

KEITH R. CRIDDLE

College of Fisheries and Ocean Sciences—Department of Fisheries, University of Alaska Fairbanks, 17101 Point Lena Loop Road, Juneau, AK 99801
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EDUCATION

- PhD Agricultural Economics, University of California, Davis, 1989
- MS Agricultural Economics, University of California, Davis, 1984
- BS Biological Sciences & Economics, CA State University, Sacramento, 1982

POSITIONS HELD

University of Alaska Fairbanks

- Ted Stevens Distinguished Professor of Marine Policy, College of Fisheries and Ocean Sciences 2006-present
- Associate Professor of Economics, School of Management 1993-98
- Assistant Professor of Economics, School of Management 1989-93
- Coordinator, Master of Marine Policy program, College of Fisheries and Ocean Sciences 2022-present
- Director, Fisheries Division, School of Fisheries and Ocean Sciences July 2011 – June 2015
- Interim Administrative Director, Fisheries Division, School of Fisheries and Ocean Sciences March 2010 – June 2011
- Co-Director, Kodiak Seafood and Marine Science Center, School of Fisheries and Ocean Sciences July 2011 – June 2015
- Interim Dean, School of Management 1997-98
- Chair, Department of Economics, School of Management 1991-92, 1996-97

Utah State University

- Professor, Department of Economics 1998-2006
- Head, Department of Economics 1998-2005
- Graduate Program Director, Department of Economics 2006

National Marine Fisheries Service, Northwest and Alaska Fisheries Science Center, Seattle, WA: Industry Economist 1987-89

National Sea Grant College Program: Knauss Marine Policy Fellow 1986

PROFESSIONAL SERVICE

US National Academies

- Committee on Offshore Science and Assessment 2015-17
- Ocean Studies Board 2007-12
- Fisheries Subcommittee Chair 2008-12
- National Research Council Report Committees
- Effectiveness of International and National Measures to Reduce and Prevent Marine Debris and its Impact (chair) 2007-08
- Evaluate the Sea Grant Program Review Process 2005-06
- Introduction of Nonnative Oysters in the Chesapeake Bay 2002-03
- Review of Education & Training Needs for Fishery Science & Management 2000
- Review of Individual Fishing Quotas 1997-99

US Dept. Commerce,

- North Pacific Fisheries Management Council, Scientific & Statistical Committee 1993-2010
- Committee to Review the Pelagic Fisheries Research Program, University of Hawaii, Manoa 1999, 2000, 2010
- Committee to Review the Pacific Islands Fishery Science Center Pelagic Fisheries Research Program, Honolulu, HI 2009
- Committee to Review the Pacific Islands Fishery Science Center Stock Assessment Research Program, Honolulu, HI 2014

US Dept. Agriculture, Western Regional Aquaculture Center, Technical Steering Committee

1994-97

North Pacific Marine Science Organization (PICES)

- Study Group on Human Dimensions of Ecosystem-based Fisheries Management (SG-HD), member 2010-11
- Section on Human Dimensions of Marine Systems (S-HD), co-chair 2012-17
- Study Group on Socio-Ecological-Environmental Systems (SG-SEES), member 2014-16
- Human Dimensions Committee (HD), chair 2016-19
- Science Board (SB), member 2016-19
- Working Group for Third North Pacific Ecosystem Status Report (WG-35) 2016-19

Resource Modeling Association

- Board of Directors 2002-10
- President Elect, President, Past President 2009-12

American Fisheries Society

- Socioeconomics Section: President Elect, President, Past President 2015-18

National Association of Agricultural Economics Administrators, Secretary/Treasurer

2001-03

Associate Editor, *Natural Resource Modeling*

2007-present

Editorial Board Member, *Marine Policy*

2015-present

Editorial Board Member, *Aquatic Living Resources*

2019-present

Associate Editor, *Marine Resource Economics*

1993-2003

Pollock Conservation Cooperative Research Center (PCCRC)

- Advisory Board member 2006-present

- Advisory Board Executive Director 2014-present

Southeast Alaska Community and Economic Development Cluster Working Group, Juneau Economic Development Council

2011-present

Cache County Agricultural Advisory Board

2003-04

Utah Council for Economics Education

2000-05

RESEARCH AND TEACHING INTERESTS

My research explores the intersection between the natural sciences, economics, and public policy and is driven by an interest in the sustainable management of living marine resources of the North Pacific. I direct graduate projects in bioeconomics, statistical inference, and policy analysis and teach courses in resource and environmental economics, econometrics and time series analysis, operations research and decision theory, fisheries law, policy analysis, and economic development for fisheries-dependent communities.

RESEARCH PUBLICATIONS, PRESENTATIONS, AND GRANTS

REFEREED JOURNALS

Williamst BC, KR Criddle GH Kruse. 2021. An agent-based model to examine parallel and divergent fishery management strategies for transboundary stocks. *Natural Resource Modeling* (DOI: 10.1111/nrm.12305)

Figust E, KR Criddle. 2019. Characterizing preferences of fishermen to inform decision-making: a case study of the Pacific halibut (*Hippoglossus stenolepis*) fishery off Alaska. *PLoS ONE* 14(3):e0212537 (doi.org/10.1371/journal.pone.0212537)

Chenoweth E, KR Criddle. 2019. The economic impacts of humpback whale depredation on hatchery-released juvenile Pacific salmon in Southeast Alaska. *Marine and Coastal Fisheries* 11(1):62-75. (http://dx.doi.org/10.1002/mcf2.10061)

Figust E, KR Criddle. 2019. Comparing self-reported incidental catch among fishermen targeting Pacific halibut and a fishery-independent survey. *Marine Policy* 100: 371-381. (https://doi.org/10.1016/j.marpol.2018.12.008)

Sugihara G, KR Criddle, H Yef, A Lee, G Pao, C James, E Saberski, A Giron-Nava. 2018. Comprehensive incentives for reducing Chinook salmon bycatch in the Bering Sea walleye pollock fishery: Individual Tradable Encounter Credits. *Regional Studies in Marine Science* 22: 70-81. (https://doi.org/10.1016/j.risma.2018.06.002)

Powell JE, Wipfli MS, Criddle KR, Schoen E. 2018. Will Alaska's fisheries regime prove resilient? Kenai River fishery management as a model for adaptive governance. *Fisheries* 43(1): 26-30. (https://doi.org/10.1002/fsh.10022)

Link JS, Thébaud O, Smith DC, Smith ADM, Schmidt J, Rice J, Poos J-J, Pita C, Lipton D, Kraan M, Frusher S, Doyen L, Cudennec A, Criddle KR, Bailly D. 2017. Keeping humans in the ecosystem. *ICES Journal of Marine Science* 74(7): 1947-1956. (https://doi.org/10.1093/icesjms/fsx130)

Adkison M, KR Criddle. 2017. Incorporating non-baseline characters into genetic mixture analyses. *Fisheries Research* 193: 217-222. (https://doi.org/10.1016/j.fishres.2017.04.016)

Debroyt P, M Krishnan, AD Upadhyay, V Ramasubramanian KR Criddle, VR Kiresu, SK Datta. 2016. Resource distribution, growth, and strategies for enhancing fish production in north-eastern states of India. *Indian Journal of Fisheries* 63(2): 1-7. (DOI: 10.21077/ijf.2016.63.2.37060-01)

Warpinski S, M Herrmann, JA Greenberg, KR Criddle. 2016. Alaska's sablefish fishery after Individual Fishing Quota Program implementation: an international economic market model. *North American Journal of Fisheries Management* 36: 864-875. (DOI:10.1080/02755947.2016.1165766)

Yasumiishi ECM, KR Criddle, JH Helle, N Hillgruber and FJ Mueter. 2016. Effect of population abundance and climate on the growth of two populations of chum salmon (*Oncorhynchus keta*) in the eastern North Pacific Ocean. *Fishery Bulletin* 114(2): 203-219. (doi:10.7755/FB.114.2.7)

Yasumiishi EM, KR Criddle, N Hillgruber, FJ Mueter, JH Helle. 2015. Chum salmon (*Oncorhynchus keta*) growth and temperature indices as indicators for the year class strength of age-1 walleye pollock (*Gadus chalcogrammus*) in the eastern Bering Sea. *Fisheries Oceanography* 24: 242-256. (https://doi.org/10.1111/fog.12108)

Criddle KR, J Strongt. 2014. Straddling the line: Cooperative and non-cooperative strategies for management of Bering Sea pollock. *Fisheries Science* 80: 193-203. (DOI: 10.1007/s12562-014-0722-1)

DeRoyt P, R Jayaraman, M Krishnan, KR Criddle. 2014. Importance of mangrove conservation and valuation to women and men—a case study of Pichavaram mangroves in India. *Asian Fisheries Science* 27S: 79-90.

