

KEITH R. CRIDDLE

School of Fisheries and Ocean Sciences—Fisheries Division, 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 2006-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

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

University of Alaska Fairbanks
Interim Dean, School of Management 1997-98
Chair, Department of Economics 1991-92, 1996-97
Associate Professor of Economics 1993-98
Assistant Professor of Economics 1989-93

National Marine Fisheries Service, Alaska Fishery Science Center, Seattle, WA: Industry Economist 1987-89
National Sea Grant College Program: Knauss Congressional Marine Policy Fellow 1986

PROFESSIONAL SERVICE

U.S. National Academies
Ocean Studies Board 2007-12
Fisheries Subcommittee Chair 2008-12

U.S. National Research Council Report Committees
Effectiveness of International & National Measures to Reduce & Prevent Marine Debris & 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

Resource Modeling Association
Board of Directors 2002-10
President Elect, President 2009-12

Associate Editor, *Natural Resource Modeling* 2007-present
Associate Editor, *Marine Resource Economics* 1993-2003

North Pacific Marine Science Organization (PICES)
Study Group on Human Dimensions of EBFM (SG-HD) 2010-11
Co-chair, Section on Human Dimensions of Marine Systems (S-HD) 2012-present
Study Group on Socio-Ecological-Environmental Systems (SG-SEES) 2014-present

Pollock Conservation Cooperative Research Center (PCCRC) Advisory Board 2006-present
Coordination Council for the Higher Math Economics School of the Far Eastern Federal University, Vladivostok, RUSSIA 2009-present
Cache County Agricultural Advisory Board 2003-04
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
National Association of Agricultural Economics Administrators, Secretary/Treasurer 2001-03
Southeast Alaska Community and Economic Development Cluster Working Group, Juneau Economic Development Council 2011-present
US Dept. Commerce, North Pacific Fisheries Management Council, Scientific & Statistical Committee 1993-2010
US Dept. Agriculture, Western Regional Aquaculture Center, Technical Steering Committee 1994-97
Utah Council for Economics Education 2000-05

MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS

American Fisheries Society, European Association of Fisheries Economists, International Institute of Fisheries Economics & Trade, North American Association of Fisheries Economists, Resource Modeling Association, and International Association of Aquaculture Economics and Management

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 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, and policy analysis.

RESEARCH PUBLICATIONS, PRESENTATIONS, AND GRANTS

REFEREED JOURNALS

Peterson† MJ, Mueter F, Criddle KR, Haynie AC. 2014. Costs incurred by Alaskan sablefish, Pacific halibut and Greenland turbot longliners due to killer whale depredation. *PLoS ONE* (in press).

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

Pan M, KR Criddle, C Severance. 2014. Catch shares and Pacific Islands Region fisheries. *Marine Policy* (in press).

Criddle KR, J Strong†. 2013. Dysfunction by design: the effects of limitations on transferability of catch shares in the Alaska pollock fishery. *Marine Policy* 40: 91-99.

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.

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.

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.

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.

Criddle KR, M Herrmann. 2008. A state space bioeconomic model of Pacific halibut. *Natural Resource Modeling* 21:29-60.

Olson† TK, KR Criddle. 2008. Industrial evolution: a case study of Chilean salmon aquaculture. *Aquaculture Economics & Management* 12:1-18.

Herrmann M, KR Criddle. 2006. An econometric market model for the Pacific halibut fishery. *Marine Resource Economics* 21:129-158.

Criddle KR, M Herrmann, ST Lee, C Hamel†. 2003. Participation decisions, angler welfare, and the regional economic impact of sportfishing. *Marine Resource Economics* 18:291-312.

Hamel† 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.

Herrmann M, ST Lee, KR Criddle, C Hamel†. 2001. A survey of participants in the Lower and Central Cook Inlet halibut and salmon sport fisheries. *Alaska Fishery Research Bulletin* 8: 107-117.

Criddle KR, AY Streletskit. 2000. Multiple criterion management of a sequential fishery. *Annals of Operations Research* 94: 259-273.

Criddle KR, S Macinko. 2000. A requiem for the IFQ in US fisheries? *Marine Policy* 24: 461-469.

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.

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.

Herrmann M, JA Greenberg, KR Criddle. 1998. Proposed 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.

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.

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.

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.

Criddle KR, AM Havenner. 1991. An encompassing approach to modeling fishery dynamics. *Natural Resource Modeling* 5: 55-90.

Criddle KR, AM Havenner. 1990. Forecasts from a state space multivariate time series model. *American Journal of Agricultural Economics* 72: 793-798.

Criddle KR, AM Havenner. 1989. Forecasting halibut biomass using system theoretic time series methods. *American Journal of Agricultural Economics* 71: 422-431.

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.

Criddle KR, ES Chang. 1985. Effects of container transparency and reflectivity upon oxygen consumption of hybrid lobsters. *Aquaculture* 47: 373-376.

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.

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.

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.

BOOK CHAPTERS

Criddle KR, I Shimizu. 2014. Economic importance of wild salmon. Pages xxx-xxx in PTK Woo, D 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 Lovecraft, 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, G 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 G 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 G 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.

EDITED CONFERENCE PROCEEDINGS AND TECHNICAL MEMORANDA

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.

OTHER REPORTS AND TECHNICAL PUBLICATIONS

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

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.

