

## **MARK HERRMANN**

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### **EDUCATION**

- Ph.D. Agricultural Economics, Washington State University, 1990. Dissertation: *An Economic Analysis of World Salmon Markets: Effects of Salmon Farming*. Major Advisor: Ron Mittelhammer.
- M.S. Agricultural Economics, University of California at Davis, 1985.
- B.S. Agricultural Economics, University of California at Davis, 1982.

### **RECENT EXPERIENCE**

- Dean, School of Management, University of Alaska Fairbanks, March 2008 to Present
- Interim Director, UAF Northern Leadership Center, July 2009 to June 2010.
- Interim Dean, School of Management, University of Alaska Fairbanks, July 2007 to March 2008.
- Associate Dean, School of Management, University of Alaska Fairbanks, July 2006 to June 2007.
- Professor, Economics Department, University of Alaska Fairbanks, July 1998 to June 2006.
- Associate Professor, Economics Department, University of Alaska Fairbanks, July 1994 to June 1998.
- Assistant Professor, Economics Department, University of Alaska Fairbanks, Jan. 1991 to June 1994.
- Scientific and Statistical Committee member, North Pacific Fisheries Management Council, 2001 to 2006.
- Visiting Professor, Department of Resource and Agricultural Economics, Oregon State University, September 1999 to July 2000.
- Crab Fishery Management Plan Team member, July 1998 to August 1999.
- Crew Member, Vessel-Amadeus, Prince William Sound salmon gillnetter, summer 1994 and 1995.

## **CONSULTING (MLH ECONOMICS CONSULTANT)**

Law firms of Susman & Godfrey and Furth, Fahrner & Mason. October 1997 to July 2003. Expert witness. Economic analysis in the case of Louie Alakayak vs. All Alaskan Seafoods, Inc, et al. This case involves alleged price fixing of sockeye salmon in Bristol Bay.

Norwegian School of Economics and Business, November 1993. Estimated damages to the Norwegian farmed salmon industry from U.S.-imposed tariffs.

R.J. Solie and Associates, September 1990 to October 1993. Estimated damages to Alaskan commercial salmon fishers from the Exxon-Valdez oil spill in Prince William Sound. Analyzed changes in salmon permit values.

Law Firm of Mudge, Rose, Guthrie, Alexander, and Ferdon, July-August 1990. Performed research on various topics dealing with a lawsuit by the Coalition of Fair Atlantic Salmon Trade against the Norwegian government for allegedly subsidizing and selling its salmon at a price below fair value.

## **RESEARCH GRANTS RECEIVED**

Alaska Sea Grant. "Alaska Salmon Prices: How Low Can They Go." \$185,472 (with Keith Criddle). February 2006.

Alaska Department of Fish and Game. "Modeling price formation for Alaska crab: Focus on crab rationalization." \$46,709 (with Joshua Greenberg). June 2004.

North Pacific Research Board. "An International Supply and Demand Econometric Model for King and Snow Crab". \$80,000 (with Joshua Greenberg). May 2004.

Alaska Sea Grant. "An Economic Analysis of Producing and Exporting Alaska Salmon Protein Powder to China". \$20,984 (with Pei Xu). February 2003.

Alaska Sea Grant. "An Economic Analysis of Pacific Halibut Commercial Fishery." \$78,159 (with Keith Criddle). February 2002.

The Cooperative Institute for Arctic Research, National Marine Fisheries Service. "Regional Economic Impact of the Steller Sea Lion RPAs on Kodiak, Alaska." \$70,000 (with Joshua Greenberg, Charles Hamel, Hans Geier, Keith Criddle), August 2001. (Note: the scope of this project was changed to Bering Sea snow crab on agreement with CIFAR and NMFS).

Alaska Department of Fish and Game. "Regional Economic Assessment of the Alaska Snow Crab Industry." \$217,809 (with Joshua Greenberg, Charles Hamel, and Hans Geier), June 2001.

United States Department of Agriculture/Risk Management Agency. "Wild Salmon Risk Management in Bristol Bay Alaska." \$98,712 (with Carol Lewis, Hans Geier, and Joshua Greenberg), October 2000.

Alaska Department of Fish and Game. "A Regional Impact Study of the Alaska Snow Crab Industry: A Feasibility Analysis." \$16,558 (with Joshua Greenberg), July 2000.