Essington T, KR Criddle. 2014. Putting a price tag on whales: are conservation markets a viable conservation tool? *Ecological Applications* 24(1): 3. (DOI: 10.1890/13-1590.1)

Makino M, S Kim, A Velikanov, K Criddle, T Funamoto, M Hirota, Y Sakurai. 2014. Introduction: from the birth to the table of walleye pollock *Theragra chalcogramma*. *Fisheries Science* 80: 103-107. (DOI 10.1007/s12562-014-0728-8)

Pan M, KR Criddle, C Severance. 2014. Guest Editors' introduction: catch shares and Pacific Islands Region fisheries. *Marine Policy* 44:1-2. (DOI: 10.1016/j.marpol.2013.08.010)

Petersont MJ, Mueter F, Criddle KR, Haynie AC. 2014. Killer whale depredation and associated costs to Alaskan sablefish, Pacific halibut, and Greenland turbot longliners. *PLoS ONE* 9(2): e88906. (DOI: 10.1371/journal.pone.0088906)

Strongt J, KR Criddle. 2014. A market model of Eastern Bering Sea Alaska pollock: sensitivity to fluctuations in catch and some consequences of the American Fisheries Act. *North American Journal of Fisheries Management* 34: 1078-1094. (DOI: 10.1080/02755947.2014.944678)

Wadswortht RM, KR Criddle, GH Kruse. 2014. Incorporating stakeholder input into research priorities for the Aleutian Islands. *Ocean and Coastal Management* 98: 11-19. (DOI: 10.1016/j.ocecoaman.2014.06.003)

Criddle KR, J Strongt. 2013. Dysfunction by design: the effects of limitations on transferability of catch shares in the Alaska pollock fishery. *Marine Policy* 40: 91-99. (DOI: 10.1016/j.marpol.2013.01.006)

Criddle KR. 2012. Adaptation and maladaptation—factors that influence the resilience of four Alaskan fisheries governed by durable entitlements. *ICES Journal of Marine Science* 69: 1168-1179. (doi: 10.1093/icesjms/fss085)

Steiner E, KR Criddle, MD Adkison. 2011. Balancing biological sustainability with the economic needs of Alaska's sockeye salmon fisheries. *North American Journal of Fisheries Management* 31: 431-444. (DOI: 10.1080/02755947.2011.588917)

Williams AH, M Herrmann, KR Criddle. 2009. The effects of Chilean salmon and trout aquaculture on markets for Alaskan sockeye salmon. *North American Journal of Fisheries Management* 29: 1777-1796. (DOI:10.1577/M08-102.1)

Banik N, B Biswas, KR Criddle. 2009. An optimum currency area in South Asia: a state space approach. *International Review of Economics & Finance* 18: 502-510. (http://dx.doi.org/10.1016/j.iref.2008.04.004)

Criddle KR, M Herrmann. 2008. A state space bioeconomic model of Pacific halibut. *Natural Resource Modeling* 21: 29-60. (DOI:10.1111/j.1939-7445.2008.00003.x)

Olsont TK, KR Criddle. 2008. Industrial evolution: a case study of Chilean salmon aquaculture. *Aquaculture Economics & Management* 12:1-18. (http://dx.doi.org/10.1080/13657300802110687)

Herrmann M, KR Criddle. 2006. An econometric market model for the Pacific halibut fishery. *Marine Resource Economics* 21:129-158. (DOI: 10.1086/mre.21.2.42629501)

Criddle KR, M Herrmann, ST Lee, C Hamelt. 2003. Participation decisions, angler welfare, and the regional economic impact of sportfishing. *Marine Resource Economics* 18:291-312. (DOI: 10.1086/mre.18.4.42629404)

Hamelt C, M Herrmann, ST Lee, KR Criddle, HT Geier. 2002. Linking sportfishing trip attributes, participation decisions, and regional economic impacts in Lower and Central Cook Inlet, Alaska. *Annals of Regional Science* 36: 247-264. (doi:10.1007/s001680200085)

Herrmann M, ST Lee, KR Criddle, C Hamelt. 2001. A survey of participants in the Lower and Central Cook Inlet halibut and salmon sport fisheries. *Alaska Fishery Research Bulletin* 8: 107-117. (http://www.adfg.alaska.gov/FedAidPDFs/AFRB.08.2.107-117.pdf)

Criddle KR, AY Streletskit. 2000. Multiple criterion management of a sequential fishery. *Annals of Operations Research* 94: 259-273. (doi.org/10.1023/A:1018960915225)

† denotes a student co-author

Criddle KR, S Macinko. 2000. A requiem for the IFQ in US fisheries? *Marine Policy* 24: 461-469. ([http://dx.doi.org/10.1016/S0308-597X\(00\)00025-7](http://dx.doi.org/10.1016/S0308-597X(00)00025-7))

Henderson† MM, KR Criddle, ST Lee. 2000. The economic value of Alaska's Copper River personal-use and subsistence fisheries. *Alaska Fishery Research Bulletin* 6: 63-69. (<https://www.adfg.alaska.gov/static-f/home/library/PDFs/afrb/hendv6n2.pdf>)

Criddle KR, M Herrmann, JA Greenberg, EM Feller†. 1998. Climate fluctuations and revenue maximization in the eastern Bering Sea fishery for walleye pollock. *North American Journal of Fisheries Management* 18: 1-10. (doi: 10.1577/1548-8675(1998)018<0001:CFARMI>2.0.CO;2)

Herrmann M, JA Greenberg, KR Criddle. 1998. An economic analysis of pot limits for the Adak brown king crab fishery: a distinction between open access and common property. *Alaska Fishery Research Bulletin* 5: 25-38.

Criddle KR. 1996. Predicting the consequences of alternative harvest regulations in a sequential fishery. *North American Journal of Fisheries Management* 16: 30-40.

(doi: 10.1577/1548-8675(1996)016<0030:PTCOAH>2.3.CO;2)

Herrmann M, KR Criddle, EM Feller†, JA Greenberg. 1996. Estimated economic impacts of potential policy changes affecting the total allowable catch for walleye pollock. *North American Journal of Fisheries Management* 16: 770-782.

([http://dx.doi.org/10.1577/1548-8675\(1996\)016<0770:EEIOPP>2.3.CO;2](http://dx.doi.org/10.1577/1548-8675(1996)016<0770:EEIOPP>2.3.CO;2))

Layman† RC, JR Boyce, KR Criddle. 1996. Economic valuation of the Chinook salmon sport fishery of the Gulkana River, Alaska under current and alternate management plans. *Land Economics* 72: 113-128. (DOI: 10.2307/3147161)

Fawson C, KR Criddle. 1994. A comparative analysis of structural and time series approaches to modeling intersectoral and intercounty employment linkages in rural regional labor markets. *Journal of Regional Science* 34: 57-74. (DOI: 10.1111/j.1467-9787.1994.tb00855.x)

Criddle KR, AM Havenner. 1991. An encompassing approach to modeling fishery dynamics. *Natural Resource Modeling* 5: 55-90. (DOI: 10.1111/j.1939-7445.1991.tb00231.x)

Criddle KR, AM Havenner. 1990. Forecasts from a state space multivariate time series model. *American Journal of Agricultural Economics* 72: 793-798. (<https://doi.org/10.2307/1243060>)

Criddle KR, AM Havenner. 1989. Forecasting halibut biomass using system theoretic time series methods. *American Journal of Agricultural Economics* 71: 422-431. (<https://doi.org/10.2307/1241600>)

Havenner AM, KR Criddle. 1989. System theoretic time series: an application to inventories and prices of California range cattle. *Computers & Mathematics with Applications* 17: 1177-1188. ([http://dx.doi.org/10.1016/0898-1221\(89\)90088-6](http://dx.doi.org/10.1016/0898-1221(89)90088-6))

Criddle KR, ES Chang. 1985. Effects of container transparency and reflectivity upon oxygen consumption of hybrid lobsters. *Aquaculture* 47: 373-376. ([http://dx.doi.org/10.1016/0044-8486\(85\)90222-4](http://dx.doi.org/10.1016/0044-8486(85)90222-4))

Al-Hassan JM, M Thomson, KR Criddle, B Summers, RS Criddle. 1985. Catfish epidermal secretions in response to threat or injury: a novel defense response. *Marine Biology* 88: 117-123. (doi:10.1007/BF00397158)

BOOKS, TEXTBOOKS, AND MONOGRAPHS

Strong† J, KR Criddle. 2013. *Fishing for Pollock in a Sea of Change: A Historical Analysis of the Bering Sea Pollock Fishery*. University of Alaska Sea Grant Press, Fairbanks, AK. 188p. (doi.org/10.4027/fpschabspf.2013)

Criddle KR. 2008. *Intermediate Statistics & Applied Regression Analysis*. 3rd Edition. East-West Bridge Publishing, Providence, UT. 413p.

Criddle KR. 2005. *Intermediate Statistics & Applied Regression Analysis*. 2nd Edition. East-West Bridge Publishing, Providence, UT. 383p.

Criddle KR. 2004. *Intermediate Statistics & Applied Regression Analysis*. 1st Edition. East-West Bridge Publishing, Providence, UT. 394p.

Criddle KR. 1989. *Modeling Dynamic Nonlinear Systems*. PhD Dissertation, University of California, Davis. 131p.

† denotes a student co-author

BOOK CHAPTERS

Criddle KR. 2021. Human dimensions. Chapter 9 (pages 75-82) in PC Chandler PC, S Yoo (editors), *Marine Ecosystems of the North Pacific Ocean 2009–2016: Synthesis Report*. PICES Special Publication 7. ISBN 1813-8519. (<https://meetings.pices.int/publications/special-publications/NPESR/2021/index>)

Criddle KR, I Shimizu. 2014. Economic importance of wild salmon. Chapter 14 (pages 269-306) in PTK Woo, DJ Noakes (editors), *Salmon: Biology, Ecological Impacts, and Economic Importance*. Nova Publishers, New York, USA

Criddle KR, D Evans, D Stram. 2011. Marine fisheries off Alaska. Pages 305-328 in AL Lovcraft, H Eicken (editors) *North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems*. University of Alaska Press, Fairbanks.

Criddle KR. 2008. Examining the interface between commercial and sport fishing: a property rights perspective. Pages 123-147 in DR Leal, V Maharaj (editors), *Evolving Approaches to Managing Marine Recreational Fisheries*. Lexington Books.

Criddle KR. 2008. The legal context of US fisheries management and the evolution of rights-based management in Alaska. Pages 369-382 in R Townsend, R Shotton, H Uchida (editors). *Case Studies in Fisheries Self-Governance*. FAO Fisheries Technical Paper. No. 504. Rome, FAO.

Criddle KR. 2004. Economic principles of sustainable multi-use fisheries management, with a case history economic model for Pacific halibut. Pages 143-171 in DD MacDonald, EE Knudson, YK Muirhead (editors), *Sustainable Management of North American Fisheries*, American Fisheries Society, Bethesda, MD.

Criddle KR. 2004. Property rights and the management of multiple use fisheries. Pages 85-110 in DR Leal (editor), *Evolving Property Rights in Marine Fisheries*. Rowman & Littlefield Publishers, Lanham, MD.

REFEREED CONFERENCE PROCEEDINGS

Criddle KR, M Herrmann, JA Greenberg, 2001. Territorial use rights: a rights-based approach to spatial management. Pages 573-590 in M Dorn, S Hills, GH Kruse, D Witherell (Editors). *Spatial Processes & the Management of Marine Populations*, Alaska Sea Grant, Fairbanks AK.

