

Valoree S Gagnon

Curriculum Vitae

College of Forest Resources and Environmental Science
Michigan Technological University
1400 Townsend Dr.
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EDUCATION

- 2016 PhD, Environmental & Energy Policy, Michigan Technological University
(Advisor: Carol MacLennan)
- 2011 MS, Environmental Policy, Michigan Technological University
- 2009 BS (Magna Cum Laude), Social Sciences, Secondary Education concentration, (Minors in Earth Science & Psychology), Michigan Technological University

PROFESSIONAL APPOINTMENTS

- 2021- Assistant Professor, College of Forest Resources and Environmental Science, Michigan Technological University
- 2019-21 Research Assistant Professor, College of Forest Resources and Environmental Science, Michigan Technological University
- 2018- Director, University-Indigenous Community Partnerships, Research Scientist, Great Lakes Research Center, Michigan Technological University
- 2018-19 Adjunct Instructor, College of Forest Resources and Environmental Science, Michigan Technological University
- 2018-19 Adjunct Faculty, Center for Native American Studies, Northern Michigan University
- 2017-19 Research Assistant Professor, Department of Social Sciences, Michigan Technological University
- 2017-18 Indigenous / Native American Studies Specialist, Ford Center and Forest, Michigan Technological University
- 2016-17 Postdoctoral Research Fellowship, Department of Social Sciences, Michigan Technological University (Mentor: Hugh Gorman)
- 2011- Adjunct Instructor, Keweenaw Bay Ojibwa Community College

AWARDS AND HONORS

Serving Others, Making A Difference Award, Michigan Tech, Houghton MI, 2020

Notable Women in STEM, Crain's Detroit Business, 2019

University Diversity Award, Michigan Tech University, Houghton MI, 2018

Council of Graduate Schools/ProQuest Distinguished Dissertation Award nomination, "Environmental Justice for Seven Generations: An Institutional Ethnography of Fish, Risk, and Health in the Lake Superior Toxic Riskscape," Michigan Tech Univ, 2016

Todd Warner Legacy Award, Keweenaw Bay Indian Community Natural Resources Department, 2014

Midwestern Association of Graduate Schools Distinguished Thesis Award nomination, "Fish Contaminants

through the Tribal Perspective: An Ethnography of the Keweenaw Bay Indian Community's Tribal Fish Harvest," Michigan Tech Univ, 2011

Woman of Promise, Michigan Tech Univ, 2011

SCHOLARSHIP

Peer Reviewed Journal Articles & Book Chapters (* indicates student collaborator)

Gagnon, V.S., Ravindran, EH. *Accepted, Resubmission In Review*. Restoring human and more-than-human relations in toxic riskscapes: 'In perpetuity' within Lake Superior's Keweenaw Bay Indian Community, Sand Point. *Ecology & Society*.

Shaw, E*, **Gagnon, VS**, Ravindran, EH. *In Review*. Seasons of Research with/by/as the Keweenaw Bay Indian Community. *Journal of Great Lakes Research*.

Gagnon, V, and C Schelly, W Lytle, A Kliskey, V H Dale, A Marshall, L F Rodriguez, P Williams,

M W Price, E A Redd, M A Noodin. *In Review*. Enacting Boundaries or Building Bridges? Language and Engagement in Food-Energy-Water Systems Science.

Schelly, C, **Gagnon, VS**, Arola, K, Fiss, A, Schaefer, M, Halvorsen, KE. 2021. Cultural Imaginaries or Incommensurable Ontologies? Recognizing relationality and sovereignty as worldviews in socio-technological system transitions. *Energy Research and Social Science* 80(3).
<https://doi.org/10.1016/j.erss.2021.102242>

Bessette, D., Schelly, C., Schmitt Olabisi, L., **Gagnon, VS.**, Fiss, A., Arola, K., Matz., E., Ong, R., and K. Halvorsen. 2021. Energy democracy in practice: Centering energy sovereignty in rural communities and Tribal Nations. In *Routledge Handbook of Energy Democracy*, Eds. A. Feldpausch-Parker, D. Endres, T. Rai Peterson, and S. Gomez. Routledge Press.

Kliskey, A., Williams, P., Griffith, D., Dale, V., Schelly, C., Marshall, A., **Gagnon, VS.**, Eaton, W., Floress, K. 2021. Thinking big and thinking small: A conceptual framework for best practices in community and stakeholder engagement in food, energy, and water systems. *Sustainability* 13(4):2160.
<https://doi.org/10.3390/su13042160>

Brosemer, K., Schelly, C., **Gagnon, VS.**, Arola, K.L., Pearce, J.M., Bessette, D., Schmidt Olabisi, L. 2020. The Energy Crises Revealed by COVID: Intersections of inequality, Indigeneity, and health. Perspectives piece. *Energy Research and Social Science*.

Schelly, C., Bessette, D., Brosemer, K., **Gagnon, VS.**, Arola, K., Fiss, A., Pearce, J.M., Halvorsen, K.E. 2020. Energy Policy for Energy Sovereignty: Can policy tools enhance energy sovereignty? *Solar Energy*, 109-112. <https://doi.org/10.1016/j.solener.2020.05.056>

Kozich, AT, **Gagnon, VS**, Mensch, G, Michels, S, Gehring, N. 2020. Investigation of temperature trends in the Portage Waterway, Michigan: Integrating knowledge for best management of an important Tribal fishery. *Journal of Contemporary Water Research & Education*, 169: 101-116.

