

Cleo Woelfle-Erskine
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EDUCATION

UC President's Postdoctoral Scholar, **University of California, Santa Cruz**, Feminist Studies.
7/1/2016-6/30/2017

Postdoctoral Researcher, **University of California, Berkeley**, Carlson Lab, Environmental Science, Policy, and Management, 6/1/2015-6/30/2016 (on leave 2/1/2016-5/31/2016).

Ph.D. University of California, Berkeley

Energy and Resources Group, May 2015, high honors.

Watershed Collaborations: Entanglements with common streams

Isha Ray and Stephanie Carlson (co-chairs), Laurel Larsen, Jeff Romm, Kimberly TallBear
Examination fields: Feminist Science and Technology Studies, Watershed Governance,
Environmental Politics, Eco-hydrology

M.S. University of California, Berkeley

Energy and Resources Group, 2012, high honors.

The 'how much' and 'why' of household water use: Investigating waste during a transition from intermittent to continuous water service in Hubli-Dharwad, India

Isha Ray and Kara Nelson (co-chairs)

Concentrations: Water and Development, Household Water Practice, Social Science

B.S. University of Montana

Interdisciplinary Geosciences, 2009, high honors.

History and uncertainty in post-Milltown Dam restoration on the Clark Fork River, Montana

Concentrations: Fluvial Geomorphology, Ecology, Environmental Policy

EMPLOYMENT

Assistant Professor, School of Marine and Environmental Affairs, University of Washington,
June 2017-Present

AWARDS AND GRANTS

UC President's Postdoctoral Fellowship, 2016-17. (\$50,000).

Society for Social Studies of Science Making and Doing Award, 2015, for "Tell a Salmon".

Institute for Advanced Studies at Science and Technology Fellowship, 2016, Institute of Science,
Technology and Society Studies of Alpen-Adria-Universitaet Klagenfurt/Vienna/Graz.

National Science Foundation Doctoral Dissertation Research Improvement Grant, Directorate for
Geography and Spatial Sciences, 2014-5. (\$16,000)

National Science Foundation Graduate Research Fellowship, 2011-4. (\$94,000)

Morris K. Udall Environmental Scholarship, 2008. (\$5000).

National Science Foundation EPSCoR Undergraduate Research Award, 2008.

ACADEMIC PUBLICATIONS

- Woelfle-Erskine, C.** In press. The watershed body: Transgressing frontiers in riverine sciences, planning stochastic multispecies worlds. *Catalyst*, Special Issue: Feminist Theory Out of Science.
- Woelfle-Erskine, C.** In review. Settler sexualities in and through fish culture. *Imaginations*, Special Issue: Critical Relationality: Indigenous and queer belonging beyond settler sex and nature.
- Woelfle-Erskine, C.** 2017. Collaborative approaches to flow restoration in intermittent salmon-bearing streams: Salmon Creek, CA, USA. *Water*, Special Issue: Variability in Mediterranean-Climate Waters: Space, Time, and Intensity. doi: 10.3390/w9030217
- Woelfle-Erskine, C.,** Laurel G. Larsen, Stephanie M. Carlson. 2017. Abiotic habitat thresholds for salmonid over-summer survival in intermittent streams. *Ecosphere*. doi: 10.1002/ecs2.1645
- Woelfle-Erskine, C.** and J. Cole, 2015. Transfiguring the Anthropocene: Stochastic re-imaginings of human-beaver worlds. *Transgender Studies Quarterly*, Special Issue: Transimacies. doi: 10.1215/23289252-2867625
- Woelfle-Erskine, C.** 2015. "Connecting rain to taps and drains to gardens: Emerging cultural waterscapes in California cities." in Lassiter, A. ed., *The Sustainable Water Reader: Lessons from California for the 21st Century*, University of California.
- Woelfle-Erskine, C.** 2015. "Rain tanks, springs, and broken pipes as emerging water commons along Salmon Creek, CA, USA." *ACME: An International E-Journal for Critical Geographies*, Special Issue: Researching household water practices.
- Woelfle-Erskine, C.** 2014. "Thinking with salmon about rain tanks: commons as intra-actions." *Local Environment*, Special Issue: Rainwater practices and management in a variable climate. doi: 10.1080/13549839.2014.969212
- Woelfle-Erskine, C.,** A. C. Wilcox, and J. N. Moore. 2012. "Combining historical and process perspectives to infer ranges of geomorphic variability and inform river restoration in a wandering gravel-bed river." *Earth Surface Processes & Landforms*. doi: 10.1002/esp.3276.

