

LYNNE Y. LEWIS

Bates College
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ACADEMIC POSITIONS

Elmer W. Campbell Professor of Economics, 2012-
Department of Economics, Bates College

Affiliate Faculty, Colorado State University, 2020-
Department of Ag and Resource Economics

Professor of Economics and Department Chair 2007-2012
Department of Economics, Bates College

Associate Professor of Economics 2000-2007
Department of Economics, Bates College

Assistant Professor of Natural Resource Economics, 1994-2000
Yale University School of Forestry and Environmental Studies

AWARDS & ACADEMIC HONORS

Association of Environmental and Resource Economists Board of Directors, Nov 2018-January 2022.

Named the Elmer W. Campbell '27 Chair of Economics, April 2012

Friend of UCOWR Award, July 2005

Board of Directors of Universities Council on Water Resources, 1999-2005 NSF/Lucent Technologies Research Fellowship Award, 1997-1999

Association of Environmental and Resource Economists Travel Fellowship Award, 1998

Universities Council on Water Resources Outstanding Dissertation Award, 1995

National Center for Atmospheric Research Dissertation Fellowship, 1992-1994

Morris E. Garnsey Fellowship, 1992

EDUCATION

Ph.D in Economics. University of Colorado at Boulder, 1994

B.A. in International Affairs, University of Colorado at Boulder

RESEARCH & PUBLICATIONS**Books and Edited Volumes**

Tietenberg, Tom and Lynne Lewis. *Environmental Economics: The Essentials. 2nd Ed.*,
Routledge, Taylor and Francis Group, *forthcoming 2024*.

- Tietenberg, Tom and Lynne Lewis. *Natural Resource Economics: The Essentials*, 2nd Ed. Routledge, Taylor and Francis Group, forthcoming 2024.
- Tietenberg, Tom and Lynne Lewis. *Environmental and Natural Resource Economics*, 12th Edition, Taylor and Francis, July 2023.
- Lynne Lewis and Tom Tietenberg. *Environmental Economics and Policy*, 7th Edition, Routledge, January 2020.
- Tietenberg, Tom and Lynne Lewis. *Environmental Economics: The Essentials*., Routledge, Taylor and Francis Group, 2020.
- Tietenberg, Tom and Lynne Lewis. *Natural Resource Economics: The Essentials*. Routledge, Taylor and Francis Group, 2020.
- Tietenberg, Tom and Lynne Lewis. *Environmental and Natural Resource Economics*, 11th Edition, Taylor and Francis, February 2018
- Tietenberg, Tom and Lynne Lewis. *Environmental and Natural Resource Economics*, 10th Edition, Pearson, 2014.
- Tietenberg, Tom and Lynne Lewis. *Environmental and Natural Resource Economics*, 9th Edition, Pearson, 2012.
- Tietenberg, Tom and Lynne Lewis. *Environmental Economics and Policy*, 6th Edition, Addison-Wesley Publishers, 2010.
- Tietenberg, Tom and Lynne Lewis. *Environmental and Natural Resource Economics*, 8th Edition, Addison-Wesley Publishers, 2009
- “River and Lake Restoration: Changing Landscapes,” *Journal of Contemporary Water Research and Education*, Issue 134, July 2006. Issue Editor.

Refereed Articles and Book Chapters – peer reviewed publications or under peer review

- Lynne Lewis, Leslie Richardson and John Whitehead. “Fat Tails and WTP estimates: Kristrom revisited,” Invited Revise and Resubmit at *Land Economics*
- Lynne Lewis, Leslie Richardson and Jennifer Raynor. “Species Valuation: From the Iconic to the Ordinary” with Leslie Richardson and Jennifer Raynor. Invited submission to Volume 16 of the Annual Review of Resource Economics (*ARRE*).
- Christopher Costello, Lynne Lewis, John Lynham and Leslie Richardson. “The Charisma Premium: Iconic Individuals and Wildlife Values.” *JEEM (Journal of Environmental Economics and Management)*. Available online 23 August 2023, 102872
- Skibins, Jeffrey C., Leslie Richardson, Lynne Lewis, and Mike Fitz. 2023. "Is one the loneliest number? Impact of tourists' ability to identify individual bears on conservation outcomes." *Frontiers in Sustainable Tourism* 2: 1097511.
- Kuminoff, Nicolai V., Katherine E. Ciaramello, Hanna M. Dooley, Martin Heintzelman, Neha Khanna, Lea-Rachel Kosnik, Lynne Lewis, and Eric Trimble. 2022. “New Evidence on Diversity in Environmental and Resource Economics”. *Forthcoming in Review of Environmental Economics and Policy*.