Gorman, HS, **Gagnon, VS**, Giang, A, Perlinger, JA, Urban, NR. 2019. At the Intersection of Policy, Science, and Community-Engaged Research: Great Lakes Fish Consumption Advisories and the Governance of Boundary-Crossing Contaminants. In *A Research Agenda for Environmental Management*, ed. Kathleen E. Halvorsen, Chelsea Schelly, Robert Handler, and Jessie L. Knowlton. Edward Elgar Publishing.

Kozich, AT, **Gagnon, VS**, Jondreau, GP, Danielson, SK, Loonsfoot, TA, Rivas, Jondreau, ML. 2019. Climate Change Perspectives and Policy Support in a Great Lakes Anishinaabe Community. *Tribal College and University Research Journal*, 4:5-20.

Perlinder, JA, Urban, N, Giang, A, Eckley-Selin, N, Hendricks, A, Zhang, H, Kumar, A, Wu, S, **Gagnon, VS**, Gorman, HS, Norman, ES. 2019. Correction: Responses of deposition and bioaccumulation in the Great Lakes region to policy and other large-scale drivers of mercury emissions. *Environmental Science: Processes & Impacts*, 21:1065-1066.

Perlinder, JA, Urban, N, Giang, A, Eckley-Selin, N, Hendricks, A, Zhang, H, Kumar, A, Wu, S, **Gagnon VS**, Gorman, HS, Norman, ES. 2018. Spatial and temporal variations in response to policy and other large-scale drivers of mercury deposition. *Environmental Science: Processes and Impacts*. DOI: 10.1039/c7em00547d

Gagnon, VS, Gorman, HS, Norman, ES. 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. DOI 10.5130/ijcre.v10i1.5307.

Gagnon, VS. 2016. *Ojibwe Gichigami* (“Ojibwa’s Great Sea”): An intersecting history of treaty rights, tribal fish harvesting, and toxic risk in Keweenaw Bay. *Water History*, 8(4):365-384. DOI 10.1007/s12685-016- 0185-7.

Gorman, HS, **Gagnon, VS**, Norman, ES. 2016. Local Impacts, Global Sources: The Governance of Boundary-Crossing Chemicals. *History of Science*. DOI 10.1177/0073275316681804.

Gagnon, VS. 2015. Prolonging disaster (un)recovery: “Culturally-irrelevant” fish consumption advisories in the Keweenaw Bay Indian Community. *Student Anthropologist*, 4(2):18-30.

Gagnon VS, Bradway, H. 2012. Connecting Earth Systems: Developing Holistic Understanding Through the Earth-System-Science Model. *Science Scope*, 36:44-52.

Manuscripts in Progress

Bessette, D, and C Schelly, **V Gagnon**, A Fiss, K Brosemer, J Collins, J Gregorini, D Lee, Elise Matz, M Schaefer, L Schmitt-Olabisi. Acknowledging the reality(s) of renewable energy transition: Ontologies within and among Tribal, rural, and research communities.

Proceedings, Reports, and Institute Papers

Vanator, J, Montano, M, Koski, J, **Gagnon, VS**, Ravindran, E, Lackey, J. 2021. *Guidance Document on Traditional Ecological Knowledge Pursuant to the Great Lakes Water Quality Agreement*. United States Caucus of the Traditional Ecological Knowledge Task Team, Annex 10 Science Subcommittee. Great Lakes Executive Committee.

Gagnon, VS, Kamm, KB. 2021. Program Evaluation: A Report for Debweyendan (“believe in it”) Indigenous Gardens (DIGs). Created for the Keweenaw Bay Indian Community Natural Resources Department. Contribution no. 80 of the Great Lakes Research Center, Michigan Technological University. ResearchGate, DOI: [10.13140/RG.2.2.14331.75048](https://doi.org/10.13140/RG.2.2.14331.75048)

Gagnon, VS, Jennings, BD, Price, MW, Ravindran, EH. 2020. *Since Time Immemorial*. International Association for Great Lakes Research (IAGLR) Lakes Letter, Fall Issue.

Gagnon, VS, and EH Ravindran, K Schmidt, R Pressley, K Kamm, E Vye. 2020. A Portfolio for Community Workshops: Debweyendan Indigenous Gardens. Keweenaw Bay Indian Community Natural

Resources Department. Contribution No. 77 of the Great Lakes Research Center at Michigan Technological University. ResearchGate, DOI: [10.13140/RG.2.2.17824.00004](https://doi.org/10.13140/RG.2.2.17824.00004)

Gagnon, VS, Carter, A, Kamm, K, Pressley, R, Ravindran, E, Schmidt, K, Seguin, M, Smith, K. 2020. Western U.P. Food Systems Council 2018/2019 Annual Report. Great Lakes Research Center Contribution No. 70, Michigan Technological University.

Gagnon, VS, Gorman, HS, Norman, ES. 2018. Eliminating the need for fish consumption advisories in the Great Lakes region: A Policy Brief. A Great Lakes Research Center Publication, contribution no. 50.

Gagnon, VS. 2014. "Synthesis and Community Brief: A Talking Circles Event." Proceedings. Keweenaw Bay Ojibwa Community College, Great Lakes Research Center Contribution no. 15.

Gagnon, VS, Gorman, HS, Morrison, M, Norman, ES, Perlinger, JA. 2014. "2013 Community and Partner Workshop Proceedings: Managing Impacts of Global Transport of Atmosphere- Surface Exchangeable Pollutants in the Context of Global Change," Proceedings. Michigan Tech Univ, Great Lakes Research Center Contribution No. 7.

Gagnon, VS, Nankervis, P, Johnston, E. 2013. Keweenaw Bay Indian Community Wildlife and Natural Resources Report. Keweenaw Bay Indian Community – Natural Resources Department.

