

Dept. Natural Resource & Environmental
Management (NREM)
University of Hawai'i at Mānoa
1910 East-West Rd., Sherman Hall 237,
Honolulu, HI

Phone : 5412706885
Email: alowemac@hawaii.edu
Website:
<http://www2.hawaii.edu/~alowemac/>

ACADEMIC APPOINTMENTS

Assistant Professor Environmental Economist
University of Hawaii at Manoa (2024-present)
Dept. NREM, Non-Tenure

Postdoctorate Scholar
University of Hawaii at Manoa (2023)
Dept. NREM, [Kirsten Oleson ~ Oleson Lab](#)

EDUCATION

Ph.D. Applied Economics - Oregon State University (2023)
Dissertation: "Understanding the New Outdoor Recreation Paradigm in the Era of
Social Media and Increasing Public Health Advisories" [Link](#)

MS Applied Economics - Oregon State University (2020)

BS Economic - Portland State University (2010)

PUBLICATIONS

Lowe Mackenzie, A., S. J. Dundas, and B. Zhao. (2024) *The Instagram Effect: Is Social
Media Influencing Visitation to Public Land?* Land Economics. DOI :
<https://doi.org/10.3368/le.100.2.122920-0192R1>

Olsen, M. J., J Allan, S. J. Dundas, A. Lowe Mackenzie, M. Krivova, A. Senogles, B. A.
Leshchinsky, J. Hermann, and C. Parrish (2024). US Highway 101 Coastal Hazard
Vulnerability and Assessment for Mitigation Prioritization, Oregon Department of
Transportation Project, Federal Highway Administration, [Final Report](#)

WORKING PUBLICATIONS

Lowe Mackenzie, A., S.J. Dundas. Is a Photo Worth 1,000 Likes? The Influence of
Instagram at National Parks [Link](#)

Lowe Mackenzie, A., A. Dugstad & K. Oleson. The economic value of forest campsite
closures in Hawai'i [Link](#)

Lowe Mackenzie, A., S.J. Dundas & Dickson C. The Effects of Public Health Advisories
on the Value of Recreational Camping [Link](#)

Lowe Mackenzie, A., Perng L., A. Dugstad, Fezzi, C. & K. Oleson The economic value of coral reefs under future climate scenarios of coral reefs for the main Hawaiian Islands
[Link](#)

WORK IN PROGRESS

[First National Nature Assessment: Chapter Nature and the Economy](#) US Global Change Research Program. CoAuthor & Graphic Lead (Chapter Lead: Rajat Panwar, CoAuthors: Pamela Bachman, Uris Lantz Baldos, Marc Berejka, Brian Buma, Y. Allen Chen, Jaana Korhonen, Theresa Lieb, Jakki Mohr, Stephen Polasky, Anthony Rogers, Randy Rosenberger, John Whitehead)

The economic value of the Na Ala Hele Trail System in Hawaii: A case study using Mobility Data (Melissa Price, Kirsten Oleson)

Revealing the value of coral reefs in Hawaii from tourism (Kirsten Oleson)

Estimating the Impacts of Removing Oregon's Severance Tax on Large Industrial Timber Harvesting

PROFESSIONAL DEVELOPMENT

Social Justice Education Initiative Training –Professional Development (2020)
Graduate Teaching Training – OSU (2020)

PROFESSIONAL SERVICE

Reviewer: AAEA Abstracts 2024-2025, AERE Abstract 2025, JPRA Reviewer (1),
Tourism Geography Reviewer (1),

TEACHING

Instructor

University of Hawai'i at Māona

- NREM 691 Valuing Nature (*Developed*)
- ECON/NREM 429 Spreadsheet Modeling for Business and Economic Analysis
- NREM 494 Environmental Problem Solving Capstone

Western Oregon University

- SUS 390 Global Climate Change
- SUS 340 Sustainability & Capitalism *eCampus*

Oregon State University

- AEC 253 Environmental Law, Policy and Economics *eCampus*

Guest Lectures

- NREM 600 Foundations of Natural Resource and Environmental Management and Policy
- NREM 301 Natural Resources Management

Graduation Teaching Assistant

- AEC 253 Environmental Law, Policy and Economics *eCampus*
- AEC 525 Applied Econometrics
- AEC 447 Agriculture Price and Market Analysis
- AEC/ECON 432 Environmental Law *eCampus* & On-campus
- AEC 388 Agricultural Law *eCampus* & On-campus
- AEC/ECON 352 Environmental Economics and Policy
- SUS 350 Sustainability Communities (3quarters) *eCampus*
- SUS 304 Sustainability Assessment (3quarters) *eCampus*
- AEC 253 Environmental Law, Policy and Economics (3quarters) *Ecampus* & On-campus
- AEC 122 Introduction to Climate Change Economics and Policy *Ecampus* & On-campus

CONFERENCE PRESENTATIONS

2025: Anticipated: Society for Benefit-Cost Analysis (SBCA) - Environmental Valuation
John Whitehead, Appalachian State University
Multistate Research Projects: W5133: Economic Valuation and Management of
Natural Resources on Public and Private Lands

2024 : WEAI Summer Conference (Seattle, WA)
2nd Marine Socio-Ecological Systems Symposium – (Japan)
AERE Summer Conference (DC, USA)

2023: Camp Resources (Ashville, NC)
2020: People and Nature at Oregon State (Online)

GRADUATE ADVISING**Committee Member**

Current: Helen Hastedt: Tourism Impacts in Hawaii (MS. exp. 2026)
Ruivaldo Cristalliano Freitas Viana: Willingness to Pay for Sustainable Trails (MS. exp. 2026)
Zoe Sidana Bunnath: Ecosystem Services in the context of Cambodia (MEM exp. 2026)

UNIVERSITY SERVICE

Dept. NREM, Search Committee (2024)

PROFESSIONAL ASSOCIATION MEMBERSHIPS

- *Association of Environmental and Resource Economists
- *Multistate Research Projects: W5133: Economic Valuation and Management of Natural Resources on Public and Private Lands
- *Society of Benefit Cost Analysis

SELECTED MEDIA COVERAGE

[Podcasts and Radio Interviews Does Instagram lead to overcrowding in Oregon Parks?](#) Peak Northwest podcast, December 2023.

[How much can we blame Instagram for overcrowding in Oregon Parks?](#) The Oregonian, October 2023.

[Is Instagram making the great outdoors more crowded?](#) Oregon Public Broadcasting, October 2023.

REFERENCES

[Dr. Steven Dundas](#)

Department of Applied Economics –
Oregon State University
Phone: (541) 737-1402
Advisor Chair & CoAuthor

[Dr. Ashley D'Antonio](#)

Department of Forest Ecosystems &
Society – Oregon State University
Phone: (541) 737-5043 Committee
Member, Advisor for recreation ecology
concentration

Dr. [Anders Dugstad](#)

Norwegian University of Life Sciences–
PostDoctoral – Environmental Econ.
Phone: 67231195 CoAuthor
anders.dugstad@nmbu.no

[Dr. Nadia A. Streletskaya](#)

Department of Applied Economics –
Oregon State University Phone: (347)
735.1787 Advisor for behavioral
economics concentration

Dr. [Kirsten Oleson](#)

University of Hawaii at Manoa Professor –
Ecological Economist
Phone: 808-956-8864
koleson@hawaii.edu