



**COLLEGE OF FISHERIES
AND OCEAN SCIENCES**

University of Alaska Fairbanks

1007 W. 3rd Avenue, Anchorage, Alaska 99501

September 28, 2018

Dear Dr. Sarah Marrinan,

I am writing to submit my curriculum vitae for consideration for nomination for the Social Science Planning Team (SSPT). The North Pacific Fishery Management Council's call for SSPT nominees stated that the Council is looking for a nominee to "add expertise in Local and Traditional Knowledge and those who work directly with rural and Alaska Native coastal villages and/or tribal organizations in the fields of anthropology, human geography, and sociology." My background and expertise align well with this call.

I am an environmental anthropologist with expertise in marine and fisheries systems in Alaska. I received my Ph.D. in anthropology from the University of Washington and have been a faculty member in the fisheries department at the University of Alaska Fairbanks since 2008. Over the past two decades, I have worked closely with rural and Alaska Native coastal fishing communities across the state. My research has involved close collaborations with Tribes and communities in the Alutiiq/Sugpiaq, Yup'ik, Iñupiaq, Aleut, and Athabascan regions. I also have deep experience working with diverse commercial fishing fleets in communities across Alaska and the Pacific region.

I have led several research efforts directly engaging in the collection, documentation, and analysis of local and traditional knowledge (e.g., projects #1, 3, 4, 8, 10, 11 identified on CV) and have published numerous scientific papers from direct research on this topic (#11, 21, 22, 24, 29, 40, 52, 62, 64 in CV publications). I have also worked with international interdisciplinary science teams to develop several papers synthesizing knowledge and providing leading guidance on best available social science for resource management and ecosystem-based fisheries management, including best practices for including local and traditional knowledge (#3-6, 9-10, 12, 14 in CV publications). I was recently invited to give two presentations on the topic of best practices for engaging Indigenous peoples and knowledge in science – one to address the U.S. Senate Arctic and Oceans caucuses and another to present to the Arctic Research Consortium of the United States (#3-4 in CV invited presentations). I organized and was the lead guest editor of a special issue of a prominent journal on the topic "Conceptual, methodological, practical, and ethical challenges of studying and applying indigenous knowledge" (#14 in CV publications). I was one of 12 international experts chosen to be a peer-reviewer of the U.S. EPA's *Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska*. I was chosen for my expertise as a social scientist working closely, and in partnership, with Alaska Native communities. In sum, I have the direct experience and wider perspective to help guide the SSPT as it considers broadening its focus to better include these dimensions.

My other areas of research focus could also inform the SSPT in productive ways. The mission of the SSPT is to “improve the quality and application of social science data that informs management decision-making and program evaluation,” with particular reference to limited access privilege programs. I have studied limited access privilege programs and their social and community effects for over 15 years and am an internationally recognized expert on this topic (see #6, 7, 9, 15-18 in CV projects and #1-3, 7, 8, 15, 18, 20, 27, 28, 30-35 in CV publications). More broadly, I study and teach social science methodology and have a deep knowledge of diverse theoretical, methodological, and analytical domains that may be of interest to the SSPT (e.g., my expertise in both qualitative and quantitative methods of data collection and analysis may be useful in advancing the SSPT’s mission to advise on data gaps, collection and analysis approaches, indicators, etc.). This topic of methodology and qualitative social science was an area of interest both at the SSPT and the June 2018 Council meetings. My current close partnerships with Indigenous scholars and scientists will also help me participate in the SSPT to guide best practices in ethical and inclusive ways. I do hope if you have a qualified Alaska Native nominee that you will choose that nominee over me or other non-Native applicants.

I also have over a decade of experience collaborating with fisheries and marine scientists through my work at UA and on interdisciplinary teams, such as the North Pacific Research Board Science Panel, the Lenfest Ecosystem-Based Fisheries Management Task Force, and the Alaska Sustainable Salmon Fund Expert Panel. For example, I’m currently collaborating on a project with the SSC’s Dr. Matt Reimer on an exploratory project to develop methods to better include social and community-level data into bio-economic models for fishery management (#2 in CV projects). I’m a lead PI working with over 100 scientists on the State of Alaska Salmon and People project where we are working across disciplines to synthesize and better integrate diverse data sets (#3-4 in CV projects). A major focus on this work has been working with Alaska Native scientists, elders and community leaders to meaningfully and appropriately include traditional knowledge in our synthesis and to also collectively conceptualize and develop indices and measures for important domains in the social system (e.g., the multi-faceted dimensions of well-being and how best to measure these dimensions).

I was able to listen to and participate in some of the SSPT’s first meeting in Anchorage. I am very keen to contribute my experience to this group if my backgrounds and skills appeal to the Council for this nomination.

Thank you for your time and consideration.

Best regards,

Courtney Carothers

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COURTNEY CAROTHERS

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EDUCATION

Ph.D. University of Washington. 2008. Department of Anthropology, Environmental Anthropology
M.A. University of Washington. 2004. Department of Anthropology, Environmental Anthropology
B.A. Cornell University. 2000. Biology and Society, *summa cum laude*

ACADEMIC APPOINTMENTS

Associate Professor, Fisheries Division, College of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Fairbanks, Alaska, 2013-present
Assistant Professor, Fisheries Division, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Fairbanks, Alaska, 2008-2013
Instructor, Department of Anthropology, University of Washington, Seattle, Washington, 2007
Graduate Teaching Assistant, Department of Anthropology, University of Washington, 2006-2007

PROFESSIONAL EMPLOYMENT

Field Research Supervisor, Impact Assessment Incorporated, 2004-2008
Research Consultant, Kodiak Island Housing Authority, Kodiak, Alaska, 2005-2006
Research Consultant, Gulf of Alaska Coastal Communities Coalition, Kodiak, Alaska, 2005
Graduate Research Assistant, NOAA Fisheries Service, Seattle, Washington, 2003-2005
Oceans Program Assistant, Environmental Defense Fund, Boston, Massachusetts, 2002
Research Assistant, Cornell University, Ithaca and Old Forge, New York, 2000-2002
Research Assistant, Jug Bay Wetlands Sanctuary, Lothian, Maryland, 1999

HONORS & AWARDS

Research-to-Application Award, National Sea Grant Program recognition of the Graying the Fleet study, 2018
American Anthropological Association, Anthropology & Environment Society, Junior Scholar Prize nominee, 2013
National Science Foundation (NSF) Fellowship, Short Course in Research Methods, Statistics, 2013
Early Career Fellowship, Alaska EPSCoR Program, 2009
NSF Fellowship, Short Course in Research Methods, Social Networks and Visual Data, 2009
Environmental Public Policy & Conflict Resolution Ph.D. Fellowship, Morris K. Udall Scholarship and Excellence in National Environmental Policy Foundation, 2007-2008
American Fisheries Society, Socioeconomics Section, Stephen Weithman Best Paper Award, 2005
NSF Fellow, Institute for Research Design in Cultural Anthropology, 2003
Distinguished Achievement Scholarship, Pittsburgh Cornell Club, 1998-2000
Phi Beta Kappa Honors Society

I. RESEARCH

I am an environmental anthropologist with broad interests in human-environment relationships, particularly in marine and fisheries systems. In one central area of study, I explore social and cultural change in fishing livelihoods and communities. In another, I partner with Indigenous communities to study social-ecological change and subsistence ways of life and work toward more inclusive and ethical science. My partnerships have spanned numerous Indigenous nations, including Sugpiag, Yup'ik, Iñupiaq, Aleut, and Athabascan and international collaborations from Iceland to New Zealand and across the circumpolar North. My research program has been supported by \$3.7M in external funding, reported in over 50 publications and 100 professional presentations, and featured in venues such as Science, Proceedings of the National Academy of Sciences, the New York Times, and the U.S. Senate.

FUNDED PROJECTS

1. **Carothers, C.** and J. Black. Indigenizing salmon management in Alaska. \$397,807 from the Salmon Connect Partnership/New Venture Fund. June 2017 – December 2019.

