

Kristine Wray

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Education

- Jan 2016
- Present *Environmental Sociology PhD Program*, Department of Resource Economics and Environmental Sociology (previously Department of Rural Economy), Faculty of Agriculture, Life, and Environmental Sciences, University of Alberta, Edmonton, AB. Expected program completion date: December 2020.
- June 2011 *Master of Science in Rural (Environmental and Resource) Sociology*. Department of Rural Economy, Faculty of Agriculture, Life, and Environmental Sciences, University of Alberta, Edmonton, AB. Thesis title - *Ways we respect caribou: Hunting in Teet'it Zheh (Fort McPherson, NWT)*. (Convocation June 2011)
- April 2006 *Bachelor of Science in Environmental and Conservation Sciences (with Distinction)*. Human Dimensions of Environmental Management Major, Faculty of Agriculture, Life, and Environmental Sciences, University of Alberta, Edmonton, AB.
- April 2006 *Bachelor of Arts in Native Studies*. Faculty of Native Studies, University of Alberta, Edmonton, AB.
- First graduate of the combined degree program in Environmental and Conservation Sciences and Native Studies.

Academic Experience

- Oct 2013 -
Dec 2015 Centre Administrator, Rupertsland Centre for Métis Research (Director Dr. Chris Andersen). Faculty of Native Studies, University of Alberta, Edmonton, Alberta.
- 2011-2013 Environmental Research Coordinator. Dr. Brenda Parlee research lab. Faculty of Native Studies, University of Alberta, Edmonton, Alberta.
- 2011 Research Assistant for Brenda Parlee, Department of Resource Economics and Environmental Sociology, University of Alberta.
- Sept – Dec
2010 Teaching Assistant, Native Studies 290: Introduction to Research and Inquiry. Professor Frank Tough.

Professional Experience

- 08/2008-
04/2009 *Research Assistant*. Crosscurrent Associates Ltd. Yellowknife, NWT.
Project: Nahanni Butte Dene Band Traditional Knowledge Assessment for the proposed Prairie Creek Mine (NWT) Environmental Assessment.

06/2006-09/2006 *Community Consultant*. Lutsel K'e Dene First Nation; Wildlife, Lands, and Environment Department, Lutsel K'e, NWT.
Project: Traditional Knowledge study for the proposed DeBeers Canada Exploration Inc. Gahcho Kué diamond mining project.

Organizational Experience

Faculty of Native Studies 25th Anniversary Celebration, Edmonton, AB, September 26-28, 2013. Part of a core team planning a series of events culminating in a silent art auction and banquet fundraiser for the Faculty of Native Studies (\$25,000.00 raised).

Women and Caribou Workshop, Inuvik, NWT, September 30, 2009. Chaired by Dr. Brenda Parlee. 10 women from 6 northern communities were brought together for a one-day workshop to discuss what their knowledge about caribou and related wildlife management issues.

Arctic Peoples, Culture, Resilience and Caribou (ACRC): Inuit, Dene, and Gwich'in Discussion on Caribou and Communities. International Polar Year (2007-2008). Edmonton, AB, March 4-5, 2010. Chaired by Brenda Parlee and Chris Furgal. 50 people were brought together from communities across the Yukon, NWT, and Nunavut for a two-day workshop to discuss topics associated with caribou, environment and community involvement in wildlife management.

Publications - Peer Reviewed

Journal Articles

Wray, K., Soukhaphon, A., Parlee, B., D'Souza, A., Freitas, C., Heredia, I., Martin, C., Oloriz, C., Proverbs, T., & Spicer, N. (2020). Aligning intentions with community: Graduate students reflect on collaborative research methodologies with Indigenous research partners. *Sustainability*, 12(18), 7534; doi:10.3390/su12187534.

Wray, K., and Parlee, B. (2013). Ways we respect caribou: Teetl'it Gwich'in rules. *Arctic* 66(1), 68-78.

Republished in *Indigenous peoples and resource development in Canada*. (2017). R. Bone & R. Anderson (Eds.), pp. 295-306. Concord, ON: Captus Press.

Book Chapters

Wray, K. (2017). Ways we respect caribou: A comparison of rules and rules-in-use in the management of the Porcupine caribou. In B. Parlee & K. Caine (Eds.), *When the caribou do not come... Indigenous knowledge and adaptive management in the Western Arctic. The social dimensions of changing caribou populations in the Western Arctic* (pp. 173-189). Vancouver, BC: UBC Press.