PUBLICATIONS IN PREPARATION

- Michael T. Bogan, **Cleo Woelfle-Erskine**, Stephanie M. Carlson. Sensing ecological responses to rivers running dry. In preparation for *Frontiers in Ecology and Evolution*.
- Woelfle-Erskine, C.,** J. Weir, S. Fuller, S. Diver, D. Sarna. "Unruly resources and deviant citizens: reports from doctoral fieldwork with Indigenous communities in settler-colonial societies." In preparation for *ACME: An International E-Journal for Critical Geographies*.
- Woelfle-Erskine, C.** and D. Sarna. Beaver Believers, Beaver Deceivers, and other entanglements with ground and surface water. In preparation for *Social Studies of Science*.

INVITED TALKS, WORKSHOPS, AND PANELS

- National Marine Fisheries Service, Santa Rosa. Flow Enhancement for Salmon workshop, September 28, 2016. Invited speaker, "Water quality controls on salmonid survival during drought".

Undisciplined Environments conference, ENTITLE Political Ecology Network, Stockholm, Sweden, March 4 2016. Panel co-organizer, “Who Will Queer Political Ecology?”

California Studies Conference – Parched: Dry Times in the Golden State, University of San Francisco, San Francisco, CA. Panelist on “Is California drying up? Policy interventions, past, present, and future”, October 24, 2015.

California Chapter Meeting of the Society for Freshwater Science, Davis, CA. Panel organizer, “Juvenile salmonids in intermittent streams”, October 21, 2015.

California Academy of Sciences, San Francisco, CA. Coastal NightLife, September 24, 2015.

UC Berkeley Department of Geography Colloquium. “Salmon and People in Drying Streams: Tracing Flow Through Multispecies Communities Along a California Coastal Stream”. Berkeley, CA, September 9 2015.

UC Berkeley annual Ph.D. / Postdoc Colloquium, Panelist on collaborative research: “Let's Do Something Together!” Berkeley, CA, September 1, 2015.

Joseph A. Myers Center for Research on Native American Issues workshop co-convenor, “Unusual Resource Use and Deviant Citizens”, University of California, Berkeley, May 5 2014.

University of Arizona / Marine Biological Laboratory workshop participant, “History of Sustainability Science”, Woods Hole, MA, May 11-16 2013.

UC Berkeley College of Environmental Design Colloquium, Berkeley, CA, November 2, 2012.

Colorado School of Mines Humanitarian Engineering Program, Golden, CO, April 3, 2008.

Public Officials for Water and Environmental Responsibility, Los Angeles, CA, May 1, 2005

ACADEMIC PRESENTATIONS

Woelfle-Erskine, C., Laurel G. Larsen, Stephanie M. Carlson. “Groundwater’s role in mediating juvenile over-summer survival: flow and dissolved oxygen in extreme drought.” American Fisheries Society annual meeting, Portland, OR, August 17, 2015.

Woelfle-Erskine, C., Laurel G. Larsen, Stephanie M. Carlson. “Quantifying abiotic habitat characteristics to determine thresholds for salmonid over-summer survival in intermittent streams.” Cal-Neva chapter meeting of the American Fisheries Society, Santa Cruz, CA, April 10, 2015.

Woelfle-Erskine, C., Laurel G. Larsen. “Influence of intermittent stream connectivity on water quality and salmonid survivorship. American Geological Union annual meeting, San Francisco, CA, December 17, 2015.