2. **Carothers, C.** and M. Reimer. Changing the Paradigm of Halibut Management in Alaska. \$297,995 from Saltonstall-Kennedy Grant Program, NOAA Fisheries. September 2016 – August 2019.
3. Donkersloot, R., J. Black, **C. Carothers**. Well-being and Alaska salmon systems. \$191,081 from the National Center for Ecological Analysis and Synthesis. November 2016 – June 2018.
4. Westley, P., **C. Carothers**, J. Black, S. Langdon, T. Schwoerer. State of Alaska Salmon and People. \$358,501 from the National Center for Ecological Analysis and Synthesis. July 2016 – August 2018.
5. Winsor, P., S. Danielson, and **C. Carothers**. Coastal Community Ocean Observers (C2O2): A Network of Community-Driven Coastal Ocean Observations. \$182,987 from the North Pacific Research Board..
6. **Carothers, C.**, R. Donkersloot, and P. Cullenberg. Graying of the Fleet in Alaska's Fisheries: Defining the Problem and Assessing Solutions. \$334,860 from the North Pacific Research Board. October 2013 – September 2017.
7. **Carothers, C.**, R. Donkersloot, and P. Cullenberg. Graying of the Fleet in Alaska's Fisheries: Defining the Problem and Assessing Solutions. \$140,089 from the Alaska Sea Grant. February 2014 – September 2016.
8. **Carothers, C.** Collaborative Research: Gender, Environment, and Change: Exploring Shifting Roles in an Inupiat Community. September 2013-December 2016. Funding for \$286,173 from the National Science Foundation, Office of Polar Programs. September 2013 – December 2016. In collaboration with Laura Zanotti, Purdue University.
9. **Carothers, C.** Fisheries Privatization, Sociocultural Transitions, and Well-Being in Kodiak, Alaska. Funding for \$256,828 from the National Science Foundation, Office of Polar Programs. October 2010 – August 2014.
10. **Carothers, C.** and A. Lopez. Effects of Climate Change on Subsistence Fisheries in Northwest Alaska. Funding for \$174,036 from the U.S. Fish and Wildlife Service. April 2010 – September 2013.
11. **Carothers, C.** Subsistence Use and Knowledge of Beaufort Salmon Populations. Funding for \$239,214 from the Bureau of Ocean Energy Management. June 2009 – December 2012.
12. Criddle, K., G. Eckert, G. Kruse, **C. Carothers**, F. Mueter. Science Master's Program in Sustainable Ecosystem-Based Management of Living Marine Resources. Funding for \$700,000 from the National Science Foundation. July 2010 – June 2013.
13. Lopez, J.A., T. M. Sutton, E. D. S. Lopez, and **C. Carothers**. 2010. An Integrative Investigation of the Roles of Whitefish in Alaska's Biological and Cultural Diversity. Funding for \$30,039 from the Alaska EPSCoR. February – June 2010.
14. **Carothers, C.** Initiating Research to Explore Fishing Community and Fishery System Resilience and Sustainability in the Gulf of Alaska. Funding for \$30,000 from the Alaska EPSCoR Program. January – November 2009.
15. **Carothers, C.** Privatizing the Right to Fish: Challenges to Livelihood and Community in Kodiak, Alaska. Funding for \$24,000 from the Morris K. Udall Scholarship and Excellence in National Environmental Policy Foundation. June 2008 – June 2009.
16. **Carothers, C.** Privatizing the Right to Fish: Challenges to Livelihood and Community in Kodiak, Alaska. Funding for \$24,621 from the Wenner-Gren Foundation for Anthropological Research, Individual Research Grant. August 2005 – August 2006.
17. **Carothers, C.** Privatizing the Right to Fish: Challenges to Livelihood and Community in Kodiak, Alaska. Funding for \$15,930 from the National Science Foundation, Directorate for Social, Behavioral and Economic Sciences, Dissertation Improvement Grant. August 2005 – August 2006.
18. **Carothers, C.** Privatizing the Right to Fish: Challenges to Livelihood and Community in Kodiak, Alaska. Funding for \$3,000 from the Washington Sea Grant Program. August – December 2005.

PUBLICATIONS (*denotes current or former graduate student)

My publications have been cited over 2,150 times ([Google Scholar](#)). This citation rate places me in the top 1% of scientists globally ([ScienceWatch 2010](#)).

Peer-Reviewed Journal Articles and Book Chapters

1. *Ringer, D., **C. Carothers**, R. Donkersloot, *J. Coleman, and P. Cullenberg. For generations to come? Shifting baselines and privatization paradigm impacts in Kodiak Archipelago's commercial fisheries and livelihoods. *Marine Policy*. In press.

2. *Coleman, J., **C. Carothers**, R. Donkersloot, *D. Ringer, P. Cullenberg, A. Bateman. Alaska's Next Generation of Potential Fishermen: A survey of youth attitudes towards fishing and community in Bristol Bay and the Kodiak Archipelago, Alaska. *Maritime Studies*. In press. <https://rdcu.be/6LuF>
3. Young, O. R. D.G. Webster, M. E. Cox, J. Raakjær, N. Einarsson, R. Virginia, J. Acheson, L. Øfjord Blaxekjær, D. Bromley, E. Cardwell, **C. Carothers**, E. Eythórsson, R. B. Howarth, S. Jentoft, B. J. McCay, F. McCormack, G. Osherenko, E. Pinkerton, R. J. vanGinkel, J. A. Wilson, L.Rivers, III, and. R. S. Wilson. 2018. Moving beyond panaceas in fisheries governance. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*. <https://doi.org/10.1073/pnas.1716545115>
4. Levin, P.S, K.N. Marshall, T.E. Essington, L.E. Koehn, L.G. Anderson, A. Bundy, **C. Carothers**, F. Coleman, L.R. Gerber, J.H. Grabowski, E. Houde, O.P. Jensen, C. Möllmann, K. Rose, J.N. Sanchirico and A.D.M. Smith. 2018. Building effective fishery ecosystem plans. *Marine Policy* 92: 48-57. <https://doi.org/10.1016/j.marpol.2018.01.019>
5. Breslow, S., M. Allen, D. Holstein, B. Sojka, R. Barnea, X. Basurto, **C. Carothers**, S. Charnley, S. Coulthard, N. Dolšak, J. Donatuto, C. García-Quijano, C. C. Hicks, A. Levine, M. B. Mascia, K. Norman, M. Poe, T. Satterfield, K. St. Martin, P. S. Levin. 2018. Evaluating indicators of human wellbeing for ecosystem-based management. *Ecosystem Health and Sustainability*. <https://doi.org/10.1080/20964129.2017.1411767>
6. Johnson, J. L., Zanotti, L., Ma, Z., Yu, D.J., Johnson, D.R., Kirkham, A., **Carothers, C.** 2018. Interplays of sustainability, resilience, adaptation and transformation. In W. Leal Filho, R. Marans, and J. Callewaert (eds.), *Handbook of Sustainability and Social Science Research*. Berlin, Germany: Springer. pp. 485.
7. Donkersloot, R. and **C. Carothers**. 2017. Beyond privatization: rethinking fisheries stewardship and conservation in the North Pacific. Chapter 12 in Levin, P. S. and M. R. Poe (eds), *Conservation for the Anthropocene Ocean: Interdisciplinary science in support of nature and people*. Elsevier Academic Press.
8. *Chambers, C., G. Helgadóttir, and **C. Carothers**. 2017. "Little kings": Community, change and conflict in Icelandic fisheries." *Maritime Studies (MAST)* 16:10. <https://doi.org/10.1186/s40152-017-0064-6>
9. Charnley, S., **C. Carothers**, T. Satterfield, A. Levine, M.R. Poe, K. Norman, J. Donatuto, S.J. Breslow, M.B. Mascia, P.S. Levin, X. Basurto, C.C. Hicks, C. Garcia-Quijano and K. St. Martin. 2017. Evaluating the best available *social science* for natural resource management decision-making. *Environmental Science & Policy*, 73:80–88. <http://doi.org/10.1016/j.envsci.2017.04.002>
10. Marshall, K.N., P.S. Levin, T.E. Essington, L.E. Koehn, L.G. Anderson, A. Bundy, **C. Carothers**, F. Coleman, L.R. Gerber, J.H. Grabowski, E. Houde, O.P. Jensen, C. Möllmann, K. Rose, J.N. Sanchirico and A.D.M. Smith. 2017. Ecosystem-based fisheries management for social–ecological systems: Renewing the focus in the United States with *next generation* fishery ecosystem plans. *Conservation Letters*. <http://dx.doi.org/10.1111/conl.12367>
11. *Figus, E., **C. Carothers**, and A. H. Beaudreau. 2017. Using local knowledge to inform fisheries assessment: measuring agreement among Polish fishermen about the abundance and condition of Baltic cod (*Gadus morhua*). *ICES Journal of Marine Science*. <https://doi.org/10.1093/icesjms/fsx061>
12. Breslow, S., B. Sojka, R. Barnea, X. Basurto, **C. Carothers**, S. Charnley, S. Coulthard, N. Dolsak, J. Donatuto, C. Garcia-Quijano, C.C. Hicks, A. Levine, M.B. Mascia, K. Norman, M. Poe, T. Satterfield, K. St. Martin, P. S. Levin. 2016. Conceptualizing and Operationalizing Human Wellbeing for Ecosystem Assessment and Management. *Environmental Science & Policy* 66: 250-259. <https://doi.org/10.1016/j.envsci.2016.06.023>
13. *Lyons, C., **C. Carothers**, and K. Reedy. 2016. A tale of two communities: Using relational place-making to examine fisheries policy in the Pribilof Island Communities of St. George and St. Paul, Alaska. *Maritime Studies (MAST)* 15: 1-23. <https://doi.org/10.1186/s40152-016-0045-1>
14. Hicks, C.C., A. Levine, A. Agrawal, X. Basurto, S. Breslow, **C. Carothers**, S. Charnley, S. Coulthard, N. Dolsak, J. Donatuto, C. Garcia-Quijano, M.B. Mascia, K. Norman, M. Poe, T. Satterfield, K. St. Martin, P. S. Levin. 2016. Concrete engagement with social science concepts for sustainability. *Science* 253 (6281): 38-40. <https://doi.org/10.1126/science.aad4977>
15. Donkersloot, R. and **C. Carothers**. 2016. The graying of the Alaskan fishing fleet. *Environment: Science and Policy for Sustainable Development*. 58(3): 30-42. <https://doi.org/10.1080/00139157.2016.1162011>
16. *Lyons, C., **C. Carothers**, and K. Reedy. 2016. Means, meanings and contexts: A framework for integrating detailed ethnographic data into assessments of fishing community vulnerability. *Marine Policy*. 74: 341-350. <https://doi.org/10.1016/j.marpol.2016.04.022>