- Richardson, Leslie, and Lewis, Lynne, 2022. Getting to know you: individual animals, wildlife webcams, and willingness to pay for brown bear preservation. *American Journal of Agricultural Economics*, 104(2), pp.673-692.
- Lewis, Lynne Y. and Wichman, Casey J., 2021. What Should We Be Teaching Students about the Economics of Climate Change: Is There a Consensus? *International Review of Environmental and Resource Economics*, 15(3), pp.203-233.
- Lewis, Lynne. 2020. "Rethinking Hydropower:: The Economics and Politics of Privately Owned Hydropower in the United States" *Oxford Encyclopedia of Water Resources Management and Policy*.
- Haab, Tim, Lynne Lewis, and John Whitehead. "State of the art of contingent valuation." *Oxford research encyclopedia of environmental science* (2020).
- Herrera, Guillermo E., Keith S. Evans, and Lynne Y. Lewis. 2017. "Aligning Economic and Ecological Priorities: Conflicts, Complementarities, and Regulatory Frictions." *Agricultural and Resource Economics Review*.
- Lewis, Lynne and Craig Landry. 2017. "River Restoration and Hedonic Property Value Analyses: Guidance for Effective Benefit Transfer." *Water Resources and Economics*. Vol 85.
- Schmidt, Amy. and Lewis, Lynne., 2017. The Cost of Stability: Consumption-Based Fixed Rate Billing for Water Utilities. *Journal of Contemporary Water Research & Education*, 160(1), pp.5-24.
- Wong, Yoon. Loon and Lewis, Lynne., 2013. The disappearing Environmental Kuznets Curve: A study of water quality in the Lower Mekong Basin (LMB). *Journal of environmental management*, 131, pp.415-425.
- Lewis, Lynne. "Environmental and Natural Resource Economics: Teaching the Major and Non-Majors Simultaneously" *January 2012* in International Handbook on Teaching and Learning Economics (Hoyt and McGoldrick, Editors), Elgar Press.
- Lewis, Lynne. 2011. "A "Virtual" Field Trip to the Real World of Cap and Trade: Environmental Economics and the EPA SO₂ Allowance Auction" *Journal of Economic Education*, 42:4,
- Bohlen, Curtis. and Lewis, Lynne Y., 2009. Examining the economic impacts of hydropower dams on property values using GIS. *Journal of Environmental Management*, 90, pp.S258-S269.
- Robbins, Jesse (Bates '06) and Lynne Lewis. "Demolish it and They will Come: Dam Removal and the *Ex-post* measurement of Fisheries Benefits," *Journal of the American Water Resources Association* 44(6) December 2008.
- Lewis, Lynne Y., Curtis Bohlen, and Sarah Wilson. "Dams, dam removal, and river restoration: A hedonic property value analysis." *Contemporary Economic Policy* 26, no. 2 (2008): 175-186.
- "Lewis, Lynne Y., and Gayatri Acharya. 2006. "Environmental quality and housing markets: does lot size matter?" *Marine Resource Economics* 21, no. 3 (2006): 317-330.
- Lewis, Lynne. 2006. "River and Lake Restoration: Changing Landscapes – An Introduction," *Journal of Contemporary Water Research and Education*, Issue 134.
- Lewis, Lynne. "Interstate River Compacts of the West?" 2006. Water Allocation in the Southeast: New Issues, New Methods, New Models, (Jordan and Wolf, Eds.) University Press of Florida.

“The Value of Water Supply Reliability in Urban Water Systems,” (with Charles W. Howe, Mark G. Smith, et al.) *Economics of Water Resources: Institutions, Instruments and Policies for Managing Scarcity*, (K. William Easter and Mary Renwick, Editors), Ashgate, February 2004.

*Reprinted from *Journal of Environmental Economics and Management*, 26, 19-30, 1994.

Acharya, Gayatri and Lynne Lewis. 2001. Valuing Open Space and Land Use Chaos in Urban Watersheds: An Hedonic Property Value Analysis,” *Journal of Real Estate Economics and Finance*, 22:2/3, 221-237.

Lewis, Lynne Y. and Charles W. Howe. “Interstate River Compacts: Incentives for Noncompliance,” *Conflict Prevention and Resolution in Water Systems* (Aaron Wolf, Ed), Edward Elgar, November 2001, reprinted from *Water Resources Research*, 34(3), 485-495, March 1998.