- Alaska Department of Fish and Game. "TURFs: A Rights-Based Approach to Spatial Management for the Alaska Golden King Crab Fishery." \$15,900 (with Joshua Greenberg), July 1999.
- Mineral Management Service/Coastal Marine Institute. "Regional Economic Impact Analysis of Subsistence Bowhead Whaling: Accounting for Non-Market Activities in Barrow, Nuiqsut, and Kaktovik Alaska." \$295,593 (with Hans Geier, Kelly Giraud, Joshua Greenberg, John Kelley, and Carol Lewis), September 1999. (This grant was terminated after phase 1 (\$59,688 spent) failed to produce the support of the Alaska Eskimo Whaling Commission).
- Alaska Sea Grant. "Survey of German Angling Visitors to Alaska." \$4,675 (with Laura Milner and Kelly Giraud), March 1999.
- Alaska Department of Fish and Game. "An Economic Examination of an Individual Transferable Pot Quota Program for the Adak Brown King, Bristol Bay Red King, and Bering Sea Snow Crab Fishery." \$15,899 (with Joshua Greenberg), July 1998.
- Mineral Management Service/Coastal Marine Institute. "An Economic Assessment of the Marine Sport Fisheries in Lower Cook Inlet." \$129,794 (with Keith Criddle, Hans Geier, Joshua Greenberg, Todd Lee, and Carol Lewis), July 1997.
- Alaska Department of Fish and Game. "Potential Economic Implications of More Restrictive Pot Limits in the Bristol Bay Red King Crab Fishery." \$15,000 (with Joshua Greenberg), July 1997.
- Alaska Sea Grant. "The Kenai Peninsula Pacific Halibut Sport Fishery." \$79,971 (with Keith Criddle, Joshua Greenberg, and Todd Lee), November 1996.
- Alaska Department of Fish and Game. "Economic Evaluation of Increased Pot Limits in the Bristol Bay Red King Crab Fishery." \$15,000 (with Joshua Greenberg), July 1996.
- University of Alaska Fairbanks Natural Resources Fund. "A Bioeconomic Analysis of the Pacific Herring Roe Fishery." \$12,000 (with Keith Criddle and Anthony Mieloch), March 1996.
- Alaska Department of Fish and Game. "Consideration of Pot Limits Imposed in the ADAK Brown King Crab Fishery" \$21,958 (with Joshua Greenberg and Keith Criddle), August 1995.
- University of Alaska Fairbanks Natural Resources Fund. "An Economic Analysis of the Alaska Sockeye Fishery: Emphasis on Regional Competition for the Japanese Market." \$18,977, February 1995.
- Alaska Department of Fish and Game. "Economic Evaluation of Super Exclusive Designation for the Summer Norton Sound Red King Crab Fishery." \$12,000 (with Joshua Greenberg, Keith Criddle, and Hans Geier), October 1994.
- Alaska Sea Grant. "Commercial and Subsistence Salmon Fisheries of the Yukon River." \$74,024 (with Keith Criddle, Joshua Greenberg, Carol Lewis, and Andrei Streletski), January 1994.

Alaska Department of Fish and Game, Commercial Fisheries Division. "Considerations in Applying Individual Fishing Quotas to Alaska's Bering Sea Aleutian Island Crab Fisheries." \$35,650 (with Joshua Greenberg and Keith Criddle), June 1993.

National Oceanic and Atmospheric Administration, Office of Global Programs. "Potential Bio-Economic Impacts of Climate Change on the Fisheries for Pacific Whiting and Walleye Pollock." \$54,985 (with Keith Criddle, Joshua Greenberg, and Terry Quinn II), February 1993.

National Marine Fisheries Service, Saltonstall-Kennedy Award. "Economic Impacts of Alternative Vessel Moratorium and Gear Restriction Management Policies in Alaska King and Tanner Crab Fisheries." \$58,428 (with Joshua Greenberg), February 1993.

Alaska Department of Fish and Game, Commercial Fisheries Division. "An Econometric Model of the International Market for Alaska Snow Crab." \$25,000 (with Joshua Greenberg), July 1992.

Alaska Department of Fish and Game, Commercial Fisheries Division. "An Economic Analysis of the Alaska C. Opilio Industry." \$25,000 (with Joshua Greenberg), February 1992.

Alaska Sea Grant. "An Economic Analysis of World Markets for Wild and Farmed Salmon." \$77,756 (with Joshua Greenberg), January 1992.

Alaska Legislative Branch. "Statewide Salmon Enhancement Program Analysis." \$48,000 (with John Boyce, Joshua Greenberg, and Diane Bischak), December 1991.

Alaska Department of Fish and Game, Commercial Fisheries Division. "Economic Impacts of Alternative Pot Limits in the Bering Sea and Aleutian Islands King and Tanner Crab Fisheries." \$24,000 (with Joshua Greenberg), July 1991.