17. *Lyons, C., B. Blount, **C. Carothers**, M. Marchioni, R. Davis, and P. Loring. 2016. Considering communities in fisheries management. *Marine Policy* 74: 288-291. <https://doi.org/10.1016/j.marpol.2016.05.006>
18. *Chambers, C. and **C. Carothers**. 2016. Thirty years after privatization: A survey of Icelandic small-boat fishermen. *Marine Policy* 80: 69-80. <https://doi.org/10.1016/j.marpol.2016.02.026>
19. Logerwell, E., M. Busby, **C. Carothers**, *S. Cotton, J. Duffy-Anderson, E. Farley, P. Goddard, R. Heintz, B. Holladay, J. Horne, S. Johnson, B. Lauth, L. Moulton, D. Neff, B. Norcross, S. Parker-Stetter, J. Seigle, T. Sformo. 2015. Fish communities across a spectrum of habitats in the western Beaufort Sea and Chukchi Sea. *Progress in Oceanography* 136: 115-132. <http://dx.doi.org/10.1016/j.pocean.2015.05.013>
20. **Carothers, C.** 2015. Fisheries privatization, social transitions, and well-being in Kodiak, Alaska. *Marine Policy* 61: 313-322. [doi:10.1016/j.marpol.2014.11.019](https://doi.org/10.1016/j.marpol.2014.11.019)
21. **Carothers, C.**, M. Moritz, and R. Zarger. 2014. Introduction: conceptual, methodological, practical, and ethical challenges in studying and applying indigenous knowledge. *Ecology and Society* 19 (4): 43. [online] URL: <http://www.ecologyandsociety.org/vol19/iss4/art43/>
22. **Carothers, C.**, Brown, *K. J. Moerlein, J. Lopez, D. B. Anderson, and B. Retherford. 2014. Measuring perceptions of climate change in northern Alaska: pairing ethnography with cultural consensus analysis. *Ecology and Society* 19(4): 27. [online] URL: <http://www.ecologyandsociety.org/vol19/iss4/art27>
23. *Knapp, C. N., F. S. Chapin III, G. P. Kofinas, N. Fresco, **C. Carothers**, and A. Carver. 2014. Parks, people and change: the importance of multistakeholder engagement in adaptation planning for conserved areas. *Ecology and Society*. 19(4): 16. [online] URL: <http://www.ecologyandsociety.org/vol19/iss4/art16/>
24. *Young, R. C., A. S. Kitaysky, **C. Carothers**, and I. Dorrestejn. 2014. Seabirds as a subsistence and cultural resource in two remote Alaskan communities. *Ecology and Society* 19 (4): 40 [online] URL: <http://www.ecologyandsociety.org/vol19/iss4/art40/>
25. *Peterson, M.J. and **C. Carothers**. 2013. Whale interactions with Alaskan sablefish and Pacific halibut fisheries: Surveying fishermen's perception, changing fishing practices and mitigation. *Marine Policy* 42: 315-324. <https://doi.org/10.1016/j.marpol.2013.04.001>
26. Glazier, E., **C. Carothers**, N. Milne, and M. Iwamoto. 2013. Seafood and society on O'ahu in the Main Hawaiian Islands. *Pacific Science* 67(3): 345-359. <https://doi.org/10.2984/67.3.4>
27. **Carothers, C.** 2013. A survey of halibut IFQ holders: Market participation, attitudes, and impacts. *Marine Policy* 38: 515-522. <http://dx.doi.org/10.1016/j.marpol.2012.08.007>.
28. **Carothers, C.** and *C. Chambers. 2012. Fisheries privatization and the remaking of fishery systems. *Environment and Society: Advances in Research* 3: 39-59. <https://doi.org/10.3167/ares.2012.030104>
29. *Moerlein, K. and **C. Carothers**. 2012. Total environment of change: Impacts of climate change and social transitions on subsistence fisheries in northwest Alaska. *Ecology and Society* 17(1): 10. <http://dx.doi.org/10.5751/ES-04543-170110>
30. **Carothers, C.** 2012. Enduring ties: salmon and the Sugpiat of the Kodiak Archipelago. Pages 133-160 in B.J. Colombi and J.F. Brooks (editors), *Keystone Nations: Indigenous Peoples and Salmon across the North Pacific*. School for Advanced Research Press, Santa Fe, NM. Invited book chapter.
31. **Carothers, C.** 2011. Equity and access to fishing rights: Exploring the Community Quota Program in the Gulf of Alaska. *Human Organization* 70(3): 213-223. <https://doi.org/10.17730/humo.70.3.d686u2r7j2267055>
32. **Carothers, C.** 2011. Addressing rural livelihood and community well-being in Alaska's fisheries. Pages 377-387 in A.L. Lovecraft and H. Eicken (editors), *North by 2020: Alaskan Perspectives on Changing Circumpolar Systems*. University of Alaska Press, Fairbanks, AK.
33. **Carothers, C.** 2010. Tragedy of commodification: Transitions in Alutiiq fishing communities in the Gulf of Alaska. *Maritime Studies (MAST)* 90(2): 91-115.
34. **Carothers, C.**, D.K. Lew, and J. Sepez. 2010. Fishing rights and small communities: Alaska halibut IFQ transfer patterns. *Ocean and Coastal Management* 53: 518-523. [doi:10.1016/j.ocecoaman.2010.04.014](https://doi.org/10.1016/j.ocecoaman.2010.04.014)
35. **Carothers, C.** 2008. "Rationalized out:" Discourses and realities of fisheries privatization in Kodiak, Alaska. Pages 55-74 in M. Lowe and **C. Carothers** (editors). *Enclosing the Fisheries: People, Places, and Power*. American Fisheries Society, Symposium 68, Bethesda, MD.
36. Pimentel D., R. Doughty, **C. Carothers**, S. Lamberson, N. Bora, and K. Lee. 2008. Energy inputs in crop production in developing and developed countries. Pages 137-156 in D. Pimentel and M.H. Pimentel (editors), *Food, Energy, and Society*. 3rd Edition. CRC Press, Boca Raton, FL.

Peer-Reviewed Books and Journal Special Issues

37. **Carothers, C.**, P. Westley, J. Black, and *D. Ringer. Forthcoming. Guest editors for special feature: Alaska's Salmon and People: Synthesizing Knowledge Systems and Dimensions. *Ecology and Society*.
38. Webster, D. G., E. Cardwell, **C. Carothers**, and F. McCormack. In press. Guest editors for special issue: Sea change in fisheries governance. *Elementa*. <https://collections.elementascience.org/sea-change-in-fisheries-governance/>
39. *C. Lyons and **C. Carothers**. 2016. Guest editors for special section: Considering communities in fisheries management. *Marine Policy* 74. <https://www.sciencedirect.com/journal/marine-policy/vol/74/suppl/C>
40. **Carothers, C.**, M. Moritz, and R. Zarger. 2014. Guest editors for special issue: Conceptual, methodological, practical, and ethical challenges in studying and applying indigenous knowledge. *Ecology and Society* 19 (4): 43. [online] URL: <https://www.ecologyandsociety.org/issues/view.php?sf=100>
41. **Carothers, C.**, K. R. Criddle, *C.P. Chambers, P.J. Cullenberg, J.A. Fall, A.H. Himes-Cornell, J.P. Johnsen, N.S. Kimball, C.R. Menzies, and E.S. Springer (editors.). 2012. *Fishing People of the North: Cultures, Economies, and Management Responding to Change*. Alaska Sea Grant College Program, Fairbanks.
42. Lowe, M. and **C. Carothers**, editors. 2008. *Enclosing the Fisheries: People, Places, and Power*. American Fisheries Society, Symposium 68, Bethesda, MD.

Book Reviews

43. **Carothers, C.** 2010. Book review of *Aleut Identities: Tradition and Modernity in an Indigenous Fishery* by Katherine L. Reedy-Maschner. 2010. McGill-Queen's University Press. *Alaska Journal of Anthropology* 8(1): 141-143.