“Complexities with Transboundary Water Resource Management: Progress and Stumbling Blocks,” (Editor) *Water Resources Update*, 2001.

“The Integration of Water Quality into Transboundary Allocation Agreements: Lessons from the Southwestern United States,” *Agricultural Economics* 24, 113-125, 2000.

“Cost-Effective Control of Nitrogen Loadings in Long Island Sound,” (with S. Thorpe and A.J. Guse) *Water Resources Research* 36(12), 3711-3720, December 2000.

“The Interstate River Compact as a Water Allocation Mechanism: Efficiency Aspects,” (with C.W. Howe and J.S. Shope) *American Journal of Agricultural Economics*, November 2000.

“The Cost of Noncompliance: The Economic Value of Water in the Middle Arkansas Valley,” (with R. Naeser) *Natural Resources Journal*, 38(3), 445-463, Summer 1998.

“Interstate River Compacts: Incentives for Noncompliance,” (with C.W. Howe) *Water Resources Research*, 34(3), 485-495, March 1998.

“The Impact of Global Warming on Water Systems: Theoretical Issues,” (with R. Mendelsohn) *Climatic Change* 37, 271-290, 1997.

*Also reprinted in “Climate Change and Water Resources Planning Criteria” (Frederick, Major, and Stakhiv, Eds.), Kluwer, 1997.

“Facilitating International Agreements Through an Interconnected Game Approach: The Case of River Basins,” (with S. Ragland and P. Yolles) *Conflict and Cooperation on Trans-Boundary Water Resources* (Just and Netanyahu, Eds.), Kluwer, 61-85, 1997.

“The Arkansas River Compact: Integrated Watershed Management as a Means of Conflict Prevention,” (with R. Naeser) in *Water Resources Education, Training and Practice: Opportunities for the Next Century* (Warwick, Ed.), Symposium Proc. AWRA/UCOWR, 723-732, 1997.

“Design and Analysis of Contingent Valuation Surveys Using the Nested Tobit Model,” (with C.W. Howe and B.J. Lee) *Review of Economics and Statistics*, 385-389, 1994.

“The Value of Water Supply Reliability in Urban Water Systems,” (with Charles W. Howe, Mark G. Smith, et al.) *Journal of Environmental Economics and Management*, 26, 19-30, 1994.

“Foreign Threats and Domestic Actions: The Case of Sanctions Against South Africa,” (with W. H. Kaempfer, A. D. Lowenberg and H. Naci) in *Justice Without Violence*, (Wehr, Burgess, and Burgess, Eds.), Lynne Rienner Publishers, 1993.

In Prep/Working papers/Current Projects

- Keith S. Evans, Guillermo E. Herrera, Lynne Y. Lewis. "Building climate-resilient policies for commercial fisheries." Invited submission to *Maine Policy Review* Special issue. In Prep.
- "Fighting Fire: Reasons for the Homeowner Risk Gap." With Catie Sanchez, Patty Champ and Carolyn Wagner.
- "Using Local Knowledge to Model Bioeconomic Systems," with Amanda Lindsay and Dale Manning. In prep for AERE and AAEA Summer Conferences 2023.
- Trends in International Water Pricing: Equity, Efficiency and Revenue Stability. With Casey Wichman. Accepted for presentation at Southern Economic Association. November 2023.
- Big Solutions Contributor at Anything but Dismal at <https://www.anythingbutdismal.com/>
Lead reporter, Episode 4, Season 1.
- "On-line wildlife cam viewing: the impact of the pandemic," with Leslie Richardson.
- "Hedonic Analysis of Dam Removal using Matching Methods," with Elena Krasakova and Craig Landry.
- "Spatial variation in stated willingness to pay for river restoration," Guillermo Herrera and BoRa Kim.

