



John Daigle, Ph.D.

*Associate Professor of Forest Recreation Management, School of Forest Resources,
University of Maine*

Researcher, Sustainability Solutions Initiative

Profile:

John Daigle is a tribal member of the Penobscot Indian Nation and a program leader for the Parks, Recreation and Tourism program at the University of Maine. Throughout his career he has been fascinated by the connections people make with places and with the socio-cultural functions of outdoor activities that connect people, identity, and meaning. His research has focused on identifying these connections in order to assist with the management of outdoor recreation. This has involved examining ways to create bridges between educators, policy makers, stakeholders, and natural resource managers in order to facilitate planning around threats such as invasive species and climate change.

Daigle is involved with the SSI Emerald Ash Borer (EAB) project. His research team seeks to study and facilitate the ways that Wabanaki basket makers, tribes, state and federal foresters, university researchers, landowners, and others can come together to prevent, detect, and respond to the potential threat of the EAB in Maine. Daigle worked closely with members of the Maine Public Broadcasting Network to assist in the development of a television program for the SSI Emerald Ash Borer project. This included planning with the film crew for several field trips with basket tree harvesters, conducting discussions with the producer, and editing the television program script.

Daigle has also helped mobilize climate change planning by developing a framework for collaboration among various stakeholders and the Wabanaki Nations of Maine. In 2008, he became part of an interdisciplinary team of faculty at the University of Maine tasked with identifying potential climate scenarios and their probabilities for Maine for the remainder of the 21st century. Daigle led a team that explored the meaning of a changed environment as it relates to the Indigenous peoples of Maine.

John Daigle currently advises three Ph.D. students and two M.S. students. All students are fully or partially supported by extramural funds from the National Science Foundation, Department of Transportation, USDA Forest Service, and U.S. Fish and Wildlife Service. His most recent graduated Ph.D. student holds an Assistant Professor position at Marshall University. This continues a trend of students proceeding into faculty level positions at universities including Clemson, Plymouth State, University of Maine at Machias, and Radford.

In addition to his teaching and research duties, Daigle is on the editorial boards of Forest Science, Journal of Wildlife Management and Monographs, and International Journal of Wilderness. He is on the advisory board at Leonard's Mills and the Maine Forest and Logging Museum, and at Leave no Trace in Maine. In the summer of 2012, Daigle was an invited speaker at the inaugural meeting of the First Stewards Symposium at the Museum of the American Indian in Washington D.C. He also served as the review editor for a chapter on the impacts of climate change on indigenous communities across the United States in the upcoming 2014 National Assessment on Climate Change in the United States.

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Research Interests:

Cultural Impacts of Large-Scale Environmental Changes
Forest Resource Management
Sustainability Science
Outdoor Recreation Planning and Management
Social Research Methods for Natural Resource Professionals
Human Dimensions of Natural Resources Management



SSI Projects:

Mobilizing to Fight an Invasive Insect

Degrees:

University of Massachusetts,
Ph.D. (Forestry)

Colorado State University, M.S.
(Recreation Management and
Landscape Architecture)

University of Maine, B.S.
(Recreation and Parks Manage-
ment)

Media Expertise:

American Indians and Climate
Change

Indigenous Voices in Adapta-
tion Planning

Courses:

SFR 228: Forest Recreation Management

SFR 347/NAS 201: Native Americans and Climate Change

SFR 347/SFR 613: Environmental Attitudes and Behavior

SFR 480: Parks and Protected Areas Management

SFR 434: Recreation Site Planning and Management

SFR 491: Parks, Recreation and Tourism Capstone

Selected Publications:

Kathy Lynn, John Daigle, Jennie Hoffman, Frank Lake, Natalie Michelle, Darren Ranco, Carson Viles, Garrit Voggeser, and Paul Williams, "The Impacts of Climate Change on Tribal Traditional Foods," *Climatic Change* 120, no. 3 (2013): 545-556.

Garrit Voggeser, Kathy Lynn, John Daigle, Frank K. Lake, and Darren Ranco, "Cultural Impacts to Tribes from Climate Change Influences on Forests," *Climatic Change* 120, no. 3 (2013): 615-626.

Min-Kook Kim and John J. Daigle, "Monitoring of Vegetation Impact Due to Trampling on Cadillac Mountain Summit Using High Spatial Resolution Remote Sensing Data Sets," *Environmental Management* 50, no. 5 (2012): 956-968.

Darren Ranco, Amy Arnett, Erika Latty, Alysa Remsburg, Kathleen Dunckel, Erin Quigley, Rob Lillieholm, John J. Daigle, et al, "Two Maine Forest Pests: A Comparison of Approaches to Understanding Threats to Hemlock and Ash Trees in Maine," *Maine Policy Review* 21, no. 1 (2012): 76-89.

John J. Daigle, Lindsay Utley, Lisa C. Chase, Walter F. Kuentzel, and Tommy L. Brown, "Does New Large Private Landownership and Their Management Priorities Influence Public Access in the Northern Forest?" *Journal of Forestry* 110, no. 2 (2012): 89-96.

Min-Kook Kim and John J. Daigle, "Detecting Vegetation Cover Change on the Summit of Cadillac Mountain Using Multi-Temporal Remote Sensing Datasets: 1979, 2001, and 2007," *Environmental Monitoring and Assessment* 180, no. 1-4 (2011): 63-75.

Andrea J. Ednie, John J. Daigle, and Jessica E. Leahy, "Place Attachment on the Maine Coast: User Characteristics and Reasons for Visiting," *Journal of Park and Recreation Administration* 28, no. 1 (2010).

Jessica Leahy, Michael Shugrue, John Daigle, and Harold Daniel, "Local and Visitor Physical Activity Through Media Messages: A Specialized Benefits-Based Management Application at Acadia National Park," *Journal of Park and Recreation Administration* 27, no. 3 (2009).

John J. Daigle and D. Putnum. "The Meaning of a Changed Environment: Indigenous Peoples," in *Maine's Climate Future: An Initial Assessment*, eds. G.L. Jacobson, I.J. Fernandez, P.A. Mayewski, and C.V. Schmitt (University of Maine, 2009), 35 – 38.

John J. Daigle and C.A. Zimmerman. "Assessing the Effectiveness of Intelligent Transportation System Technology to Manage Visitor Use at Acadia National Park," in *Parks and People: Managing Outdoor Recreation at Acadia National Park*, ed. R.E. Manning (Burlington, VT: University Press of New England, 2009), 277 – 286.

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