

KEITH R. CRIDDLE

School of Fisheries and Ocean Sciences—Fisheries Division, University of Alaska Fairbanks, 11120 Glacier Highway, 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 and Economics, CA State University, Sacramento, 1982

POSITIONS HELD

- University of Alaska Fairbanks
 - Ted Stevens Distinguished Professor of Marine Policy 2006-
- 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

- Associate Editor, *Marine Resource Economics* 1993-2003
- Cache County Agricultural Advisory Board 2003-04
- Committee to Review the Pelagic Fisheries Research Program, University of Hawaii, Manoa 1999, 2000
- National Association of Agricultural Economics Administrators, Secretary/Treasurer 2001-03
- National Academy of Science, National Research Council
 - Committee to Evaluate the Sea Grant Program Review Process 2005-06
 - Committee on the Introduction of Nonnative Oysters in the Chesapeake Bay 2002-03
 - Committee to Review Education and Training Needs for Fishery Science and Management 2000
 - Committee to Review Individual Fishing Quotas 1997-99
- US Dept. Commerce, North Pacific Fisheries Management Council, Scientific and Statistical Committee 1993- present
- Resource Modeling Association, Board of Directors 2002-07
- Steering Committee, Center for Global Change and Arctic Systems Research, University of Alaska Fairbanks 1993-98
- US Dept. Agriculture, Western Regional Aquaculture Center, Technical Steering Committee 1994-97
- Utah Council for Economics Education 2000-05

MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS

- American Agricultural Economics Association
- American Fisheries Society
- International Association for Society and Natural Resources
- International Institute of Fisheries Economics and Trade
- North American Association of Fisheries Economists
- Resource Modeling Association
- Western Agricultural Economics Association
- World Aquaculture Society

RESEARCH AND TEACHING INTERESTS

My research focuses on the intersection between the natural sciences, economics, and public policy and is driven by an interest in the sustainable management of marine resources with a particular emphasis on the commercial, sport, and subsistence fisheries of the North Pacific.

My teaching experience is primarily with undergraduate and graduate courses in resource economics, econometrics, and operations research.

RESEARCH PUBLICATIONS, PRESENTATIONS, AND GRANTS

REFEREED JOURNAL PUBLICATIONS

- Criddle KR and M Herrmann. 2007. A state space bioeconomic model of Pacific halibut. *Natural Resource Modeling*. (forthcoming)
- Herrmann M and KR Criddle. 2006. An econometric market model for the Pacific halibut fishery. *Marine Resource Economics*. 21:129-158.
- Criddle KR, M Herrmann, ST Lee and 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 and 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 and 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 and AY Streletski. 2000. Multiple criterion management of a sequential fishery. *Annals of Operations Research* 94: 259-273.
- Criddle KR, and S Macinko. 2000. A requiem for the IFQ in US fisheries? *Marine Policy* 24: 461-469.
- Henderson MM, KR Criddle and 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 and 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 and 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 and 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 and 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 and 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 and AM Havenner. 1991. An encompassing approach to modeling fishery dynamics. *Natural Resource Modeling* 5: 55-90.
- Criddle KR and AM Havenner. 1990. Forecasts from a state space multivariate time series model. *American Journal of Agricultural Economics* 72: 793-798.
- Criddle KR and AM Havenner. 1989. Forecasting halibut biomass using system theoretic time series methods. *American Journal of Agricultural Economics* 71: 422-431.
- Havenner AM and KR Criddle. 1989. System theoretic time series: an application to inventories and prices of California range cattle. *Computers and Mathematics with Applications* 17: 1177-1188.
- Criddle KR and 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, BOOK CHAPTERS, AND REFEREED CONFERENCE PROCEEDINGS