Other Publications (* indicates student collaborator)

Gagnon, VS. 2021. *Prioritizing land and life in the Great Lakes region*. Northwest Knowledge Network (NKN) at the University of Idaho. DOI: <https://doi.org/10.7923/8GHP-3125>

Shaw, E*, **Gagnon, VS**, Ravindran, E. 2021. *Guidance for Research Partnerships with/by/as the Keweenaw Bay Indian Community*. Approved 28 April, Tribal Council. Keweenaw Bay Indian Community, Baraga MI.

Gagnon, VS, Ravindran, EH, Schmidt, K, Pressley, R, Kamm, K, Vye, EC. 2020. Debweyendan ("Believe in it") Indigenous Gardens (DIGs) Story Map, Keweenaw Bay Indian Community Natural Resources Department; Contribution No. 78 of the Great Lakes Research Center at Michigan Technological University. ResearchGate, DOI: [10.13140/RG.2.2.17987.84002](https://doi.org/10.13140/RG.2.2.17987.84002)

Gagnon, VS, Seil, D*, Ravindran, EH, Smith, S. 2020. *Shared Governance and Stewardship: Rights and Responsibilities of the Keweenaw Bay Indian Community*. Keweenaw Bay Indian Community Natural Resources Department. L'Anse MI.

Gagnon, VS. 2014. *A Tribute to our Fishermen... (Minaadowenjigaaziwaat Gidoo giigoonkeninii-minaanik...)*. Bronze. Buck's Marina, Baraga MI.

RECENT PRESENTATIONS AND TALKS

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| 2022 | Invited Plenary Panelist: "Synthesis Panel on INFEWS Partnerships for Impacts in the Real World," (w/ A. Kilesky, A. Ramaswami, P. Williams, R. Aggarwal, M. Babbar-Sebens, C. Schelly, E.J. Trammell), NSF INFEWS PI annual meeting (virtual) |
| 2022 | Invited Open Plenary Panelist: "Moving beyond Principles to Practice - Engaging Indigenous Communities," (w/ S. Carroll, E. Shaw, K. Smith), Earth Science Information Partners (ESIP) annual conference (virtual) |
| 2021 | Roundtable Panelist, From Legacies of Extraction to Environmental Health Governance: Collaborative Research and Responses to the Impacts of Mining in Indigenous Communities. American Anthropological Association Annual Meeting, Baltimore MD |
| 2021 | Invited Presentation: "University-Indigenous Community Partnerships: Great Lakes |

- Research Center Connection to the Land & Life," (w/ E. Vye). Northeastern Association of Marine and Great Lakes Laboratories Biennial Meeting.
- 2021 **Invited Presentation & Panelist:** "Convergence Research: Bridging Knowledge Systems & Expertise for Understanding the Dynamics of a Contaminated Tribal Landscape System," (w/ Evelyn Ravindran). Great Lakes Traditional Ecological Knowledge (TEK) Speaker Series, Great Lakes Water Quality Agreement, Science Annex. University of MN-Duluth.
- 2021 Co-author. Panel/Pres: "Seasons of Research with/by/as the Keweenaw Bay Indian Community," (w/ Emily Shaw, Evelyn Ravindran). Bridging Knowledge Systems, International Assoc. for Great Lakes Research (IAGLR), Houghton MI
- 2021 **Invited Seminar Presentation:** Tribal Nations Sovereignty: Foundations for University-Community Partnerships. Chemistry, Biology, and Geology Departments. Hope College, Holland MI (Virtual)
- 2021 **Invited Panelist:** "Traditional Ecological Knowledge in the Great Lakes: Inspiring Next Generation's Environmental Sustainability Leaders" hosted by GLIER University of Windsor & T-RUST Wayne State University.
- 2020 **Invited Seminar Presentation:** Tribal Nations Sovereignty: Foundations for Michigan's Stewardship and Governance Partnerships. Faculty, Student, and Staff Alliance for Climate and the Environment. Oakland University, Rochester Hills MI (Virtual)
- 2020 **Invited Presentation:** Tribal Nations Sovereignty: Foundations for Michigan's Stewardship and Governance Partnerships. Committee for Michigan's Mining Future, Lansing MI (Virtual)
- 2019 **Invited Keynote:** Debweyendan ("believe in it") Indigenous Gardens (DIGs): Restoring Food Sovereignty in the Keweenaw Bay Indian Community (w/ Karena Schmidt, KBIC). Western UP Food Summit.
- 2019 **Invited Panel Moderator:** Indigenous Perspectives on Community and Environmental Health, USDA Multistate Research Committee annual meeting, Houghton MI
- 2019 Co-author. Panel/Pres: "This is our Area of Concern": Restoring Sand Point relations to food, medicines, and seven generations in the Keweenaw Bay Indian Community. (Co-author: E Ravindran) Society for Applied Anthropology, Portland OR
- 2019 **Invited Organizer and Moderator:** University-Community Partnerships Roundtable. Keweenaw Bay Indian Community (w/ Erin Johnston, Cory McDonald, Charles Kerfoot, Kellie Christensen, Deanna Siel). Baraga MI
- 2019 **Invited Workshop:** Water Quality Standards, Fish Consumption Rates, and Options from the KBIC Fish Consumption Report. Keweenaw Bay Indian Community, Tribal Council & Natural Resources Department (w/ Cory McDonald). Baraga MI
- 2019 **Invited Presentation:** Western Upper Peninsula Food Systems Council (w/ Rachael Pressley, WUPPDR). Portage Health Foundation.
- 2019 **Invited Keynote:** Local Food Matters: Building a more resilient food system in the Western U.P. Keynote (w/ Rachael Pressley, WUPPDR). Lake Superior Stewardship Celebration, Michigan Tech Great Lakes Research Center.
- 2019 **Invited Presentation:** Local Food Matters: Building a more resilient food system in the Western U.P. (w/ Rachael Pressley, WUPPDR). Business Quarterly Social, Regional Chamber Alliance.
- 2019 **Invited Presentation:** Keweenaw Bay Indian Community fish consumption survey – A report to the Community (KBIC). KBIC Natural Resources Department Tribal Water Day. Baraga MI
- 2018 Co-author. Panel/Pres: Responses of Mercury Deposition and Bioaccumulation to Policy and Other Large-scale Drivers of Emissions in the Great Lakes Region. (Presenter: J Perlinger; Co-authors: J Perlinger, N Urban, A Giang, N Selin, A Hendricks, H Zhang, A Kumar, S Wu, V Gagnon, H Gorman, E Norman.) North America 39th Annual Society of Environmental Toxicology and Chemistry (SETAC) Meeting, Sacramento CA