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. 77 pages
- 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.
- Herrmann M, ST Lee, C Hamel†, 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.
- Criddle KR. 2001. Economic principles of sustainable fisheries management. Economic Research Institute #ERI 01-19. 35p.
- Criddle KR, M Herrmann, ST Lee, C Hamel†. 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 Hamel†. 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
- Hamel† 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.
- Criddle KR. 2001. The political economy of Russian Far East fisheries management. End of Assignment Report, USAID-Winrock International, Little Rock, AR.
- Herrmann M, ST Lee, KR Criddle, C Hamel†. 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.
- Criddle KR, S Macinko. 2000. A requiem for the IFQ in U.S. Fisheries. Economic Research Institute #ERI 00-23, 16p.
- Criddle KR, M Herrmann, JA Greenberg. 2000. Territorial use rights: a rights based approach to spatial management. Economic Research Institute #ERI 00-17, 25p.
- Herrmann M, ST Lee, C Hamel†, KR Criddle, HT Geier, JA Greenberg, CE Lewis. 2000. An economic assessment of the sport fisheries for halibut and Chinook and coho salmon in Lower Cook Inlet. Economic Research Institute #ERI 00-14, 114p.
- Herrmann M, ST Lee, C Hamel, KR Criddle, JA Greenberg, HT Geier, CE Lewis. 1999. An economic assessment of the marine sport fisheries in lower Cook Inlet: annual report 1998-99. University of Alaska Coastal Marine Institute/U.S. Mineral Management Service. 48p.
- Lee ST, M Herrmann, I Wedin†, KR Criddle, C Hamel, JA Greenberg. 1999. Summary of angler survey: saltwater sport fishing off the Kenai Peninsula, Alaska. Final Report, Alaska Sea Grant Project 98-403 R14-17. 40 pages
- Jones† M, ST Lee, KR Criddle. 1999. Economic value of Alaska's Copper River personal-use and subsistence fisheries. Economic Research Institute #ERI 99-05, 13p.
- Criddle KR, JA Greenberg, HT Geier, C Hamel†, M Herrmann, ST Lee, CE Lewis. 1998. An economic assessment of the marine sport fisheries in lower Cook Inlet: annual report 1997-98. Coastal Marine Institute. 11p.
- Criddle KR, ST Lee, MM Jones† (Henderson). 1998. The economic value of Alaska's Copper River personal-use and subsistence fisheries. Final Report, Alaska Sea Grant Project NA90AA-D-SG066 R32-01. 57p.
- Criddle KR. 1996. Bioeconomic consequences of bycatch in Bering Sea fisheries. Final Project Report to US National Marine Fisheries Service on award NA36FD0181. 16p.
- Criddle KR. 1996. Bioeconomics and management of a mixed stock sequential fishery under uncertainty. Final Project Report to US National Marine Fisheries Service on award NA47FD0353. 136p.
- Criddle KR. 1996. Consequences of alternative management actions on a stochastic sequential fishery: the Yukon River salmon fishery. Final Project Report, Alaska Sea Grant Project NA90AA-D-SG066 R/14-15. 133p.
- Criddle KR, M Herrmann, JA Greenberg, EM Feller†. 1995. Bioeconomic consequences of climate change on the fishery for walleye pollock. Final Project Report to National Oceanic & Atmospheric Administration, Economics of Climate Change Program on award NA36GP0490. 86p.
- Herrmann M, KR Criddle, JA Greenberg, EM Feller†. 1995. An econometric examination of the relationship between the exvessel price for walleye pollock and the surimi export price to Japan. Appendix V to the Draft EA/RIR for Amendment 18/23 to the Gulf of Alaska and Bering Sea/Aleutian Islands Fishery Management Plans, North Pacific Fisheries Management Council, Anchorage, AK.
- Greenberg JA, M Herrmann, KR Criddle. 1994. Individual transferable pot quotas in the BSAI crab fisheries. North Pacific Fisheries Management Council, Anchorage, AK.

Criddle KR. 1992. Intra- and inter-regional labor market linkages in rural interior Alaska and three adjoining regions: the Upper Copper River Basin, the Upper Kuskokwim River Basin, and the Arctic Slope. Southeast Conference vs. State of Alaska, Superior Court, Juneau. 72p.

Gardner BD, RG Huffaker, KR Criddle. 1986. Statewide cattle and sheep inventories on California rangeland and irrigated pasture. California Department of Forestry, Forest & Rangeland Resource Assessment Program, Contract #8CA42134.

PUBLISHED ABSTRACTS AND REVIEWS

Criddle KR, M Herrmann, JA Greenberg. 2001. Territorial use rights: a rights-based approach to spatial management. *Journal of Agricultural & Resource Economics* 26: 557.

Lee ST, M Herrmann, KR Criddle, C Hamelt. 2000. Modeling the economic effect of fishery attribute on participation rates: the Kenai Peninsula marine sport fishery. *Journal of Agricultural & Resource Economics* 25: 720.

Criddle KR, S Macinko. 2000. A requiem for the IFQ in US fisheries? *Journal of Agricultural & Resource Economics* 25: 721.

Criddle KR. 1994. Review of PC-DOS SPEAKEASY IV: an interactive matrix programming language. *Natural Resource Modeling* 7: 399-401.

Criddle KR. 1994. Review of GAUSS 386i v3.1: an interactive matrix programming language. *Natural Resource Modeling* 7: 403-405.

Fawson C, KR Criddle. 1992. Modeling intersectoral and interregional linkages in rural labor markets. *American Journal of Agricultural Economics* 74: 1301.