University of Alaska Summer Research Faculty Grant. "Economic Impacts of an Alternative Management Policy in the Bering Sea and Aleutian Islands King and Tanner Crab Fisheries." \$5,000, May 1991.

University of Alaska Faculty Small Grants Program Award. "An Economic Evaluation of the Potential Profitability of Salmon Farming in Alaska." \$5,000, April 1991.

National Marine Fisheries Service, Saltonstall-Kennedy Award. "An Economic Analysis of the Pacific Salmon Industry: Effects of Salmon Farming." \$102,000 (with Ron Mittelhammer and Biing-Hwan Lin), February 1988.

Canadian Studies Faculty Research Grant Program. "An Economic Analysis of the World Demand for Atlantic Salmon with an Emphasis on North America." \$5,000 (with Biing-Hwan Lin), September 1987.

## REFEREED JOURNAL ARTICLES

- Williams, Abby, Mark Herrmann and Keith R. Criddle. "The Effects of Chilean Coho Salmon and Rainbow Trout Aquaculture on Markets for Alaskan Sockeye Salmon." *North American Journal of Fisheries Management*. 29, 2009:1777-1796.
- Criddle, Keith and Mark Herrmann. "A State Space Bioeconomic Model of Pacific Halibut." *Natural Resource Modeling*. Vol. 21, No. 1, Spring 2008: 117-147.
- Herrmann, Mark and Joshua Greenberg. "The Demand and Allocation of Alaska and Canada Snow Crab." *Canadian Journal of Agricultural Economics*. Vol. 55, No. 1, March, 2007: 27-48.
- Herrmann, Mark and Keith Criddle. "An Econometric Market Model for the Pacific Halibut Fishery." *Marine Resources Economics*. Vol. 21, No. 2, 2006: 129-158.
- Mark Herrmann, Pei Xu, Lily C. Dong, Quentin S. Fong and Charles Crapo. "Rating Alaska Salmon Protein Concentrate in China." *Journal of Food Products Marketing*. Vol. 12(1), 2005: 57-85.
- Greenberg, Joshua, Mark Herrmann, Mark, Hans Geier and Charles Hamel. "The Application of Farm Programs to Commercial Fisheries: the Case of Crop Insurance for the Bristol Bay Commercial Salmon Fisheries." *Agribusiness: An International Journal*, Vol. 22, no. 2, Fall 2004: 175-194.
- Herrmann, Mark, Joshua Greenberg, Charles Hamel, and Hans Geier. "Extending the Federal Crop Insurance Program to Commercial Fisheries: The Case of Bristol Bay, Alaska Salmon." *North American Journal of Fisheries Management*, Vol. 234 no. 2, May 2004: 352-366.
- Criddle, Keith, Mark Herrmann, Todd S. Lee, and Charles Hamel. "Participation Decision, Angler Welfare, and the Regional Economic Impact of Sportfishing." Submitted to *Marine Resource Economics*, Vol. 18, pp. 291-312, 2003.
- Milner, Laura, Mark Herrmann, Kelly Giraud, Michelle Skogen Baker, and Rod Hiser. "International Sport Fishing: The Case of the German Angler in Alaska." *Tourism Analysis*, Vol. 8 pp. 89-94, 2003.
- Herrmann, Mark, Laura Milner, Kelly Giraud, Michelle Skogen Baker, and Rod Hiser. "German Participation in Alaska Sport Fisheries." *Alaska Fisheries Research Bulletin*. Vol. 9 No.1, Summer 2002: 27-43.
- Hamel, Charles, Mark Herrmann, Todd S. Lee, Keith R. Criddle, and Hans Geier. "Linking Sportfishing Trip Attributes, Participation Decisions, and Regional Economic Impacts in Lower and Central Cook Inlet, Alaska. *The Annals of Regional Science*, Spring 2002. 36:247-264.
- Giraud, Kelly and Mark Herrmann. "The Allocation of Renewable Resources Under Different Property Rights and Regulation Schemes." *Journal of Economic Education*. Vol. 33, No. 3, Summer 2002: 236-253.