- Committee on the Evaluation of the Sea Grant Program Review Process (JM Coleman, RJ Bailey, JB Rose, BJ Copeland, SE Cozzens, KR Criddle, E Geisler, MW Howell, RC Karney, GI Matsumoto, AR Solow, F Speiss). 2006. *Evaluation of the Sea Grant Program Review Process*. National Research Council, National Academy Press. Washington DC 195p.
- Criddle KR. 2005. *Intermediate Statistics and Applied Regression Analysis*. 2nd Edition. East-West Bridge Publishing, Providence, UT. 383p.
- Committee on the Introduction of Non-native Oysters in the Chesapeake Bay (J Anderson, D Hedgecock, M Berrigan, KR Criddle, W Dewey, S Ford, P Gouletquer, R Hildreth, M Paolisso, N Targett and R Whitlatch). 2004. *Non-native Oysters in the Chesapeake Bay*. National Research Council, National Academy Press. Washington DC 325p.
- 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 and EE Knudson (editors), *Sustainable Management of North American Fisheries*, American Fisheries Society. Bethesda, MD
- Criddle KR. 2004. *Intermediate Statistics and Applied Regression Analysis*. East-West Bridge Publishing, Providence, UT. 394p.
- 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.
- Criddle KR, M Herrmann and JA Greenberg, 2001. Territorial use rights: a rights based approach to spatial management. Pages 573-590 in M Dorn, S Hills, G Kruse and D Witherell (Editors). *Spatial Processes and the Management of Fish Populations*, Alaska Sea Grant, Fairbanks AK.
- Committee to Review Individual Fishing Quotas (JS Stevens, JH Annala, JH Cowan Jr., KR Criddle, WH Goodenough, SS Hanna, R Hannesson, BJ McCay, MK Orbach, G Palsson, A Rieser, DB Sampson, EC Schlager, RE Stroble and TH Tietenberg). 1999. *Sharing the Fish: Toward a National Policy on Individual Fishing Quotas*, National Research Council, National Academy Press. Washington DC. 422p.
- Criddle KR. 1993. Optimal control of dynamic multispecies fisheries. Pages 609-628 in G Kruse, DM Eggers, RJ Marasco, C Pautzke and TJ Quinn II (Editors). *Management Strategies for Exploited Fish Populations*, Alaska Sea Grant, Fairbanks, AK.
- Merritt MA and 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 and TJ Quinn II (Editors). *Management Strategies for Exploited Fish Populations*, Alaska Sea Grant, Fairbanks, AK.
- Criddle KR. 1989. *Modeling Dynamic Nonlinear Systems*. PhD Dissertation, University of California, Davis. 131p.

EDITED CONFERENCE PROCEEDINGS AND TECHNICAL MEMORANDA

Olson TK and 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 and KR Criddle. 2001. An economic discussion of the marine sport fisheries in Lower Cook Inlet. In A Shriver and R Johnson (Editors). *Proceedings of the International Institute for Fisheries Economics and Trade*, Oregon State University, Corvallis, OR.

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

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

Callaway D, KR Criddle and E Shea. 1998. Subsistence fisheries. Pages 95-104 in P Anderson and G Weller, editors, *Implications of Global Change in Alaska and the Bering Sea Region*. Center for Global Change and 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 and G Weller, editors, *Preparing for an Uncertain Future: Impacts of Short- and Long-Term Climate Change on Alaska*, Center for Global Change and 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 and 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

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. 11p.

Olson TK and 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.

Jensen LS, J Koebe and 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 and 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 and 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.

Hamel C, M Herrmann, ST Lee and 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 and 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 and 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 and 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 and 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 and 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 and S Macinko. 2000. A requiem for the IFQ in U.S. Fisheries. Economic Research Institute #ERI 00-23, 16p.

Criddle KR, M Herrmann and 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 and 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.

Criddle KR. 2000. Rethinking fisheries management in the Russian Far East. A report to Winrock International.

Herrmann M, ST Lee, C Hamel, KR Criddle, JA Greenberg, HT Geier and 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 and 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 and 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 and 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 and 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 and EM Feller. 1995. Bioeconomic consequences of climate change on the fishery for walleye pollock. Final Project Report to National Oceanic and Atmospheric Administration, Economics of Climate Change Program on award NA36GP0490. 86p.

