

# DR. EMMA S. NORMAN

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Native Environmental Science  
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## EDUCATION

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- 2003-2009 Ph.D., Geography, The University of British Columbia, Vancouver, British Columbia
- 1999-2001 M.Sc., Geography, Western Washington University, Bellingham, Washington, USA
- 1991-1995 B.A., International Studies, Colby College, Waterville, Maine, USA

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## EMPLOYMENT

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- 2014-current Department Chair, Native Environmental Science, Northwest Indian College
- 2012-2014 Assistant Professor, Geography, Department of Social Sciences, Environmental and Energy Policy Program, Michigan Technological University
- 2002-2012 Faculty, Native Environmental Science Department, Northwest Indian College
- 2001-2003 Lecturer, Huxley College of the Environment, Western Washington University
- 1997-1999 Land Acquisition Specialist, The Conservancy of Southwest Florida, Naples, Florida
- 1995-1997 U.S. Peace Corps Volunteer, Department of Parks and Wildlife, Mzuzu, Malawi

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## RESEARCH GRANTS (Selected)

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- 2017-2022 National Science Foundation. “Building our Net: Fostering Resilient Indigenous Scientists and Increasing Undergraduate Retention in the STEM Field through Scholarships and Mentoring.” PI: E.S. Norman (\$1,161,621)
- 2016-2021 National Science Foundation. “Evaluating the Impacts of Cross-Curricular, Place-Based Pedagogy to Enhance Student Success”. PI: E.S.Norman (\$2,449,999)
- 2016-2020 National Science Foundation. “Collaborative Research: Partnerships for Geoscience Education: Bridging Shared Waters for Geoscience Studies PI: E. S. Norman, \$825,000 (in partnership with Western Washington University \$1,625,000 total)

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## AWARDS AND HONOURS (Selected)

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- 2015 Julian Minghi Distinguished Book Award for best book of the year in the field of Political Geography. American Association of Geographers. Chicago, Illinois
- 2013 *Area* – Royal Geographic Society – “Who's counting? Spatial politics, ecocolonisation and the politics of calculation in Boundary Bay” recognized as a significant contribution in the field of geography and included in the special issue: *New geographical frontiers*.

## GRADUATE STUDENTS SUPERVISED

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- 2016 Valoree Gagnon, PhD, Environmental and Energy Policy, Michigan Tech University  
2014 Amanda Krueze, MS, Environmental and Energy Policy, Michigan Tech University  
2014 Naima Khan, MS, Environmental and Energy Policy, Michigan Tech University

## PUBLICATIONS – BOOKS

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- Norman, E S. 2015. *Governing Transboundary Waters: Canada, the United States, and Indigenous Communities*. London: Routledge, Earthscan Series of Water Resource Management.  
Norman, E S., Cook, C., and Cohen, A. (eds). 2015. *Negotiating Water Governance: Why the Politics of Scale Matter*. London: Ashgate Press. February 2015.  
Norman, E. S., Cohen, A. and Bakker, K. (eds). 2013. *Water without Borders? Canada, the United States and Shared Waters*. Toronto: University of Toronto Press.

## REFEREED JOURNAL ARTICLES (Selected)

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- Norman, Emma S. 2019. Finding Common Ground: Negotiating Downstream Rights to Harvest with Upstream Responsibilities to Protect—Dairies, Berries, and Shellfish in the Salish Sea. *Global Environmental Politics*. Volume 19(3): 77 -97  
Cavazos Cohn, T.; Berry, K.; Powys Whyte, K.; Norman, E. 2019. Spatio-Temporality and Tribal Water Quality Governance in the United States. *Water*. 11(99): 2-14.  
Norman, Emma S. 2018. Toward a Global Water Ethic: Learning from Indigenous Communities' Connection to Water. *Ethics and International Affairs*. Volume 32 (2): 237-247.  
Cohen, A. and Norman E.S. 2018. Renegotiating the Columbia River Treaty: Transboundary governance and Indigenous Rights. *Global Environmental Politics*. 18(4): 4-24.  
Perlinger, J.A., Urban, N.R., Giang, A., Selin, N.E., Hendricks, A.N, Zhang, H, Kumar, A., Wu, S, Gagnon, V.S., Gorman, H.S., and Norman, E.S. 2018. Responses of deposition and bioaccumulation in the Great Lakes region to policy and other large-scale drivers of mercury emissions. *Environmental Science: Processes and Impacts*. 20: 195-209.  
Norman, Emma S. 2017. Standing up for Inherent Rights: The role of Indigenous-led Activism in Protecting Sacred Waters and Ways of Life. 30(4): 537-553. *Society & Natural Resources*.  
Gagnon, V., Gorman, H., Norman, E. 2017. Power and politics in research design and practice: Opening up space for social equity in interdisciplinary, multi-jurisdictional, and community-based research. *Gateways: International Journal of Community Research*, 10:164–184.  
Norman, Emma S. 2017. Water, Fish, and Power in the Salish Sea Basin: Indigenous Treaty Rights and Water Politics in the Anthropocene *Geopolitics*. 22(2): 1-28.  
Gorman, H. S., Gagnon, Valoree S, and Norman, E.S. 2016. Local impacts, global sources: The governance of boundary-crossing chemicals. *Chemistry and Global History*. 54(4): 443-459.  
Perlinger, Judith, Gorman, Hugh. Norman, Emma S., Obrist, Daniel, Selin, Henrik., Selin, Noel., Urban, Noel. and Wu, Shialang, 2016. Measurement and Modeling of Atmosphere-Surface Exchangeable Pollutants (ASEPs) To Better Understand their Environmental Cycling and Planetary Boundaries. *Environmental Science and Technology*. 8392-8394.  
Norman, Emma S. and Bakker, Karen. 2015. Do good fences make good neighbours? Canada-United States transboundary water governance, the Boundary Waters Treaty, and 21st century challenges. *Water International*. 40(1): 199-213