- Giraud, Kelly and Mark Herrmann. "An Investigation into Travel Cost Metric." *The Northwest Journal of Business and Economics*, 2001 edition, pp. 81-91.
- Herrmann, Mark, Todd S. Lee, Keith R. Criddle and Charles Hamel. "Results of a survey of Participants in the Lower and Central Cook Inlet Halibut and Salmon Sport Fishery." *Alaska Fisheries Research Bulletin*. Vol. 8, No. 2, Fall 2001, 107-117.
- Herrmann, Mark. "The Individual Vessel Quota Price Induced Effects for Canadian Pacific Halibut: Before and After Alaska IFQs." *Canadian Journal of Agricultural Economics*, Vol. 48, No. 2, July 2000: 195-210.
- Greenberg, Joshua, Mark Herrmann, and Bill Natcher. "Impact Analysis of Changes in the Norton Sound Red King Crab Fishery." *Arctic: Journal of the Arctic Institute of North America*. March 1999, Vol. 52 (1): 33-39.
- Herrmann, Mark, Joshua A. Greenberg, and Keith R. Criddle. "An Economic Analysis of Pot Limits for the Adak Brown King Crab Fishery: A Distinction Between Open Access and Common Property." *Alaska Fishery Research Bulletin*, Vol. 5, No. 1, Summer 1998: 25-38.
- Criddle, Keith, Mark Herrmann, Joshua A. Greenberg, and Erika M. Feller. "Climate Fluctuations and Revenue Maximization in the Eastern Bering Sea Fishery for Walleye Pollock." *North American Journal of Fisheries Management*. February 1998, pp. 1-10.
- Herrmann, Mark and Kristen Keith. "An Economic Discussion of Competitive Dog Mushing." *Business Quest*. May 1997, pp. 1-12.
- Herrmann, Mark, Keith R. Criddle, Joshua A. Greenberg, and Erika M. Feller. "Estimated Economic Impacts of Potential Policy Changes Affecting the Total Allowable Catch for Alaska Pollock." *North American Journal of Fisheries Management*. 1996: 770-782.
- Herrmann, Mark. "Estimating the Induced Price Increase for Canadian Pacific Halibut with the Introduction of the Individual Vessel Quota Program." *Canadian Journal of Agricultural Economics*. 44 (1996) pp. 151-164.
- Greenberg, Joshua A., Mark Herrmann, and John McCracken. "An International Supply and Demand Model for Alaska Snow Crab." *Marine Resource Economics*. 1995, 10(3), pp. 231-246.
- Herrmann, Mark. "The Alaska Salmon Fishery: An Industry in Economic Turmoil." *Journal of Aquatic Food Product Technology*. 1994, 3(3), pp. 5-22.
- Herrmann, Mark and Joshua A. Greenberg. "A Revenue Analysis of the Alaska Pink Salmon Fishery." *North American Journal of Fisheries Management*. August 1994, 14(3), pp. 537-549.
- Greenberg, Joshua A. and Mark Herrmann. "Allocative Consequences of Pot Limits in the Bristol Bay Red King Crab Fishery: An Economic Analysis." *North American Journal of Fisheries Management*. May 1994, 14(2) pp. 307-317.

- Greenberg, Joshua A., Mark Herrmann, Terry Johnson, and Andrei Streletsky. "The Russian Salmon Industry: Alaska's Next Big Threat." *Agribusiness: An International Journal*. May/June 1994, 10(3), pp. 241-258.
- Matulich, Scott, Joshua Greenberg, Ron Mittelhammer and Mark Herrmann. "New Directions for the Alaska King Crab Industry." *Agribusiness: An International Journal*. March/April 1994, 10(2), pp. 167-178.
- Boyce, John, Mark Herrmann, Diane Bischak, and Joshua Greenberg. "The Alaska Salmon Enhancement Program: A Cost/Benefit Analysis." *Marine Resource Economics*. Winter 1993, 8(4), pp. 293-312.
- Herrmann, Mark. "Using an International Econometric Model to Forecast Alaska Salmon Revenues." *Marine Resource Economics*, Fall 1993, 8(3), pp. 249-271.
- Herrmann, Mark, Ron C. Mittelhammer, and Biing-Hwan Lin. "Import Demands for Norwegian Farmed Atlantic Salmon and Wild Pacific Salmon in North America, Japan, and the EEC." *Canadian Journal of Agricultural Economics*, March 1993, 41(1), pp. 111-124.
- Herrmann, Mark, Ron C. Mittelhammer, and Biing-Hwan Lin. "Applying Almon-Type Polynomials in Modelling Seasonality of the Japanese Demand for Salmon." *Marine Resource Economics*, Spring 1992, 7(1), pp. 3-14.
- Herrmann, Mark, Biing-Hwan Lin, and Ron C. Mittelhammer. "Effects of Countervailing Duty on Norwegian Farmed Salmon." *Agribusiness: An International Journal*, July/August 1991, 7(4), pp. 339-355.
- Lin, Biing-Hwan, Mark Herrmann, Tsae-Yun Lin, and Ron C. Mittelhammer. "Forecasting the Price of Farmed Atlantic Salmon: An Integrated Econometric and Time Series Approach." *Agribusiness: An International Journal*, 1989, 5(5), pp. 477-488.
- Lin, Biing-Hwan, Mark Herrmann, and Ron C. Mittelhammer. "An Economic Analysis of the Pacific Salmon Industry: Effects of Salmon Farming," research note. *Northwest Environmental Journal*, Spring/Summer 1989, 5(1), pp. 160-161.
- Herrmann, Mark and Biing-Hwan Lin. "The Demand and Supply of Norwegian Atlantic Salmon in the United States and the European Community." *Canadian Journal of Agricultural Economics*, November 1988, 36(3), pp. 459-472.