- 2018 Participant. Workshop: Tuyuryaq: A Model for Decolonizing Learning on College Campuses. Bates College, Lewiston ME
- 2018 **Invited Presentation:** “When can we eat the fish?” - research, policy, and variability for Lake Superior in 2050. (Co-authors: Judith Perlinger, Noel Urban, Hugh Gorman, Noelle Selin, Ashley Hendricks, Amanda Giang, Huanxin Zhang, Aditya Kumar, Emily Sokol, & Emma Norman) State of Lake Superior Annual Conference. Houghton MI
- 2018 **Invited Presentation:** “When can we eat the fish?” - University-community research in Lake Superior’s Keweenaw Bay. 7th Annual Partners in Action Conference. Bureau of Indian Affairs Midwest Region. Milwaukee WI
- 2017 **Invited Presentation:** “Sand Point Restoration” site tour/talk (co-presenters E. Ravindran, D. Hadden). Keweenaw Bay Indian Community, MI. *for* Keweenaw Bay Ojibwa Community College (Sept); *for* Michigan Technological University (Sept)
- 2017 **Invited Presentation:** “Cultural Beginnings: A Historical Overview” site tour/talk at Sand Point. Keweenaw Bay Indian Community, MI. *for* Academy of Natural Resources-North, Michigan Department of Natural Resources (Aug)
- 2017 Organizer. Roundtable: Insider/outsider Indigenous studies in anthropology Roundtable: Where critical reflections matter. American Anthropological Association Washington DC
- 2017 Organizer. Panel/Pres: Anthropology matters to Indigenous sovereignty, AND, Indigenous sovereignty matters to anthropology. American Anthropological Association, Washington DC
- 2017 Panel/ Pres: “When can we eat the fish?’: Designing and Practicing Community-engaged, -directed Research in an Interdisciplinary, Multi-jurisdictional Mercury Investigation.” (Co-authors: HS Gorman, ES Norman.) International Conference on Mercury as a Global Pollutant, Providence RI
- 2017 **Invited.** Research Initiative for Scientific Enhancement (RISE) Program annual meeting, National Institutes of Health, Pablo MT
- 2017 **Invited.** Native American Research Centers for Health (NARCH) annual meeting, National Institutes of Health, Pablo MT
- 2016 **Invited Presentation:** “Sand Point Restoration” site tour/talk (co-presenters E. Ravindran, D. Hadden). Keweenaw Bay Indian Community, MI. *for* Army Corps of Eng, Bureau of Indian Affairs, Environmental Protection Agency, Great Lakes Indian Fish and Wildlife Commission (Oct); *for* Michigan Tech Social Sciences (Oct); *for* Michigan Academy of Natural Resources Teachers Alliance (Aug); *for* International Symposium on Society and Resource Management (June)
- 2016 Panel/Paper Presentation: “Contesting the Legal “Health Protection” Framework: Making Space for Ojibwa Concepts of Health and Well-Being in Toxic Risk Policy.” American Anthropological Association conference, Minneapolis MN
- 2016 Panel/ Pres: “When can we eat the fish?:’ The importance of interdisciplinary, multi-jurisdictional, and community-based participation in research design and practice.” (Co-author: ES Norman.) International Symposium for Society and Natural Resources, Houghton MI
- 2015 Chair/Co-organizer. Roundtable: ‘Studying Through’ in Anthropology Roundtable: Tips, Tools, and Strategies for Emerging Policy Scholars. American Anthropological Association, Denver CO
- 2015 Panel/Pres: Collaborative Research Tools in Keweenaw Bay: Workshops, Focus Groups, and Talking Circle Views. (Co-authors: HS Gorman, M Morrison, ES Norman) International Association for Great Lakes Research, Burlington VT