Herrmann M, KR Criddle, JA Greenberg and 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 and 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 and KR Criddle. 1986. Statewide cattle and sheep inventories on California rangeland and irrigated pasture. California Department of Forestry, Forest and Rangeland Resource Assessment Program, Contract #8CA42134.

PUBLISHED ABSTRACTS AND REVIEWS

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

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

Criddle KR, and S Macinko. 2000. A requiem for the IFQ in US fisheries? *Journal of Agricultural and 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 and KR Criddle. 1992. Modeling intersectoral and interregional linkages in rural labor markets. *American Journal of Agricultural Economics* 74: 1301

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

MANUSCRIPTS IN REVIEW

Olson TK and KR Criddle. 2005. Industrial evolution in response to changes in the demand for traceability and assurance: a case study of Chilean salmon aquaculture. *Aquaculture Economics and Management*.

Banik N, B Biswas and KR Criddle. 2006. An optimum currency area in South Asia: is it plausible? *Journal of Economic Integration*.

SPONSORED RESEARCH

Allee, B and KR Criddle. Advancing an Alaskan Regional Marine Research Plan. National Sea Grant College Program, 2006-2011 (\$400K)

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

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

Weller G, ME Edwards, JS Sedinger and 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 and M Herrmann. A bioeconomic analysis of the Pacific Herring roe fishery. University of Alaska Natural Resources Fund, 1996-97 (\$12.0K)

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

Greenberg JA, M Herrmann, HT Geier, KR Criddle and W Natcher. Economic evaluation of super exclusive designation for the summer Norton Sound red king crab fishery. Alaska Department of Fish and 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 and 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 and CE Lewis. Commercial and subsistence salmon fisheries of the Yukon River. Alaska Sea Grant, 1994-95 (\$74.0K)

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

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

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

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

Criddle KR and 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

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. 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 and M Herrmann. 2005. A state space bioeconomic model of Pacific halibut. *American Fisheries Society*, Anchorage, AK.

Herrmann M and KR Criddle. 2005. Alaska halibut revenues, transferable quotas and halibut farming *American Fisheries Society*, Anchorage, AK.

Criddle KR and M Herrmann. 2005. A state space bioeconomic model of Pacific halibut. *Resource Modeling Association*, Arcata, CA.

Olson TK and 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 and 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 and 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 and 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 and C Hamel. 2001. Participation decisions, compensating variations, and the regional economic impact of sportfishing. *American Fisheries Society—Bonnerville 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 and S Macinko. 2000. A requiem for the IFQ in US Fisheries. *Western Agricultural Economics Association*, Vancouver, BC.

Criddle KR and S Macinko. 2000. Political economy and profit maximization in the Eastern Bering Sea fishery for walleye pollock. *International Institute for Fisheries Economics and Trade*, Corvallis, OR.

Hamel C, M Herrmann, ST Lee and KR Criddle. 2000. An economic discussion of the marine sport fisheries in Lower Cook Inlet. *International Institute for Fisheries Economics and Trade*, Corvallis, OR.

Hamel C, M Herrmann, ST Lee, KR Criddle and 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 and 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 and 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 and 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 and 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 and 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 and JA Greenberg. 1999. Territorial use rights: a rights based approach to spatial management. *Lowell Wakefield Symposium on Spatial Processes and Management of Fish Populations*, Anchorage, AK.
- Henderson (Jones) MM, ST Lee and 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 and 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 and Long-term Climate Change on Alaska*, Fairbanks, AK.
- Criddle KR, M Herrmann, JA Greenberg and 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 and 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. *International 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 and KR Criddle. 1992. Modeling intersectoral and interregional linkages in rural labor markets. *American Agricultural Economics Association*, Baltimore, MD.
- Merritt MA and KR Criddle. 1992. Multiple criterion decision theory for judging management strategies and resolving conflict: a case study of the Kenai River recreational fisheries. *International Symposium 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 and AM Havenner. 1989. Forecasts from a state space multivariate time-series model. *American Economic Association*, Atlanta, GA.