#### **REFEREED BOOK CHAPTERS**

- Criddle, Keith, Mark Herrmann, and Joshua Greenberg. "Territorial Use Rights: A Rights-Based Approach to Spatial Management." *Spatial Processes and Fisheries Management*. G.H. Kruse, N. Bez, A. Booth, M.W. Dorn, S. Hills, R.N. Lipcius, D. Pelletier, C. Roy, S.J. Smith, and D. Witherell eds. AK-SG-01-02, 2001.
- Natcher, Bill, Joshua Greenberg, and Mark Herrmann. "Economic Evaluation of Superexclusive Designation for the Summer Norton Sound Red King Crab Fishery." *High Latitude Crabs: Biology, Management, and Economics*. University Alaska Sea Grant eds. AK-SG 96-02 1996, pp. 153-165.

Greenberg, Joshua A., and Mark Herrmann. "Economic Impacts of Pot Limits in the Bering Sea King Crab Fisheries." *Management Strategies for Exploited Fish Populations*. G. Kruse, D.M. Eggers, R.J. Marasco, C. Pautzke, and T.J. Quinn II eds. AK-SG 93-02, 1994, pp. 705-722.

Herrmann, Mark, Ron C. Mittelhammer, and Biing-Hwan Lin. "An International Econometric Model for Wild and Pen-Reared Salmon." *Aquaculture: Models and Economics*, Ed. Upton Hatch and Henry Kinnucin, Westview Press, 1993, pp. 187-216.

#### **OTHER REFEREED ARTICLES**

Herrmann, Mark, Biing-Hwan Lin, Ron C. Mittelhammer, and Joe Terry. *World Salmon Trade: Export/Import Statistics*. U.S. Department of Commerce, NOAA, Technical Memorandum NMFS F/NWC-181, April 1990.

#### **COMMERCIAL SOFTWARE**

Hamel, Charles, Mark Herrmann, Todd S. Lee, and Keith R. Criddle. "\$FISH: An Economic Assessment of Lower Cook Inlet Sort Fisheries: Developed for the Mineral Management Service, Coastal Marine Institute. February 2001.

#### **COMMERCIAL VIDEOS**

Herrmann, Mark. "Subsistence Whaling Session: IIFET 2000." Upstream Productions, Seattle, Washington, August, 2000, 2 hrs. 14 min.

#### **PROFESSIONAL PAPERS AND/OR PRESENTATIONS**

Herrmann, Mark. "Synthetic Modeling of Pacific Halibut." Presented to Biology 676 Modeling of High Latitude Global Change, University of Alaska Fairbanks, Dec 7, 2010.

Herrmann, Mark. "The Role of SOM in Economic Development for Interior Alaska." Presented to Fairbanks Regional Economic Partnership, Fairbanks, Alaska, June 22, 2009.

Criddle, Keith R. and Mark Herrmann. "A State Space Bioeconomic Model of Pacific Halibut," Presented at the fourth forum of the North American Association of Fisheries Economists (NAAFE), Merida, Mexico, March 27-30, 2007.

Holzinger, Abby, Mark Herrmann and Keith R. Criddle. "A Statistical Analysis of the Effects of Chilean Farmed Coho Salmon and Sea-Run Rainbow Trout on High-Valued Alaskan Salmon," Presented at the fourth forum of the North American Association of Fisheries Economists (NAAFE), Merida, Mexico, March 27-30, 2007.

Greenberg, Joshua and Mark Herrmann. "Alaska King and Snow Crab Markets: Effects of Foreign Competition." Presented to Alaska Crab Industry Forum, Seattle, Washington, October 16, 2006.