Woelfle-Erskine, C. and J. Cole. “Trans-species improvisation at riparian frontiers.” National Women’s Studies Association, San Juan, Puerto Rico, November 15, 2014.

Woelfle-Erskine, C. “Mobilizing local knowledge and expert science in beaver-salmon worlds: Cases from California.” Society for the Social Studies of Science, Buenos Aires, Argentina, August 20, 2014.

Woelfle-Erskine, C., J. Hildebrand, L. L. Larsen, S. M. Carlson. “Quantifying abiotic habitat characteristics to determine thresholds for salmonid over-summer survival in intermittent streams” (poster). Ecological Society of America, Sacramento, CA, August 15, 2014.

Woelfle-Erskine, C. “Friction and entanglements in governance of salmon streams.” Association of American Geographers, Tampa, FL, April 9, 2014.

- Woelfle-Erskine, C.** and D. Sarna. “The Manifest Reversals of multi-species watershed collaboration.” *Dimensions of Political Ecology*, Lexington, KY April 1, 2014.
- Woelfle-Erskine, C.**, S.M. Thompson. “Integrating terrestrial laser scanning and repeat field measurements to quantify habitat changes during baseflow recession,” Abstract EP41E-05, American Geophysical Union fall meeting, December 9, 2013.
- Woelfle-Erskine, C.** “Sustainability for salmon? Climate adaptation in coastal California” University of Arizona / Marine Biological Laboratory Workshop on the History of Sustainability Science, Woods Hole, MA, May 11-16, 2013
- Woelfle-Erskine, C.** and D. Sarna. “Dam ‘em all: Beaver believers, beaver deceivers, and other watershed entanglements.” *Funny Kinds of Love*, Center for Science, Technology, Medicine, and Society, UC Berkeley, May 9, 2013.
- Woelfle-Erskine, C.** “Finding commons at the human-water interface,” *Tapping the Turn: Water’s Social Dimensions*, Canberra, Australia, November 16, 2012.
- Woelfle-Erskine, C.**, A. Merenlender. “Do Salmon Want Humans to Catch More Rain? A GIS Exploration,” (poster) SCBNA Ann. Meet. 2012, Abstract 471.
- Woelfle-Erskine, C.**, Z. Burt. “From intermittent to 24/7: Complicated effects and conflicting perspectives,” *Paradigms for Water, Sanitation & Hygiene for the 21st Century S. Asian City*, UC Berkeley Center for S. Asian Studies, April 25, 2012.
- Woelfle-Erskine, C.** “Investigating water waste under intermittent water supply in India”. Stanford Water Health & Development Workshop, April 15, 2011.
- Woelfle-Erskine, C.**, A.C. Wilcox, 2009. “Historical perspectives on channel pattern in the Clark Fork River, Montana and implications for post-dam removal restoration,” (poster) *EOS Trans. AGU*, 90(52) Fall Meet. Suppl., Abstract EP21B-0593.
- Wilcox, A. C., D. Brinkerhoff, **C. Woelfle-Erskine**. 2008. “Initial geomorphic responses to removal of Milltown Dam, Clark Fork River, Montana, USA.” *EOS Trans. AGU*. 89(53) Fall Meet. Suppl. Abstract H41I-07.
- Woelfle-Erskine, C.** 2008. “Historical analysis of reference conditions and channel evolution near Milltown Dam, Clark Fork River, Montana, USA.” University of Montana Conference of Undergraduate Research, April 4, 2008.

UNIVERSITY AND OTHER TEACHING

Instructor of record

“From Dams To Graywater: California Water Transitions”, Environmental Science, **Merritt College**, 2004.

Investigatory pragmatics and poetics enacting sci-fi. Environmental Science, Policy, and Management DECal course, **UC Berkeley**, 2012.

Graduate student instructor

“Bioethics and Society”, Environmental Science, Policy, and Management, **UC Berkeley**, 2014.