Parlee, B., Wray, K., & Todd, Z. (2017). Linking the kitchen table and boardroom table: Women in caribou co-management. In B. Parlee & K. Caine (Eds.), *When the caribou do not come... Indigenous knowledge and adaptive management in the Western Arctic. The social dimensions of changing caribou populations in the Western Arctic* (pp. 228-242). Vancouver, BC: UBC Press.

Parlee, B. and Wray, K. (2016). Gender and the social dimensions of changing caribou populations in the Western Arctic. In N. Kermoal & I. Altamirano-Jimenez (Eds.), *Living on the Land: Indigenous women's understanding of place* (pp. 169-189). Edmonton, AB: Athabasca University Press.

Publications - Non-Peer Reviewed

Wray, K. & Andersen, C. (May 2014). *Sudden labour displacement for Métis in Alberta: Final Report*. Prepared by the Rupertsland Centre for Métis Research for the Rupertsland Institute.

Reports

Wray, K. (2016). *Traditional knowledge overview for the Hay River Basin*. Report for the Government of the Northwest Territories. University of Alberta. 30 pp.

Conference Presentations

Wray, K. *Making a place for Indigenous fishing livelihoods: Navigating cross-scale institutions in Great Slave Lake commercial fisheries management*. Northern Research Day 2020. Circumpolar Students Association. University of Alberta, Edmonton, AB, February 27, 2020.

Wray, K. & Van der Klein, S. *Expanding governance: Acknowledging, learning from, and including Indigenous students' perspectives*. Student Advisors Conference. Co-presented as the Indigenous Graduate Students Association President with Sasha Van der Klein (Graduate Students Association President 2018/2019). Office of the Dean of Students, University of Alberta, Edmonton, AB. March 7, 2019.

Wray K., B. Parlee, & C. Martin. *Tracking change in the Mackenzie River Basin: Lessons about the importance of local and Traditional Knowledge*. XVI Congress of the International Society of Ethnobiology & the XII Brazilian Symposium on Ethnobiology and Ethnoecology, Belém, Brazil. August 7 – 10, 2018.

Wray, K. and Chief E. Betsina (Yellowknife Dene First Nation, Ndilo, NWT). *Water Stewardship: The Weledeh Experience*. Tracking Change... Global Knowledge Symposium. Mobilizing Local and Traditional Knowledge on Fishing Livelihoods: Fishers' Knowledge About the Impacts of the Pak Mun Riber Hydro Dam, Ubon Ratchathani University, Thailand, February 20-25, 2017.

Wray, K. "They don't see them like we do": *A Tetli't Gwich'in methodological critique of caribou population science*. (Indigenous knowledge, the land and resource development – Stories from Canada's north. Session Chair Isaac Twinn). Native American and Indigenous Studies Association Annual Meeting, Washington, D.C. June 4-6, 2015.

Wray, K. *Traditional knowledge and changing caribou populations* (Local and traditional knowledge in wildlife research and co-management. Session Chair Stephan Schott.) International Association for the Study of the Commons, 15th Biennial Global Conference, University of Alberta, Edmonton, AB, May 25-29, 2015.

Wray, K. *Ways we respect caribou: Teetl'it Gwich'in rules-in-use* (The Dynamics of Local 'Rules' Governing Community-Caribou Relations in the Western Arctic: A Discussion on Ecological Variability and Common Pool Resource Institutions. Session chaired by Brenda Parlee, discussant Fikret Berkes). North American Regional Meeting of the International Association for the Study of the Commons, Arizona State University, Tempe, AZ, September 30-October 3, 2010.

Wray, K. *Ways we respect caribou: Teetl'it Gwich'in rules-in-use* (Traditional knowledge and science: Learning from traditional knowledge and science in monitoring barren-ground caribou. Session chaired by Doug Urquhart). 13th North American Caribou Workshop, Winnipeg, MN, October 25-28, 2010.

Wray, K. *Community perspectives of changing barren ground caribou populations* (Benefits of commons: Community perspectives. "Aqua vitae" session chaired by Ram Bastakoti). 12th Biennial Conference of the International Association for the Study of the Commons (IASCP), University of Gloucestershire, Cheltenham, UK, July 14-18, 2008.

Parlee, B. and Wray, K. *What is going on with caribou? Cross-scale perspectives on barren-ground caribou population dynamics* (Institutions at the Crossroads: Contemporary Conflict and Cooperation in Arctic Natural Resource Management. Session Chaired by Colin West). The Society for Applied Anthropology (SFAA) Annual Meeting, Memphis, TN, March 25-29, 2008. Paper presented by Kristine Wray.