Other Publications

- "Live Animal Cam Viewing: Survey of Katmai National Park Bearcam Viewers 2019 and 2020." With Mike Fitz, Jeffrey Skibins and Leslie Richardson." Final Report submitted to explore.org.
- "Water Quality," in *Environmental and Natural Resource Economics: An Encyclopedia*. (Timothy Haab and John C. Whitehead, Editors), Greenwood Press, June 2014.
- "Valuation in a bubble: hedonic modeling pre- and post-housing market collapse" (with Kevin Boyle, Jaren Pope and Jeffrey Zabel), *Association of Environmental and Resource Economists Fall Newsletter*, November 2012.
- "Environmental Economics: It's not an oxymoron anymore?" *Newsletter of the Committee on the Status of Women in the Economics Profession*, Spring/Summer 2010, p. 4-5.
- Instructor's Manual to Accompany Environmental Economics and Policy, 5th Edition (T. Tietenberg 2006) <http://www.aw-bc.com/catalog/academic/product/0,1144,0321348907-IS,00.html> June 2006.
- Instructor's Manual to Accompany Environmental and Natural Resource Economics, 7th Edition. (T. Tietenberg 2005), June 2005
- Instructor's Manual to Accompany Environmental Economics and Policy, 4th Edition (T. Tietenberg 2004), Instructor's Manual to Accompany Environmental and Natural Resource Economics (T. Tietenberg 2002), January 2003.
- Instructor's Manual to Accompany Environmental Economics and Policy (T. Tietenberg 2000), January 2001.
http://occ.awlonline.com/bookbind/pubbooks/tietenberg_eep3awl/chapter98/deluxe.html.
- "Land Use Diversity and Urban Watersheds: The Case of New Haven County," (with G. Acharya) Proceedings of the 1999 W-133 resource economics meetings.
- "Economic Considerations of the Restoration of a Tidal Salt Marsh: The Case of the West River,"

(with M. Udziela) in *Restoration of an Urban Salt Marsh: An Interdisciplinary Approach* (David Casagrande, Ed.), Yale University School of Forestry and Environmental Studies Bulletin Series, No. 100, 1997.

“Unidirectional Problems with International River Basins: A Game Theoretic Approach,” (with S. Ragland and P. Yolles) in Proceedings of *Water: A Trigger for Conflict/Reason for Cooperation*, 1996.

“The Economics of Interstate River Compacts: Efficiency, Compliance and Climate Change,” National Center for Atmospheric Research, NCAR/CT-151, 1994.

Book Review

Review of *Classic Papers In Natural Resource Economics* (Gopalakrishnan, Ed.), MacMillan Press. Review of “Water Quantity/Quality Management and Conflict Resolution” (Dinar and Loehman, Eds.). In *The Forum*.

FUNDED PI RESEARCH AND TEACHING DEVELOPMENT SUPPORT

Katmai Conservancy Grant to study willingness to pay for Brown Bear Preservation in Katmai National Park. Summer and Fall 2023. \$15,000.

Water Resources Research Institute Grant “20 years of River Restoration in Maine.” \$26,402. June 2020-March 2021.

Faculty Development Grant Bates College: \$4,400, May 2018.

Phillips Fellowship – sabbatical fellowship awarded for Academic Year 2014-15, “Estimating the Socio- Economic Impacts of Climate Change: Mapping Vulnerabilities and Building Community Resilience in the Face of Rapid Glacier Melt and Glacial Lake Outburst Floods.”

EPSCoR/NSF Award #EPS-0904155 YR5 (September 2013-July 2014) project for “*Ecological and Economic Recovery and Sustainability of the Kennebec and Androscoggin Rivers*” \$63,725 with Bev Johnson

EPSCoR/NSF Award #EPS-0904155 year 4, \$52,225, with Bev Johnson

EPSCoR/NSF Award #EPS-0904155, \$165,000 for years 1-3, Maine’s Sustainability Science Initiative September 2009-September 2013 – with Bev Johnson. *(year 3: 2011-2012 grant = \$54,974)

National Science Foundation, Participating as Senior Personnel on Collaborative Research Award to Philip Brown, Colby College (\$162,641), Darin Magee, Hobart and William Smith Colleges (\$90,470), and Desiree Tullos, Oregon State University (\$494,967), *Interdisciplinary Research and Methods for Assessing Dams as Agents of Change in China*. 2008-2011.

Incorporating Stakeholder Values into River Restoration Decisions, PI, Co-PI: Kathleen Bell. Water Resources Research Institute, USGS, \$26,000. March 2008 – July 2010.

Bates Faculty Development Award, January 2010, \$2,350.

Harvard Center Publicly Engaged Academic Projects, PI, \$6,000. 2009.

“The Androscoggin River: A Living Laboratory. Renewal,” with Faculty at Colby, Bates and Bowdoin, August 2008-August 2009, \$7,200.

Faculty Development Grant, Bates, College, \$2,150. 2008.

Capacity Building for Sustainable Governance in the GEF International Waters Portfolio PIMS no.3799. The Androscoggin River: A Socio-Economic Inventory, PI, Harvard Center for Community Partnerships Grant, 2006-2007, \$7000.

Faculty Development Grants, Bates College, 2006-2007.

