

LILIANA CAUGHMAN [LC]

4821 SE 59th Ave, Portland OR, 97206 | 503-209-9275 | Liliana.Caughman@gmail.com | LilianaCaughman.com

EDUCATION

Portland State University	
PhD in Earth, Environment, & Society	2020
Evergreen State College	
Master of Environmental Studies	2017
University of California, Berkeley	
Bachelor of Arts, Physics	2014
Santa Barbara City College	
Associates of Science and Mathematics	2012

CURRENT POSITIONS

Climate Policy Planning Aide, *City of Portland Bureau of Planning and Sustainability*

Research & Partnerships Coordinator - Graduate Research Assistant, *Institute for Sustainable Solutions*

PROFESSIONAL EXPERIENCE

<i>Nisqually Indian Tribe</i>	
Food Sovereignty Assessment Consultant	2016 - 2017
<i>Northwest Indian College</i>	
Adjunct Faculty Mathematics & Science	2015 – 2018
<i>Sustainability in Prisons Project – Evergreen State College & WDOC</i>	
Graduate Student Researcher & Program Coordinator	2015 – 2017
<i>DNV GL – Renewable Energy North America</i>	
Wind Energy Analyst	2014 – 2015
<i>Center for Energy Efficient Electronics Sciences – NSF & UC Berkeley</i>	
Assistant Program Manager	2012 – 2014
<i>Scripps Institution of Oceanography - UC San Diego</i>	
Undergraduate Research Fellow	2013 – 2014
<i>Physics Department - Santa Barbara City College</i>	
Student Assistant	2010-2012

TEACHING EXPERIENCE

- Northwest Indian College:** Adjunct Faculty – Science and Mathematics (2015 – present)
- South Puget Sound Community College:** Graduate Teaching Assistant – Oceanography (Winter 2016)
- Sustainability in Prisons Project:** Educator – Topics in Sustainability & the Environment (2015 – 2017)
- UC Berkeley – Center for E3S:** Educator & Mentor - Topics in research skills & scientific communication (2012 – 2014)
- Santa Barbara City College Achievement Zone:** Student Athlete Tutor – Mathematics & Sciences (2010-2012)

AWARDS & HONORS

Evergreen Graduate Sustainability Fellowship Recipient | NSF GRFP Honorable Mention | Emory Pyle Scholarship Award | UC Berkeley Shinnyo-en Fellow | Western State Conference Scholar Athlete Award | Laurie Converse Scholar | Gregory Scholarship Recipient | Phi Theta Kappa Honor Society | Captain: College Ethics Bowl Team |

RELEVANT COURSEWORK AND SKILLS

Programs: Tableau, ArcGIS, LaTeX, Matlab, Excel, JMP Statistical Analysis, Powerpoint, Photoshop

Courses Taken: Urban Landscapes, Science Communication, System Dynamics, Digital Image Analysis, Environmental Justice Theory, Climate Resiliency Planning, Collaborative Governance, Ecological & Social Sustainability, Research Design & Quantitative Methods, Energy Policy Analysis, Human Ecology, Climate Science, Biogeochemistry, Environmental Education, Programming for Engineers, Quantum Mechanics, Advanced Experimentation Lab, Linear Algebra, Differential Equations (w/PDE), Semiconductor Circuits Lab, Shinnyo-en Fellow Leadership Course

Skills: Strong in interdisciplinary research, interpersonal communication, teaching, leadership, public speaking, presentations, writing, editing, setting and reaching goals, planning, accountability, and networking. **Analytical and creative minded.**

PUBLICATIONS

Refereed Articles and Book Chapters

(in development) Caughman (2020). A formative evaluation framework for transformational sustainability partnerships. *American Journal of Evaluation*

(in development) Caughman, Keeler, Beaudoin (2020). CapaCities: Global City University Partnerships for Transformative Sustainability and the Partnership Project Cycle. *Cleaner Production*.

(in development) Keeler, Beaudoin, Caughman (2020). The Projectification of Sustainability Science. *Sustainability*

(in review) Shandas, V., Matsler, M., Caughman, L. (2019). Towards the Implementation of Green Stormwater Infrastructure: Perspectives from municipal managers in the Pacific Northwest. *Journal of Environmental Management Practices*.

(in review) Caughman, L., Shandas, S. (2019). Integrating Environmental Assessments and Scenarios into Municipal Planning: The role of resilience workshops. Book chapter. *Environmental Assessments – Scenarios, Modeling, and Policy*.

Trivett, J. R., Pinderhughes, R., Bush, K., Caughman, L., & LeRoy, C. J. (2017). Sustainability Education in Prisons: Transforming Lives, Transforming the World. In *EarthEd* (pp. 237-247). Island Press, Washington, DC.

Caughman, L. E. (2017). Tribal College Student Perspectives: Sustainability Education Curriculum in STEM (Master's Thesis, Evergreen State College).

Caughman, L. E. (2017). Sustainability education: how evolving STEM benefits underserved populations. *Interdisciplinary Environmental Review*, 18(3-4), 203-219.

Reports and White Papers

Caughman, L. (2018). Deep Direct Thermal Energy Storage Environmental Regulations Report. Completed for the Bureau of Planning and Sustainability, USGS, and DOE, July 2018.

Caughman, L. et al. (2018). Resilience Infrastructure Planning Exercise (RIPE) Summary of Findings. Report prepared for City of Portland, June 2018. https://www.pdx.edu/sustainability/sites/www.pdx.edu.sustainability/files/iss/ripe-report_web-final.pdf

Caughman, L. et al. (2017). City of Portland 2016 Building Energy Performance Reporting Results. Report prepared for Portland Bureau of Planning and Sustainability, October 2017. <https://www.portlandoregon.gov/bps/article/656939>

Caughman, L. (2017). The Value of Parks in Post-Disaster Recovery. Literature review prepared for the Portland Bureau of Parks and Recreation, October 2017).