Wray, K. *Ways we respect the caribou: Hunting in Teetl'it Zheh*. Northern Research Day, Circumpolar Students Association. University of Alberta, Edmonton, AB, March 2008.

Wray, K. *Caribou population decline: Community responses to change* (Land and Resources: Social Responses to Resource Development in Northern Canada. Session chaired by Brenda Parlee). Research as Resistance: Exploring the Diversity of Indigenous Studies Approaches, Faculty of Native Studies. University of Alberta, Edmonton, AB, August 22-24, 2007.

Poster Presentations

Making a place for Indigenous fishing livelihoods: Navigating cross-scale institutions in Great Slave Lake commercial fisheries management. Poster presented at the Tracking Change... Global Knowledge Symposium. New York, USA, April 29-May 4, 2019.

Guiding water protection through traditional knowledge in the Akaitcho Region of the Mackenzie River Basin. Poster presented at the Tracking Change... Global Knowledge Symposium. Mobilizing Local and Traditional Knowledge on Fishing Livelihoods: Fishers' Knowledge About the Impacts of the Pak Mun Riber Hydro Dam, Ubon Ratchathani University, Thailand, February 20-25, 2017.

Respecting caribou in Teetl'it Zheh: Comparing local, government and co-management board rules-in-use. Poster presented at the Canadian Arctic Summit. School of Energy and the Environment. University of Alberta, Edmonton, AB, May 28-30, 2008.

Respecting caribou in Teetl'it Zheh: Comparing local, government and co-management board rules-in-use. Science in the Changing North, Yellowknife, NWT, May 13-15, 2008

Scholarships & Awards

Graduate – Doctoral

2020-2021	Northern Scientific Training Program, Polar Knowledge Canada (\$3600.00)
2020-2021	U of A Northern Research Awards (\$2000.00)
2019-2020	Alberta Graduate Excellence Scholarship – Indigenous, Government of Alberta (12,000.00)
2019-2020	Northern Scientific Training Program, Polar Knowledge Canada (\$3542.00)
2019-2020	U of A Northern Research Awards (\$2800.00)
2018-2019	Indigenous Graduate Scholarship, University of Alberta (\$7,500)
2018 – 2019	Northern Scientific Training Program, Polar Knowledge Canada (\$3,390)
2018-2019	U of A Northern Research Awards (\$1,512)
2018-2020	Social Sciences and Humanities Council of Canada (SSHRC) Doctoral Fellowship (\$40,000)
2018-2019	Faculty of Graduate Studies and Research, University of Alberta. President’s Doctoral Prize of Distinction (\$10,000)
2017-2018	Indigenous Graduate Scholarship, University of Alberta (\$15,000)
Sept - Dec 2017	Queen Elizabeth II Graduate Scholarship – Doctoral Level, University of Alberta (\$7,500)
2016-2017	Indigenous Graduate Scholarship, University of Alberta (\$15,000)
2016-2017	Queen Elizabeth II Graduate Scholarship – Doctoral Level, University of Alberta (\$15,000)
2015-2016	Indigenous Graduate Scholarship, University of Alberta (\$7,500)

Graduate - Masters

2008-2009	Canadian Circumpolar Institute. Circumpolar/Boreal Research Grant Award (\$1,000)
2008-2009	Canadian Circumpolar Institute. Department of Indian and Northern Affairs: Northern Scientific Training Program Research Grant Award (\$3,000)
2008	Graduate Students Association, University of Alberta. Professional Development Grant (\$500)

- 2008 Faculty of Graduate Studies and Research, University of Alberta. J. Gordon Kaplan Graduate Student Award (\$600)
- 2008 Department of Rural Economy, University of Alberta. M.H. Hawkins Graduate Research Scholarship (\$500)
- 2007-2008 Canadian Circumpolar Institute. Department of Indian and Northern Affairs: Northern Scientific Training Program Research Grant Award (\$2,000)

Undergraduate

- 2006 Faculty of Native Studies (University of Alberta). Adrian Hope Prize in Cree Culture (\$500)
- 2003 Canada Millennium Scholarship Foundation (\$3,000)
- 1993 Rutherford Scholarship, Grades 11 and 12 (\$1,200)

Teaching

Winter 2020. RSOC 450 - *Environmental Sociology*. Co-taught with Dr. Robert Bechtel and Anna Kessler. Department of Resource Economics and Environmental Sociology, Faculty of Agriculture, Life, and Environmental Sciences, University of Alberta, Edmonton, AB.

