emeritus Professor Colorado State University

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

Richard A. Houghton, Ph.D. Senior Scientist Emeritus Woodwell Climate Research Ctr.

R. Max Holmes, Ph.D. President & CEO Woodwell Climate Research Center

Dominick A. DellaSala, Ph.D. Chief Scientist, Wild Heritage Project, Earth Island Institute Rose Abramoff, Ph.D. Research Scholar Ronin Institute

Daniel Anderson, Ph.D. Professor Emeritus University of California

William Armbruster, Ph.D. Principal Research Scientist University of Alaska Fairbanks

Erik Asphaug, Ph.D.

Professor

University of Arizona

Peter Auster, Ph.D.

Research Professor Emeritus

retired

David Bain, Ph.D. Chief Scientist Orca Conservancy

William L. Baker, Ph.D.

Emeritus Professor, Ecology and Geography

University of Wyoming

Norman T. Baker, Ph.D. Ecologist and Entomologist Northstar Nurseries Inc.

Jesse Barber, Ph.D

Professor

Boise State University

Phoebe Barnard, Ph.D.

Co-Founder

Global Restoration Collaborative

Robert Beschta, Ph.D. Professor Emeritus Oregon State University

Jeff Beane, Ph.D. Curator of Herpetology

NC State Museum of Natural Sciences

Craig Benkman, Ph.D. Professor Emeritus University of Wyoming Logan Berner, Ph.D.

Asst. Research Professor Forest Ecology

Northern Arizona University

Danielle M. Berardi, Ph.D

Postdoc. Research Assoc. Forest Ecology

University of Wyoming

Harvey Blankespoor, Ph.D.

1991 National CASE professor of the year (Retired)

Hope College

James Blauth, Ph.D. Professor of Biology University of Redlands

Brian Bodenbender, Ph.D.

Professor of Geology & Environmental Science

Hope College

Monica Bond, Ph.D. Principal Scientist Wild Natural Institute

Jim Boone, Ph.D. Senior Scientist

Desert Wildlife Consultants, LLC

Mary S. Booth, Ph.D.

Director

Partnership for Policy Integrity

William Bromer, Ph.D. Professor Emeritus of Biology University of St Francis

Barbara Brower, Ph.D.

Emerita Professor of Geography

Portland State University

Paul Butler, Ph.D.

Emeritus Faculty Member

Geoscience

Alan Cady, Ph.D. Professor of Biology Miami University

Philip Cantino, Ph.D. Professor Emeritus Ohio University

Bobb Carson, Ph.D.

Professor- and Dean-Emeritus

Lehigh University

Donna Cassidy-Hanley, Ph.D. Senior Research Associate

Cornell University

Donald Charles, Ph.D. Senior Scientist Drexel University

John Cigliano, Ph.D Professor of Biology Cedar Crest College

Raymond Clarke, Ph.D. Professor emeritus Sarah Lawrence College

Malcolm Cleaveland, Ph.D.

Professor Emeritus

U. of Arkansas-Fayetteville

David P. Craig, Ph. D Professor of Biology Willamette University

Patrick Crist, Ph.D.

Principal

PlanIt Forward LLC

John M. DeCicco, Ph.D. Research Professor Emeritus University of Michigan

Alan Dickman, Ph.D. Professor Emeritus

Retired, University of Oregon

Ken Driese, Ph.D. Emeritus Lecturer University of Wyoming

Steve Dudgeon, Ph.D. Professor of Biology

California State University, Northridge

Jonathan Evans, Ph.D. Professor of Biology University of the South

Daniel Fisher, Ph.D. Professor Emeritus University of Michigan Johannes Foufopoulos, Ph.D.

Associate Professor University of Michigan

Jennifer A. Francis, Ph.D.

Senior Scientist

Woodwell Climate Research Ctr.

Jerry Freilich, Ph.D. Research Coordinator

National Park Service (retired)

Jennifer Frey, Ph.D.

Professor

New Mexico State University

Jed Fuhrman, Ph.D.

Professor

University of Southern California

Peter Frumhoff

Senior Science Policy Advisor Woodwell Climate Research Center

Daniel Gavin, Ph.D.

Professor

University of Oregon

Nick Gayeski, Ph.D. Fisheries Scientist Wild Fish Conservancy

John Gerwin, Ph.D.

Research Curator, Ornithology NC Museum of Natural Sciences

Deborah A. Giles, Ph.D. Science & Research Director

Wild Orca

Scott Goetz, Ph.D. Regents Professor

Northern Arizona University

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

Gregory Grether, Ph.D.

Professor UCLA Jon Grinnell, Ph.D. Uhler Chair in Biology Gustavus Adolphus College

Robert E. Gresswell, Ph.D. Research Scientist, Emeritus US Geological Survey

Gary Grossman, Ph.D. Professor Emeritus University of Georgia

Tara W. Hudiburg, Ph.D.