Criddle KR, AM Havenner. 1989. An encompassing approach to modeling fishery dynamics. *American Journal of Agricultural Economics* 71: 1339.

MANUSCRIPTS IN REVIEW

Strong[†] 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* (accepted subject to revision).

Wadsworth[†] RM, KR Criddle, G Kruse. 2014. Incorporating stakeholder input into research priorities for the Aleutian Islands. *Ocean and Coastal Management* (accepted subject to minor revision).

Yasumiishi[†] ECM, KR Criddle, N Hillgruber, FJ Mueter, and JH Helle. Chum salmon (*Oncorhynchus keta*) growth and temperature indices as indicators for the year class strength of age-1 pollock (*Theragra chalcogramma*) in the eastern Bering Sea. *Fisheries Oceanography*.

Yasumiishi[†] ECM, KR Criddle, JH Helle, N Hillgruber and FJ Mueter. Growth of two chum salmon (*Oncorhynchus keta*) populations from southeast Alaska and Washington in relation to population abundance and climate in the eastern North Pacific Ocean, 1972-2004. *Fishery Bulletin*.

Ye[†] H, G Sugihara, KR Criddle. Comprehensive incentives for reducing Chinook salmon bycatch in the Bering Sea pollock fleet: individual tradable encounter credits.

SPONSORED PROJECTS

Criddle KR, A Bychkov. Second International Symposium on Effects of Climate Change on the World's Oceans. NASA NSPIRES, 2012-2013. (\$27.8K)

Adkison M, KR Criddle. Characterization of the salmon bycatch in the Bering Sea and Aleutian Islands (BSAI) pollock fisheries and its effects. North Pacific Research Board, 2010-2014. (\$393.4K)

Criddle KR, G Eckert, G Kruse, C Carothers, F Mueter. Science Master's Program (SMP) in sustainable ecosystem-based management of living marine resources (SELMR). NSF-SMP, 2010-2013. (\$700K)

Gillis K, D Andersen, W Bechtol, KR Criddle, G Knapp, E Mercer, C Scott, R Wolfe. Human systems and sustainable salmon: social, economic, and political linkages. AYK-SSI, 2010-2011. (\$48.5K subcontract)

Criddle KR, TJ Quinn II. Straddling the line: cooperative and non-cooperative strategies for management of Bering Sea pollock. North Pacific Research Board, 2009-2013. (\$289.4K)

Eckert G, W Smoker, G Kruse, M Murray, KR Criddle. Marine Ecosystem Sustainability in the Arctic and Subarctic (MESAS). National Science Foundation, IGERT, 2008-2014. (\$2,999.9K)

Criddle KR. Fishing for pollock in a sea of change. National Marine Fisheries Service, Saltonstall-Kennedy Program, 2008-11. Award number NA08NMF4270420 (\$142.2K).

Gende S, KR Criddle. Understanding the impacts of cruise ships to coastal ecosystems and communities: a seminar series. National Park Service, CESU Cooperative Agreement Number H9910030024, 2008-09 (\$10K).

Criddle KR, A Abramov, E Anferova. Fishery bioeconomics: a partnership between the Russian and American analytical centers—Strengthening Russian Economic Think Tanks (SETT), USAID IRIS Center, University of Maryland, 2008 (\$20K).

Criddle, KR, P Cullenberg. Advancing an Alaskan regional marine research plan. National Sea Grant College Program, 2006-2012 (\$266K).

Criddle KR, M Herrmann. A global analysis of salmon prices: how low can they go? Alaska Sea Grant, 2006-08 (\$185.5K).

Criddle KR. Individual, group, and public rights-based management of natural resources. Utah Agriculture Experiment Station, 2001-06.

Criddle KR. Water conservation, competition and quality in Western irrigated agriculture. Utah Agriculture Experiment Station, 2003-06.

Bailey D, R Shiptsova, R Ward, KR Criddle, DJ McMahon, D Cornforth, A Young. Center for food quality, certification, transparency, and traceability. USDA, CSREES, 2002-05 (\$139.3K).

Criddle KR. Economics Research Institute. Utah Agriculture Experiment Station, 1998-2005.

Criddle KR, M Herrmann. An economic analysis of the Pacific halibut commercial fishery. Alaska Sea Grant, 2002-04 (\$79.4K).

Criddle KR. Precision of prohibited species bycatch estimates for pooled and individual bycatch quotas. Alaska Sea Grant, 2000-02 (\$66.4K).

Criddle KR, M Herrmann, ST Lee, JA Greenberg, CE Lewis. An economic assessment of the marine sport fisheries in lower Cook Inlet. Coastal Marine Institute, Minerals Management Service, 1997-01 (\$140.8K)

Criddle KR. Property rights-based management of natural resources: impacts on industry. Utah Agriculture Experiment Station, 2000-01.

Criddle KR, ST Lee. Copper River basin personal use and subsistence fisheries. Alaska Sea Grant, 1998-99 (\$72.2K)

Criddle KR, ST Lee, M Herrmann, JA Greenberg. The Kenai Peninsula Pacific halibut sport fishery. Alaska Sea Grant, 1997-98 (\$79.9K)

Weller G, ME Edwards, JS Sedinger, KR Criddle. A synthesis and analysis of the regional impacts of global change in the western Arctic/Bering Sea region. National Science Foundation, Office of Polar Programs, Arctic System Science Program, 1997 (\$115.4K).