Criddle KR. 1993. Optimal control of dynamic multispecies fisheries. Pages 609-628 in GH Kruse, DM Eggers, RJ Marasco, C Pautzke, TJ Quinn II (Editors). *Management Strategies for Exploited Fish Populations*, Alaska Sea Grant, Fairbanks, AK.

Merritt† MA, KR Criddle. 1993. Multiple criterion decision theory for judging management strategies and resolving conflict: a case study of the Kenai River recreational fisheries. Pages 683-704 in GH Kruse, DM Eggers, RJ Marasco, C Pautzke, TJ Quinn II (Editors). *Management Strategies for Exploited Fish Populations*, Alaska Sea Grant, Fairbanks, AK.

NATIONAL RESEARCH COUNCIL COMMITTEE REPORTS

Committee on the Effectiveness of International and National Measures to Prevent and Reduce Marine Debris and its Impacts. 2009. *Tackling Marine Debris in the 21st Century*. National Research Council, National Academy Press. Washington DC 206p. (ISBN: 978-0-309-12697-7)

Committee on the Evaluation of the Sea Grant Program Review Process. 2006. *Evaluation of the Sea Grant Program Review Process*. National Research Council, National Academy Press. Washington DC 195p.

Committee on the Introduction of Non-native Oysters in the Chesapeake Bay. 2003. *Non-native Oysters in the Chesapeake Bay*. National Research Council, National Academy Press. Washington DC 325p.

Committee to Review Individual Fishing Quotas. 1999. *Sharing the Fish: Toward a National Policy on Individual Fishing Quotas*, National Research Council, National Academy Press. Washington DC. 422p. (doi: 10.17226/6335).

EDITED CONFERENCE PROCEEDINGS AND TECHNICAL MEMORANDA

Carothers C, KR Criddle, CP Chambers, PJ Cullenberg, JA Fall, AH Himes-Cornell, JP Johnsen, NS Kimball, CR Menzies, ES Springer. 2012. *Fishing People of the North: Cultures, Economics, and Management Responding to Change*. Alaska Sea Grant, Fairbanks. 302p.

Criddle KR. 2009. Straddling the line: cooperative and non-cooperative strategies for management of Bering Sea pollock. Pages 100-106 in *Proceedings: Lessons from Continuity and Change in the Fourth International Polar Year Symposium* (March 4–7, 2009) Inland Northwest Research Alliance Fairbanks, AK.

Olson† TK, KR Criddle 2005. Evolution of industrial structures in response to changes in the demand for traceability and assurance: a case study of Chilean salmon aquaculture. *Proceedings of the North American Fisheries Economics Forum*, Vancouver, BC

Hamel† C, M Herrmann, ST Lee, KR Criddle. 2001. An economic discussion of the marine sport fisheries in Lower Cook Inlet. In A Shriver, R Johnson (Editors). *Proceedings of the International Institute for Fisheries Economics & Trade*, Oregon State University, Corvallis, OR.

Criddle KR, S Macinko. 2001. Political economy and profit maximization in the Eastern Bering Sea fishery for walleye pollock. In A Shriver, R Johnson (Editors). *Proceedings of the International Institute for Fisheries Economics & Trade*, Oregon State University, Corvallis, OR.

Criddle KR, HJ Niebauer, TJ Quinn II, E Shea, AV Tyler. 1998. Marine biological resources. Pages 75-94 in P Anderson, G Weller, editors, *Implications of Global Change in Alaska & the Bering Sea Region*. Center for Global Change & Arctic System Research, University of Alaska Fairbanks, AK.

Callaway D, KR Criddle, E Shea. 1998. Subsistence fisheries. Pages 95-104 in P Anderson, G Weller, editors, *Implications of Global Change in Alaska & the Bering Sea Region*. Center for Global Change & Arctic System Research, University of Alaska Fairbanks, AK.

Criddle KR. 1996. Climate change and its effect on the Alaska economy. Pages 23-33 in P Anderson, G Weller, editors, *Preparing for an Uncertain Future: Impacts of Short- & Long-Term Climate Change on Alaska*, Center for Global Change & Arctic System Research, University of Alaska, Fairbanks, AK.

Criddle KR. 1994. Economics of resource use: a bioeconomic analysis of the Pacific halibut fishery. Pages 37-52 in D Shaw (Editor). *Proceedings of the Fourth International Symposium of the Conference of Asian & Pan-Pacific University Presidents*. Alaska Sea Grant, Fairbanks AK.

Criddle KR. 1991. Modeling dynamic fish populations. US Department of Commerce, NOAA Technical Memorandum NMFS F/NWC-1309. 73p.

REPORTS AND TECHNICAL PUBLICATIONS

Criddle KR, MJ Ghot†. 2020. Policy choices, permit prices, and permit migration in the Bristol Bay salmon drift gillnet fishery. Final Report, North Pacific Research Board Project 1719. 115p.

Criddle KR, A Wardle†. 2018. Lessons learned from case studies of granting, attenuating, and revoking use rights to public resources. Final project report to the Center for Growth and Opportunity, Utah State University.

Criddle KR, G Kruse. 2018. Parallel and divergent fishery management structures in State and Federal waters. Final Report, Alaska Sea Grant: R/32-08.

Seitz A, KR Criddle. 2018. Economic viability of a directed skate fishery in the Gulf of Alaska. Final Report, Alaska Sea Grant: R/32-05.

Criddle KR. 2016. MSEAS 2016—Understanding marine socio-ecological systems: Including the human dimension in Integrated Ecosystem Assessments. PICES Press 24(2): 24-25.

Adkison MD, KR Criddle, S Power. 2015. Characterization of the salmon bycatch in the BSAI Pollock fisheries and its effects. Final Report, NPRB Project 1008, 36 pp.

Criddle KR, JW Strong, TJ Quinn II. 2015. Cooperative and non-cooperative strategies for management of Bering Sea pollock. Final Report, NPRB Project 909, 88pp.

Criddle KR, M Mitsutaku. 2013. Social and economic indicators for status and change within North Pacific Ecosystems. PICES Press 21(2): 12-13.

Mitsutaku M, KR Criddle. 2013. Why do we need human dimensions for the FUTURE Program? PICES Press 21(1): 24-25.

Wadsworth† RM, KR Criddle. 2012. Stakeholder-based Regional Marine Research Plan for the Aleutian Islands. Final Report, Alaska Sea Grant. 79p.

Criddle KR, M Herrmann. 2011. A global analysis of salmon prices: how low can they go? Final Report, Alaska Sea Grant: R/32-03.

Strong† J, KR Criddle. 2011. Fishing for pollock in a sea of change: a historical and economic analysis of the Bering Sea pollock fishery. Final Project Report to US National Marine Fisheries Service on award NA08NMF4270420. 143p.

Criddle KR, M Pan M, K Davidson. 2011. A Summary of the Pacific Islands Region Catch Share Workshop, Honolulu, Hawai'i March 9-12, 2010. Pacific Islands Fisheries Science Center Administrative Report H-11-03.

Criddle KR, A Abramov, E Anferova. 2008. Fishery bioeconomics: a partnership between the Russian and American analytical centers. Final project report, Strengthening Russian Economic Think Tanks (SETT), USAID IRIS Center, University of Maryland.

Criddle KR. 2006. Resource sharing among groups with different values and different access rules: a simple graphical exposition. Economic Research Institute #ERI 06-01. Utah State University, Logan, UT. 22p.

Olson† TK, KR Criddle 2005. Evolution of industrial structures in response to changes in the demand for traceability and assurance: a case study of Chilean salmon aquaculture. Economic Research Institute #ERI 05-12. Utah State University, Logan, UT. 24p.

Criddle KR. 2005. Consultations for the Vladivostok fish-processing enterprises in penetrating new markets and strategic management. End of Assignment Report, USAID-Winrock International, Little Rock, AR.

Criddle KR 2005. Consultations on possibilities and perspectives for the fish-processing enterprises of the Khabarovsk Territory to penetrate the international markets of fish and seafood products. End of Assignment Report, USAID-Winrock International, Little Rock, AR.

Jensen† LS, J Koebbe, KR Criddle. 2004. Pooled and individual bycatch quotas: exploring tradeoffs between observer coverage levels, bycatch frequency, pool size, and the precision of bycatch estimates. Economic Research Institute #ERI 04-21, Utah State University, Logan, UT. 19p.

Criddle KR, M Herrmann. 2004. An economic analysis of the Pacific halibut commercial fishery. Economic Research Institute #ERI 04-20, Utah State University, Logan, UT. 77p.

Criddle KR, M Herrmann. 2004. An economic analysis of the Pacific halibut commercial fishery. Final Report, Alaska Sea Grant Project NA 16RG2321 project no. RR/32-02. 77p.

Criddle KR. 2002. Property rights and the management of multiple use fisheries. Economic Research Institute #ERI 02-04, Utah State University, Logan, UT. 21p.

Criddle KR. 2002. Economic principles of sustainable multi-use fisheries management. Economic Research Institute #ERI 02-03, Utah State University, Logan, UT. 42p.

Criddle KR. 2002. Precision of prohibited species bycatch estimates for pooled and individual bycatch quotas. Final Report, Alaska Sea Grant project no. RR/33-01.

Criddle KR. 2001. The political economy of Russian Far East fisheries management. End of Assignment Report, USAID-Winrock International, Little Rock, AR.

Hamel† C, M Herrmann, ST Lee, KR Criddle. 2001. An economic assessment of Lower and Central Cook Inlet sport fisheries: software program and manual. Developed for Minerals Management Service / University of Alaska Coastal Marine Institute, Fairbanks, AK.