Caughman, L. et al. (2017). Green Building Policy Cost Assessment. Report prepared for the Portland Housing Bureau and Portland City Council, December 2017.

Caughman, L. et al. (2017). Nisqually Food Sovereignty Assessment. Report prepared for Nisqually Indian Tribe, July 2017. <http://www.nisqually-nsn.gov/files/5815/1076/7612/NisquallyFoodSovereigntyAssessmentReport2017.pdf>

Caughman, L (2017). Sustainability in Prisons Project Environmental Education Program Assessment. Completed for the Washington Department of Corrections (WDOC) and SPP, April 2017.
<http://sustainabilityinprisons.org/blog/2017/04/17/what-do-the-students-get-from-spp-lectures-part-three/>

Non-refereed and Popular Publications

Caughman, L (2017). *Portland Urban Landscapes: then and now*. Blog post, 2017.
<https://lilianacaughman.com/2017/11/18/portland-landscapes-then-and-now/>

Caughman, L (2017). *Sustainability in Prisons Project Environmental Education Blog Series*. Completed for the Washington Department of Corrections (WDOC) and SPP, 2016-2017.
<http://sustainabilityinprisons.org/blog/author/caughmal/>

PROFESSIONAL & SCHOLARLY ENGAGEMENT

2019

Workshop on Formative Evaluation of City-University Partnerships for Sustainability: International perspectives
Contributor, Leverage Points Conference, Leuphana University, Germany, February 2019

2018

GCSO CapaCities Workshop Session

Organizer and contributor, Barcelona, Spain, December 2018

Building effective city-university partnerships for accelerating resilience implementation

Panel presentation, International Forum on Urbanism: Reframing Urban Resilience Conference, International University of Catalonia (UIC), December 2018.

Content Analysis: Portland Community Equity Priorities and the Climate Action Plan

Analysis and presentation completed for the Portland Bureau of Planning and Sustainability, October 2018.

GCSO CapaCities Workshop Session

Organizer and contributor, Leuphana University, Luneburg, Germany, June 2018.

Portland Parks and Extreme Environmental Events

Presentation given 8 times to each working group at the Portland Bureau of Parks and Recreation, Spring 2018.

Washington Oregon Higher Education Sustainability Conference (WOHESC)

Attendee, Portland State University, February 2018.

2017

Resilient Infrastructure Planning Exercise

Organizer and participant for inter-bureau planning workshop series with the City of Portland, November 2017.

Interdisciplinary Problem-Solving Project for the Diverse Science Classroom

Presentation at *Teaching in an age of climate consequences* conference and faculty learning community, May 2017.

What is "Just Sustainability"?

Talk and workshop given at two prisons as part of the Sustainability Lecture Series, March 2017.

2016

Diversity in STEM and Sustainability Education.

Oral presentation at Just Sustainability Conference, Seattle University, July 2016.

The Sustainability in Prisons Project Lecture Series: Lesson Learned

Presentation given to Washington Department of Corrections Staff, February 2016.

2015

Sustainability in Prisons Project: Unlikely Partnerships

Lunchtime talk at the Washington State Department of Ecology, 2015.

2014

Research Experiences for Undergraduates

Panelist and speaker at UC Berkeley summer research welcome day, 2014.

Glacial Earthquake Literature Review

Seminar presentation at the UC Berkeley Seismology Lab and "Earthquake of the Week" core team, 2014.

Earthquake of the Week: USGS Data Watch

Seminar presentation at the UC Berkeley Seismology Lab and "Earthquake of the Week" core team, 2014.

2013

The Sahel Region of Africa: A Positive Feedback System

Poster presentation American Geophysical Union Conference, 2013.

STUDENT RESEARCH PROJECTS ADVISED**Northwest Indian College:**

Jessica Jack, BA in Native Environmental Science, 2020

"Climate Change Impacts on Traditional and Accustomed Huckleberries Harvesting Locations"

James McClous, BA in Native Environmental Science, 2021

"Nisqually Fisheries and Wildlife Impacts"

Portland State University:

Ellen Palmquist, MURP, 2019

"Portland Parks and Recreation Employee Perspectives on Resiliency Planning and Implementation"

Devin Wark, Master of Science in Economics, 2019

"Economic Impact Assessment for East Portland Community Center Earthquake Resilience"

COURSES TAUGHT**Math Courses:**

Math 70 - Intro to Quantitative Reasoning (NWIC 2016-2018)

Math 98/99 - Pre-Algebra for College Students (NWIC 2016-2018)

Math 102 - College Algebra (NWIC 2016-2018)

Interdisciplinary Science Courses:

Environmental Science 201 – Northwest Ecosystems (NWIC 2019)
Biology 111 - Finding things out in Life Sciences & Sustainability (NWIC 2016-2018)
Geology 101 - Intro to Earth Science & Local Geology (NWIC 2016-2018)
Oceanography 100 – Intro to Oceanography (SPSCC 2016)

Native Science Courses:

NTSC 100 – Intro to Food Sovereignty (NWIC 2017)
NTSC 71/72/71 – Capstone Projects in Native Environmental Science (NWIC 2019)

Mentoring & Internship Courses:

Climate Action Internship (PSU 2017-2018)

MEMBERSHIPS

Global Consortium for Sustainability Outcomes | UREx Sustainability Research Network | Association for Women in Science