Criddle KR, M Herrmann. A bioeconomic analysis of the Pacific Herring roe fishery. University of Alaska Natural Resources Fund, 1996-97 (\$12.0K)

[†] denotes student

Greenberg JA, M Herrmann, KR Criddle. Consideration of improved cost information for the BSAI crab fisheries. Alaska Department of Fish & Game, 1996. (\$25.0K)

Greenberg JA, M Herrmann, HT Geier, KR Criddle, W Natcher. Economic evaluation of super exclusive designation for the summer Norton Sound red king crab fishery. Alaska Department of Fish & Game, 1995-1996. (\$25.0K)

Criddle KR. Bioeconomics and management of a mixed stock sequential fishery under uncertainty. National Marine Fisheries Service, Saltonstall-Kennedy Program, 1994-1995. (\$68.6K)

Glover T, C Fawson, DT Jensen, KR Criddle. Linkages between climatic change and land use decisions. NOAA Economics of Global Change Program, US Department of Commerce, 1994-1996. (\$126.9K)

Criddle KR, JA Greenberg, M Herrmann, CE Lewis. Commercial and subsistence salmon fisheries of the Yukon River. Alaska Sea Grant, 1994-95 (\$74.0K)

Greenberg JA, M Herrmann, KR Criddle. Considerations in applying individual fishing quotas to Alaska's Bering Sea and Aleutian Islands crab fisheries. Alaska Department of Fish & Game, 1993. (\$25.0K)

Criddle KR, JA Greenberg, M Herrmann, TJ Quinn II. Potential bioeconomic impacts of climate change on the Bering Sea pollock fishery. NOAA Economics of Global Change Program, US Department of Commerce, 1993-95. (\$55.0K)

Criddle KR. Bioeconomic consequences of bycatch in Bering Sea fisheries. National Marine Fisheries Service, Saltonstall-Kennedy Program, 1993-94. (\$57.7K)

Criddle KR. Mixed structural/time series methods for evaluating the impact of bycatch on population dynamics. National Marine Fisheries Service, Saltonstall-Kennedy Program, 1992-93. (\$72.9K)

Criddle KR, TP Smith. Optimal allocation of groundfish in the fisheries off Alaska. Alaska Sea Grant, 1992-94. (\$49.4K)

Criddle KR, JR Boyce, P Olson. Valuing the benefits of stocking sport fisheries at Birch and Quartz Lakes. Alaska Department of Fish & Game, 1992 (\$14.3K)

Criddle KR, JR Boyce, RC Layman. The economic value of the sport and personal use fisheries of the Upper Copper River, Alaska. Alaska Sea Grant, 1992. (\$5.6K)

Criddle KR. Modeling dynamic interregional labor market linkages. University of Alaska Fairbanks, Office of the Vice Chancellor for Research, and, School of Management, 1990. (\$10.0K)

Criddle KR. Exploring a multidisciplinary approach to fisheries management research. Alaska Sea Grant, 1990. (\$0.5K)

Criddle KR, JK Brady. Socially optimal recovery rates of OCS petroleum in the Chukchi Sea. Alaska Sea Grant, 1990. (\$4.0K)

Criddle KR, JR Dorfman. Optimal control of canned and cold storage holdings in seasonal fisheries. Alaska Sea Grant and Georgia Sea Grant, 1990-92. (\$19.7K)

INVITED LECTURE SERIES

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)

CONFERENCE PRESENTATIONS

Criddle KR, M Makino. 2014. Trends in time series observations of human dimension indicator data for the North Pacific ecosystem. *Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) Open Science Conference*, Bergen, Norway.

Therriault TW, RI Perry, M Makino, KR Criddle. 2014. Large-Scale Ecosystem and Societal Responses: The PICES FUTURE Program. *Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) Open Science Conference*, Bergen, Norway.

Criddle KR. 2014. A review of similarities and differences in fisheries regulatory frameworks across PICES region. *North Pacific Fisheries Organization (PICES) FUTURE*, Kohala, HI.

Criddle KR, M Makino. 2014. Preliminary analysis of trends in time series observations of human dimension indicator data for the North Pacific ecosystem. *North Pacific Fisheries Organization (PICES) FUTURE*, Kohala, HI.

Criddle KR. 2014. Boom, bust, and boom: the transition from crab to groundfish in the Eastern Bering Sea. *4th Ecosystem Studies of Sub-Arctic Seas (ESSAS) Open Science Meeting*, Copenhagen, Denmark.

Mitsutaku M, KR Criddle. 2013. Why do we need human dimensions for the FUTURE program? *North Pacific Fisheries Organization (PICES)*, Nanaimo, Canada.

Criddle KR 2013. Bioeconomic harvest control rules for sustainable management of fisheries in a nonstationary environment. *AAAS-Arctic Conference*, Kodiak, AK

Criddle KR. 2013. Towards a bioeconomic framework for reforming harvest control rules for Alaska groundfish. *North American Association of Fisheries Economists*, St. Petersburg, FL.

Criddle KR. 2013. Evolution of property rights in the Eastern Bering Sea pollock fishery. *European Association of Fisheries Economists*, Edinburgh, Scotland.

Criddle KR. 2013. Evolution of property rights in the Eastern Bering Sea pollock fishery. *3rd Ecosystem Studies of Sub-Arctic Seas (ESSAS) Open Science Meeting*, Hakodate, Japan.

Criddle KR, J Strong†. 2012. Straddling the line: cooperative and non-cooperative strategies for management of Bering Sea pollock. *North Pacific Fisheries Organization (PICES)*, Hiroshima, Japan.