Guest Lectures

March 2, 2018. "*PhD Thesis Research*". Rural Sociology 355: Rural Communities and Global Economies, taught by Dr. John Parkins, Winter 2018.

March 23, 2017. "*Engaging First Nations in forest management planning in Alberta*", with Kelsey Dokis-Jansen. Renewable Resources 431: Integrated Forest Management, taught by Dr. Phillip Comeau and Dr. Glen Armstrong, Winter 2017.

October 22, 2016. "*Exploring alternatives: Land, resources and spirit*," with Kelsey Dokis-Jansen and Jodi Stonehouse. Native Studies 330: Native Economic Development, taught by Kirsten Lindquist, Fall 2016.

September 10, 2015. "*Thesis research*", with Kelsey Dokis-Jansen and Jodi Stonehouse. In Native Studies 590: Community Based Research Methods, taught by Dr. Brenda Parlee, Fall 2015.

September 30, 2014. "*Working with oral histories in thesis research*", with Kelsey Dokis-Jansen and Jodi Stonehouse. In Native Studies 490: Oral history research, taught by Dr. Brenda Parlee, Fall 2014.

November 27, 2013. "*The relevance of research to Native Studies career paths and post-degree employment*." Panel discussion in Native Studies 290: Introduction to Research and Inquiry, taught by Dr. Frank Tough, Fall 2013.

Paper Reviews

- Oct 2017 Paper Review - "Inferring the rules of social interaction in migrating caribou".
Proceedings of the Royal Society B.
- Nov 2016 Paper Review - "Indigenous capacity for collaboration in Canada's energy, forestry and mining sectors." Environment, Development and Sustainability: A Multidisciplinary Approach to the Theory and Practice of Sustainable Development.

Professional Development

- June 2020 *Level Three: Pedagogy and Course Design - Graduate Teaching and Learning Program.* Course dates June 8 – 24, 2020. Course taught online by Dr. Deanna Davis. Faculty of Graduate Studies and Research, University of Alberta, Edmonton.
- May 2020 *Level Two: Practicum - Graduate Teaching and Learning Program.* Course dates May 15 – 22, 2020. Course taught online by Dr. Deanna Davis. Faculty of Graduate Studies and Research, University of Alberta, Edmonton.
- Jan. 2020 *Level One: Foundations of the Graduate Teaching and Learning Program.* Course dates January 8 – 21, 2020. Dr Deanna Davis, Instructor. Faculty of Graduate Studies and Research, University of Alberta, Edmonton.

Volunteer Activities

- 2018 – Present Trustee, *Qube Charitable Foundation.*
- 2018 *Tracking Change Youth Knowledge Fair.* University of Alberta, Edmonton, AB. May 16-18, 2018. Volunteer.
- Feb. 2018 – Sept. 2019 President, *Indigenous Graduate Students Association (IGSA),* University of Alberta
- 2016 - Present Member (Founding), *Indigenous Graduate Students Association (IGSA),* University of Alberta.
- 2016 *Tracking Change Youth Knowledge Fair.* University of Alberta, Edmonton, AB. May 26, 2016. Led 35 students in an art workshop. Students were asked to respond to the question "what does environment mean to you?" while painting one piece of a canvas that when completed and assembled together into a larger whole that spells "*Tracking Change...*". University of Alberta, Edmonton, AB. May 26, 2016.
- 2015 *International Association for the Study of the Commons – 15th Biennial Global Conference,* Edmonton, AB, May 25-29, 2015. Presented by the Faculties of Native Studies and ALES. Volunteer.

- 2009 *Working Forum on the Duty to Consult: Now What?* Edmonton, AB, October 22-23, 2009. Volunteer.
- 2008 *Waste: The Social Context. Urban Issues & Solutions.* Edmonton, AB, May 11-15, 2008. Volunteer.
- 2007-2008 Vice-President, *Student Organization for Society and Natural Resources.* Department of Rural Economy, University of Alberta.

Art/Research Practice

Akaitcho Youth Photo Project. Collaborated with 13 youth from the Akaitcho First Nations on a PhotoVoice project. Photography project theme: Dene Culture in Action. Lutsel K'e, NWT, December 1-3, 2017.

Big Time Small Actions: A Student Research Colloquium. Presented by the Research Creation and Social Justice CoLab and the Intermedia Research Studio. University of Alberta. December 7, 2016. Presented *Rack of Cans.*