† denotes a student co-author

- Herrmann M, ST Lee, C Hamelt, KR Criddle, HT Geier, JA Greenberg, CE Lewis. 2001. An economic assessment of the sport fisheries for halibut, and Chinook and coho salmon in Lower Cook Inlet: final report. University of Alaska Coastal Marine Institute/U.S. Mineral Management Service. 135p. www.data.boem.gov/PI/PDFImages/ESPIS/1/1878.pdf
- Criddle KR. 2001. Economic principles of sustainable fisheries management. Economic Research Institute #ERI 01-19. 35p.
- Criddle KR, M Herrmann, ST Lee, C Hamelt. 2001. Participation decisions, angler welfare, and the regional economic impact of sportfishing. Economic Research Institute #ERI 01-13, 22p.
- Lee ST, M Herrmann, KR Criddle, C Hamelt. 2001. Modeling the effect of fishery attributes on participation rates and angler welfare: the Kenai Peninsula marine sport fishery. Economic Research Institute #ERI 01-03, 27p
- Hamelt C, M Herrmann, ST Lee, KR Criddle, HT Geier. 2001. Linking sportfishing trip attributes, participation decisions, and regional economic impacts in Lower and Central Cook Inlet, Alaska. Economic Research Institute #ERI 01-01, 26p.
- Herrmann M, ST Lee, KR Criddle, C Hamelt. 2000. Results of a survey of participants in the Lower and Central Cook Inlet halibut and salmon sport fishery. Economic Research Institute #ERI 00-25, 27p.
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- Herrmann M, ST Lee, KR Criddle, C Hamelf. 2000. Results of a survey of participants in the Lower and Central Cook Inlet halibut and salmon sport fishery. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Lee ST, M Herrmann, KR Criddle, C Hamelf. 2000. Modeling the economic effect of fishery attributes on participation rates: the Kenai Peninsula marine sport fishery. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Lee ST, M Herrmann, KR Criddle, C Hamelf. 2000. The effect of fishery attributes on participation rates: the Kenai Peninsula marine sport fishery. *Western Agricultural Economics Association*, Vancouver, BC.
- Criddle KR. 1999. The future of IFQs in U.S. EEZ fisheries. *National Fishery Law Symposium*, University of Washington, Seattle, WA.
- Criddle KR, M Herrmann, JA Greenberg. 1999. Territorial use rights: a rights based approach to spatial management. *Lowell Wakefield Symposium on Spatial Processes & Management of Marine Populations*, Anchorage, AK.
- Henderson† (Jones) MM, ST Lee, KR Criddle. 1999. The economic value of Alaska's Copper River personal-use and subsistence fisheries. *American Fisheries Society—Bonneville Chapter*, Moab, UT.
- Criddle KR. 1996. An overview of market and non-market valuation. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Criddle KR. 1996. Management of a stochastic sequential fishery: the Yukon River salmon fishery. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Criddle KR, M Herrmann, JA Greenberg, EM Feller†. 1996. Bioeconomic consequences of climate change on the fishery for walleye pollock. *American Fisheries Society*, Dearborn, MI.
- Criddle KR. 1995. Climate change and its effects on the Alaska economy. *American Association for the Advancement of Science Special Workshop: Preparing for an Uncertain Future, Impacts of Short & Long-term Climate Change on Alaska*, Fairbanks, AK.
- Criddle KR, M Herrmann, JA Greenberg, EM Feller†. 1995. Estimated economic impacts of potential changes in the total allowable catch for walleye pollock. *Resource Modeling Association*, Juneau, AK.
- Criddle KR. 1994. Management of the Yukon River fishery for Chinook salmon. *Fisheries Management: Global Trends Symposium*, Seattle, WA.
- Criddle KR. 1993. Economics of resource use. *International Symposium of the Conference of Pan-Pacific University Presidents*, Anchorage, AK.
- Criddle KR. 1993. Risk and reward in a sequential fishery subject to in-season management: the commercial and subsistence salmon fisheries on the Yukon River. *Resource Modeling Association*, Tucson, AZ.
- Criddle KR. 1993. Unintended consequences of in-season management of the Yukon River salmon fisheries. *American Fisheries Society*, Portland, OR.
- Criddle KR. 1993. Optimal control of multispecies fisheries. *International Conference on Fisheries Economics*, Bergen, Norway.
- Mollett† ND, KR Criddle. 1993. Predicting the response of fishermen to the creation of individual fishing quotas in the longline fisheries for halibut and sablefish offshore Alaska. *International Conference on Fisheries Economics*, Bergen, Norway.
- Criddle KR. 1992. Optimal control of dynamic multispecies fisheries. *Lowell Wakefield Symposium on Management Strategies for Exploited Fish Populations*, Anchorage, AK.
- Criddle KR. 1992. Risk distribution in the commercial and subsistence salmon fisheries on the Yukon River. *American Fisheries Society—Alaska Chapter*, Valdez, AK.
- Fawson C, KR Criddle. 1992. Modeling intersectoral and interregional linkages in rural labor markets. *American Agricultural Economics Association*, Baltimore, MD.
- Merritt† MA, KR Criddle. 1992. Multiple criterion decision theory for judging management strategies and resolving conflict: a case study of the Kenai River recreational fisheries. *Lowell Wakefield on Management Strategies for Exploited Fish Populations*, Anchorage, AK.
- Criddle KR. 1991. An econometric approach to modeling multispecies population dynamics. *American Association for the Advancement of Science*, Fairbanks, AK.
- Criddle KR. 1990. An econometric approach to modeling multispecies population dynamics. *Resource Modeling Association*, Ithaca, NY.
- Criddle KR. 1989. An encompassing approach to modeling fishery dynamics. *American Agricultural Economics Association*, Baton Rouge, LA.
- Criddle KR, AM Havenner. 1989. Forecasts from a state space multivariate time-series model. *American Economic Association*, Atlanta, GA.

POSTERS

- Criddle KR, M Mitsutaku. 2018. PICES human dimensions research. *North Pacific Fisheries Organization (PICES)-Mexico special session*, La Paz, BCS, Mexico.

Figus† EC, KR Criddle. 2018. Using local knowledge to inform catch accounting and decision-making in the Pacific halibut (*Hippoglossus stenolepis*) fishery off Southeast Alaska. *Alaska Marine Science Symposium*, Anchorage, AK.

Criddle KR, S Warpinski†, M Herrmann, JA Greenberg. 2016. Alaska's sablefish fishery after IFQ program implementation—a bioeconomic analysis. *North Pacific Fisheries Organization (PICES)*, San Diego, CA.

Figus† EC, KR Criddle. 2014. Monitoring bycatch/discards in the Pacific halibut (*Hippoglossus stenolepis*) fishery Southeast Alaska. *Lowell Wakefield Symposium*, Anchorage, AK.

Figus† EC, KR Criddle. 2013. Catch share management regimes in commercial fisheries: Pacific halibut (*Hippoglossus stenolepis*) and Atlantic cod (*Gadus morhua*). *Alaska Marine Science Symposium*, Anchorage, AK.

WORKSHOP/SEMINAR PRESENTATIONS

Criddle KR. 2021. Status and trends of human dimensions in the North Pacific ecosystem 2000-2017. Department of Fisheries, University of Alaska Fairbanks, Juneau, AK.

Criddle KR. 2019. Alaska's fisheries social-ecological system. Central Institute for Fisheries Education. Mumbai, India.

Criddle KR. 2018. How the interplay of social, ecological, and environmental factors influences the observability and controllability of fishery social ecological systems. USU Applied Math Seminar. Logan, UT

Criddle KR. 2018. Durable entitlements and resilience in fishery social ecological systems. Economics of Property Rights and the Environment Seminar Series, USU Center for Growth and Opportunity. Logan, UT

Criddle KR. 2017. Fish or Cut Bait—An Economist's Foray into the Policy Arena. Strata PhD Fellowship Summit, January 19-22, 2017, Logan, Utah

Criddle KR. 2016. Human dimension indicator data for North Pacific ecosystems. Sidney, BC.

Criddle KR. 2016. Report to PICES on the MSEAS symposium. Victoria, BC.

Criddle KR. 2015. Why do some fishing communities thrive while others wither?—Economic development for fisheries-dependent communities. Petersburg, AK.

Criddle KR. 2015. Kodiak Seafood & Marine Science Center: a model for industry-university cooperative research. Juneau Economic Development Council Innovation Summit. Juneau, AK.

Criddle KR. 2014. Cooperative and non-cooperative strategies for management of Bering Sea pollock. University of Alaska Fairbanks, Juneau Center for Fisheries and Ocean Sciences.

Criddle KR. 2010. Human dimensions and ecosystem-based management of living marine resources off Alaska. PICES Study Group on Human Dimensions of Ecosystem Based Fisheries Management. Yokohama, Japan.

Criddle KR. 2010. Economics and bioeconomics of sustainable ecosystem based management of living marine resources. PICES Human Dimensions of Ecosystem Based Fisheries Management Study Group. Yokohama, Japan.

Criddle KR. 2010. Economic effects of climate change and policy responses to climate change in Alaska's fisheries. Western Alaska Interdisciplinary Science Conference and Forum. Unalaska, AK.

Criddle KR. 2010. Formal and informal catch shares in Alaska's groundfish fisheries. Catch Share Workshop, Pacific Islands Fisheries Science Center, Honolulu, HI.

Criddle KR, TJ Quinn II. 2009. Straddling the line: cooperative and non-cooperative strategies for management of Bering Sea pollock. Workshop on spatial structure and dynamics of walleye pollock in the Bering Sea. Alaska Fishery Science Center, Seattle, WA.

Criddle KR. 2009. Scouting the competition: the influence of salmon aquaculture on Alaska salmon prices. Public forum, University of Alaska Fairbanks, Bristol Bay campus, Dillingham, AK

Criddle KR. 2009. Managing salmon bycatch in the Bering Sea pollock fishery. University of Washington-University of Alaska Fairbanks field course, Alaknegak Lake field station, AK.

Criddle KR. 2009. Multiple criterion management of a sequential fishery: evaluation of management strategies for Yukon River salmon fisheries. University of Washington-University of Alaska Fairbanks field course, Alaknegak Lake field station, AK.

Criddle KR. 2009. Trashing the Seas: an examination of the effectiveness of international and national measures to prevent and reduce marine debris and its impacts. Institute of Marine Science, University of Alaska Fairbanks, Fairbanks, AK.