EVENTS AND WORKSHOPS ORGANIZED

- 2021 “Waawaashkeshi (white-tailed deer) Camp,” Debweyendan Indigenous Gardens

- workshop series. Co-organizers Keweenaw Bay Indian Community Natural Resources Department and Great Lakes Research Center. (Michigan Health Endowment Fund)
- 2021 “Build and Broaden: Indigenous Agriculture and Food Sovereignty, Symposium Sampler.” (Virtual) Co-organizers D. Cornelius, M. Reinhardt, S. Herron, A. Palmer. (NSF Award #2037303)
- 2021 ‘Code Red’ for Indigenous Peoples’ Day panel event. (Virtual) Co-organizers People of the Heart water walkers, Western UP Planning & Development, western UP community members. Houghton MI
- 2019-2020 Debweyendan Indigenous Gardens workshop series, Community Garden. Co-organizers Keweenaw Bay Indian Community Natural Resources and Western Upper Peninsula Planning and Development. (Michigan Health Endowment Fund)
- 2019-2020 Debweyendan Indigenous Gardens workshop series, Landscape. Co-organizers Keweenaw Bay Indian Community Natural Resources and Western Upper Peninsula Planning and Development. (Michigan Health Endowment Fund)
- 2017 “Eliminating the Need for Fish Consumption Advisories: Taking Action for the Benefit of Future Generations.” (Co-organizers HS Gorman, J Perlinger) Research Project Closure Event: "Managing impacts of global transport of atmosphere-surface exchangeable pollutants (ASEPs) in the context of global change", (NSF Award # ICER-1313755). Keweenaw Bay Ojibwa Community College, L’Anse MI
- 2017 “Wild Rice (Manoomin) Camp.” (Co-organizers E Ravindran, D Hadden, K Laux) Michigan Tech’s School of Forest Resources and Environmental Science Ford Center and Forest *in partnership with* Keweenaw Bay Indian Community Natural Resources Dept. and the Keweenaw Bay Ojibwa Community College, Alberta MI
- 2014 “A Talking Circles Event: Project Updates and Community Participation.” (Co-organizer E. Norman). Research Project: "Managing impacts of global transport of atmosphere-surface exchangeable pollutants (ASEPs) in the context of global change", (NSF Award # ICER-1313755). Keweenaw Bay Ojibwa Community College, Baraga MI
- 2013 “Community and Partner Workshop: Managing impacts of global transport of atmosphere-surface exchangeable pollutants (ASEPs) in the context of global change,” (NSF Award # ICER-1313755). (Co-organizers H. Gorman, E. Norman, M. Morrison). Great Lakes Research Center, Michigan Technological University, Houghton MI

STUDENT ADVISING AND MENTORSHIP

Doctoral

Mai Anh (2021-), Current PhD Student in Forest Science, College of Forest Resources and Environmental Science, Michigan Technological University. (Advisor, Funded by NSF GCR)

Kath Schneider (2021-), Current PhD Student in Forest Science, College of Forest Resources and Environmental Science, Michigan Technological University. (Committee Member)

Marie Schaefer, Graduated 2020, Michigan State University. (Supervisor, 2020-2021, Funded by the Univ of Michigan, Michigan Sea Grant)

Larissa Juip, Current PhD Student in Industrial Heritage and Archaeology (2020-), Social Sciences, Michigan Technological University. (Committee Member and RA, Funded by NSF CNH2-S)

Emily Shaw, Current PhD Candidate in Environmental Engineering (2019-), Civil and Environmental Engineering, Michigan Technological University. (Committee Member, Funded by MI Space Grant)

Robin Clark, Graduated 2021, College of Forest Resources and Environmental Science, Michigan Technological University. (Supervisor, 2020- , Funded by the Univ of Michigan, Michigan Sea Grant)

Marie Richards, Current PhD Candidate in Industrial Heritage and Archaeology (2018-), Social Sciences, Michigan Technological University. (Mentor, 2019 Funded Internship, Great Lakes Inter-Tribal Council, Native American Research Centers for Health)

Kelley Christensen, Current PhD Student in Environmental and Energy Policy (2018-), Social Sciences, Michigan Technological University. (Committee Member)

Masters

Taylor MacFarlane (2021-), Current MS Student in Applied Ecology, College of Forest Resources and Environmental Science, Michigan Technological University. (Co-Advisor)

Shelby Lane-Clark (2021-), MS Forestry, College of Forest Resources and Environmental Science, Michigan Technological University. (Committee Member, and Mentor, 2021 Funded Fellowship, Michigan Technological University Pavlis Honors College, Community Ambassador)

Deanna Seil. Graduated 2020. Peace Corps Masters International. (Mentor, Funded Community Ambassador, Pavlis Honors College)

Brendon Doucet, Graduated 2020. Masters in Industrial Heritage and Archaeology. Thesis Title: *Salted Fish and Spawning Capitalism: The American Fur Company's Fishing Experiment in Lake Superior*. (Committee Member)

Katy Bresette, MS Student in Environmental and Energy Policy (2019-), Social Sciences, Michigan Technological University. (Co-Advisor, and Mentor, 2019 Funded Internship, Great Lakes Inter-Tribal Council, Native American Research Centers for Health)

Undergraduate

Jenna Messer (2022 spring) Undergraduate Program for Exploration and Research in Social Sciences, Social Sciences, Michigan Technological University. (Co-Mentor, NSF CNH2-S)

Maya Klanderma (2022-) Undergraduate Program for Exploration and Research in Social Sciences, Social Sciences, Michigan Technological University. (Co-Mentor, NSF CNH2-S)

Elizabeth Brown (2021-), Community-based Research Assistant, Sustainability Science and Society, Social Sciences, Michigan Technological University.