WORKSHOP/SEMINAR PRESENTATIONS

- Criddle, KR. 2005. Marine policy for the halibut. School of Fisheries and 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. Seafood certification. Second Far Eastern Fishing Forum, Vladivostok, Russia
- Criddle KR. 2005. Trends in seafood markets. Second Far Eastern Fishing Forum, Vladivostok, Russia
- 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. Introduction to 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 and 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 and 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 and 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 and Alaska Fisheries Center, National Marine Fisheries Service, Seattle WA.

SYMPOSIA/CONFERENCES/WORKSHOPS ATTENDED

16th Political Economy Forum, Emigrant, MT, October 2006.

Western Water W-1190 Conference, Las Cruces, NM, October 2005.

American Fisheries Society, Anchorage, AK, September 2005.

Second Fisheries Forum and Exhibition, 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.

Benav 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 and 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 and Management of Fish 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 and 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 and 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 and 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 and 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

Parkinson, S. 2006. A critical analysis of the Cooperatives Working Together program. Directed by EB Godfrey, R Ward, and 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, P Jakus and KR Criddle. MS—Applied Economics, Utah State University.

Banik N. 2005. Three essays on interrelated aspects of globalization. Directed by B Biswas, J Gilbert, P Jakus, D Luthy and KR Criddle. PhD—Economics, Utah State University.

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, D Bailey and R Ward. IMBA—Food and Agribusiness Management, Utah State University.

Finley S. 2003. Rural health care. Directed by C Fawson, KR Criddle and R Simmons. MS—Applied Economics, Utah State University.

Rirermsoonthorn K. 2002. Essays in Thailand's economic growth. Directed by C Fawson, B Biswas, KR Criddle, J Gilbert and 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, R Cutler and 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, JA Greenberg and 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, C Fawson, B Biswas, HH Fullerton, and KR Criddle. PhD—Economics, Utah State University.

Mortenson K. 2001. Plan C. Directed by KR Criddle, DM Aadland and AJ Caplan. MS—Applied 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, A Cutler and KR Criddle. MS—Applied Mathematics, Utah State University.

Thompson J. 2000. Plan C. Directed by C Fawson, TF Glover, LD Israelsen and 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, M Herrmann and 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, KR Criddle and 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, RM Fagen, TJ Quinn II and 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, M Herrmann and 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, KR Criddle and M Herrmann. MS—Resource Economics, University of Alaska Fairbanks.

Carr T. 1996. Environmental management of North Slope oil production. Directed by SC Gerlach, L Ellanna, J Gladden and 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, M Herrmann and KR Criddle. MS—Resource Economics, University of Alaska Fairbanks.

Wang L. 1996. Optimal allocation of groundfish in the fisheries off Alaska. Directed by KR Criddle, M Herrmann and D Bischak. 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, KR Criddle and JA Greenberg. 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, D Bernard, J Fox, J Gladden and 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 and CE Lewis, JA Greenberg and M Herrmann. MS—Resource Economics, University of Alaska Fairbanks.

Zhang Q. 1995. Canadian and Alaskan salmon fisheries. Directed by M Herrmann, KR Criddle and 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, KR Criddle and 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, KR Criddle and 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, KR Criddle and KK Keith. MS—Resource Economics, University of Alaska Fairbanks.

CLASSES TAUGHT*Utah State University*

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

ECON 227	Intermediate Statistics for Business and Economics (F1989, Sp1990x2, F1990, Sp1991x2, Su1991, F1991, F1992, Sp1993, F1993, Sp1994, F1994, Sp1995, F1995, Sp 1996, 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)
FISH 694	Bioeconomic Modeling and Fisheries Management (Sp 2007)
STAT 611	Time Series (F2006)

TECHNICAL ASSISTANCE PROJECTS AND EXPERT TESTIMONY

INTERNATIONAL TECHNICAL ASSISTANCE PROJECTS

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