Criddle KR, E Steiner†. 2012. Balancing biological sustainability with the economic needs of Alaska's sockeye salmon fisheries. *Resource Modeling Association*, Brisbane, Australia.

Criddle KR. 2012. University of Alaska Fisheries, Seafood, and Maritime Initiative. *Pacific Fisheries Technologists Conference*. Anchorage, AK.

Criddle KR, J Strong†. 2012. Dysfunction by design: the effects of limitations on transferability of catch shares in the Alaska pollock fishery. *Joint Mathematics Meeting*. Boston, MA.

Bechtol WR, KR Criddle. 2011. Simulation of AYK salmon runs. *American Fisheries Society—Alaska Chapter*, Girdwood, AK.

Criddle KR. 2011. Adaptation and maladaptation—factors that influence the fragility of fisheries. *American Fisheries Society—Alaska Chapter*, Girdwood, AK.

Criddle KR, J Strong†. 2011. Dysfunction by design: the effects of limitations on transferability of catch shares in the Alaska pollock fishery. *North Pacific Fisheries Organization (PICES)*, Khabarovsk, Russia.

- Criddle KR. 2011. Alternative visions for fisheries governance—the rights of individuals versus the interests of communities. *Lowell Wakefield Symposium on Fishing People of the North: Cultures, Economies, and Management Responding to Change*, Anchorage, AK.
- Wadsworth† RM, KR Criddle. 2011. Stakeholder-driven identification of research priorities for the Aleutian Islands. *American Fisheries Society*. Seattle, WA.
- Criddle KR, J Strong†. 2011. Dysfunction by design: the effects of limitations on transferability of catch shares in the Alaska pollock fishery. *Lessons Learned in Rights-Based Fisheries Management: PERC Workshop*. Bozeman, MT.
- Criddle KR. 2011. Adaptation and maladaptation to environmental change—fragility and resilience of sub-Arctic fisheries. *Resource Modeling Association*, Ottawa, Canada.
- Criddle KR. 2011. Adaptation and maladaptation to environmental change—fragility and resilience of sub-Arctic fisheries. *2nd Ecosystem Studies of Sub-Arctic Seas (ESSAS) Open Science Meeting*, Seattle, WA.
- Criddle KR. 2011. Cooperative and noncooperative strategies for Management of Bering Sea pollock. *2nd Ecosystem Studies of Sub-Arctic Seas (ESSAS) Open Science Meeting*, Seattle, WA.
- Criddle KR. 2011. Management of coupled nonstationary dynamic bioeconomic systems. *North American Association of Fisheries Economists*, Honolulu, HI.
- Wadsworth† RM, KR Criddle. 2011. Using stakeholder input to identify priority data and information needs for ecosystem—based management of living marine resources in the Aleutian Islands Region. *Alaska Marine Science Symposium*, Anchorage, AK.
- Criddle KR. 2010. Alaskan fisheries in a changing world: the global economy and its impact on Alaskan fisheries. *American Fisheries Society—Alaska Chapter*, Juneau, AK.
- Criddle KR. 2010. Management of coupled nonstationary dynamic bioeconomic systems. *Resource Modeling Association*, Helsinki, Finland.
- Ye† H, KR Criddle, G Sugihara. 2010. Comprehensive incentives for reducing Chinook salmon bycatch in the Bering Sea pollock fleet: individual tradable encounter credits. *Resource Modeling Association*, Helsinki, Finland.
- Wadsworth† RM, KR Criddle. 2010. Using stakeholder input to identify priority data and information needs for ecosystem-based management of living marine resources in the Aleutian Islands Region. *Alaska Marine Science Symposium*, Anchorage, AK.
- Steiner† E, KR Criddle, MD Adkison. 2009. Balancing biological sustainability with the economic needs of Alaska's sockeye salmon fisheries. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Steiner† E, KR Criddle, MD Adkison. 2009. Balancing biological sustainability with the economic needs of Alaska's sockeye salmon fisheries. *North American Association of Fisheries Economists*, Newport, RI.
- Criddle KR. 2009. Straddling the line: cooperative and non-cooperative strategies for management of Bering Sea pollock. INRA—Lessons from Continuity and Change in the Fourth International Polar Year. Fairbanks, AK.
- Criddle KR. 2008. Management of coupled nonstationary dynamic bioeconomic systems. *North Pacific Fisheries Organization (PICES)*, Dalian, China
- Criddle KR. 2008. Fisheries and the evolution of rights-based management in Alaska. *Fifth International Fisheries Congress*, Vladivostok, Russia
- Steiner† E, KR Criddle, MD Adkison. 2008. Alternative harvest strategies for Bristol Bay sockeye amidst a changing marketplace. *Alaska Marine Science Symposium*, Anchorage, AK.
- Criddle KR. 2007. Optimal strategic behavior in a duopoly model with two markets or what should an 800 lb. gorilla do when it meets King Kong? *Resource Modeling Association*, Cape Cod, MA.
- Criddle KR, M Herrmann. 2007. A state space bioeconomic model of Pacific halibut. *North American Fisheries Economics Forum*, Merida, Mexico.
- Holzinger† A, M Herrmann, KR Criddle. 2007. Alaskan salmon prices and the Chilean farmed salmon industry. *North American Fisheries Economics Forum*, Merida, Mexico.
- Criddle KR. 2006. Multiple-use fisheries and property rights. *16th Political Economy Forum: Evolving Approaches to Managing Marine Recreational Fisheries*. Political Economy Research Center, Emigrant, MT
- Criddle KR. 2005. Seafood certification. *Second International Fisheries Congress*, Vladivostok, Russia
- Criddle KR. 2005. Trends in seafood markets. *Second International Fisheries Congress*, Vladivostok, Russia
- Criddle KR, M Herrmann. 2005. A state space bioeconomic model of Pacific halibut. *American Fisheries Society*, Anchorage, AK.
- Herrmann M, KR Criddle. 2005. Alaska halibut revenues, transferable quotas and halibut farming. *American Fisheries Society*, Anchorage, AK.
- Criddle KR, M Herrmann. 2005. A state space bioeconomic model of Pacific halibut. *Resource Modeling Association*, Arcata, CA.
- 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. *North American Fisheries Economics Forum*, Vancouver, BC
- Criddle KR. 2004. Non-native oysters in the Chesapeake Bay: weighing the promise of introduction and fear of invasion. *World Aquaculture Society*, Honolulu, HI.
- Criddle KR. 2004. Economic principles of sustainable multi-use fisheries management. *Western Regional Science Association*, Maui, HI.
- Criddle KR. 2002. Property rights and the management of multiple use fisheries. *12th Political Economy Forum: Evolving Property Rights in Marine Fisheries*, Political Economy Research Center, Big Sky, MT.
- Lee ST, M Herrmann, KR Criddle, C Hamel†. 2002. Modeling the effect of fishery attributes on participation rates and angler welfare: the Kenai Peninsula marine sport fishery. *Western Regional Science Association*, Monterey, CA.
- Criddle KR. 2001. A bioeconomic analysis of the Pacific halibut fishery, a multiple use renewable resource. *Resource Modeling Association*, Logan, UT.
- Criddle KR, M Herrmann, C Hamel†. 2001. Evaluating the economic consequences of proposed management actions in the Alaska charter halibut fishery. *North American Fisheries Economics Forum*, New Orleans, LA.
- Criddle KR. 2001. Finding economic incentives to support fisheries sustainability. *American Fisheries Society*, Phoenix, AZ.
- Criddle KR. 2001. Political economy of fishing cooperatives: management considerations for the Eastern Bering Sea pollock fishery. *North American Fisheries Economics Forum*, New Orleans, LA.
- Criddle KR, M Herrmann, JA Greenberg. 2001. Territorial use rights: a rights based approach to spatial management. *Western Agricultural Economics Association*, Logan, UT.
- Herrmann M, KR Criddle, ST Lee, C Hamel†. 2001. Participation decisions, compensating variations, and the regional economic impact of sportfishing. *American Fisheries Society—Bonneville Chapter*, St. George, UT.