Criddle KR. 2009. Management of coupled nonstationary dynamic bioeconomic systems. Ted Stevens Marine Research Institute, Juneau, AK.

Criddle KR. 2008. Fisheries management in Alaska. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 2007. An overview of Alaska's fisheries and their evolution. Workshop on Fisheries Policy & Experimental Economics: Opportunities & Priorities. Anchorage, AK

Criddle KR & M Herrmann. 2007. A state space bioeconomic model of Pacific halibut. Gulf of Maine Research Institute, Portland, ME.

Criddle, KR. 2005. Marine policy for the halibut. School of Fisheries & Ocean Science, University of Alaska Fairbanks, Fairbanks, AK.

Criddle, KR. 2005. Marine policy for the halibut. Juneau Fisheries Center, University of Alaska Fairbanks, Juneau, AK.

Criddle, KR. 2005. Marine policy for the halibut. Marine Advisory Program, University of Alaska Fairbanks, Anchorage, AK.

Criddle KR. 2005. Salmon aquaculture in Chile. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 2005. Institutional reforms in Russian Far East fisheries. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 2005. Traceability and assurance in seafoods. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 2005. From commodity to niche: the evolution of seafood markets. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 2005. Principals of bioeconomics. Department of Applied Mathematics, Far Eastern University Vladivostok, Russia

Criddle KR. 2002. Participation decisions, angler welfare, and the regional economic impact of sportfishing. Department of Economics, Utah State University.

Criddle KR. 2002. Property rights and the management of multiple use fisheries. Department of Economics, Utah State University.

Criddle KR. 2002. Bioeconomics of multiple use resources. Utah State University Department of Mathematics.

Criddle KR. 2001. Bioeconomics of multiple use resources. Utah State University Department of Rangeland Resources.

Criddle KR. 2000. Effects of climate change on the Eastern Bering Sea fishery for walleye pollock. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 2000. Legal, social, and economic aspects of enclosing the US EEZ fisheries. Pacific Scientific Research Fisheries Center (TINRO), Vladivostok, Russia

Criddle KR. 1998. Legal, social, and economic aspects of enclosing the US EEZ fisheries. Department of Economics, Utah State University.

Criddle KR. 1997. Effects of climate change on Bering Sea region fisheries. Workshop on the Impacts of Global Change on the Western Arctic/Bering Sea Region, Fairbanks, AK.

Criddle KR, P Mundy. 1997. Omissions in databases and knowledge, data collection needs, and needs for coordinated research. Bering Sea Ecosystem Workshop, U.S. Department of Interior, U.S. National Marine Fisheries Service, and Alaska Department of Fish & Game, Anchorage, AK.

Criddle KR. 1994. Management of risk and reward in the Yukon River fishery for Chinook salmon. Utah State University, Natural Resource Policy Certificate Program, Logan UT.

Criddle KR. 1992. Using nonlinear time series analysis to model dynamic fish populations. National Marine Fisheries Service, Alaska Fisheries Science Center, Seattle WA.

Criddle KR. 1991. State space forecasting in fisheries. Alaska Salmon Forecasting Workshop, Alaska Department of Fish & Game, Anchorage AK.

Criddle KR. 1990. Proactive fisheries management. Exploring a Multidisciplinary Approach to Fisheries Management Research, AK Sea Grant College Program, Fairbanks, AK.

Criddle KR. 1988. Forecasting halibut biomass using system theoretic time series methods. University of California, Bodega Marine Laboratory, Bodega Bay, CA.

Criddle KR. 1986. A simulation analysis of the economic impacts of alternative groundfish management strategies for the eastern Bering Sea. Northwest & Alaska Fisheries Center, National Marine Fisheries Service, Seattle WA.

SYMPOSIA/CONFERENCES/WORKSHOPS ATTENDED

International Symposium on Plastics in the Arctic and the Subarctic Region, *Arctic Council*, Reykjavik, Iceland (webinar), March 2021.

Webinar on *Fisheries Supply Chain Dynamics during Covid-19*. College of Fisheries, Central Agricultural University, Tripura, India. June 2020.

Lowell Wakefield Symposium, 2019, Cooperative Research—Strategies for Integrating Industry Perspectives and Insights in Fisheries Science, Anchorage, AK. May 2019.

Bering Sea Fisheries Conference, Seattle WA. April 2019.

AFS (*American Fisheries Society*) Alaska Chapter meeting, Sitka, AK. March 2019.

SBCA (*Society for Benefit Cost Analysis*), Washington, DC. March 2019.

SWAMC (Southwest Alaska Municipal Conference) Economic Summit, Anchorage, AK. February 2019

AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2019.

PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, Yokohama, Japan. October 2018.

Mathematics of Planet Earth (MPE2013+): The Future, New Brunswick, NJ. July 2018.

PICES (*North Pacific Fisheries Organization*), Science Board intersessional meeting, Sidney, BC. May 2018.

PICES (*North Pacific Fisheries Organization*), Pacific Transitional Area Symposium, La Paz, BCS, Mexico. April 2018

IHS (*Institute for Humane Studies*) and CGO (*Center for Growth and Opportunity*), Pressing Issues in Public Land Management, Las Vegas, NV. April 2018

SBCA (*Society for Benefit Cost Analysis*), Washington, DC. March 2018.

PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, Vladivostok, Russia. September 2017.

Mathematics of Planet Earth (MPE2013+): Workshop on Chesapeake Bay Fisheries, Solomons, MD. August 2018.

AFS (*American Fisheries Society*), Annual Meeting, Tamp, FL. August 2017.

Strata, Environment, Energy, and Science Roundtable, Logan, UT. May 2017

EAFE (*European Association of Fisheries Economists*), Dublin, Ireland. April 2017

PICES (*North Pacific Fisheries Organization*), WG-35—North Pacific Ecosystem Status Report (NPESR3) workshop: Honolulu, HI. April 2017.

PICES (*North Pacific Fisheries Organization*), Science Board intersessional meeting, Honolulu, HI. April 2017.

NAAFE (*North American Association of Fisheries Economists*). La Paz, MX. March 2017.

SBCA (*Society for Benefit Cost Analysis*), Washington, DC. March 2017.

AFS (*American Fisheries Society*), Governing Council Meeting, Mystic, CN. March 2017.

Strata PhD Fellowship Summit, Logan, UT. January 2017

PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, San Diego, USA. November 2016.

PICES (*North Pacific Fisheries Organization*), North Pacific Ecosystem Status Report Workshop (NPESR3): San Diego, USA. November 2016.

PICES (*North Pacific Fisheries Organization*), MarWeb Workshop, San Diego, USA. November 2016.

SBCA--*Benefit-Cost Analysis and the Courts*, George Washington University, Washington, DC, USA. October 2016.

ICES (*International Council for the Exploration of the Sea*) Annual Science Conference, Riga, Lithuania. September 2016.

AFS (*American Fisheries Society*), Annual Meeting, Kansas City, MO. August 2016.

PICES (*North Pacific Fisheries Organization*), North Pacific Ecosystem Status Report Workshop (NPESR3): Sidney, BC, Canada. June 2016.

PICES (*North Pacific Fisheries Organization*), MarWeb Workshop: Victoria, BC, Canada. June 2016

RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Flagstaff, AZ, June 2016.

MSEAS (*Marine Socio-ecological Systems*), Understanding marine socio-ecological systems: including the human dimension in Integrated Ecosystem Assessments, Brest, France. May 2016.

AFS (*American Fisheries Society*) Alaska Chapter meeting, Homer, AK. November 2015.

PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, Qingdao, China. October 2015.

ICES (*International Council for the Exploration of the Sea*) Annual Science Conference, Copenhagen, Denmark. September 2015.

AFS (*American Fisheries Society*), Annual Meeting, Portland, OR, August 2015.

ESSAS (*Ecosystem Studies of Sub-Arctic Seas*), 5th Open Science Meeting, Seattle, WA. June 2015.

Mathematics of Planet Earth (MPE2013+): Workshop on Natural Resources, Washington, DC. June 2015.

NAAFE (*North American Association of Fisheries Economists*). Ketchikan, AK. May 2015.

PICES (*North Pacific Fisheries Organization*). Yeosu, Korea. October 2014.

RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Vilnius, Lithuania. July 2014.

IMBER (*Integrated Marine Biogeochemistry and Ecosystem Research*) Future Oceans Open Science Conference, Bergen, NO. June 2014.

PICES (*North Pacific Fisheries Organization*) FUTURE OSM. Kohala, HI. April 2014.

ESSAS (*Ecosystem Studies of Sub-Arctic Seas*), 4th Open Science Meeting, Copenhagen, Denmark. April 2014.

AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2014.

PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, Nanaimo, Canada. October 2013.

AAAS (*American Association for the Advancement of Science*)-Arctic Conference, Kodiak, AK. September 2013.