Angela Gutierrez (2020-2021), Undergraduate Program for Exploration and Research in Social Sciences, Social Sciences, Michigan Technological University. (Mentor, Funded Internship, Univ of Michigan, Michigan Sea Grant)

Mark Franchi (2020), Biological Sciences, Michigan Technological University. (Mentor, Funded Internship, U.S. Environmental Protection Agency)

RESEARCH – FUNDING, GRANTS, FELLOWSHIPS

Awarded (External Sponsors)

National Science Foundation Geoscience Opportunities for Leadership in Diversity (GOLD) (**co-PI Gagnon**): 11/2021-10/2023. *EAGER: Geoheritage and Two-Eyed Seeing - Advances in Interdisciplinary Earth Science Research, Learning, and Inclusion through Shared Ways of Knowing*, \$296,686

Keweenaw Bay Indian Community (**PI Gagnon**): 03/2021-10/2022. *Climate Resiliency Plan and amendment of the Integrated Resource Management Plan*, \$46,362

National Science Foundation, Research Experiences for Undergraduates (REU) (**co-PI Gagnon**): 1/2021-12/2024. *REU TECH SCEneE - Technology, Science, and Community Engagement in Engineering*, \$372,342

Keweenaw Bay Indian Community (Michigan Health Endowment Fund prime sponsor) (**PI Gagnon**): 6/2021-9/2022. *Debweyendan Indigenous Gardens: Promoting Intergenerational Learning and Access to Healthy Foods and Medicines*, \$29,200

National Science Foundation, Coupled Natural-Human Systems 2-small (CNH2-S) (**PI Gagnon**): 1/2021-6/2024. *Convergence Research: Bridging knowledge systems and expertise for understanding the dynamics of a contaminated Tribal landscape system*, \$749,801

Intertribal Agriculture Council (National Science Foundation prime sponsor) (**PI Gagnon**): 1/2021-12/2022. *Build and Broaden Indigenous Agriculture and Food Sovereignty Symposium*, \$11,287

Keweenaw Bay Indian Community (**PI Gagnon**): 10/2019-9/2020. *Strategic Planning and Treatment as a State (TAS) Assistance*, \$14,298

Univ of Michigan, Michigan Sea Grant (**PI Gagnon**): 2/2020-1/2023. *Anishinaabe-Gikendaasowin Integrated Assessment Research in the Keweenaw Bay Indian Community for Stewardship and Governance*, \$149,829

National Park Service (PI MacLennan, **Personnel Gagnon**): 6/2020-5/2024. *GLNF - CESU: Ethnographic Overview and Assessment - KEWE*, \$130,000

National Science Foundation, Growing Convergence Research (GCR) (PI Halvorsen, **Personnel Gagnon**): 10/2020-9/2022. *Collaborative Research: GCR: A Convergent Discipline in Socio-Technological System Transitions- Research on Michigan Community & Anishinaabe Renewable Energy Sovereignty*, \$2,623,647

Keweenaw Bay Indian Community (Michigan Health Endowment Fund prime sponsor) (**PI Gagnon**): 6/2019-9/2020. *Debweyendan Indigenous Gardens: Promoting Intergenerational Learning and Access to Healthy Foods and Medicines*, \$26,561

Western Upper Peninsula Planning & Development Region (Regional Prosperity Initiative prime sponsor) (**PI Gagnon**): 4/2019-12/2019. *Western Upper Peninsula Food Systems Initiative*, \$14,232

Keweenaw Bay Indian Community (Bureau of Indian Affairs prime sponsor) (PI MacLennan, **Personnel Gagnon**): 11/2018-2/2020. *Keweenaw Bay - Sand Point Sediment Transport and Deposition Assessment*, \$155,000

Native American Heritage Fund (**PI Gagnon**): 9/2018-8/2019. *Ge-izhi-mawanji'diyang Dazhindamang Gidakiiminaan* ("The Way in Which We Meet to Talk About Our Earth"), \$30,500

Keweenaw Bay Ojibwa Community College (National Endowment for the Humanities prime sponsor) (PI Aho, Gagnon Leadership Team): 5/2011-4/2015. *Weaving Our History: Voices of Wisdom and Memory*

Awarded (Internal Sponsors)

Michigan Tech Univ (National Science Foundation prime sponsor) (Postdoctoral Research Fellowship Gagnon): 5/2016-4/2017. *Managing Impacts of Global Transport of Atmosphere-surface Exchangeable Pollutants in the Context of Global Change*

Michigan Tech Univ (National Science Foundation prime sponsor) (Graduate Fellowship): 8/2011-7/2013. *GK12: Global Watershed*

Not Awarded

Univ Michigan, Michigan Sea Grant (National Science Foundation prime sponsor) (**PI Gagnon**): 2/2021-1/2022. Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (INCLUDES) Planning Grant: *Building capacity for informal STEM learning through a Research-Extension-Community partnership Learning Center*, \$28,499

United States Department of Agriculture (USDA) National Institute for Food & Agriculture (NIFA) (**Co-PI Gagnon**): 9/2020-9/2025. *Research and Extension Experiential Learning for Undergraduate (REEU): Field Practicum in Sustainable Production Systems in Upper Great Lakes Forests*, \$349,898

National Science Foundation, Advancing Informal STEM Learning (AISL) (**Co-PI Gagnon**): 9/2020-8/2024. *Collaborative Research: Community revitalization through informal science partnership*, \$1,330,170

Univ of Michigan, Michigan Sea Grant (**Co-PI Gagnon**): 2/2020-1/2022. *Improving Resilience of Coastal Communities Threatened by Contaminants in Fish and Climate Change*, \$199,998

National Science Foundation, Advancing Informal STEM Learning (AISL) (**Co-PI Gagnon**): 9/2019-8/2023. *Collaborative Research: Community revitalization through informal science partnership*, \$1,563,322

National Science Foundation Research Traineeship (NRT) Program (**Co-PI Gagnon**): 8/2020-7/2025. *NRT-FW-HTF: Project SEAMLESS: Sustainability and Ecosystems, Automation, Machine Learning, Energy and Social Systems*, \$2,999,762

Keweenaw Bay Ojibwa Community College (National Science Foundation prime sponsor, Advancing Informal STEM Learning (AISL)) (**PI Gagnon**): 9/2018- 9/2022. *Collaborative Research: Community revitalization through informal science partnership*, \$167,577