“Resources and Environmental Policy”, Environmental Sciences, Policy, and Management, **UC Berkeley**, 2011.

“Master's Research Seminar”, Energy and Resources Group, **UC Berkeley**, 2013.

Postdoctoral assistant instructor

“Science and the Body”, Feminist Studies, **UC Santa Cruz**, 2017.

Guest lecturer

“Ecology and Society”, Energy and Resources Group, **UC Berkeley**, 2014.

“Leadership, Conflict Resolution, and Community Development”, Masters of Development Practice, **UC Berkeley**, 2015.

“California Water”, Energy and Resources Group, **UC Berkeley**, 2015.

“Climate Change: The politics of food, water, and energy, **International Honors Program**, 2015.

K-12

East Bay Academy for Young Scientists, Lawrence Hall of Science, UC Berkeley, Science Instructor in Oakland high school classrooms, 2009-10.

MetWest High School, Oakland, CA, Environmental Science Instructor 2005-06

TEACHING INTERESTS

Aquatic Ecology: Field and laboratory investigations of fish, streamflow, and water quality

Environmental Monitoring and Data Analysis

Human Relations with Water and Aquatic Ecosystems

Indigenous and Environmental Justice Perspectives on the Science and the Environment

POPULAR PUBLICATIONS

Woelfle-Erskine, C. and A. Uncapher. *Creating Rain Gardens*. Portland, Oreg.: Timber Press, 2012.

Woelfle-Erskine, C. “Between Storms” in N. Antebi and E. Baxter-Blader, eds.

Water, CA. [online catalog for museum exhibition]. www.waterca.org.

Woelfle-Erskine, C. “Riparian Repair” in *High Country News*, August 25, 2008. Analysis of restoration and remediation projects on the Clark Fork River, Montana.

Woelfle-Erskine, C., J.O. Cole, L. Allen, eds. *Dam Nation: Dispatches from the Water Underground*. New York: Soft Skull, 2007.

Woelfle-Erskine, C., J.O. Cole, “Rebuilding on Poisoned Ground”, *ColorLines*, Spring 2006.

Ramos, P., A. Deen, A. Vanderwarker, **C. Woelfle-Erskine**, *Thirsty for Justice: A People’s Blueprint for California Water*, The Environmental Justice Coalition for Water, 2005 (ejcw.org).

Woelfle-Erskine, C., K. Lydersen, “Drying Up: The Water Privatization Pandemic” in *LiP*, Summer 2004.

Woelfle-Erskine, C. *Sink or Swim: A History of Sausal Creek* Oakland: water/under/ground publications, 2004.

Woelfle-Erskine, C., Lanza, D., eds. *Calling Nature Home: Restoring Environmental Justice in an Urban Wetland* San Francisco: Literacy for Environmental Justice, 2003. (curriculum).

SELECTED PROFESSIONAL EXPERIENCE

Editorial Assistant, **Environmental Justice Coalition for Water**, Oakland, CA, 2005

Coauthored and edited the report Thirsty for Justice: A People's Blueprint for California Water

Heron's Head Park Naturalist, **Literacy for Environmental Justice**, San Francisco, CA, 2002-03
Lead research, restoration and environmental education programs for 2,000 youth and 600 adults. Mentored interns from CCSF's Center for Habitat.

PROFESSIONAL AFFILIATIONS

American Geophysical Union
Ecological Society of America
Association of American Geographers
National Women's Studies Association
Society for the Social Studies of Science

UNIVERSITY PROFESSIONAL SERVICE

Co-founder, Watershed Governance Graduate Student Conversation Group, UC Berkeley
Co-founder, Terrestrial Laser Scanning Association, UC Berkeley
Member, Admissions Committee, Energy and Resources Group, UC Berkeley
Member, Space Committee, Energy and Resources Group, UC Berkeley
Student liaison, Energy and Resources Group faculty search for Assistant Professor in Environmental Economics, 2013

LANGUAGES

English: native speaker
Spanish: advanced conversation, reading and writing proficiency