- Criddle KR. 2000. Climate fluctuation, population dynamics, economics, and the eastern Bering Sea fishery for walleye pollock. *Distinguished Marine Scientist Colloquium*, Hatfield Marine Science Center, Newport, OR.
- Criddle KR, S Macinko. 2000. A requiem for the IFQ in US Fisheries. *Western Agricultural Economics Association*, Vancouver, BC.
- Criddle KR, S Macinko. 2000. Political economy and profit maximization in the Eastern Bering Sea fishery for walleye pollock. *International Institute for Fisheries Economics & Trade*, Corvallis, OR.
- Hamel† C, M Herrmann, ST Lee, KR Criddle. 2000. An economic discussion of the marine sport fisheries in Lower Cook Inlet. *International Institute for Fisheries Economics & Trade*, Corvallis, OR.
- Hamel† C, M Herrmann, ST Lee, KR Criddle, HT Geier. 2000. Linking sportfishing trip attributes, participation decisions, and regional economic impacts in Lower and Central Cook Inlet, Alaska. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Henderson† (Jones) MM, KR Criddle, ST Lee. 2000. The economic value of Alaska's Copper River personal-use and subsistence fisheries. *Western Regional Science Association*, Kauai, HI.
- Herrmann M, KR Criddle, ST Lee, C Hamel†. 2000. An economic evaluation of the demand for marine sport fisheries in Lower and Central Cook Inlet, Alaska. *American Fisheries Society—Alaska Chapter*, Fairbanks, AK.
- Herrmann M, ST Lee, KR Criddle, C Hamel†. 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 Hamel†. 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 Hamel†. 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.

WORKSHOP/SEMINAR PRESENTATIONS

- 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

- PICES (North Pacific Fisheries Organization)* FUTURE OSM. Kohala, HI, April 2014.
- Ecosystem Studies of Sub-Arctic Seas (ESSAS) 4th Open Science Meeting*, Copenhagen, Denmark. April 2014.
- Alaska Marine Science Symposium*, Anchorage, AK, January 2014.
- PICES (North Pacific Fisheries Organization)*. Nanaimo, Canada, October 2013.
- AAAS-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.
- North American Association of Fisheries Economists*, St. Petersburg, FL. May 2013.
- European Association of Fisheries Economists*, Edinburgh, Scotland. April 2013.
- Alaska Marine Science Symposium*, Anchorage, AK, January 2013.
- Ecosystem Studies of Sub-Arctic Seas (ESSAS) 3rd Open Science Meeting*, Hakodate, Japan. January 2013.
- American Fisheries Society—Alaska Chapter*, Kodiak, AK, October 2011.
- PICES (North Pacific Fisheries Organization)*. Hiroshima, Japan, October 2012.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Brisbane, Australia, July 2012.
- 2nd International Symposium on Climate Change and the World's Oceans*. Yeosu, Korea, May 2012
- Pacific Fisheries Technologists Conference*. Anchorage, AK, February 2012.
- Alaska Marine Science Symposium*, Anchorage, AK, January 2012.
- Joint Mathematics Meetings*. Boston, MA, January 2012.