National Science Foundation, Coupled Natural-Human Systems (CNH2-A) (**Co-PI Gagnon**): 1/2020-12/2022. *Convergent Research to Address Tribal-Lake Systems, Contamination, and American Indian Health and Wellbeing*, \$749,819

United States Department of Agriculture (USDA) National Institute for Food & Agriculture (NIFA) (**Personnel Gagnon**): 1/2020-12/2021. *Participatory Assessment of SWD Fruit Fly Risks to Rural Agritourism in Forested Systems*, \$299,999

Danone Institute North America-One Planet One Health Initiative (**Co-PI Gagnon**): 9/2019-7/2020. *Keweenaw Communities Food Systems Assessment*, \$19,990

National Institutes of Health (NIH) Parent R01 (**PI Gagnon**): 8/2019-8/2024. *Promoting Holistic Health in the Keweenaw Bay Indian Community: Transdisciplinary Research Engagement to Assess and Address Traditional Diet Practices and Environmental Contamination*, \$3,663,600

Keweenaw Bay Indian Community (First Nations Development Institute, Keepseagle prime sponsor) (**PI Gagnon**): 3/2019-2/2020. *Food Sovereignty Assessment in Keweenaw Bay*, \$30,000

Keweenaw Bay Indian Community (Bureau of Indian Affairs prime sponsor) (**PI Gagnon**): 10/2018-9/2019. *Gathering traditional knowledge for stewardship, adaptation, and resiliency in the Keweenaw Bay Indian Community*, \$85,000

National Science Foundation Directorate for Social, Behavioral and Economic Sciences (SBE) (**Postdoctoral Research Fellowship**): 6/2018-5/2020. *Chemically-contaminated Fish in the Lake Superior Basin: Integrating Anthropology, Indigenous Methodology Research, and Watershed Science for*

Ecosystem Recovery, \$138,000

National Science Foundation Directorate for Social, Behavioral and Economic Sciences (SBE)
(Postdoctoral Research Fellowship): 6/2017-5/2019. *Chemically-contaminated Fish in the Lake Superior Watershed: Integrating Anthropology, Indigenous Research Methods, and Landscape Limnology for Ecosystem Recovery*, \$138,000

TEACHING

Higher Education

Natural Resource Policy, Michigan Tech (2022-)

How We Talk About Our Earth, Michigan Tech & Keweenaw Bay Ojibwa Community College (2019-)

Decolonizing Methodologies (Directed Study), Michigan Tech (2019)

Environmental Justice and Ethics, Keweenaw Bay Ojibwa Community College (2019-)

Indigenous Natural Resources Management, Michigan Tech (2018-)

Michigan and Wisconsin Tribal Relations, Northern Michigan University (2018-19)

Food Sovereignty, Keweenaw Bay Ojibwa Community College (2018)

Tribal Environmental Management, Keweenaw Bay Ojibwa Community College (2018)

Sustainable Water Resources Management, Michigan Tech (2016-)

World Peoples and Environments, Michigan Tech (2013)

Oral History Methods, Keweenaw Bay Ojibwa Community College (2011-)

Secondary Education

Earth Science, Hancock Middle School (2011-2013)

Professional Development Workshops

Oral History Methods, Great Lakes Culture Keepers, Ho-Chunk Nation Tribal Historic Preservation Office, and Keweenaw Bay Ojibwa Community College (2014-2017)

Curriculum Development

- 2020 *Local Literacy Experiences*. (co-authors Green, S, Halverson, K, Scarlett, S, Schelly, C, Vye, EC.) Contribution No. 79 of the Great Lakes Research Center at Michigan Tech. Available at: <https://sites.google.com/view/localliteracyexperiences/home>
- 2019 *How We Talk About Our Earth*. Michigan Tech & Keweenaw Bay Ojibwa Community College
- 2018 *Environmental Justice and Ethics* (undergraduate). Keweenaw Bay Ojibwa Community College, L'Anse MI, Dept of Environmental Science
- 2018 *Indigenous Research Methods* (undergraduate). Keweenaw Bay Ojibwa Community College, L'Anse MI, Depts of Environmental Science and Anishinaabe Studies
- 2018 *Food Sovereignty* (undergraduate). Keweenaw Bay Ojibwa Community College, L'Anse MI, Dept of Environmental Science
- 2018 *Indigenous Natural Resources Management* (undergraduate / graduate). Michigan Tech Univ, Houghton MI, School of Forest Resources and Environmental Science
- 2018 *Tribal Environmental Management* (undergraduate). Keweenaw Bay Ojibwa Community College, L'Anse MI, Dept of Environmental Science
- 2013 *What is Water?* (secondary education). Earth Science Unit and Lesson Plans. Available at: <http://www.globalwatershed.mtu.edu/resources-lesson-plans.php>
- 2012 *Earth Systems Science (ESS) Analysis and Model* (secondary education). Earth Science Unit and Lesson Plans. Available at: <http://www.globalwatershed.mtu.edu/resources-lesson-plans.php>

SERVICE

Professional Service

National Science Foundation (NSF) Climate Governance Variability in the Great Lakes (CGVG) Research Coordination Network (RCN), 2021-Present External Advisory Committee

International Association for Great Lakes Research (IAGLR), 2021 Planning and Program Committee

Great Lakes Fishery Commission's Fishery Research Program, FY 2021 funding cycle, peer reviewer

Journal of Great Lakes Research, 2020, peer reviewer

National Science Foundation (NSF) Engage in innovations at the nexus of food, energy, and water systems (INFEWS) Research Coordination Network (RCN), 2019-Present External Advisory Committee