Assoc. Professor, Coll. Natural Resources, U-Idaho Dir. Institute for Innovative Climate Solutions

Chad Hanson, Ph.D.
John Muir Project
Director and Principal Ecologist

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

John Harte, Ph.D. Professor Emeritus University of California, Berkeley

Robert M. Hughes, Ph.D. Senior Research Scientist Amnis Opes Institute, Oregon

Robert Heath, Ph.D. Professor Emeritus Kent State University

Kenneth Helms, Ph.D. Research Affiliate University of Vermont

Karen Holl, Ph.D.

Professor of Environmental Studies University of California, Santa Cruz

Glenn K. Bush, Ph.D. Environmental Economist Woodwell Climate Research Center

Richard Holmes, Ph.D. Professor Emeritus of Biological Sciences Dartmouth College Elizabeth Horvath, Ph. D Associate Professor, Biology Westmont College

Edward Huang, Ph.D. Principal Researcher Inst. for a Sustainable Earth

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

David Inouye, Ph.D. Professor Emeritus University of Maryland

Charles Janson, Ph.D. Professor Emeritus The University of Montana

Daniel Janzen, Ph.D. Professor Emeritus of Biodiversity Ecology University of Pennsylvania

Mitchell Johns, Ph.D. Professor Emeritus of Soil and Plant Science California State University Chico

Harrison Jones, Ph.D. Southwest Avian Ecologist The Institute for Bird Populations

Jay Jones, Ph.D. Professor Emeritus Biology, Biochemistry University of La Verne

Jacob Kann, Ph.D. Research Aquatic Ecologist Aquatic Ecosystem Sciences LLC

David Karowe, Ph.D. Professor of Biological Sciences Western Michigan University

Sterling Keeley, Ph.D. Professor of Botany Emerita University of Hawaii

Pushker A. Kharecha, PhD Climate Scientist & Deputy Director Climate Science, Awareness, & Solutions Columbia University Earth Institute Bruce Kirchoff, Ph.D. Emeritus Professor UNC Greensboro

John Kirkley, Ph. D

Emeritus Professor of Biology University of Montana – Westen

John Kloetzel, Ph. D. Retired biologist UMBC

Jason Koontz, Ph.D.

Professor of Biology and Environmental Studies Augustana College

Dana Krempels, Ph.D. Senior Lecturer University of Miami

Flora Krivak-Tetley, Ph.D. Lecturer and Researcher Dartmouth College

Janet Kubler, Ph.D.

Biologist

California State University, Northridge

Andréa L. Kuchy, Ph.D. Conservation Scientist Wild Heritage Project of Earth

Wild Heritage, Project of Earth Island Institute

Sam L. Davis, Ph.D.

Partnership for Policy Integrity

PFPI

Stephen La Dochy, Ph.D Professor Emeritus

CSULA

Rick Landenberger, Ph.D. Associate Professor West Virginia University

Derek Lee, Ph.D. Principal Scientist

Wild Natural Institute, Pennsylvania State Univ.

Laurel Lynch, Ph.D.

Asst. Professor, Dept Soil & Water Systems University of Idaho

Jason A. Lillegraven, Ph.D.

Retired

Depts, Geology and Zoology

Brian Linkhart, Ph. D Biology Professor Colorado College

Margaret Lowman, Ph.D.

Executive Director, TREE Foundation

National Geographic Explorer

James Marden, Ph. D Professor of Biology Penn State University

Janet Marsden, Ph. D. Research Fellow Syracuse University

Travis Marsico, Ph. D Vice Provost

Arkansas State University

Susan A. Masino, Ph.D. Professor of Applied Science Trinity College

Dave McWethy, Ph.D.

Assoc. Professor, Dept. Earth Sciences

Montana State University

Robert Meese, Ph. D. Staff Research Associate IV U.C. Davis - retired

Douglas Meikle, Ph.D. Professor of Biology Miami University

Anthony Metcalf, Ph.D. Professor of Biology CSUSB

David Mildrexler, Ph.D. Systems Ecologist Eastern Oregon Legacy Lands

Justin M. Mathias, Ph.D. Assistant Professor, Dept. Biology West Virginia University

Molly Morris, Ph.D. Professor Ohio University John C. Morse, Ph.D. Professor Emeritus Clemson University

Greg Murray, Ph.D.

T. Elliot Weier Prof. Emeritus of Plant Science

Hope College

Chris Myers, Ph.D.

Professor

Miami University

Philip Myers, Ph.D. Professor Emeritus University of Michigan

Dhruba Naug, Ph. D

Professor

Colorado State University

Gretchen North, Ph. D Professor of Biology Occidental College

Gustav Paulay, Ph. D

Professor

University of Florida

Steve Paulsen, Ph.D. Aquatic Ecologist, retired US EPA

Timothy Pearce, Ph. D.