- American Fisheries Society—Alaska Chapter*, Girdwood, AK, November 2011.
- PICES (North Pacific Fisheries Organization). Khabarovsk, Russia, October 2011.
- Lowell Wakefield Symposium on Fishing People of the North: Cultures, Economics, and Management Responding to Change*, Anchorage, AK, September 2011
- Lessons Learned in Rights-Based Fisheries Management: PERC Workshop*. Bozeman, MT, July 2011.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Ottawa, Canada, June 2011.
- 2nd Ecosystem Studies of Sub-Arctic Seas (ESSAS) Open Science Meeting*, Seattle, WA, May 2011.
- North American Association of Fisheries Economists*, Honolulu, HI, May 2011.
- 5th International Conference on Marine Debris, Honolulu, HI, March 2011.
- 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.
- American Fisheries Society—Alaska Chapter*, Juneau, AK, November 2010.
- PICES (North Pacific Fisheries Organization). Portland, OR, October 2010.
- PICES Human Dimensions of Ecosystem Based Fisheries Management Study Group. Yokohama, Japan, June 2010.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Helsinki, Finland, June 2010
- Western Alaska Interdisciplinary Science Conference and Forum. Unalaska, AK, March 2010.
- Catch Share Workshop, Pacific Islands Fisheries Science Center, Honolulu, HI, March 2010.
- 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.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Juneau, AK, June 2009.
- INRA (Inland Northwest Research Alliance)—Lessons from Continuity and Change in the Fourth International Polar Year. Fairbanks, AK, March 2009.
- 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). Dalian, China, October 2008.
- SCOR (Scientific Committee on Ocean Research) 50th Anniversary Symposium, Woods Hole, MA, October 2008
- Fifth International Fisheries Congress*, Vladivostok, Russia, September 2008.
- International Institute of Fisheries Economics & 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.
- Alaska Marine Science Symposium*, Anchorage, AK, January 2008.
- Fisheries Policy & Experimental Economics: Opportunities & Priorities, Anchorage, AK, July 2007.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Cape Cod, MA, June 2007.
- International Polar Year, North by 2020 Living Marine Resource Work Group, Juneau, AK, May 2007.
- North American Fisheries Economics Forum*, Merida, Mexico., April 2007.
- Alaska Marine Science Symposium*, Anchorage, AK, January 2007.
- American Fisheries Society—Alaska Chapter*, Fairbanks, AK, November 2006.
- China Seafood Show*, Qingdao, China, October 2007.
- 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.
- American Fisheries Society*, Anchorage, AK, September 2005.
- Second International Fisheries Congress*, Vladivostok, Russia, September 2005.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Arcata, CA, June 2005
- North American Fisheries Economics Forum*, 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.
- Western Association of Agricultural Economics Administrators*, Spokane, WA, October 2004.
- Western Water W-1190 Conference*, Salt Lake City, UT, October 2004.
- American Agricultural Economics Association*, Denver, CO, August 2004.
- Bevan Conference on Sustainable Fisheries*, Seattle, WA, May 2004.
- World Aquaculture Society*, Honolulu, HI, March 2004.
- Western Regional Science Association*, Maui, HI, February 2004.
- 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.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Beaufort, NC, June 2003
- Western Association of Agricultural Economics Administrators*, San Luis Obispo, CA, October 2002.
- 12th Political Economy Forum*, Big Sky, MT, March 2002.
- American Fisheries Society*, Phoenix, AZ, August 2001.
- Western Agricultural Economics Association*, Logan, UT, July 2001.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Logan, UT, June 2001
- North American Fisheries Economics Forum*, New Orleans, LA, April 2001
- American Fisheries Society—Bonneville Chapter*, St. George, UT, February 2001.
- American Fisheries Society—Alaska Chapter*, Fairbanks, AK, November 2000.
- Western Association of Agricultural Economics Administrators*, Tucson, AZ, October 2000.
- International Institute of Fisheries Economics & Trade*, Corvallis, OR, July 2000.
- Western Agricultural Economics Association*, Vancouver, British Columbia, June 2000.