Journal of Contemporary Water Research and Education, 2019 peer reviewer

State of the Lakes, Lake Superior, 2019 Conference Committee

Association for the Anthropology of Policy Section, 2014-Present Education Committee, American Anthropological Association

Regional Service

2019-Present Keweenaw Bay Indian Community, Treatment in a Similar Manner as a State (TAS), Water Quality Standards Team

2019 Keweenaw Bay Indian Community, Tribal Water Day Committee

2018-Present Western UP Food Systems Collaborative, Working Group

2017-Present Great Lakes Water Quality Agreement, Annex 10 Science, Traditional Ecological Knowledge U.S. Caucus Task Force

2017-Present Keweenaw Bay Indian Community Research Steering Committee, Great Lakes Native American Research Centers for Health

2017-18 Keweenaw Bay Indian Community's Wetland Resources Survey Workgroup

2016-Present Indigenous Peoples' Day Campaign, Michigan Technological University

2016-18 Keweenaw Bay Indian Community's Bemidji Area Leaders Acting for Change

2015-16 Keweenaw Bay Indian Community's Climate Change Survey Workgroup

2014-16 Keweenaw Bay Indian Community's Fish Consumption Survey Workgroup

2014-15 Lake Superior Binational Program's Superior Working Group, Chemical Committee

2014-16 Great Lakes Intertribal Epidemiology Center's Bemidji Area Environmental Public Health Advisory Committee

2013-14 Keweenaw Bay Indian Community's Wildlife Stewardship Plan, Traditional Ecological Knowledge Workgroup

2012-2017 Great Lakes Water Quality Agreement, Annex 3 Chemicals of Mutual Concern, Working Group

2010-Present Keweenaw Bay Indian Community's Fishermen's Tribute and Monument Workgroup

2010-Present Keweenaw Bay Indian Community's Natural Resources Department, Volunteer

University Service

Committees and Partnerships

2020-Present Diversity Committee, College of Forest Resources and Environmental Science, Michigan Technological University

2020-Present Curriculum Committee, College of Forest Resources and Environmental Science, Michigan Technological University

2018-Present American Indian Society for Engineering and Sciences (AISES), Co-Advisor

2018- Present Materials EEM Senior Design, Community Partnerships

2018- Present Engineers w/out Borders, Community Partnerships
 2018-2020 Ezhi-wiidanokiindiyang omaa akiing ebiitamang, Environmental Stewardship and Indigeneity Working Group
 2019-Present Tech Forward Initiative Diversity and Inclusion Task Force
 2019-Present IDEA Hub - Global and Community Engagement Working Group
 2019-2020 World Water Day, Working Committee
 2019-Present Computer Science Senior Design, Community Partnerships
 2019-Present Indigenous Peoples' Day annual celebration, Working Committee
 2019-Present Pavlis Honors College Community Ambassadors Program, mentor

Campus Talks

2021 Pursuing Research Funding from the National Science Foundation (panelist), Research Day, Michigan Technological University (invited)
 2021 Host/Interviewer: Justice for the Land (Robin Wall Kimmerer). Institute for Policy, Ethics, and Culture, Michigan Technological University, Houghton MI (Virtual) (invited)
 2020 Impact with Underrepresented Groups (panelist); Fireside Chat: Broader Impact Stories. Research Development Day, Michigan Technological University (invited)
 2019 Breaking Bread with Our Biases: Acknowledging Allyship Blindspots. Michigan Tech's Center for Diversity and Inclusion, Diverse Dialogues Series. (invited)
 2019 Colonization is a system, not a color: More on unlearning to relearn. Michigan Tech's Center for Diversity and Inclusion, Diverse Dialogues Series. (invited)
 2019 Unlearning and relearning: A continued conversation about decolonization. Michigan Tech's Center for Diversity and Inclusion, Diverse Dialogues Series. (invited)
 2018 Tuyuryaq: A Model for Decolonizing Learning on College Campuses. Michigan Tech's Center for Diversity and Inclusion, Diverse Dialogues Series. (invited)
 2018 University-Indigenous Community Partnerships: a new initiative for the Great Lakes Research Center at Michigan Tech. Michigan Tech's Presidential Alumni Campaign. (invited)
 2018 Decolonization and the Michigan Tech Experience (student panel co-organizer). Michigan Tech's School of Forest Resources and Environmental Science, MI
 2018 What is "decolonization" and why does it matter to research? (co-presenter S. Ford). Brown Bag Series, Michigan Tech's Department of Social Science, MI
 2017 "...for Seven Generations": Integrating Anishinaabe history, *bimaadiziwin* ("lifeways"), and policy in natural resources education. Friday Forum, Michigan Tech's School of Forest Resources and Environmental Sciences, MI.
 2016 Education and the Seventh Generation: Anishinaabe Perspective & Integration into the Classroom. (co-presenter D. Jennings) Lake Superior Stewardship Initiative: Dinner & Dialogue. Michigan Tech's Great Lakes Research Center, MI
 2015 Ethnography and Oral History in the Keweenaw Bay Indian Community: Collecting Oral Histories as a Social Experience with Tribal Narrators. (Co-author Evelyn Ravindran.) Michigan Tech's Social Science Department, Brown Bag Series.

MEMBERSHIPS

Professional

2015-Present International Association for Great Lakes Research
 2012-Present American Anthropological Association
 2014-2015 Oral History Association
 2013-2018 Great Lakes Culture Keepers
 2013-2019 Society for Applied Anthropologists

University

2020-Present Institute for Policy, Ethics, and Culture, Michigan Technological University

2018-Present Great Lakes Research Center Institute, Michigan Technological University

2009-2016 Center for Water and Society, Michigan Technological University