Policy Briefs

44. **Carothers, C.**, A. Seitz, T. Sutton. 2018. How is climate change affecting subsistence (or traditional) fisheries in the high Arctic? Invited policy brief contributed to Arctic Answers. Available at: <https://www.searcharcticsscience.org/arctic-answers>
45. **Carothers, C.** and R. Donkersloot. 2018. Turning the Tide: Addressing the Graying of the Fleet & Loss of Rural Fisheries Access in Alaska. Invited briefing for North Pacific Fisheries Management Council. Available at: <http://fishermen.alaska.edu>

Conference Proceedings

46. Donkersloot, R. and **C. Carothers**. 2016. Alaska's next generation of fishermen: Understanding factors affecting local fisheries access in coastal Alaska. Pages 37-48 in Cullenberg, P., editor, *Fisheries Access for Alaska— Charting the Future: Workshop Proceedings*. Alaska Sea Grant and University of Alaska Fairbanks, Fairbanks, Alaska.
47. **Carothers, C.** 2009. Tragedy of commodification: Transitions in Alutiiq fishing communities in Alaska. Proceedings of MARE People of the Sea V, University of Amsterdam Press, Amsterdam.
48. **Carothers, C.** 2009. Catch shares and conservation: Exploring community sustainability as a missing link. International Marine Conservation Congress Proceedings. All Academics Inc.
49. **Carothers, C.** 2007. Impacts of halibut IFQs and changing Kodiak communities. Pages 47-50 in P. Cullenberg (editor), *Alaska's Fishing Communities: Harvesting the Future*, Alaska Sea Grant College Program, Fairbanks, AK.
50. **Carothers, C.** and J. Sepez. 2005. Commercial fishing crew demographics and trends in the North Pacific: 1993-2003. Pages 37-40 in P. Cullenberg (editor). *Managing Fisheries, Empowering Communities*. Alaska Sea Grant College Program, Fairbanks, AK.

Reports, Web, and Non-Reviewed Publications

51. **Carothers, C.**, R. Donkersloot, P. Cullenberg, *J. Coleman, and *D. Ringer. 2017. Graying of the fleet in Alaska's fisheries: Defining the problem and assessing solutions in Bristol Bay and the Kodiak Archipelago. NPRB Project 1323 Final report. 101pp.
52. Zanotti, L. and **C. Carothers**. 2018. The leadership and strength project in Utqiagvik, Alaska. Witness Community Highlights. Arctic Consortium of the United States (ARCUS). Available at: <https://www.arcus.org/witness-the-arctic/2018/1/highlight/2>
53. Cullenberg, P., R. Donkersloot, **C. Carothers**, *J. Coleman, and *D. Ringer. 2017. Turning the tide: A review of programs and policies to address access challenges in Alaska fisheries. Available at: <http://fishermen.alaska.edu/turning-the-tide>
54. Zanotti, L. and **C. Carothers**. 2017. A climate of change: Leadership and strength in Utqiagvik, Alaska. www.leadershipandstrength.com

55. Zanotti, L. and **C. Carothers**. 2017. Researcher best practices video. Available at: <https://vimeo.com/197939591>
56. Essington, T., P. Levin, L. Anderson, A. Bundy, **C. Carothers**, F. Coleman, L. Gerber, J. Grabowski, E. Houde, O. Jensen, C. Mollman, K. Rose, J. Sanchirico, T. Smith. 2016. Building effective fishery ecosystem plans: A report from the Lenfest fishery ecosystem task force. Available at: <http://www.lenfestocean.org/news%20and%20publications/published-paper/building-effective-fishery-ecosystem-plans>
57. *Moerlein, K., **C. Carothers**, J. A. Lopez. Observations of changing conditions in northwest Alaska and impacts on subsistence fishing practices. Alaska Park Science 12 (2). Available at: <https://www.nps.gov/articles/aps-v12-i2-c10.htm>
58. **Carothers, C.** *S. Cotton, and *K. Moerlein. 2013. Subsistence use and knowledge of salmon in Barrow and Nuiqsut, Alaska. Final report submitted to the U.S. Department of the Interior, Bureau of Ocean Energy Management and the Coastal Marine Institute. BOEM 2013-0015.
59. Glazier, E., J. Shackeroff, **C. Carothers**, J. Stevens, and R. Scalf. 2009. A report on historic and contemporary patterns of change in Hawaii-based pelagic handline fishing operations. Pelagic Fisheries Research Program Publication, Joint Institute for Marine and Atmospheric Research, University of Hawaii at Manoa, Honolulu, HI.
60. **Carothers, C.** 2000. A comparative study of the sociopolitical factors affecting the declining oyster fisheries in Botany Bay, Australia, and the Chesapeake Bay, United States. Undergraduate Honors Thesis, Awarded highest honors, Cornell University, Advisor: Dr. Bruce Lewenstein.

In Review

61. R. Pollnac, **C. Carothers**, T. Seara, J. Poggie. Evaluating impacts of marine governance on human communities. Environmental Impact Assessment Review.
62. Zanotti, L., **C. Carothers**, *J. Coleman, *C. Apok, *S. Huang, and C. Ambrozek. Community-researcher relationships and the future of environmental social science research. Ecology and Society.
63. Koehn, L. E., T. E. Essington, P. S. Levin, K. N. Marshall, L. G. Anderson, A. Bundy, **C. Carothers**, F. Coleman, J. H. Grabowski, E. Houde, Olaf P. Jensen, C. Möllmann, and A. D. M. Smith. Technical capacity for fishery ecosystem planning to support ecosystem-based fisheries management. Marine Policy.
64. **Carothers, C.**, T. Sformo, *S. Cotton, and J. C. George. Salmon knowledge and use in two Arctic communities, Utqiagvik and Nuiqsut, Alaska. Arctic.

In Advanced Preparation

65. *Olds, A. L., B. Ryan, **C. Carothers**, A. H. Beaudreau, M. V. McPhee. Integrating local and traditional knowledge and historical sources to characterize run timing and abundance of eulachon in the Chilkat and Chilkoot Rivers, Alaska. Marine and Coastal Fisheries.
66. *Chambers, C., **C. Carothers**, G. Helgadóttir, K. Criddle, and A. Seitz. Multiple goals of fisheries management: a case study of the Icelandic lumpfish fishery. Polar Geography.
67. *Coleman, J., **C. Carothers**, R. Donkersloot, *D. Ringer, and P. Cullenberg. Livelihoods, policy, and change in the fishing communities of Bristol Bay, Alaska. Marine Policy.
68. R. Donkersloot, J. Coleman, **C. Carothers**, D. Ringer, P. Cullenberg. Understanding rural fishing livelihoods and community economies in Bristol Bay, Alaska. Marine Policy
69. **Carothers, C.** Retelling the stories in fisheries. Book manuscript.

INVITED PRESENTATIONS

1. **Carothers, C.** 2018. Fisheries privatization: A false panacea for commons management. World Commons Week, International Association for the Study of the Commons (IASC). October 12, 2018.
2. **Carothers, C.** and R. Donkersloot. Turning the tide: A review of programs and policies to address access challenges in Alaska fisheries. North Pacific Fisheries Management Council. Kodiak, Alaska, June 2018.
3. **Carothers, C.** and L. Zanotti. In a climate of change: co-producing knowledge and community-researcher relationships in the Leadership and Strength project in Utqiagvik, Alaska. ARCUS Arctic Research Seminar Series (live-streamed). November 30, 2017. Available at: <https://www.arcus.org/research-seminar-series/archive>
4. Kelly, B., **C. Carothers**, J. Cohen, M. Holland, T. Moon. Science to inform Arctic policy. Invited briefing presentation and panel discussion. U.S. Senate Arctic and Oceans caucuses. September 26, 2017. Washington, D.C.

5. **Carothers, C.** Continuity and change in Alaska's fishery systems. Invited scholar visit to Duke Marine Lab. May 2016. Beaufort, NC.
6. **Carothers, C.** and R. Donkersloot. The graying of the gleet in Alaska's fisheries. Fisheries Access for Alaska: Charting the Future. Invited workshop presentation. Anchorage, AK. January 2016.
7. **Carothers, C.** Alaska's history of fisheries privatization and responses to negative social impacts. Invited workshop participant: Arctic Fisheries and Rights-Based Fisheries Management. Institute of Arctic Studies, Dickey Center for International Understanding, Dartmouth College. September 2015.
8. **Carothers, C.** Background and engagement with human wellbeing & ecosystem-based management. Advancing a Social Science Protocol for Assessing Human Wellbeing in Ecosystem-Based Management, SWIMM Working Group. Seattle, WA (via skype). January 2014.
9. **Carothers, C.** Social and cultural research: Kodiak fisheries and communities. Kodiak Area Native Association and Koniag Roundtable. Kodiak, AK. April 2015.
10. **Carothers, C.,** C. Brown, and K. Moerlein. Researching a total environment of change in northern Alaska. Invited session, Knowledge boundaries: conceptual and methodological challenges in studying indigenous knowledge. American Anthropological Association, San Francisco, CA. November 2012.
11. **Carothers, C.** Fisheries privatization and social transitions: Lessons from Alaska. Marine Fisheries Licensing for the Future workshop, Portland, ME. September 2012.
12. **Carothers, C.** Ethnographic insights to inform ecological research. Long Term Ecological Research Network All Scientists Meeting. Ecological Anthropology Working Group. Estes Park, CO. September 2012.
13. **Carothers, C.** Integrating social science in marine science and management. Alaska Marine Science Symposium. North Pacific Research Board. Anchorage, AK, January 2012.
14. **Carothers, C.** "Rationalized out:" social change in Alaska Native fishing villages. Kodiak Archipelago Rural Regional Leadership Forum, Kodiak, AK, October 2007.
15. **Carothers, C.** Social impacts of rationalization and social change in Kodiak communities. Gulf of Alaska Coastal Communities Coalition, Anchorage, AK, December 2006.
16. **Carothers, C.** Impacts of halibut IFQs and changing Kodiak communities. Harvesting the Future: Alaska's Fishing Communities Conference, Anchorage, AK, September 2006.
17. **Carothers, C.** Community and anthropology in Old Harbor. Alaska Anthropological Association Annual Meeting, Kodiak, Alaska, March 2006.
18. **Carothers, C.** North Pacific fishing crew demographics and trends. Managing Fisheries, Empowering Communities Conference, Anchorage, AK, April 2005.