Valuing Environmental Changes for Decision Making: Dam Removal and Restoration on the Penobscot and Kennebec Rivers, PI, Water Resources Research Institute, Mitchell Center for Environmental and Watershed Research, Funded for 2005-2006, \$23,452.

Pearson Education, Inc. Authored Instructor's Manuals for Tom Tietenberg's *Environmental and Natural Resource Economics* and *Environmental Economics and Policy*. Also assisted with revisions for new textbook edition. Have signed contract to phase-in as co-author of upcoming editions.

Karl Mills Grant for participating in the Seminar on Reflections in the Liberal Arts, 2003-2004, \$1,000. Karl Mills Grant to design new interdisciplinary course on Environmental Valuation. \$10,000. With Frank Chessa.

"Management of River Basins Through Decentralization," Consultancy with the World Bank, 2001. LADD Grant, Bates College, with Maggie Maurer-Fazio and Francesco Duina, \$5,000, 2001. "Connecting Ecological and Social Systems: Watershed Research Relating Ecosystem Structure and Function to Human Values and Socioeconomic Behaviors," Co-PI with Stephen Kellert, Gaboury Benoit, Mark Ashton, David Skelly and Paul Barten (NSF/EPA: \$795,000), 1997-1999.

"Connecting Ecological and Social Systems: Watershed Research Relating Ecosystem Structure and Function to Human Values and Socioeconomic Behaviors," Co-PI with Stephen Kellert (CT Sea Grant: \$97,439), 1997-1999.

"Modeling the Industrial Ecosystem," Co-PI with Thomas Graedel and Oswald Schmitz, (NSF and Lucent Technologies: \$100,000), 1997-1999.

"Effects of the Clean Air Act Amendments on Water Quality—812 Project," consultancy with Industrial Economics, Inc, 1998.

"Effluent Trading in the Quinnipiac River Watershed: An Experimental Market," Principal Investigator (The Geoffrey C. Hughes Foundation: \$19,550), 1997.

"Estimating the Effects of Water Rate Increases on Residential Customers," Principal Investigator (S. Connecticut Regional Water Authority (\$10,000), 1995-1996.

"Urban Water Supply Reliability: Planning Procedures and Survey Techniques. Charles W. Howe, Principal Investigator, Environment and Behavior Program and Department of Economics, University of Colorado, 1989-1991.

Completion Reports

"Valuing Environmental Changes for Decision Making: Dam Removal and Restoration on the Penobscot and Kennebec Rivers," Report Submitted to the George J. Mitchell Center for Environmental and Watershed Research, June 2006.

"Effluent Trading for Quinnipiac River Nitrogen Control: Simulation Analysis," completion report for the Geoffrey C. Hughes Foundation, Inc. 1999.

"Estimating the Benefits of Decreased Nitrogen Deposition into Estuaries in the United States Due to Air Quality Improvements Attributable to the CAAA: A Marginal Cost and Avoided Cost

Analysis,” completion report submitted to Industrial Economics, Inc., July 1998.

“Estimated Impacts of Proposed Rate Increases on Residential Water Demand for Customers Served by the South Central Connecticut Regional Water Authority,” completion report for the South Central Regional Water Authority, June 1996.

“Incorporating Public Preferences in the Optimization of Urban Water Supply Reliability: Planning Procedures and Survey Techniques,” (with Charles W. Howe, et al.), completion report for the U.S. Geological Survey, December 1991.

“Urban Water Supply Reliability: Preferences of Managers, Elected Officials, and Water Users in Boulder, Colorado,” (with Charles W. Howe, et al.), Colorado Water Resources Research Institute Report No. 158, December 1990.

SELECTED CONFERENCE/SEMINAR PRESENTATIONS and PUBLIC SPEAKING

“Using Local Knowledge to Model Bioeconomic Systems,” with Amanda Lindsay and Dale Manning. AERE Summer Conference June 2023.

“Fat Tails and Willingness to Pay: Kristrom Revisited.” Seminar Presentation. Dept of Ag and Resource Economics, Colorado State University, October 2022 and W5133 meetings March 2023.

“Tales from the Field” Panel presenter at the Southern Economic Association Annual Meetings. Nov 2021.

“Fat Tails: Covid, Climate Change and the Ever Given.” Commencement Address, Department of Economics, University of Colorado, Boulder. May 6, 2021.