- ICES (*International Council for the Exploration of the Sea*) Annual Science Conference in Reykjavik, Iceland. September 2013.
- PICES (*North Pacific Fisheries Organization*) NPESR and WOA workshop on human dimensions in North Pacific marine ecosystems. Honolulu. June 2013.
- NAAFE (*North American Association of Fisheries Economists*), St. Petersburg, FL. May 2013.
- EAFE (*European Association of Fisheries Economists*), Edinburgh, Scotland. April 2013.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2013.
- ESSAS (*Ecosystem Studies of Sub-Arctic Seas*) 3rd Open Science Meeting, Hakodate, Japan. January 2013.
- AFS (*American Fisheries Society*) Alaska Chapter meeting, Kodiak, AK. October 2011.
- PICES (*North Pacific Fisheries Organization*). Hiroshima, Japan. October 2012.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Brisbane, Australia. July 2012.
- International Symposium on Climate Change and the World's Oceans*. Yeosu, Korea. May 2012
- PFT (*Pacific Fisheries Technologists*) Annual Conference. Anchorage, AK. February 2012.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2012.
- JMS (*Joint Mathematics Meetings*). Boston, MA, January 2012.
- AFS (*American Fisheries Society*) Alaska Chapter meeting, Girdwood, AK. November 2011.
- PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, Khabarovsk, RU. October 2011.
- Lowell Wakefield Symposium on Fishing People of the North: Cultures, Economies, and Management Responding to Change*, Anchorage, AK. September 2011
- PERC (*Property and Environment Research Center*), Lessons Learned in Rights-Based Fisheries Management, Bozeman, MT. July 2011.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Ottawa, Canada. June 2011.
- ESSAS (*Ecosystem Studies of Sub-Arctic Seas*) 1st Open Science Meeting, Seattle, WA. May 2011.
- NAAFE (*North American Association of Fisheries Economists*), Honolulu, HI. May 2011.
- International Conference on Marine Debris, Honolulu, HI. March 2011.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2011.
- Energy use in fisheries: improving efficiency and technological innovations from a global perspective, Seattle, WA. November 2010.
- Lowell Wakefield Symposium on Ecosystem Modeling*, Anchorage, AK. November 2010.
- AFS (*American Fisheries Society*) Alaska Chapter meeting, Juneau, AK. November 2010.
- PICES (*North Pacific Fisheries Organization*), Annual Science Meeting. Portland, OR. October 2010.
- PICES (*North Pacific Fisheries Organization*), Human Dimensions of Ecosystem Based Fisheries Management Study Group. Yokohama, Japan. June 2010.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Helsinki, Finland. June 2010
- WAISC (*Western Alaska Interdisciplinary Science Conference and Forum*), Unalaska, AK. March 2010.
- Catch Share Workshop, Pacific Islands Fisheries Science Center, Honolulu, HI. March 2010.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2010.
- National SSC Workshop on Establishing a Scientific Basis for Annual Catch Limits. St. Thomas, USVI. November 2009.
- Workshop on Spatial Structure and Dynamics of Walleye Pollock in the Bering Sea. Alaska Fishery Science Center, Seattle, WA. July 2009.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Juneau, AK. June 2009.
- INRA (*Inland Northwest Research Alliance*)—Lessons from Continuity and Change in the Fourth International Polar Year. Fairbanks, AK. March 2009.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2009.
- National Workshop on Developing Best Practices for SSCs, Honolulu, HI. November 2008.
- PICES (*North Pacific Fisheries Organization*), Annual Science Meeting, Dalian, China. October 2008.
- SCOR (*Scientific Committee on Ocean Research*) 50th Anniversary Symposium, Woods Hole, MA. October 2008
- Fifth International Fisheries Congress*, Vladivostok, RU. September 2008.
- IIFET (*International Institute of Fisheries Economics and Trade*), Nha Trang, Vietnam. July 2008.
- Marine Debris in Alaska: Coordinating Our Efforts. *Alaska Sea Grant & Alaska Forum on the Environment*, Anchorage, AK. February 2008.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2008.
- Fisheries Policy & Experimental Economics: Opportunities & Priorities, Anchorage, AK. July 2007.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Cape Cod, MA. June 2007.
- International Polar Year, North by 2020 Living Marine Resource Work Group, Juneau, AK. May 2007.
- NAAFE (*North American Association of Fisheries Economists*), Merida, MX. April 2007.
- AMSS (*Alaska Marine Science Symposium*), Anchorage, AK. January 2007.
- AFS (*American Fisheries Society*) Alaska Chapter meeting, Fairbanks, AK. November 2006.
- China Seafood Show*, Qingdao, China. October 2007.
- PERC (*Property and Environment Research Center*), 16th Political Economy Forum, Emigrant, MT. October 2006.
- Alaska's Fishing Communities Conference*, Anchorage, AK. September 2006.
- 2nd Aleutian Life Forum*, Unalaska, AK. August 2006.
- Western Water W-1190 Conference*, Las Cruces, NM. October 2005.
- AFS (*American Fisheries Society*), Annual Meeting, Anchorage, AK. September 2005.
- Second International Fisheries Congress*, Vladivostok, RU. September 2005.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Arcata, CA. June 2005
- NAAFE (*North American Association of Fisheries Economists*), Vancouver, BC. May 2005.
- Managing Our Nation's Fisheries II*. NOAA Fisheries, Washington DC. March 2005.
- VI Jornadas del Salmonicultura: el Gran Encuentro del Cluster del Salmón*, Puerto Varras, Chile. November 2004.
- WAAEA (*Western Association of Agricultural Economics Administrators*), Spokane, WA. October 2004.
- Western Water W-1190 Conference*, Salt Lake City, UT. October 2004.
- AAEA (*American Agricultural Economics Association*), Denver, CO. August 2004.
- Bevan Conference on Sustainable Fisheries*, Seattle, WA. May 2004.
- WAS (*World Aquaculture Society*), Honolulu, HI. March 2004.
- WRSAA (*Western Regional Science Association*), Maui, HI. February 2004.

- NAAEA (*National Association of Agricultural Economics Administrators*), San Antonio, TX. November 2003.
- Focus on Trade Assembly*, Sundance, UT. October 2003.
- Western Water W-190 Conference*, Kona, HI. October 2003.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Beaufort, NC. June 2003
- WAAEA (*Western Association of Agricultural Economics Administrators*), San Luis Obispo, CA. October 2002.
- PERC (*Property and Environment Research Center*), 12th Political Economy Forum, Big Sky, MT. March 2002.
- AFS (*American Fisheries Society*), Annual Meeting, Phoenix, AZ. August 2001.
- WAEA (*Western Agricultural Economics Association*), Logan, UT. July 2001.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Logan, UT. June 2001
- NAAFE (*North American Association of Fisheries Economists*), New Orleans, LA. April 2001
- AFS (*American Fisheries Society*) Bonneville Chapter meeting, St. George, UT. February 2001.
- AFS (*American Fisheries Society*) Alaska Chapter meeting, Fairbanks, AK, November 2000.
- WAAEA (*Western Association of Agricultural Economics Administrators*), Tucson, AZ. October 2000.
- PIFET (*International Institute of Fisheries Economics and Trade*), Corvallis, OR. July 2000.
- WAEA (*Western Agricultural Economics Association*), Vancouver, BC. June 2000.
- WRSA (*Western Regional Science Association*), Kauai, HI. February 2000.
- NAAEA (*National Association of Agricultural Economics Administrators*), Kansas City, MO. November 1999.
- Lowell Wakefield Symposium on Spatial Processes & Management of Marine Populations*, Anchorage, AK. October 1999.
- AFS (*American Fisheries Society*) Bonneville Chapter meeting, Moab, UT. March 1999.
- National Fishery Law Symposium*, University of Washington, Seattle, WA. March 1999.
- Bering Sea Ecosystem Workshop*, U.S. Department of Interior, U.S. National Marine Fisheries Service, and Alaska Department of Fish & Game, Anchorage, AK. December 1997
- Arctic Social Sciences Workshop*, Arctic Research Consortium of the US, Seattle, WA. October 1997
- AACSB (*American Assembly of Collegiate Schools of Business*), Continuous Improvement Symposium, San Diego, CA. October 1997
- Workshop on the Impacts of Global Change on the Western Arctic/Bering Sea Region, Fairbanks, AK. June 1997.
- AFS (*American Fisheries Society*), Alaska Chapter meeting, Fairbanks, AK. November 1996.
- AFS (*American Fisheries Society*), Annual Meeting, Dearborn, MI. August 1996.
- AFS (*American Fisheries Society*), Alaska Chapter meeting, Wasilla, AK. November 1995.
- International Arctic Science Committee Bering Sea Impacts Workshop (BESIS)*, Fairbanks, AK. September 1995
- AAAS (*American Association for the Advancement of Science*), Special Workshop on Preparing for an Uncertain Future, Impacts of Short & Long-term Climate Change on Alaska, Fairbanks, AK. September 1995.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Juneau, AK. June 1995.
- NCAR (*National Center for Atmospheric Research*), Institute on the Economics of the Climate Resource, Boulder, CO. June 1995.
- Yukon River salmon stock modeling, US Fish & Wildlife Service, Fairbanks, AK. February 1995.
- Fisheries Management: Global Trends Symposium*, Seattle, WA. June 1994.
- CAEC chaos workshop: predicting ocean survival for Pacific salmon using chaos-based models, Battelle Pacific Northwest Laboratories, Portland, OR. April 1994.
- AFS (*American Fisheries Society*), Alaska Chapter meeting, Fairbanks, AK. November 1993.
- International Symposium of the Conference of Pan-Pacific University Presidents*, Anchorage, AK. September 1993.
- AFS (*American Fisheries Society*), Annual Meeting Portland, OR. August 1993.
- International Conference on Fisheries Economics*, Centre for Fishery Economics, Bergen, Norway. May 1993
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Tucson, AZ. May 1993.
- Alaska Marine Resource Economics Workshop*, Anchorage, AK, February 1993.
- AFS (*American Fisheries Society*), Alaska Chapter meeting, Valdez, AK. November 1992.
- International Symposium on Management Strategies for Exploited Fish Populations*, Alaska Sea Grant, Anchorage, AK. October 1992.
- AAEA (*American Agricultural Economics Association*), Annual Meeting, Baltimore, MD. August 1992
- AAEA (*American Agricultural Economics Association*), Teaching Workshop, Baltimore MD. August, 1992
- University of Alaska Statewide Fisheries Colloquium*, Fairbanks, AK. July 1992.
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Berkeley, CA. June 1992.
- Canada/United States Symposium on the Impacts of Climate Change on Resource Management of the North, Whitehorse, YT. May 1992
- AAAS (*American Association for the Advancement of Science*), Arctic Chapter meeting, Fairbanks, AK. June 1991.
- Alaska Salmon Forecasting Workshop*, Alaska Department of Fish & Game, Anchorage AK. March 1991.
- AEA (*American Economics Association*), Washington, DC. December 1990
- Exploring a Multidisciplinary Approach to Fisheries Management Research, School of Management, University of Alaska Fairbanks; Alaska Sea Grant; Tanana Chiefs Conference, Inc. October 1990
- RMA (*Resource Modeling Association*), International Conference on Natural Resource Modeling, Cornell, NY. October 1990
- AAEA (*American Agricultural Economics Association*), Annual Meeting, Vancouver, BC. August 1990
- AAEA (*American Agricultural Economics Association*), Nonmarket Valuation: Extending the Frontiers & New Applications, a Learning Workshop. August 1990
- Shared Living Resources of the Bering Sea: US-Soviet Legal and Administrative Conservation Regimes, Presidents Council on Environmental Quality, US Dept. Int., US Dept. Comm. NOAA, State of Alaska, Fairbanks, AK. June 1990.
- AAEA (*American Agricultural Economics Association*), Annual Meeting, Atlanta, GA. December 1989.
- AAEA (*American Agricultural Economics Association*), Annual Meeting, Baton Rouge, LA. August 1989.
- AAEA (*American Agricultural Economics Association*), Annual Meeting, Reno, NV. August 1988.