CONFERENCE, WORKSHOP, AND SYMPOSIA PRESENTATIONS

(*denotes current or former graduate student)

1. Donkersloot, R., **C. Carothers**, J. Black., *J. Coleman, *D. Ringer, *E. Gavenus. 2018. Conceptualizing and measuring wellbeing in Alaska's salmon system. American Fisheries Society, Atlantic City, NJ.
2. Sanders, A. A., L. Medicine Crow, J. Black, and **C. Carothers**. Sharing knowledge from Alaska: Racial equity in salmon management and indigenizing salmon management. Sustainable Agriculture Education Association, Waianae, Hawaii, July 2018.
3. **Carothers, C.,** J. Black, *D. Ringer, *J. Coleman, E. Gavenus, R. Donkersloot. Salmon and people: Understanding relationships and disconnections through time. American Fisheries Society, Western Division meeting, Anchorage, May 2018.
4. **Carothers, C.,** R. Donkersloot, C. Leonetti, *D. Ringer, *A. Salmon. Salmon management to salmon stewardship. Facilitated dialogue. American Fisheries Society, Western Division meeting, Anchorage, May 2018.
5. Donkersloot, R., E. Gavenus, **C. Carothers**, J. Black, *D. Ringer, *J. Coleman. Conceptualizing and measuring well-being in Alaska's salmon systems. American Fisheries Society, Western Division meeting, Anchorage, May 2018.
6. Black, J., *A. Salmon, *J. Scott, **C. Carothers**, R. Donkersloot, *D. Ringer. Indigenizing salmon management: facilitated dialogue. Alaska Native Studies Conference, Juneau, AK. April 14, 2018.
7. Black, J. and **C. Carothers**. Social and cultural dimensions of Alaska's salmon systems. Alaska Forum on the Environment, Anchorage, AK. February 15, 2018.
8. Black, J., **C. Carothers**, R. Donkersloot, J. Scott, *D. Ringer. Indigenizing salmon management: facilitated dialogue. Alaska Forum on the Environment, Anchorage, AK. February 15, 2018.

9. *Ringer, D., **C. Carothers**, R. Donkersloot, P. Cullenberg and *J. Coleman. Privatized access and transformed paradigm of opportunity in Kodiak Archipelago commercial fishing livelihoods. Society for Applied Anthropology. Santa Fe, NM: March-April 2017.
10. *Coleman, J., R. Donkersloot, **C. Carothers**, *D. Ringer, P. Cullenberg. Youth Perceptions of Commercial Fishing and Community in Bristol Bay and Kodiak Archipelago Communities. Society for Applied Anthropology. Santa Fe, NM: March-April 2017.
11. Donkersloot, R., **C. Carothers**, *J. Coleman, *D. Ringer, P. Cullenberg. Pathways to Permit Ownership: Barriers and Resources in Bristol Bay Fishing Communities. Society for Applied Anthropology. Santa Fe, NM: March-April 2017.
12. *Coleman, J., C. Carothers, R. Donkersloot, *D. Ringer, and P. Cullenberg. Youth perceptions of commercial fishing and community in Bristol Bay and Kodiak Archipelago Communities. Alaska Marine Science Symposium. Anchorage, AK, January 2017. (poster)
13. Zanotti, L. and **C. Carothers**. Co-producing knowledge and community-researcher relationships: Reflections from the Leadership and Strength project in Barrow, Alaska. IUCN World Conservation Congress. Honolulu, HI. September 2016. <https://www.youtube.com/watch?v=SnW-pir7Ync>
14. Donkersloot, R. and **C. Carothers**. Reconstructing stewardship: local conservation practices and principles in Alaska's small-scale fisheries. International Marine Conservation Congress. St. John's, Newfoundland, July 2016.
15. *Apok, Charlene Aqqik, Zanotti, L., **C. Carothers**, and *S. Huang. Healing is Empowerment: Reducing the Incarceration & Recidivism Rates of Native Women and restoring their Place in Culture and Community. Alaska Native Studies Conference. April 2016, Anchorage, AK.
16. *Huang, S., L. Zanotti, *C. Apok, C. Ambrozek and **C. Carothers**. 2016. Grounded in place: Collaborative research experiences in Barrow, Alaska. Undisciplined Environments International Conference of the European Network of Political Ecology (ENTITLE). March 2016 Stockholm, Sweden.
17. *Coleman, J., **C. Carothers**, R. Donkersloot, *D. Ringer, and P. Cullenberg. Broken links: how limited entry, markets, and family have transformed access to and participation in the commercial fisheries of Bristol Bay, Alaska. Society for Applied Anthropology. Vancouver, British Columbia, March 2016.
18. *Ringer, D., **C. Carothers**, *J. Coleman, R. Donkersloot, and P. Cullenberg. For generations to come: sustainable livelihoods within the Kodiak Archipelago commercial fishing industry. Society for Applied Anthropology. Vancouver, British Columbia, March 2016.
19. *Coleman, J., R. Donkersloot, **C. Carothers**, *D. Ringer, and P. Cullenberg. Broken links: How limited entry, markets, and family have transformed access to and participation in Bristol Bay's commercial fisheries. Alaska Marine Science Symposium. Anchorage, AK. January 2016.
20. Donkersloot, R., C. Carothers *D. Ringer, *J. Coleman, P. Cullenberg. Graying of the Fleet in Kodiak's Fisheries: Defining the Problem and Assessing Solutions. Alaska Marine Science Symposium. Anchorage, AK. January 2016.
21. Winsor, P., S. Danielson, **C. Carothers**, G. Clough, L. Kayotuk, and P. Lestenkof. Coastal Community Ocean Observers (C2O2): A network of community-driven coastal ocean observations. Alaska Marine Science Symposium. Anchorage, AK. January 2016.
22. **Carothers, C.** Panelist. Co-production of knowledge and research process. UAF College of Rural and Community Development and the Tribal Management Program, Co-Management Symposium. Fairbanks, AK. November 2015.
23. **Carothers, C.** Ethnographic views of people and salmon in Alaska. American Fisheries Society, Alaska Chapter. Homer, AK. November 2015.
24. **Carothers, C.**, S. Breslow, and the SWIMM Working Group. Conceptualizing and operationalizing "human wellbeing" for environmental science and management. American Fisheries Society. Homer, AK. November 2015.
25. *Coleman, J., R. Donkersloot, **C. Carothers**, *D. Ringer, and P. Cullenberg. Broken links: How limited entry, markets, and family have transformed access to and participation in Bristol Bay's commercial fisheries. American Fisheries Society. Homer, AK. November 2015.
26. *Ringer, D., **C. Carothers**, R. Donkersloot, *J. Coleman, and P. Cullenberg. For generations to come: human dimensions and community well-being within the Kodiak archipelago commercial fishing industry. American Fisheries Society. Homer, AK. November 2015.
27. *Young, R. C., A. Kitaysky, **C. Carothers**, and I. Dorresteijn. Ecosystem services of seabirds on the Pribilofs: a community-based study. World Seabird Conference. Cape Town, South Africa. October 2015.