“The Charisma Premium: Iconic Individuals and Wildlife Values” *Presented at* Colorado State University Joint Econ/DARE seminar series, April 2, 2021

AERE Annual Conference June 2, 2021

Preservation Values for an Individual Animal: Does Webcam Viewing Influence Willingness to Pay for Conservation? With Leslie Richardson. *Presented at:* Southern Economics Association AERE session, November 2019

W4133 Nonmarket Valuation Meeting, February 2020

AERE virtual conference, June 2020

Masters Environmental Economics Course, Georgia State University, June 2020 and 2021

“Hedonic Analysis, the Second Stage,” Presented at the Southern Economics Association Annual Meeting, November 2018.

“Dam Removal, Hedonic Analysis and Benefit Transfer: What have we learned” W4133 Nonmarket Valuation Workshop. February 2018. UNH Department of Economics Seminar. April 2018.

“Dam Removal, Hedonic Analysis and Benefit Transfer: What have we learned” W4133 Nonmarket Valuation Workshop. February 2018.

“The Cost of Revenue Stability: Water Pricing During Severe Drought” with Amy Schmidt (Bates '16). UCOWR annual meeting June 2017.

“River Restoration and Hedonic Property Value Analyses: Guidance for Effective Benefit Transfer and Environmental Policy.” Invited Presentation. Southern Denmark University, June 2017.

- “River Restoration and Hedonic Property Value Analyses: Guidance for Effective Benefit Transfer.” Southern Economic Association, November 2016.
- “Spatial variation in stated willingness to pay for river restoration.” AERE annual conference. June 2015. “Who Gives a Dam? When Environmental Economics and Economic Hydrology Collide” Presentation for Elmer W. Campbell Chair, February 2014.
- Panel Presentation: Participant in “What Economists Think”, Southern Economic Association Meetings 2013.
- Willingness to Pay for Anadromous Fisheries Restoration: Distance Decay and River Reputation, with Lindsay Thompson (ES '12) and Guillermo Herrera, presented at the 3rd Annual AERE conference, June 2013.
- Panel participation: “Hedonic Prices pre- and post- housing market bubble.” 2nd Annual AERE conference, Asheville, NC, June 2012.
- “Including the Public in Dam Removal Debates: Using Stated Preference Surveys,” Presentation at the International Water Resource Economics Consortium, Banff, Canada, June 2011.
- “Dam Removal and Benefits Transfer: If you’ve seen one, have you seen them all?” Presentation and Session Organizer at the World Congress of Environmental and Resource Economists, Montreal, June 27-July 2 2010.
- Invited Speaker for “The Economics for Evaluating Water/Energy Interactions for Policy,” Decision Center for a Desert City and Center for Environmental Economics and Sustainability, Arizona State University, April 2010.
- Program Committee and Moderator, Northeast Association of Agricultural and Resource Economists, June 2010.
- NAAFE Forum, Newport, RI, May 2009.
- Invited Plenary Speaker for Goodwin-Niering Center on Conservation Biology and Environmental Studies Annual Environmental Symposium, “Water Scarcity and Conflict,” April 2009. Connecticut College.
- “A Field Trip to the Real World: Environmental Economics and the EPA SO₂ Auction” Presented at the Southern Economics Association Meetings, November 2008.
- “Do Benefits Really Transfer? A Fish Tale Across 3 Rivers,” presented at the CU Environmental Economics Workshop, September 2008, and the Southern Economics Association Meetings, November 2008.
- “Environmental Economics: Oxymoron or the New Reality?” Faculty Symposium, Parents Weekend, Bates College, October 2008.
- “Hedonic Property Value Models and River Restoration, CSWEP session at the Southern Economics Association Annual Meetings November 2007.
- Keynote Speaker for the Global Water Project’s Annual Workshop, University of New Hampshire, May 2007.
- “Dams, Dam Removal and River Restoration: A Socio-economic Analysis,” Presentation at Dam Modeling Symposium, Washington, April 2007.
- Invited Seminar Speaker. Water Resources Research Center Seminar Series, University of Hawaii.
- Presentation scheduled for March 15, 2007.

Harvard Center for Community Partnerships' Public Works In Progress Seminar Series.
Presentation Scheduled for February 13, 2007.

Invited Speaker at Women in Economics Forum, University of Colorado, October 2006.

Invited Participant for International Water Expert Consultation Workshop Vancouver, British Columbia, July 2006.

Invited Participant for Panel on Building Collaboratories, Campus Compact Conference, April 2006. "Experimental Education for Undergraduates: Getting Non-science Students into the Field," Panel

Discussion at the UCOWR Annual Conference, Portland, ME 2005.

Committee on the Status of Women in the Economics Profession, Invited Mentor for Workshop, Southern Economics Association, November, 2005.

Allocating Water: Economics and the Environment. Panel presentation on the Columbia River Treaty, July 2004.