- Greenberg, Joshua and Mark Herrmann. "Alaska Crab Markets: An Integrated Perspective." Presented to the North Pacific Council Crab Plan Team, Anchorage Alaska Sept 27-30, 2006.
- Greenberg, Joshua and Mark Herrmann. "Alaska Snow Crab Prices and Revenues." Presented at the Western Agricultural Economics Association Meetings, Anchorage, Alaska, June 28-30, 2006.
- Greenberg, Joshua and Mark Herrmann. "Factors Affecting Alaska Crab Prices." Presented before the Crab Plan Team, North Pacific Fishery Management Council, Seattle, Washington, Sept 7-9, 2005: pp. 14.
- Criddle, Keith and Mark Herrmann. "A State Space Bioeconomic Model of Pacific Halibut." Invited Paper. 135<sup>th</sup> Meeting of the American Fisheries Society, Anchorage, Alaska Sept 12-15, 2005.
- Herrmann, Mark and Keith Criddle. "Alaska Halibut Revenues, Transferable Quotas and Halibut Farming." Invited Paper. 135<sup>th</sup> Meeting of the American Fisheries Society, Anchorage, Alaska Sept 12-15, 2005.
- Criddle, Keith and Mark Herrmann. "A State Space Bioeconomic Model of Pacific Halibut." 2005 World Conference on Natural Resource Modeling, Arcata, California, June 14-17, 2005.
- Pei, Xu, Mark Herrmann, Lily Dong, Quentin S. Fong and Charles Crapo. "Exporting Salmon Powder to China: We have a Dream." Presented at the Pan-Pacific Conference in Anchorage Alaska, May 26-28, 2004.
- Herrmann, Mark. "The Alaska Salmon Industry in Turmoil: A Brief History of How We Got Here" Presented before the Legislative Salmon Task Force: Marketing Subcommittee, Juneau, Alaska September 5, 2002.
- Herrmann, Mark. "Economics and Sustainability: An Introduction." Remarks prepared for the Regional Resilience and Adaptation: An Interdisciplinary Graduate Education and Training Program, Fairbanks, Alaska, September 2, 2002.
- Hamel, Chuck, Joshua Greenberg, Mark Herrmann, and Hans Geier. "Risk Management in the Bristol Bay Salmon Fishery." Presented before the eleventh meeting of the International Institute of Fisheries Economics and Trade, Wellington, New Zealand, August 19-22, 2002.
- Greenberg, Joshua, Mark Herrmann, Hans Geier, and Charles Hamel. "Risk Management (Crop Insurance) for the Bristol Bay Commercial Salmon Fishery: Naknek Informational Transfer." Naknek, Alaska, June 16, 2001.
- Greenberg, Joshua, Mark Herrmann, Hans Geier, and Charles Hamel. "Risk Management (Crop Insurance) for the Bristol Bay Commercial Salmon Fishery: Dillingham Informational Transfer." Dillingham, Alaska, June 15, 2001.
- Greenberg, Joshua, Mark Herrmann, Hans Geier, and Charles Hamel. "Risk Management (Crop Insurance) for the Bristol Bay Commercial Salmon Fishery: Anchorage Informational Transfer." Anchorage, Alaska, May 16, 2001.

- Greenberg, Joshua, Mark Herrmann, Hans Geier, and Charles Hamel. "Wild Salmon Risk Management in Bristol Bay Alaska: An Initial Examination." Presented at the First Meeting of the North American Association of Fisheries Economists, New Orleans, Louisiana, April 1-4, 2001.
- Criddle, Keith, Mark Herrmann, and Charles Hamel. "Evaluating the Economic Consequences of Proposed Management Actions in the Alaska Charter Halibut Fishery." Presented at the First Meeting of the North American Association of Fisheries Economists, New Orleans, Louisiana, April 1-4, 2001.
- Herrmann, Mark, Keith R. Criddle, S. Todd Lee, and Charles Hamel. "Participation Decisions, Compensating Variations, and the Regional Economic Impact of Sportfishing." American Fisheries Society-Bonneville Chapter, St. George, Utah, February 22, 2001.
- Herrmann, Mark, S. Todd Lee, Keith R. Criddle, and Charles Hamel. "Results of a Survey of Participants in the Lower and Central Cook Inlet Halibut and Salmon Sport Fishery." Presentation at the 2000 Alaska Chapter American Fisheries Society meeting, Fairbanks, Alaska, November 13-16 2000.
- Lee, Todd S., Mark Herrmann, Keith R. Criddle, and Charles Hamel. "Modeling the Economic Effect of Fishery Attributes on Participation Rates: The Kenai Peninsula Marine Sport Fishery." Presentation at the 2000 Alaska Chapter American Fisheries Society meeting, Fairbanks, Alaska, November 13-16 2000.
- Hamel, Chuck Mark Herrmann, S. Todd Lee, Keith R. Criddle, and Hans Geier. "Linking Sportfishing Trip Attributes, Participation Decisions, and Regional Economic Impacts in Lower and Central Cook Inlet, Alaska." Presentation at the 2000 Alaska Chapter American Fisheries Society Meeting, Fairbanks, Alaska, November 13-16 2000.
- Herrmann, Mark, Keith R. Criddle, S. Todd Lee, and Charles Hamel. "An Economic Evaluation of the Demand for Marine Sport Fisheries in the Lower Cook Inlet." Presentation at the 2000 Alaska Chapter American Fisheries Society Meeting, Fairbanks, Alaska, Nov. 13-16 2000.
- Hamel, Charles, Mark Herrmann, Todd S. Lee, and Keith R. Criddle. "An Economic Discussion of the Marine Sport Fisheries in Lower Cook Inlet." Presented before the tenth meeting of the International Institute of Fisheries Economics and Trade, Corvallis, Oregon, July 10-24, 2000.
- Lee, Todd S., Mark Herrmann, Chuck Hamel, and Keith R. Criddle. "The Effect of Fishery Participation Rates: The Kenai Peninsula Marine Sport Fishery." Western Agricultural Economics meeting, Vancouver, British Columbia, Canada, July 2000.
- Giraud, Kelly and Mark Herrmann. "An Investigation into Travel Cost Measurement." Presented at the WCC 133 meetings in Hawaii, February 26 – March 1, 2000.
- Lee, Todd S., Mark Herrmann, Chuck Hamel, and Keith R. Criddle. "Using State Preference Data to Forecast Changes in Participation Rates." NMFS Economics and Social Science Workshop, La Jolla, California, February. 22-24, 2000.