28. Charnley, S., **C. Carothers**, T. Satterfield, K. Norman, M. Poe, J. Donatuto, S. Breslow, and A. Levine. Best available social science for environmental decision-making. International Congress for Conservation Biology. Montpellier, France. August 2015.
29. Breslow, S., X. Basurto, A. Agrawal, **C. Carothers**, S. Charnley, S. Coulthard, N. Dolsak, J. Donatuto, C. Garcia-Quijano, P. Levin, M. Mascia, K. Norman, M. Poe, T. Satterfield, B. Sojka, and K. St. Martin. Defining human wellbeing for conservation: a social science framework. International Congress for Conservation Biology. Montpellier, France. August 2015.
30. Hicks, C., A. Levine, A. Agrawal, X. Basurto, S. Breslow, **C. Carothers**, S. Charnley, S. Coulthard, N. Dolsak, J. Donatuto, C. Garcia-Quijano, M. Mascia, K. Norman, M. Poe, T. Satterfield, K. St. Martin, and P. Levin. Leaving Eden: social science and the quest for sustainability in the Anthropocene. International Congress for Conservation Biology. Montpellier, France. August 2015.
31. **Carothers, C.** and R. Donkersloot. Overview of Alaska's Next Generation of Fishermen Research Study. Alaska Marine Conservation Council annual board meeting. Anchorage, AK. April 2015.
32. *Ringer, D. and **C. Carothers**. Alaska's Next Generation of Fishermen in Kodiak. Presentation at the Baranov Museum. Kodiak, AK. April 2015.
33. **Carothers, C.** Continuity and change in Kodiak fisheries and the Kodiak fishing community. Society for Applied Anthropology. Pittsburgh, PA. March 2015.
34. *Lyons, C. and **Carothers, C.** Means, meanings, and contexts: a framework for integrating qualitative social data into assessments of community vulnerability. Society for Applied Anthropology. Pittsburgh, PA. March 2015.
35. Donkersloot, R. and **Carothers, C.** Alaska's Next Generation of Fishermen: Access and Upward Mobility in Commercial Fisheries. Southwest Alaska Municipal Conference. Anchorage, AK. March 2015.
36. **Carothers, C.** Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. Alaska Marine Science Symposium, Anchorage, AK. January 2015.
37. **Carothers, C.** Communicating Ocean Sciences Workshop. Engaging communities throughout the research process. Alaska Marine Science Symposium, Anchorage, AK. January 2015.
38. **Carothers, C.** Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. Kodiak Archipelago Rural Regional Leadership Forum, Kodiak, AK. January 2015.
39. *Ringer, D., *J. Coleman, **C. Carothers**, R. Donkersloot, and P. Cullenberg. Graying of the fleet: Alaska's next generation of commercial fishermen. Alaska Marine Science Symposium. Anchorage, AK, January 2015. (poster)
40. *Coleman, J., D. Ringer, **C. Carothers**, R. Donkersloot, and P. Cullenberg. Graying of the fleet: Alaska's next generation of commercial fishermen. American Fisheries Society, Alaska Chapter. Juneau, AK, October 2014. (poster)
41. *Chambers, C. and **C. Carothers**. Thirty years after privatization: Opportunities and constraints in fishing livelihoods in Iceland. 2nd World Small Scale Fisheries Congress, Merida, Mexico, September 2014.
42. *Peterson, M., F. J. Mueter, **C. Carothers**, K. R. Criddle, A. Haynie. Toothed whale interactions with longline fisheries in Alaska and economic implications. North Pacific Fisheries Organization Annual Science Meeting. Fall 2014.
43. **Carothers, C.** Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. Institute for Social and Economic Research, Anchorage, AK. December 2013.
44. **Carothers, C.** and *Jesse Coleman. Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. American Anthropological Association, Chicago, IL. November 2013.
45. **Carothers, C.** Ethnography and participant observation of Nuiqsut's subsistence fisheries. Alaska EPSCoR meeting, Fairbanks, AK. October 2013.
46. **Carothers, C.** and Jesse Coleman. Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. Arctic AAAS, Kodiak, AK. September 2013.
47. **Carothers, C.** Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. Too Big to Ignore Working Group 5: Fishing Futures in North America, Vancouver, BC. June 2013.
48. **Carothers, C.** and *J. Coleman. Fisheries privatization, sociocultural transitions and well-being in Kodiak fisheries. Fisheries Division Seminar Series, UAF. April 2013.
49. **Carothers, C.** and *J. Coleman. Social transitions and well-being in Kodiak fisheries. Society for Applied Anthropology, Denver, CO. March 2013.

50. Lopez, A., **C. Carothers**, *K. Moerlein, C. Brown, D. Anderson, and B. Retherford. Cultural consensus analysis in climate change studies. Western Alaska Interdisciplinary Science Conference, Nome, AK. March 2013.
51. **Carothers, C.** Co-organizer and co-chair, Challenges and opportunities in a transdisciplinary world: working at the intersection of social and natural sciences in fisheries panel. American Fisheries Society, Alaska Chapter, Kodiak, AK. October 2012.
52. **Carothers, C.** Social transitions and wellbeing in Kodiak's fisheries and communities. Kodiak Seafood and Marine Science Center, Kodiak, AK, July 2012.
53. **Carothers, C.**, A. Lopez, *K. Moerlein, and *S. Cotton. Climate change and subsistence fisheries in northern Alaska. Alaska Marine Science Symposium. Anchorage, AK, January 2012.
54. *Moerlein, K. and **C. Carothers**. 2012. Observations and implications of climate change in northwestern Alaska. Alaska Marine Science Symposium. Anchorage, AK, January 2012. (poster)
55. *Cotton, S. C. George, and **C. Carothers**. 2012. An interdisciplinary description of the Elson Lagoon subsistence fishery. Alaska. Alaska Marine Science Symposium. Anchorage, AK, January 2012. (poster)
56. **Carothers, C.** Eruptions of subsistence and oil in Arctic Alaska. American Anthropological Association, Montreal, Canada, November 2011.
57. **Carothers, C.** Total environment of change: impacts of climate change and sociocultural transitions in northern Alaska. University of Alaska Fairbanks, Department of Anthropology, November 2011.
58. Brown, C., A. Lopez, D. Anderson, **C. Carothers**, *K. Moerlein, and B. Retherford. Assessing agreement about climate change. University of Alaska Fairbanks, Climate Change Seminar, November 2011.
59. *Cotton, S. and **C. Carothers**. Subsistence use and knowledge of salmon in Barrow and Nuiqsut. NPR-A Subsistence Advisory Panel, Fairbanks, AK, November 2011.
60. **Carothers, C.** and *C. Chambers. Fisheries privatization, sociocultural transitions, and well-being in Kodiak, Alaska. Lowell-Wakefield Fisheries Symposium: Fishing Peoples of the North: Cultures, Economies, and Management Responding to Change. Anchorage, AK, September 2011.
61. **Carothers, C.** Enduring ties: Salmon and the Sugpiat of the Kodiak Archipelago, Alaska. International Congress of Arctic Social Sciences, Akureyri, Iceland, June 2011.
62. Chambers, C.P. and **C. Carothers**. Oral History of Fisheries in Alutiiq Communities in Kodiak, Alaska. 7th International Congress of Arctic Social Sciences, Akureyri, Iceland, June 2011.
63. **Carothers, C.** Fisheries privatization and shifting human-environment Relationships in the Kodiak Archipelago. Kodiak Area Marine Science Symposium, Kodiak, AK, April 2011.
64. **Carothers, C.** Climate change and subsistence fisheries in northern Alaska. Institute of Marine Science Seminar Series, University of Alaska Fairbanks, April 2011.
65. **Carothers, C.** Climate change and subsistence fisheries in northern Alaska. Society for Applied Anthropology, Seattle, WA, March 2011.
66. *Chambers, C. and **C. Carothers**. Oral history of fisheries in Alutiiq communities. Society for Applied Anthropology, Seattle, WA, March 2011.
67. *Chambers, C. and **C. Carothers**. Fish as food: From pallet to plate to palette. Alaska Anthropological Association, Fairbanks, AK, March 2011.
68. *Peterson, M., **C. Carothers**, and F. Mueter. An interdisciplinary investigation of the changing relationship between longline fishermen and cetaceans in Alaska. Lowell Wakefield Symposium, Ecosystems 2011: Fishing Peoples of the North: Cultures, Economies and Management Responding to Change, Anchorage, AK, September. Best Student Poster Award.
69. *Lyons, C., G. Eckert, and **C. Carothers**. Social-ecological systems as management tools: Pribilof Island blue king crab recovery. Polar IGERT conference, "Understanding Rapid Environmental and Social Change in the Arctic: Bridging Traditional Knowledge and Interdisciplinary Science across IGERTs," Juneau, AK, March 2011.
70. *Chambers, C.P and **C. Carothers**. Transitioning marine-dependent livelihoods. Polar IGERT conference, "Understanding Rapid Environmental and Social Change in the Arctic: Bridging Traditional Knowledge and Interdisciplinary Science across IGERTs," Juneau, Alaska, March 2011.
71. *Moerlein, K. and **C. Carothers**. Local observations of climate change and impacts on subsistence fisheries in Noatak, Alaska. Alaska Anthropological Association, Fairbanks, AK, March 2011.
72. *Woods, S. and **C. Carothers**. Subsistence use and knowledge of Beaufort Sea salmon populations. Alaska Marine Science Symposium, Anchorage, AK, January 2011.