Water Security in the 21st Century, UCOWR Annual Conference, Moderator for Plenary session, a breakout session and presented Warren Hall Medal award, July 2003

University of Maine at Orono, Department of Resource Economics and Policy Seminar Series, Presented, "Spatial Components of Environmental Quality: Watersheds and Housing Markets, April 2003.

Maine Rivers Conference: Invited Presentation, "The Value of Water," Bethel, Maine, May 2002
September 2002. Planning Committee for Integrated Transboundary Water Management, UCOWR
sponsored, 2002.

Symposium on Climate, Water and Transboundary Challenges in the Americas, UCSB, Presented "Climate Variability and the Interstate River Compact: When will the Compact Fail?," July 2000.

University of Rhode Island, Department of Agricultural and Resource Economics Seminar Series. Presented "Understanding Environmental Preferences in the New Haven Watershed," September 1999.

Universities Council on Water Resources and International Water Economics Consortium annual meeting.
*Presented two papers and chaired two sessions, June 1999.

University of New Hampshire, Department of Economics Seminar Series. Presented "Valuing Open Space and Land Use Chaos in Urban Watersheds: An Hedonic Property Value Analysis," April 1999.

Committee on the Status of Women in the Economics Profession, CCOFFE workshop, Eastern Economics Association annual meeting, March 1999.

W-133 annual meeting. Presented "Land Use Diversity and Urban Watersheds: The Case of New Haven County," February 1999.

Connecticut State Legislature Opening Session. Moderated a panel on nitrogen trading programs for Long Island Sound. 1998

Southern Economics Association annual meeting. Chaired a SAPPCCREE session on water quality and presented "Cross-Media Trading Possibilities for Water Quality," November 1998.

Organized, hosted, and conducted workshop on Permit Trading Possibilities for Long Island Sound.

Presented computer simulation of permit market. Yale University School of Forestry and Environmental Studies, October 1998.

Universities Council on Water Resources annual meeting. Presented “The Design of Water Allocation Mechanisms: The Case of the Interstate River Compact,” August, 1998.

World Congress of Environmental and Resource Economists. Joint meeting of European Association of Environmental and Resource Economists and Association of Environmental and Resource Economists. Presented, June 1998.

Southern Economics Association annual meeting. Invited panelist for SAPPCCREE session on “Teaching Environmental and Natural Resource Economics,” Atlanta, November, 1997.

AWRA/UCOWR annual meeting. Presented, June 1997.

University of Hawaii, Department of Economics Seminar Series. Presented, April 1997.

Fifth Annual International Water and Resource Economics Consortium, Annapolis. Presented, April 1997. Twenty-eighth Annual Symposium on International Relations, *Troubled Water: An Impending Global Crisis*, Invited Panelist, League of Women Voters of Connecticut Education Fund and Yale University Center for International Area Studies, March 1997.

European Association of Environmental and Resource Economists annual meeting, Lisbon. Presented and discussed paper, June 1996.

University of Massachusetts, Department of Agriculture and Natural Resources Seminar Series, May 1996. Water: A Trigger for Conflict/Reason for Cooperation, Indiana University. Presented, March 1996. ASSA meetings, AERE session. Presented, January 1993.

TEACHING DEVELOPMENT

Short Term Course Redesign. Coastal Adaptation to Climate Change with Bev Johnson. 2018.

Faculty Commons Training on Learning Goals.

Invited panelist. *Teaching Environmental and Natural Resource Economics*. Southern Economics Association annual meeting 2018.

Committee on the Status of Women in the Economics Profession (CSWEP) mentor for Junior Faculty in Economics, Nov. 2005.

Seminar on *Reflection in the Liberal Arts* participant, 2003-2004.

Received Karl Mills Grant for interdisciplinary course development. Course entitled, *Valuation: Ethics and Economics in Practice*, with Frank Chessa, Philosophy, Summer 2001.

CCOFFE Participant: NSF funded mentoring workshop for junior faculty. Participated as a mentee, 1999. Invited panelist. *Teaching Environmental and Natural Resource Economics*. Southern Economics

Association annual meeting, Atlanta, 1997.

PROFESSIONAL SERVICE

Bates College

Chair: Committee on Environmental Responsibility: 2022-2023.