- Western Regional Science Association*, Kauai, HI, February 2000.
- 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.
- American Fisheries Society—Bonneville Chapter*, 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
- Continuous Improvement Symposium*, American Assembly of Collegiate Schools of Business, San Diego, CA, October 1997
- Workshop on the Impacts of Global Change on the Western Arctic/Bering Sea Region, Fairbanks, AK, June 1997.
- American Fisheries Society—Alaska Chapter*, Fairbanks, AK, November 1996.
- American Fisheries Society*, Dearborn, MI, August 1996.
- American Fisheries Society—Alaska Chapter*, Wasilla, AK, November 1995.
- International Arctic Science Committee Bering Sea Impacts Workshop (BESIS)*, Fairbanks, AK, September 1995
- 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.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Juneau, AK, June 1995.
- Institute on the Economics of the Climate Resource*, National Center for Atmospheric Research, 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.
- American Fisheries Society—Alaska Chapter*, Fairbanks, AK, November 1993.
- International Symposium of the Conference of Pan-Pacific University Presidents*, Anchorage, AK, September 1993.
- American Fisheries Society*, Portland, OR, August 1993.
- International Conference on Fisheries Economics*, Centre for Fishery Economics, Bergen, Norway, May 1993
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Tucson, AZ, May 1993.
- Alaska Marine Resource Economics Workshop*, Anchorage, AK, February 1993.
- American Fisheries Society—Alaska Chapter*, Valdez, AK, November 1992.
- International Symposium on Management Strategies for Exploited Fish Populations*, Alaska Sea Grant, Anchorage, AK, October 1992.
- American Agricultural Economics Association*, Baltimore, MD, August 1992
- Teaching Workshop, *American Agricultural Economics Association*, Baltimore MD, August, 1992
- University of Alaska Statewide Fisheries Colloquium*, Fairbanks, AK, July 1992.
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Berkeley, CA, June 1992.
- Canada/United States Symposium on the Impacts of Climate Change on Resource Management of the North, Whitehorse, YT, Canada, May 1992
- American Association for the Advancement of Science*, Fairbanks, AK, June 1991.
- Alaska Salmon Forecasting Workshop*, Alaska Department of Fish & Game, Anchorage AK, March 1991.
- 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
- International Conference on Natural Resource Modeling, *Resource Modeling Association*, Cornell, NY, October 1990
- American Agricultural Economics Association*, Vancouver, BC, Canada, August 1990
- Nonmarket Valuation: Extending the Frontiers & New Applications, a Learning Workshop. *American Agricultural Economics Association*, 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.
- American Agricultural Economics Association*, Atlanta, GA, December 1989.
- American Agricultural Economics Association*, Baton Rouge, LA, August 1989.
- American Agricultural Economics Association*, Reno, NV, August 1988.

INSTRUCTION AND ADVISING

INSTRUCTIONAL MATERIALS

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

GRADUATE STUDENT SUPERVISION

Chair or co-Chair—ongoing

DebRoy P. 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

Figus E. Comparative analysis of IFQs in Alaska and EU. Directed by KR Criddle with A Beaudreau, C Carothers, E Kuzebksi. PhD Fisheries, University of Alaska Fairbanks.

Gho M. 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. 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, J Kelley, and R Felthoven. PhD. Natural Resources and Sustainability, University of Alaska Fairbanks.

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

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.

Shriver J. 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.

Smoker A. Causes and consequences of changing participation and fishing effort in the Southeast Alaska Dungeness crab fishery. Directed by KR Criddle and C Carothers with G Eckert, F Bowers. MS Fisheries, University of Alaska Fairbanks.

Strong J. Cooperative and non-cooperative strategies for management of Bering Sea pollock. Directed by KR Criddle with TJ Quinn II, J. Greenberg, A Haynie. PhD Fisheries, University of Alaska Fairbanks.

Chair or co-Chair—completed

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 G 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 G 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 G 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.

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 & KR Criddle with D Bernard, J Fox, J Gladden, TJ Quinn II. PhD—Fisheries, University of Alaska Fairbanks.

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

Committee Member—ongoing

Chambers CP. 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.

Chan M. Subsistence and charter halibut fisheries. Directed by A Beaudreau, with KR Criddle, P Loring, BP Vander Naald. PhD Fisheries, University of Alaska Fairbanks.

Chenoweth E. Humpback whale predation on hatchery-released salmon in Southeast Alaska. Directed by M McPhee with S Atkinson, J Straley, R Heintz, KR Criddle. PhD Fisheries, University of Alaska Fairbanks.

Courtney D. 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. 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, G Kruse, KR Criddle, and C Tribuzio. PhD Fisheries, University of Alaska Fairbanks.

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

Peterson MJ. 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.

Springer E. Fish and humanity: community identity in Alaska commercial fisheries. Directed by M Murray, with KR Criddle, C Gerlach, W Schneider. PhD Northern Studies, University of Alaska Fairbanks.

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

Williams B. Variation in maturation and fecundity of walleye pollock in the Gulf of Alaska and eastern Bering Sea. Directed by G Kruse with TJ Quinn II, M Dorn, KR Criddle. 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.

Committee Member—completed

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 G 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.

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.

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, <i>Sp2016</i>)
FISH 670	Quantitative Analysis for Marine Policy Decisions (F2008, Sp2013, <i>Sp2015</i>)
FISH 672	Law and Fisheries (F2010, F2012, <i>F2015</i>)
FISH 681	The North Pacific Fishery Management Council: A Case Study (team taught Su2010, Su2012, Su2013)
FISH 692	Fisheries Seminar (F2007, Sp2010, Sp2014, <i>F2014</i>)
FISH 692	Current Issues in Marine Policy (F2009)
FISH 692	Innovative Approaches to Marine Ecosystems (team taught Sp2011)
FISH 693	Advanced Time Series (Sp2008)
FISH 695	Integrating Oceanographic, Ecological, & Social Perspectives in Marine Ecosystems (team taught Su2009, Su2010, Su2011, Su2012)
FISH 697	Mathematics for Fisheries Economics (Sp2010)
FISH 697	Salmon Aquaculture Economics (Sp2014)
LAS 601	Responsible Conduct of Research (Sp2013)
STAT 611	Time Series (F2006, F2007, F2009, F2011, F2013)

Utah State University (1998-2006)

ECON 1550	Introduction to Environmental & 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 & 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 & 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 & 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 & 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 (TINRO); 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