73. **Carothers, C.** Climate change and subsistence fisheries in northern Alaska. Climate Change Seminar, University of Alaska Fairbanks, November 2010.
74. **Carothers, C.** Organizer and Chair, Multiple ways of knowing in fisheries science and management panel, American Fisheries Society, Alaska Chapter, Juneau, AK, November 2010.
75. *Moerlein, K. and **C. Carothers.** Local observations and knowledge of environmental change and impacts on subsistence fisheries: A case study of two communities in northwest Alaska. American Fisheries Society, Alaska Chapter, Juneau, AK, November 2010.
76. *Peterson, M. and **C. Carothers.** Moby Dick and Captain Ahab reinvented: effects of cetacean depredation on Alaskan longline fishermen. Lowell Wakefield Symposium, Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management, Anchorage, AK, November 2010. Best Student Poster Award.
77. *Chambers, C. and **C. Carothers.** Transitioning marine-dependent communities in northern Iceland. Lowell Wakefield Symposium, Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management, Anchorage, AK, November 2010. (poster)
78. **Carothers, C.** Climate change and subsistence fisheries in northern Alaska. American Fisheries Society, Pittsburgh, PA, September 2010.
79. **Carothers, C.** and *R. Warren. No community left behind: models of rural resistance in Alaska. Society for Applied Anthropology, Merida, Mexico, March 2010.
80. *J. Raymond-Yakoubian and **C. Carothers.** Science, translation, and resistance in the big fish bureaucracy of the US North Pacific. American Anthropological Association, Philadelphia, PA, November 2009.
81. **Carothers, C.** From cannery boats to ITQs: transforming Alutiiq fishing communities in Alaska. Centre for Maritime Research, Amsterdam, Netherlands, July 2009.
82. **Carothers, C.** Catch shares and conservation: exploring community sustainability as a missing link. International Marine Conservation Congress, Washington, D.C., May 2009.
83. **Carothers, C.** Historical transformations in Kodiak Alutiiq fishing villages. Society of Applied Anthropology, Santa Fe, NM, March 2009.
84. **Carothers, C.** Connecting fisheries to places: The Community Quota Entity Program in the Gulf of Alaska. Inland Northwest Research Alliance, Fairbanks, AK, March 2009.
85. **Carothers, C.** Privatizing the right to fish: challenges to livelihood and community in Kodiak, Alaska. Alaska Marine Science Symposium, Anchorage, AK, January 2009.
86. **Carothers, C.** and E. Glazier. Sardines to sanctuary: an account of changing ethos and use of space along the central California coast. Co-organizer and Co-chair, Marine protected areas: Emerging issues in collaboration, inclusion, and engagement in marine resource governance. American Anthropological Association, San Francisco, CA, November 2008.
87. **Carothers, C.** and E. Glazier. Patterns of distribution of pelagic seafood on the island of Oahu: Preliminary results from the PFRP fish flow project. Pelagic Fisheries Research Program, P.I. Meeting, University of Hawaii at Manoa, November 2008.
88. **Carothers, C.** Fisheries privatization in Alaska: Framing the debate. Organizer, Enclosing the Marine Commons: Drivers of Access Restriction. Society for Applied Anthropology, Annual Meeting, Memphis, TN, March 2008.
89. **Carothers, C.** Realities of rationalization: Social impacts and framing the debate. Co-chair and organizer, International community impacts of fisheries privatization panel, American Anthropological Association, San Jose, CA, November 2006.
90. Lew, D., **C. Carothers,** and J. Sepez. Quota share emigration and small remote fishing communities in the Gulf of Alaska halibut fishery. International Institute of Fisheries Economics and Trade Biennial Conference, Portsmouth, UK, July 2006.
91. **Carothers, C.** Fishing quotas and communities: a case study from the Gulf of Alaska. American Fisheries Society Annual Meeting, Anchorage, AK, September 2005. A. Stephen Weithman Paper Award.
92. **Carothers, C.** Fishing quotas and communities: a look at distributional equity in IFQ fisheries in the Gulf of Alaska. Fisheries & Marine Ecosystems Graduate Student Conference, Bainbridge Is., WA, April 2005.
93. **Carothers, C.** and J. Sepez. Commercial fishing crew demographics of the North Pacific: 1993-2003. Society for Applied Anthropology Annual Meeting, Santa Fe, NM, April 2005.
94. **Carothers, C.** and J. Sepez. Commercial fishing crew demographics of the North Pacific. National Marine Fisheries Service Economic and Social Sciences Workshop, New Orleans, LA, October 2004.

95. Peña, D. and **Carothers C.** Critical political ecology of governance norms: A comparative study of acequia customary law and the Colorado appropriative rights doctrine. International Association for the Study of Common Property Annual Conference, Oaxaca, Mexico, August 2004.
96. **Carothers, C.** Science as sovereign: fact and value in U.S. fisheries management. The Society for Cultural Anthropology, Portland, OR, May 2004.
97. Norman, K, J. Sepez, A. Poole, B. Tilt, and **C. Carothers.** Methodological and theoretical issues in the assessment of fishing communities. The World Fisheries Congress, Vancouver, BC, May 2004.

II. TEACHING

Since joining the Department of Fisheries faculty in 2008, I have developed three new permanent courses in the human dimensions of environmental systems that enhance our program and serve the needs of students in a range of departments across campus and across the state. An integral part of my teaching mission is advising graduate and undergraduate students. The graduate students under my advisement have been successful in obtaining prestigious positions, fellowships and grant funding; presenting and publishing their findings; and receiving awards and recognition for their work under my guidance. I actively recruit and mentor Alaska Native students and work in a variety of ways to strengthen the diversity of our student body, curriculum, campus, and community.

COURSES TAUGHT

University of Alaska Fairbanks

- FISH 290/490: Experiential Learning: Fisheries Internship
- FISH 411/611: Human Dimensions of Environmental Systems
- ANTH/FISH 412/613: Human-Environment Research Methods
- ANTH/BIO/ECON/NRM 647: Global to Local Sustainability (co-taught, F. Stuart Chapin, III)
- ANTH/FISH 675: Political Ecology
- FISH/MSL 692: Innovative Approaches to Marine Ecosystems (co-taught, Ginny Eckert)
- FISH 697: Social Aspects of Fisheries

University of Washington

- ANTH 210: Environmental Anthropology

GRADUATE STUDENT ADVISING

Current Ph.D. Students

- Coleman, Jesse. A management strategy evaluation of restricted-access management and commercial fishery-dependent communities in Bristol Bay, Alaska. Funding: North Pacific Research Board research assistantship. Entered Fall 2014.
- Mack, Liza (Aleut). Political ecology of resource management in Indigenous Alaska. Funding: MESAS NSF Fellow. Andrew W. Mellon Foundation Dissertation Fellowship. National Science Foundation (NSF) Dissertation Improvement Grant. Entered 2011. (co-advised with Ray Barnhardt)
- Magdanz, Jim. Alaska rural village subsistence economies. Resilience and Adaptation Program Fellow. (co-advised with Joshua Greenburg). Entered 2012.

Former Graduate Advisees

- Apok, Charlene (Iñupiaq). Resilient Spirits. M.A. Rural Development. Supported with National Science Foundation RA funding. (co-advised with Jenny Bell Jones). Graduated Spring 2016. Current position: Researcher, Southcentral Foundation, Anchorage, Alaska.
- Chambers, Catherine. Ph.D. Fisheries. Fishing Livelihoods and Fisheries Management in Iceland. Funding: Marine Ecosystem Sustainability in the Arctic and Subarctic (MESAS) Fellow, Fulbright Student Scholarship, Leifur Eiriksson Foundation Scholarship. Graduated Summer 2016. Current position: Director, Coastal and Marine Management Program, University Centre of the Westfjords, Iceland.
- Cotton (Woods), Shelley (Yup'ik). M.S. Fisheries. Thesis: Subsistence Use and Knowledge of Salmon in the Beaufort Sea. Funding: SELMR Fellow, Sloan Foundation Fellow, Bristol Bay Native Corporation Education Foundation Scholarship. Graduated Fall 2012. Current position: Supervisor, Amazon, Grand Forks Afb, North Dakota.
- Lyons, Courtney. Ph.D. Ecosystems, Social-Ecological Systems, and Culture: Using Systems Perspectives to Inform Fisheries Management in the Pribilof Islands, Alaska. Funding: MESAS Fellow, Rasmuson Fisheries Research Center Fellow, NSF Dissertation Improvement Grant (Arctic Social Sciences). (co-

advised with Ginny Eckert). Graduated Summer 2015. Current position: Postdoctoral Research Associate, University of Alaska Fairbanks.

Moerlein, Katie. M.S. Fisheries. Thesis: Climate Change and Subsistence Fisheries in Northwest Alaska. Funding: U.S. Fish and Wildlife Service and George Melendez Wright Climate Change Fellowship, National Park Service. Graduated Spring 2012. Current position: Nurse, Homer, Alaska.

Peterson, Megan. Ph.D. Fisheries. Dissertation: Impacts of Killer Whale and Sperm Whale Depredation on Alaska Longline Fisheries. Funding: MESAS Fellow, NSF Dissertation Improvement Grant (Arctic Social Sciences), Alaska EPSCoR Graduate Research Award, and Rasmuson Fisheries Research Center Fellow. (co-advised with Franz Mueter). Graduated Fall 2013. Current position: Contract Analyst at Seafood Watch and Ocean Conservancy, Truckee, California.

Ringer, Danielle. M.A., Interdisciplinary Studies: Political Ecology of Fisheries. For generations to come: Exploring local fisheries access and community viability in the Kodiak Archipelago. Funding: Alaska Sea Grant. Graduated Fall 2016. Current position: Research Associate, College of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Kodiak, Alaska.

Committee Memberships

UAF: Ashley Bolwerk, M.S., Fisheries; AlexAnna Salmon (Yup'ik), M.A., Rural Development; Julie Raymond-Yakoubian, Ph.D., Anthropology; Jess Grunblatt, Ph.D., Interdisciplinary Studies; Elizabeth Figus, Ph.D. Fisheries; Davin Holen, Ph.D., Anthropology; Rebecca Young, Ph.D., Biology; Joshua Ream, Ph.D., Interdisciplinary Studies; Corrine Knapp, Ph.D., Interdisciplinary Studies; Allyson Olds (Hughes) (Tlingit), M.S., Fisheries; David Runfola M.S., Fisheries; Stefan Tangen, M.S., Natural Resource Management; Nina Olivier, M.S., Natural Resource Management

Purdue University: Sarah Huang, M.S. Anthropology; Kate Haapala, Ph.D., Anthropology

Alaska Pacific University: Karli Tyance, M.S. Environmental Science

III. SERVICE

I maintain a strong commitment to public, professional, and university service. I have worked closely with the Kodiak Archipelago Rural Regional Leadership Forum over the past thirteen years, building an important relationship between the university and this innovative group of rural community leaders. I frequently give presentations in rural schools, mentor youth, and advise community and tribal organizations. I serve in a professional capacity on several international and national expert panels, organize and lead conferences and professional associations, and act as a subject editor and frequent referee for a number of journals. At the university level, I serve as a faculty senator, chair of our departmental undergraduate committee, among numerous other current and past appointments. I have taken a leadership role in restructuring our fisheries degree programs to include required coursework in the human dimensions of fishery systems for all of our undergraduate and graduates students. This leadership continues as I work to help our faculty, students, and staff work toward increased racial equity in our on- and off-campus work.