Head of Mollusks

Carnegie Museum of Natural History

Roger Powell, Ph. D Professor Emeritus

North Carolina State University

Thomas Power, Ph. D

Professor Emeritus, Economics

University of Montana

Jessica Pratt, Ph. D

Professor of Ecology & Evolutionary Biology

University of California, Irvine

Nancy Pullen, Ph. D

Professor

Kennesaw State University

Robert Pyle, Ph. D.

Founder

The Xerces Society

James Quinn, Ph. D Professor Emeritus Rutgers University

Gurcharan Rahi, Ph. D

Physical Sciences Professor (retired)

Fayetteville State University

John Ratti, Ph. D

Professor and Research Scientist, Ret.

University of Idaho

Paul Rogers, Ph. D

Director, Adjunct Professor

Western Aspen Alliance, Utah State Univ.

Brendan Rogers, Ph.D.

Senior Scientist

Woodward Climate Research Ctr.

Steven Rogstad, Ph. D

Professor (Botany, Emeritus)

University of Cincinnati

Juliette Rooney-Varga, Ph. D

Professor

University of Massachusetts Lowell

Amy Rossmam, Ph. D.

Research Leader (retired)

USDA Agriculture Research Service

William H Russell, Ph.D.

Professor of Environmental Studies

San Jose State University

Robin Salter, Ph. D

Professor Emeritus

Oberlin College

James Saracco, Ph. D

Research Ecologist

The Institute for Bird Populations

Sassan Saatchi, Ph.D.

Adjunct Professor

Institute of Environment & Sustainability University of California, Los Angeles

CEO CTrees.org

Melissa Savage, Ph. D Associate Professor Emerita UCLA

Paul Schaeffer, Ph.D. Professor, Dept. Biology Miami University

Paula Schiffman, Ph.D. Professor of Biology

California State University, Northridge

Joshua Schimel, Ph.D. Distinguished Professor Univ. California Santa Barbara

Christopher R Schwalm, Ph.D.

Senior Scientist

Woodwell Climate Research Center

James A. Schmid, Ph.D.

President

Schmid & Co., Inc., Consulting Ecologists

Christopher Still, Ph.D.

Professor of Forest Ecosystem Sci.

Oregon State University

Tania Schoennagel, Ph.D Research Scientist

University of Colorado-Boulder

Walter Shriner, Ph.D

Professor of Natural Resources Technology

Mt. Hood Community College

Herman Shugart, Ph.D

W.W. Corcoran Professor of Natural History

University of Virginia

Thomas D. Sisk, Ph.D. **Professor Emeritus**

Northern Arizona University

Wayne Spencer, Ph.D. Chief Scientist Emeritus Conservation Biology Institute

Timothy Spira, Ph.D. Emeritus Professor Botany Clemson University

Trygve Steen, Ph.D. Professor, ESM Dept. Portland State University

Mark Steer, Ph.D. **Associate Professor**

University of the West of England

Julia Steinberger, Ph.D.

Professor, Inst. of Geography & Sustainability

University of Lausanne

Sandra Steingraber, Ph.D.

Senior Scientist

Science and Environmental Health Network

Alan Stemler, Ph.D. **Professor Emeritus**

UC-Davis

James Strittholt, Ph.D.

Chief Scientist

Conservation Biology Institute

Alexandra Syphard, Ph. D Senior Research Ecologist Conservation Biology Institute

Melanie Szulczewski, Ph. D

Associate Professor of Environmental Science

University of Mary Washington

John Talberth, Ph.D.

President and Senior Economist Center for Sustainable Economy

John Terborgh, Ph. D

James B. Duke Professor Emeritus

Duke University (retired)

Richard B. Thomas, Ph.D. Professor of Biology West Virginia University

Tamara Ticktin, Ph.D. Professor of Botany

University of Hawaii at Manoa

Walter Tschinkel, Ph.D. **Professor Emeritus** Florida State University Mary Tyler, Ph.D Professor Emerita of Zoology University of Maine

Greg Walker, Ph.D Emeritus Professor University of California Riverside

Wayne Walker, Ph.D. Chief Scientific Officer/Senior Scientist Woodwell Climate Research Center

Donald Waller, Ph.D. Professor (retired) Univ. of Wisconsin - Madison

Glenn Walsberg, Ph.D. Professor Emeritus Arizona State University

Susan M. Natali Senior Scientist Woodwell Climate Research Ctr. Judith Weis, Ph.D. Professor Emerita Rutgers University

Sue Wick, Ph.D. Professor Emerita University of Minnesota

Susan Willson, Ph.D. Assoc. Professor of Biology St. Lawrence University

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

Peter Wood, Ph.D. Lecturer, Faculty of Forestry, UBC

^{*}Affiliations are for identification only and do not reflect the views of the organization.