- Herrmann, Mark. "An Economic Assessment of the Sport Fisheries for Halibut and Chinook and Coho Salmon in Lower Cook Inlet. Report to the Mineral Management Service TSC Meeting, Fairbanks, Alaska, February 2000.
- Herrmann, Mark. *Environmental Assessment/Regulatory Impact Review/Initial Regulatory Flexibility Analysis for a Regulatory Amendment to Implementation Under Guideline Harvest Level and/or Moratorium for Halibut in Areas 2C and 3A*. Testimony to the Scientific and Statistical Committee, North Pacific Fisheries Management Council, Anchorage, Alaska, December 7, 1999.
- Criddle, Keith, Mark Herrmann, and Joshua Greenberg. "Territorial Use Rights: A Rights Based Approach to Spatial Management." Presented at the Lowell Wakefield International Fisheries Symposium, Anchorage, Alaska, October 29, 1999.
- Herrmann, Mark. "An Economic Assessment of the Marine Sport Fisheries in Lower Cook Inlet." Report to the Mineral Management Service TSC Meeting – Fairbanks, Alaska, February 23, 1999.
- Herrmann, Mark. "Top 10 Pitfalls of Doing Fishery Research: Some Personal Observations from Alaska." Delivered at the WCC 109 Seafood Marketing Coordinating Committee Meeting, Seattle, Washington, February 8-9, 1999.
- Herrmann, Mark and Charles Hamel. "An Economic Assessment of the Marine Sport Fisheries in Lower Cook Inlet." Report to the Mineral Management Service Information Transfer Meeting, Alaska OCE Region, Anchorage, Alaska, January 19-21, 1999.
- Herrmann, Mark. "Comments on Proposed Buyback of Licenses for the Crab Fisheries of BSAI by the C.R.A.B. Group." Minutes of the BSAI Crab Plan Team, North Pacific Fisheries Management Council, August 20, 1998.
- Greenberg, Joshua A. and Mark Herrmann. "Potential Economic Implications of More Restrictive Pot Limits in the Bristol Bay Red King Crab Fishery." Report to the Board of Fish and final testimony before the Alaska Board of Fisheries, Anchorage, Alaska August 26, 1997.
- Herrmann, Mark, Joshua A. Greenberg, and Keith Criddle. "Proposed Pot Limits for the Adak Brown King Crab Fishery." Testimony Before the Alaska Board of Fisheries, Anchorage, Alaska, March 9, 1997.
- Herrmann, Mark. "Estimated Revenue Increases In Canadian Landed Pacific Halibut Due to the IVQ Program." Presented at American Fisheries Society Alaska Chapter Annual Meeting, Fairbanks, Alaska, November 18-21, 1996.
- Natcher, Bill, Joshua Greenberg, and Mark Herrmann. "Economic Evaluation of Superexclusive Designation for the Summer Norton Sound Red King Crab Fishery." Presented at the Lowell Wakefield International Fisheries Symposium, Anchorage, Alaska, October 11-13, 1995.
- Criddle, Keith R., Mark Herrmann, Joshua A. Greenberg, and Erika Feller. "Estimated Economic Impacts of Potential Policy Changes Affecting the Total Allowable Catch for Alaska Pollock." Presented at the fourteenth Pacific Coast Resource Modeling Conference, Juneau, Alaska, June 13-15, 1995.