PEPC 2021-2022

Covid Finance Working Group, Spring 2020-Fall 2021

Co-Chair, College Reaccreditation, Standard 6, Teaching Learning and Scholarship, 2018-2020

Faculty Governance Review Committee: 2019-2021

Founder and Faculty Advisor to WE@Bates (Women in Economics) 2018-

Teaching and Learning Committee 2016-

Otis Committee 2016-2022

Environmental Studies Program Committee, 2000-2023

Committee on Faculty Governance 2010-2015 (co-chair 2012-2014)

Chair, Department of Economics, 2007-2014

Athletics Committee, 2011-2012 Sustainable Foods Committee 2008-2009

College Lectures Committee, 2007-2008 Bates Education Committee, 2005-2006

Elected to Coordinating Committee for General Education Reform, 2004-2005

Educational Policy Committee 2002-2004

Mellon Fellow Faculty Sponsor, Winter 2002 Honors Committee, 2001-2004

Presidential Inauguration Committee, May 2002-October 2002.

Association of Environmental and Resource Economists (AERE)

Board of Directors, Elected Nov 2018: 2018-2021

Mentoring Committee – Developed a new AERE Scholars program to enhance diversity 2020-

Selected 20 scholars and 20 mentors, developed and ran a mentoring training and kickoff DEI Committee

Outside Bates for Other Colleges

External Reviewer – Department of Economics, Clark University, April 2023

External Reviewer – Tenure, University of Wyoming. 2022.

External Reviewer – Tenure, Smith College, 2022.

Masters Committee, University of Georgia, 2020-2021.

External Reviewer – Claremont McKenna

External Reviewer – Tenure, Trinity University External Reviewer – Promotion, University of Missouri

External Review - William and Mary, Environmental Policy Program, January 2019. External Reviewer – Tenure review, Colorado State University.

External Review – Environmental Studies Program, Connecticut College. March 2017.

External Reviewer - Tenure case, Boston College, 2014 External reviewer - Tenure case at Oberlin, September 2012

External reviewer - Promotion case at Fairfield University, September 2012

Maine Water Conference, Chair of Student Poster Competition and Poster Judge, March 2012, 2018. External reviewer - Tenure case at Pomona College, Summer 2011

Universities Council of Water Resources (UCOWR)

Board of Directors, 1999-2005

Guest Editor, *Journal of Contemporary Water Research and Education*, July 2006 2005 Annual Meeting Program Chair

2004 Annual Meeting Program Committee 2002 Annual Meeting Organizing Committee
Guest Editor, *Water Resources Bulletin*, spring 2000-2001 Editorial Board, *Water Resources Bulletin*

Lead delegate, 1996-present Dissertation Awards Committee, 1999

Maine Audubon

Board of Directors, June 2010-2019

Natural Resources Council of Maine (NRCM)

Board of Directors, September 2003-October 2010

Senator George Mitchell Center for the Environment and Watershed Research, University of Maine

Research Advisory Board 2005-2011

Maine Ultimate

Board of Directors. Sept 2016-2022

Penobscot Science Steering Committee

Human Dimensions Representative 2006-2010

Androscoggin River Valley Watershed Council

Steering Committee, 2002-2006

Have served as Referee for:

Bureau of Reclamation

American Journal of Agricultural Economics

Land Economics

Review of Environmental Economics and Policy

Water Resources and Economics

Marine Resource Economics

National Science Foundation – review panel May 2013 and May 2014

Water Resources Research

Contemporary Economic Policy Land Use Policy

Journal of Economic Education Landscape and Urban Planning

Journal of the American Water Resources Association

Journal of Environmental Economics and Management

Journal of Environmental Management

American Journal of Agricultural Economics Resource and Energy Economics Environmental Management

South-Western Publishing Dryden Press

Natural Resources Council

U.S. EPA

New Hampshire Sea Grant Delaware Sea Grant Industrial Economics, Inc. Mountain Institute

NOAA

Professional Affiliations

Association of Environmental and Resource Economists (AERE)

Society for Benefit Cost Analysis (SBCA)

Universities Council on Water Resources (UCOWR)

Committee on the Status of Women in the Economics Profession (CSWEP) Natural Resources Council of Maine (NRCM)

Northeast Agriculture and Resource Economics Association (NAREA) American Economic Association (AEA)

Community Service

Faculty Liaison to Bates Women's Basketball. 2022-2023.

Faculty Liaison/coach to Bates Women's Ultimate Frisbee Team 2005-present. Faculty Liaison to Bates Men's Lacrosse. 2007-2015.

Board of Directors, Maine Ultimate, 2016-2022.

Volunteer for the Animal Refuge League of Greater Portland, September 2000-present.

Volunteer Business Manager for CoolestGame2002, video project fundraising for youth ultimate.