INSTRUCTION AND ADVISING

INSTRUCTIONAL MATERIALS

Criddle KR. 2011. *Lecture Notes on State Space Modeling of Time Series*, 2nd edition. 170p.

Criddle KR. 2004. *Lecture Notes on State Space Modeling of Time Series*. 140p.

GRADUATE STUDENT SUPERVISION

Chair or co-Chair—ongoing

Power S. Characterization of the salmon bycatch in the Bering Sea and Aleutian Islands (BSAI) pollock fisheries and its effects. Directed by MD Adkison and KR Criddle, with TJ Quinn II, J Ianeli, A Munro. PhD—Fisheries, University of Alaska Fairbanks. (inactive)

Womack (Shriver) J. Herring fisheries management—balancing fisheries and ecosystem services. Directed by KR Criddle. PhD—Fisheries, University of Alaska Fairbanks. (inactive)

Chair or co-Chair—completed

Gho M. 2020. Management decisions and permit prices in the Bristol Bay salmon drift gillnet fishery. Directed by KR Criddle with MD Adkison, B Twomley, B Brown. PhD—Fisheries, University of Alaska Fairbanks.

Kotlarov A. 2020. Retrospective analysis of the Alaska halibut and sablefish IFQ fisheries comparing the program with the anticipated outcomes and other limited entry fisheries. Directed by KR Criddle with JA Greenberg, R Felthoven, BP Vander Naald. PhD—Natural Resources and Sustainability, University of Alaska Fairbanks.

DebRoy P. 2019 Resource use patterns, trade-offs and governance strategies for fisheries development in Lake Rudrasagar, Tripura. Directed by M Krishnan and KR Criddle, with SK Datta, VR Kiresur, AD Upadhyay. PhD—Fish Business Management, Central Institute of Fisheries Education, Mumbai, India

Mitchell M. 2019. Willingness-to-pay for enhanced sportfishing for halibut. Directed by J Little and KR Criddle, with M Herrmann, JA Greenberg. MS—Resource Economics, University of Alaska Fairbanks.

Figus EC. 2018. Using local knowledge to inform commercial fisheries science and management in Poland and Alaska. Directed by KR Criddle with A Beaudreau, C Carothers, E Kuzebski. PhD—Fisheries, University of Alaska Fairbanks.

Patt J. 2014. Factors contributing to success or failure of rockfish fisheries of the Eastern North Pacific. Directed by AJ Gharrett and KR Criddle with J Heifetz, M Love. MS—Fisheries, University of Alaska Fairbanks.

Shriver (Womack) J. 2014. Buyback in the Southeast Alaska salmon seine fishery. Directed by J Little and KR Criddle, with J Baek. MS—Resource and Applied Economics, University of Alaska Fairbanks.

Yasumiishi ECM. 2013. Chum salmon scale patterns as indicators of climate change, carrying capacity, and recruitment of marine species in the Bering Sea and Pacific Ocean. Directed by KR Criddle with J Helle, N Hillgruber, F Mueter. PhD—Fisheries, University of Alaska Fairbanks.

Wadsworth R. 2012. Integrating stakeholder input in the development of a regional marine research plan for the Aleutian Islands. Directed by KR Criddle with GH Kruse, B Muse. MS—Fisheries, University of Alaska Fairbanks.

Strong J. 2011. Fishing for pollock in a sea of change: a history and analysis of the Bering Sea pollock fishery. Directed by KR Criddle with GH Kruse, M Adkison. MS—Fisheries, University of Alaska Fairbanks.

Steiner E. 2009. Chilean farmed salmon production forecasts and biological consequences of managing Bristol Bay sockeye salmon for economic stability. Directed by KR Criddle with GH Kruse, M Adkison. MS—Fisheries, University of Alaska Fairbanks.

Olson TK. 2005. Potential changes in the relative competitive position of alternative industrial structures in response to changes in the demand for traceability and assurance: a case study of Chilean salmon aquaculture. Directed by KR Criddle with D Bailey, R Ward. IMBA—Food and Agribusiness Management, Utah State University.

Mortenson K. 2001. Plan C. Directed by KR Criddle with DM Aadland, AJ Caplan. MS—Applied Economics, Utah State University.

Meiloch A. 1997. A bioeconomic analysis of Alaska's commercial herring roe fishery. Directed by KR Criddle with M Herrmann, JA Greenberg. MS—Resource Economics, University of Alaska Fairbanks.

Wang L. 1996. Optimal allocation of groundfish in the fisheries off Alaska. Directed by KR Criddle with M Herrmann, D Bischak. MS—Resource Economics, University of Alaska Fairbanks.

Merritt MF. 1995. Applications of decision analysis in the valuation of recreational fishery management problems. Directed by JB Reynolds and KR Criddle with D Bernard, J Fox, J Gladden, TJ Quinn II. PhD—Fisheries, University of Alaska Fairbanks.

Strelski AY. 1995. Commercial, subsistence, and sport salmon fisheries on the Yukon River. Directed by KR Criddle and CE Lewis with JA Greenberg, M Herrmann. MS—Resource Economics, University of Alaska Fairbanks.

Committee Member—ongoing

Fenske K. Sablefish stock assessment. Directed by TJ Quinn II, with D Hanselman, A Beaudreau, KR Criddle C Cunningham. PhD—Fisheries, University of Alaska Fairbanks.

Zhang X. Population dynamics of pink salmon. Directed by TJ Quinn III with H Geiger, M Adkison, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks. (inactive)

Committee Member—completed

Springer E. 2019. Sea change, know fish: catching the tales of fish and men in Cordova, Alaska. Directed by W Schneider, with KR Criddle, D Farmer, P Plattet. PhD—Anthropology, University of Alaska Fairbanks.

Chan M. 2018. Using fisheries local knowledge to explore spatial fishing patterns and perceptions of regulations in Alaska. Directed by A Beaudreau, with KR Criddle, P Loring, BP Vander Naald. PhD—Fisheries, University of Alaska Fairbanks.

Chenoweth E. 2018. Bioenergetic and economic consequences of humpback whale depredation at salmon hatchery release sites. Directed by M McPhee with S Atkinson, J Straley, R Heintz, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks.

Williams BC. 2018. Variation in maturation and fecundity of walleye pollock in the Gulf of Alaska and eastern Bering Sea. Directed by GH Kruse with TJ Quinn II, M Dorn, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks.

Courtney D. 2017. Ecosystem considerations of Pacific sleeper shark bycatch in commercial fisheries for groundfish in the Northeast Pacific Ocean. Directed by M Adkison with R Foy, M Sigler, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks.

Farrugia TJ. 2017. An interdisciplinary sustainability evaluation of the skate fishery in the Gulf of Alaska: movement patterns, stock assessment and bioeconomic modeling. Directed by A Seitz, with KJ Goldman, GH Kruse, KR Criddle, C Tribuzio. PhD—Fisheries, University of Alaska Fairbanks.

Chambers CP. 2016. Fishing livelihoods and fisheries management in Northwest Iceland. Directed by C Carothers, with KR Criddle, A Seitz, G Helgadóttir. PhD—Fisheries, University of Alaska Fairbanks.

Warpinski, S. 2015. Bioeconomics of sablefish. Directed by M Herrmann, with JA Greenberg, KR Criddle. MS—Resource Economics, University of Alaska Fairbanks.