PROFESSIONAL SERVICE

Science Panel Member, North Pacific Research Board, 2014-present

Subject editor, *Conservation and Society*, 2013-present

Expert Panel Member, Alaska Sustainable Salmon Fund, 2009-present

Member, Study of Environmental Arctic Change (SEARCH) Science Steering Committee, 2015-2018

Co-organizer, Long-term Challenges to Alaska's Salmon and Salmon-Dependent Communities. Anchorage, AK, November 2016.

Member, Steering Committee, Fisheries Access for Alaska: Charting the Future. Anchorage, AK, January 2016.

Member, Lenfest Ecosystem-Based Fisheries Management Task Force, 2014-2016

Member, Social Wellbeing Indicators for Marine Management (SWIMM) Working Group, 2013-2016

Program Chair, American Anthropological Association, Anthropology & the Environment Section, 2011-2014

Expert Panel Member, Alaska Department of Fish and Game and Governor's Office, Chinook Salmon Symposium. October 2012.

Expert Panel Member, Peer Review of the. One of 12 international experts nominated and selected to review this draft document. May-September 2012.

Organizing Committee Member, American Fisheries Society, Alaska Chapter, Kodiak AK, May - October 2012

Steering Committee Co-chair, Lowell-Wakefield Fisheries Symposium 2011: Fishing Peoples of the North: Cultures, Economies and Management Responding to Change, Anchorage, AK, 2009-2011
Organizing Committee Member, Fisheries and Marine Ecosystems, Bainbridge Island, WA, 2005
Organizing Committee Member, Society for Ethnobiology Annual Meeting, Seattle, WA, 2004
Reviewer: Alaska Journal of Anthropology, American Anthropologist, American Ethnologist, American Fisheries Society, Bullfrog Films, California Sea Grant, Deep Sea Research, Duke University, Ecology & Society, Environmental Management, Fish and Fisheries, Human Organization, Journal of Peasant Studies, Journal of Political Ecology, Marine and Coastal Fisheries, Marine Policy, Maritime Studies (MAST), Memorial University of Newfoundland, National Science Foundation, North Pacific Research Board, Routledge Press, Social Sciences and Humanities Research Council of Canada, Society & Natural Resources, Oregon Sea Grant, U of Nebraska Press, University of New Hampshire, World Development

PUBLIC SERVICE

Member, Salmon Connect partnership, 2016-present
Advisor, Kodiak Archipelago Rural Regional Leadership Forum, 2005-present
Organizing member, University of Alaska Center for Salmon and Society, 2015-present
Board Member, The Salmon Project, September 2013-2016
Presentation and science judge and recruiter. Alaska Tsunami Bowl, National Ocean Sciences Bowl, Seward, AK. 2013 and 2018.
Community and school presentations: Barrow, Kodiak, Larsen Bay, Noatak, Nuiqsut, Selawik, Shungnak, Old Harbor, and Ouzinkie
Policy briefings: U.S. Senate Arctic and Oceans caucuses, September 2017, Washington, D.C., North Pacific Fishery Management Council, June 2018.

Selected press:

- As costs rise, Walker signs bill to increase fishing loan limits. Elizabeth Earl. 09/12/2018. Alaska Journal of Commerce. <http://www.alaskajournal.com/2018-09-12/costs-rise-walker-signs-bill-increase-fishing-loan-limits#.W6KUV5NKjUJ>
- Are ITQs the best tool for fisheries management? Kathy Johnson. Forthcoming. November 2018. [Navigator Magazine](#)
- A [UAF press release](#) highlighted a new study coauthored by Courtney Carothers investigating the shortcomings of ITQ systems for fisheries. The press release was republished in [Science Daily](#), [SitNews](#) and [Science Magazine](#). September 2018.
- Alaska Fish Radio (February 5, 2018; <http://www.alaskafishradio.com/report-aims-keep-young-fishermen-fishing/>)
- Alaska Fish Radio (January 16, 2017; <http://www.alaskafishradio.com/kodiak-fishermen-happy-jobs-not-privatized-catches/>)
- Seafood News. New Report Finds Rural Alaska Losing Access to Fisheries SEAFoodNEWS.COM [AK Public Media] by Berett Wilber - December 21, 2017
- KHNS, Haines, AK (December 20, 2017; <http://khns.org/rural-alaska-losing-access-to-fisheries-report-says>)
- Undercurrent News (December 6, 2016; <https://www.undercurrentnews.com/2016/12/06/aging-workforce-poses-challenge-to-alaska-fishings-future/>)
- Fish Radio (November 1, 2016; <http://www.alaskafishradio.com/workshop-to-focus-on-long-term-challenges-to-alaskas-salmon/>)
- Anchorage Dispatch News (June 26, 2016; <http://www.adn.com/alaska-life/we-alaskans/2016/06/28/beached/>)
- Associated Press (June 20, 2016; <http://bigstory.ap.org/article/3e83063b72bf44a8bed206c801a0b15c/high-costs-discourage-young-alaskans-commercial-fishing>) featured in many major news publications, including the New York Times and ABC News.
- UAF Cornerstone (April 14, 2016; <http://news.uaf.edu/study-highlights-importance-of-social-considerations-in-sustainable-management/>)

- Huffington Post (April 5, 2016; http://www.huffingtonpost.com/entry/human-wellness-climate-change_us_57026c56e4b0a06d58061679)
- EnviroSociety (Nov. 19, 2015; <http://www.envirosociety.org/tag/courtney-carothers/>)
- Hermann, J. First themes emerge from study about graying of fishing fleet. Kodiak Daily Mirror. April 17, 2015.
- Messick, J. Study Examines Decline in Young Rural Alaska Fishermen. Alaska Dispatch. March 21, 2015. Available at: <http://www.adn.com/article/20150321/study-examines-decline-young-rural-alaska-fishermen>
- Cordova Times (January 26, 2015)
- Anthropology and Environment Society (March 4, 2013 <http://ae.americananthro.org/index.php/q-and-a-on-courtney-carothers-and-catherine-chambers/>)
- Anchorage Daily News (June 23, August 4, August 10, August 11, 2012)
- KTUU Anchorage (January, August 2012)
- KMXT Kodiak, Alaska Fisheries Report (January 5, 2012; May 31, 2012; January 30, 2015; February 19, 2015)
- Fish Radio, Marine Conservation Alliance (June 14, 2012)
- Kodiak Daily Mirror (multiple interviews 2011-2016)

UNIVERSITY SERVICE

University of Alaska Fairbanks

- Chair, Department of Fisheries Undergraduate Committee, 2017-present
- Member, Faculty Senate, 2017-present
- Member, Faculty Affairs Committee, 2017-present
- Member, Representative Assembly, UNAC Union, 2018
- Member, Search Committee, Alaska Sea Grant Director, 2018
- Member, Organizing Team, UA Center for Salmon and Society, 2014-present
- Member, UAF Program Review Committee, 2012-2013
- Member, UAF Honors Faculty Advisory Council, 2012-2014
- Chair, Seminar committee, Fisheries Division, 2012-2013
- Member, Undergraduate Program committee, Fisheries Division, 2015-present
- Member, Graduate Program committee, Fisheries Division, 2011-2015
- Member, Marine Ecosystem Sustainability in the Arctic and Sub-Arctic NSF IGERT Program Steering Committee, Member, 2010-2015
- Member, Outcomes Assessment and Accreditation Review, Fisheries Division, 2010-2011
- Member, Undergraduate Curriculum Review Committee, Fisheries Division, 2008-2010
- Chair and Member, Graduate Curriculum Revision, Fisheries Division, 2008-2010
- Member, Teaching Assistant and Scholarship Committee, Fisheries Division, 2009-2011
- Member, Faculty Search Committee, Anthropology, 2008-2009
- Member, Faculty Search Committee, Anthropology, 2008-2009
- Member, Faculty Search Committee, College of Liberal Arts, 2008-2009

University of Washington

- Member, Department of Anthropology, Development Committee, 2006
- Member, Department of Anthropology, Sub-faculty Appointments Committee, 2004
- Coordinator, Environmental Anthropology Graduate Program Seminar, 2004
- Regional Steward, United Auto Workers Local 4121, 2004-2005

PROFESSIONAL MEMBERSHIPS

- American Fisheries Society, lifetime membership
- International Arctic Social Sciences Association
- Alaska Anthropological Association
- American Anthropological Association
- Society for Applied Anthropology