† denotes a student co-author

- Peterson MJ. 2014. Qualitative and quantitative investigations into cetacean depredation on Alaskan longline fisheries. Directed by F Mueter and C Carothers with C Matkin, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks.
- Van Kirk K. 2012. Multispecies age-structured assessment modeling as a tool of fisheries management in the Gulf of Alaska. Directed by TJ Quinn II with GH Kruse, F Mueter, J Collie, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks.
- Miller S. 2011. Optimal stability window hypothesis of positive correlation between the size of the North Pacific salmon stocks on decadal time scales and the winter strength of the Aleutian low-pressure system. Directed by M Adkison with L Haldorson, E Cokelet, KR Criddle. PhD—Fisheries, University of Alaska Fairbanks.
- Often E. 2010. Categorical influence of market participants on US commodity futures prices. Directed by Doug Reynolds with KR Criddle. MS—Economics, University of Alaska Fairbanks.
- Holzinger A. 2007. An econometric model of world trade in salmon. Directed by M Herrmann with JA Greenberg, KR Criddle. MS Resource Economics, University of Alaska Fairbanks.
- Parkinson S. 2006. A critical analysis of the Cooperatives Working Together program. Directed by EB Godfrey with R Ward, KR Criddle. IMBA—Food and Agribusiness Management, Utah State University.
- Whitehead J. 2006. Assessment of the potential for phosphorus emission trading in the Bear River watershed. Directed by A Caplan with P Jakus, KR Criddle. MS—Applied Economics, Utah State University.
- Banik N. 2005. Three essays on interrelated aspects of globalization. Directed by B Biswas with J Gilbert, P Jakus, D Luthy, KR Criddle. PhD—Economics, Utah State University.
- Finley S. 2003. Rural health care. Directed by C Fawson with KR Criddle, R Simmons. MS—Applied Economics, Utah State University.
- Rirermsoonthorn K. 2002. Essays in Thailand's economic growth. Directed by C Fawson with B Biswas, KR Criddle, J Gilbert, P Swensen. PhD—Economics, Utah State University.
- Furniss A. 2001. A recommendation for determining the efficacy of weight removal estimates of the Pacific cod longline CDQ fishery. Directed by J Koebbe with R Cutler, KR Criddle. MS—Applied Mathematics, Utah State University.
- Hamel C. 2001. Economic impact of marine recreational fisheries on the Kenai Peninsula Borough. Directed by M Herrmann with JA Greenberg, KR Criddle. MS—Resource Economics, University of Alaska Fairbanks.
- Lee DM. 2001. A dynamic analysis of the global timber market and carbon flux of forest under global warming: an integrated modeling approach. Directed by KS Lyon with C Fawson, B Biswas, HH Fullerton, KR Criddle. PhD—Economics, Utah State University.
- Jensen L. 2000. Pool size versus precision of prohibited species bycatch estimates for pooled and individual bycatch quotas. Directed by J Koebbe with A Cutler, KR Criddle. MS—Applied Mathematics, Utah State University.
- Thompson J. 2000. Plan C. Directed by C Fawson with TF Glover, LD Israelsen, KR Criddle. MS—Economics, Utah State University.
- Henderson TA. 1998. Economic contribution of wetlands to the value of lake recreation in northern Minnesota. Directed by ST Lee with M Herrmann, KR Criddle. MS—Resource Economics, University of Alaska Fairbanks.
- Jones (Henderson) MM. 1998. An economic valuation of the personal use and subsistence fisheries for salmon on the Copper River. Directed by ST Lee with KR Criddle, M Herrmann. MS—Resource Economics, University of Alaska Fairbanks.
- Farley E. 1997. Improved preseason forecasts of sockeye salmon returns to Bristol Bay, Alaska. Directed by OA Mathisen with RM Fagen, TJ Quinn II, KR Criddle. MS—Fisheries, University of Alaska Fairbanks.
- Mollett ND. 1997. An economic analysis of the consequences of creating individual transferable quota shares in the Alaskan crab fisheries. Directed by JA Greenberg with KR Criddle, M Herrmann. MS—Resource Economics, University of Alaska Fairbanks.
- Carr T. 1996. Environmental management of North Slope oil production. Directed by SC Gerlach with L Ellanna, J Gladden, KR Criddle. MS—Anthropology University of Alaska Fairbanks.
- Natcher W. 1996. Economic evaluation of superexclusive designation for the Norton Sound red king crab fishery. Directed by JA Greenberg with M Herrmann, KR Criddle. MS—Resource Economics, University of Alaska Fairbanks.
- Feller EM. 1995. Potential bioeconomic impacts of climate change in the fisheries for pacific whiting and walleye pollock. Directed by M Herrmann with KR Criddle, JA Greenberg. MS—Resource Economics, University of Alaska Fairbanks.
- Zhang Q. 1995. Canadian and Alaskan salmon fisheries. Directed by M Herrmann with KR Criddle, JA Greenberg. MS—Resource Economics, University of Alaska Fairbanks.
- Kushnir KA. 1994. Economic effect of taxation regimes on the oil industry in Alaska. Directed by JR Boyce with KR Criddle, M Herrmann. MS—Resource Economics, University of Alaska Fairbanks.
- Layman RC. 1994. The economic value of the recreational king salmon fisheries of the Gulkana and Klutina Rivers, Alaska. Directed by JR Boyce with KR Criddle, R Logan. MS—Resource Economics, University of Alaska Fairbanks.
- Mussatti D. 1991. The behavior of the firm in the presence of catastrophic environmental damage and mandatory abatement. Directed by C Read with KR Criddle, KK Keith. MS—Resource Economics, University of Alaska Fairbanks.

KNAUSS FELLOWS

- Erin Steiner, 2009.
 Nina Mollet, 1996.
 Erika Feller, 1995.
 Jill Brady, 1991.

CLASSES TAUGHT***University of Alaska, Fairbanks (2006-)***

FISH 450	Practicum in Fisheries: Fisheries Observer Program (F2012, Sp2013, F2013, Sp2014)
FISH 645	Bioeconomic Modeling and Fisheries Management (Sp2007, Sp2009, Sp2011, Sp2012, Sp2014, Sp2016, Sp2023 , Sp2025, Sp2027)
FISH 670	Quantitative Analysis for Marine Policy Decisions (F2008, Sp2013, F2016, Sp2021, Sp2024 , Sp2026)
FISH 671	Foundations of Marine Policy and Ocean Governance (F2022 , F2023, F2024, F2026)
FISH 672	Law and Fisheries (F2010, F2012, F2015, F2018, F2020, F2022 , F2024)
FISH 673	International Maritime Law and IUU Fisheries (F2023 , F2025)
FISH 674	Economic Development for Fisheries Dependent Communities (Sp2015, Sp2024 , Sp2026)
FISH 681	The North Pacific Fishery Management Council (Su2010, Su2012, Su2013, Su2016, Su2017, Su2019, Su2022 , Su2023, Su2024, Su2025, Su2026)
FISH 683	The Alaska Board of Fisheries (team-taught F2017, Sp2023 , Sp2024, Sp2025, Sp2026, Sp2027)
FISH 690	Marine Policy Internship (Su2023 , F2023, Sp2024, Su2024, F2024, Sp2025, Su2025, F2025, Sp2026, Su2026, F2026, Sp2027)
FISH 691	Marine Policy Capstone (Su2023 , F2023, Sp2024, Su2024, F2024, Sp2025, Su2025, F2025, Sp2026, Su2026, F2026, Sp2027)
FISH 692	Fisheries Seminar (F2007, Sp2010, Sp2014, F2014, F2018, Sp2021)
FISH 692	Current Issues in Marine Policy (F2009)
FISH 692	Innovative Approaches to Marine Ecosystems (team-taught Sp2011)
FISH 693	Applied Multivariate Time Series Analysis in Fisheries (Sp2008, Sp2019)
FISH 695	Integrating Oceanographic, Ecological, and Social Perspectives in Marine Ecosystems (team-taught Su2009, Su2010, Su2011, Su2012)
FISH 697	Mathematics for Fisheries Economics (Sp2010)
FISH 697	Economics of Salmon Aquaculture in Alaska (Sp2014)
LAS 601	Responsible Conduct of Research (Sp2013)
STAT 611	Time Series (F2006, F2007, F2009, F2011, F2013)

SHORT COURSES TAUGHT

Bioeconomics and fisheries management. Institute of Mathematics and Computer Science, Far Eastern National University, Vladivostok, Russia. 9/6-13/08. (18 hours)

An introduction to bioeconomics. Institute of Mathematics and Computer Science, Far Eastern National University, Vladivostok, Russia. 9/4-8/05. (22 hours)

Economics and management of natural resources. Department of Economics and Commerce, Yakutsk State University, Republic of Yakutsk. 4/29/97-5/31/97. (45 hours)

State space modeling of time series. Department of Economics, Utah State University 8/9-13/93. (30 hours)

Economics of fisheries management in Alaska. Groupe d'Etude des Ressources Maritimes, Université de Québec, Rimouski, 4/17-26/91. (20 hours)

† denotes a student co-author

Utah State University (1998-2006)

ECON 1550	Introduction to Environmental and Natural Resource Economics (F1999, F2000, F2001, F2002, F2003, F2004)
ECON 2010	Principles of Microeconomics (F2005)
ECON 5330	Applied Econometrics (F2003, Sp2004, F2004, Sp2005, Sp2006)
ECON 6060/7060	Research Methodology (Sp2003, Sp2004)
ECON 6300	Quantitative Analysis for Business and Policy Decisions (Sp2006)
ECON 6330	Applied Econometrics (Sp2004, F2004, F2005, Sp2006)
ECON 7330	Advanced Econometrics—State Space Time Series Analysis (team-taught in Sp2001, Sp2002, Sp2003, Sp2004, Sp2005, Sp2006)
ECON 7510	Environmental Economics (Sp2001)

University of Alaska, Fairbanks (1989-1998)

ECON 227	Intermediate Statistics for Business and Economics (F1989, Sp1990x2, F1990, Sp1991x2, Su1991, F1991, F1992, Sp1993, F1993, Sp1994, F1994, Sp1995, F1995, Sp1996, F1996, Sp1998)
ECON 321	Intermediate Microeconomics (Su1990)
ECON 438	Economics of Fisheries Management (Sp1990, Sp1992, Sp1994, Sp1996)
ECON 497	Decision Theory and Operations Research (Sp1996)
ECON 624	Managerial Economics (F1989, F1992)
ECON 635	Resource Economics (F1990, F1991, F1992, F1993, F1994, F1995, F1996, F1997)
ECON 638	Resource Policy Analysis (F1991)
ECON 697	Decision Theory and Operations Research (Sp1991)

TECHNICAL ASSISTANCE PROJECTS AND EXPERT TESTIMONY

INTERNATIONAL TECHNICAL ASSISTANCE PROJECTS

Far Eastern Center for Economic Development, Vladivostok, RUSSIA, 08/30 – 9/15/08.

Far Eastern Center for Economic Development, Vladivostok, RUSSIA, 09/01-10/05.

Far Eastern Center for Economic Development, Vladivostok and Far-Eastern Chamber of Commerce and Industry, Khabarovsk, RUSSIA, 03/08-19/05.

Review of Utah State University distance education programs, partnerships and prospective partnerships in China, Singapore, and Hong Kong. 09/04-18/04.

Far Eastern Center for Economic Development; World Economics Department, Institute of Management and Business, Far Eastern State University; Pacific Scientific Research Fisheries Center (IINRO); Vladivostok, RUSSIA, 12/06-20/00.

Department of Economics and Commerce, Yakutsk State University, Republic of Yakutsk, RUSSIA 04/29/97-05/31/97.

Groupe d'Etude des Ressources Maritimes, Université de Québec, Rimouski, CANADA 04/17-26/91.

EXPERT TESTIMONY

Richards v. State of Alaska, 4FA-93-2195, December 1996

State of Alaska v. Asplund, 4FA-S93-3108, April 1994

Tanana Chiefs Conference Inc. v. State of Alaska, October 1993

Southeast Conference v. State of Alaska, April 1992