- Herrmann, Mark. "Global Factors Affecting U.S. Salmon Prices: A Look Forward." Keynote speech at the Annual Alaska Cold Storage Employers Group Meetings, Maui, Hawaii, February 23-27, 1994.
- Herrmann, Mark. "The Growing Need for Economic Analysis in Fisheries Management." Invited paper presented to the American Fisheries Society Alaska Chapter, Fairbanks, Alaska, November 16-18, 1993.
- McCracken, Jon, Joshua A. Greenberg, and Mark Herrmann. "An Econometric Model of the International Market for Alaska Snow Crab." Invited paper presented at the 123rd annual meeting of the American Fisheries Society, Portland, Oregon, August 29 - September 2, 1993.
- Herrmann, Mark. "Using an International Econometric Model to Forecast Alaska Salmon Revenues." Invited paper presented at the International Conference on Fisheries Economics, Solstrand, Norway, May 26-28, 1993.
- Boyce, John, Mark Herrmann, Diane Bischak, and Joshua Greenberg. "The Alaska Salmon Enhancement Program: A Cost/Benefit Analysis." Invited paper presented at the International Conference on Fisheries Economics, Solstrand, Norway, May 26-28, 1993.
- Herrmann, Mark. "A Cost Benefit Analysis of the Alaska Salmon Program." Invited presentation at the Innovations in Fisheries Management Meeting, Norwegian School of Economics and Business, Bergen, Norway, May 24-25, 1993.
- Geier, Hans T., Joshua Greenberg, and Mark Herrmann. "Commercial and Subsistence Fisheries in Alaska: Regional Conflict within a Multiple Use Resource." Presented at the 32nd annual meeting of the Western Regional Science Foundation, Maui, Hawaii, February 20-26, 1993.
- Herrmann, Mark. "The Future of the Alaska Salmon Enhancement Programs: An Economic Analysis." Invited presentation before the Alaska student chapter of the American Fisheries Society, Fairbanks, Alaska, February 17, 1993.
- Herrmann, Mark. "Should the State of Alaska Continue to Fund the Salmon Enhancement Program at Its Current Level? Some Comments." Invited presentation before the U.S. Department of Fish and Wildlife at the Luncheon Lecture Series, Fairbanks, Alaska, December 3, 1992.
- Greenberg Joshua A. and Mark Herrmann. "Economic Impacts of Pot Limits in the Bering Sea King Crab Fisheries." Presented at the Lowell Wakefield International Fisheries Symposium, Anchorage, Alaska, October 21-25, 1992.
- Herrmann, Mark and Joshua Greenberg. "Why 1991 Alaska Salmon Prices Crashed." Presented at the Sixth Conference of the International Institute of Fisheries Economics and Trade, Paris, France, July 5-9, 1992.
- Greenberg, Joshua A., Scott Matulich, and Mark Herrmann. "The Alaska King Crab Industry—An Industry in Transition." Presented at the Sixth Conference of the International Institute of Fisheries Economics and Trade, Paris, France, July 5-9, 1992.

- Geier, Hans T., Joshua Greenberg, and Mark Herrmann. "Subsistence Fisheries in Alaska: Conflicts Within a Multiple Use Resource." Presented at the Sixth Conference of the International Institute of Fisheries Economics and Trade, Paris, France, July 5-9, 1992.
- Joshua A. Greenberg, Mark Herrmann, and Paul Hooker. "Economic Impacts of Alternative Pot Limits for King and Opilio Crab Fishermen." Testimony before the Board of Fisheries, Anchorage, Alaska, March 3, 1992.
- Joshua A. Greenberg, Mark Herrmann, and Paul Hooker. "Economic Impacts of Alternative Pot Limits for Crab Fishermen. Invited presentation before the Kodiak Shellfish Advisory Committee, Kodiak, Alaska, February 27, 1992.
- Joshua A. Greenberg, Mark Herrmann, and Paul Hooker. "Economic Impacts of Alternative Pot Limits in the Bering Sea and Aleutian Islands King and Tanner Crab Fisheries." Invited presentation at the Alaska Department of Fish and Game Luncheon Seminar Series, Juneau, Alaska, February 21, 1992.
- Herrmann, Mark. "Alaska Sea Grant Involvement in Fisheries Economics: Current Issues and Concerns." Invited testimony at the Pacific Fisheries Legislation Task Force, Kenai, Alaska, September 19-20, 1991.
- Herrmann, Mark. "The Salmon Price Drop of the 90s: Consumer Gain, Alaskan Pain." Invited presentation at the Southwest Alaska Municipal Conference, Kodiak, Alaska, September 5-8, 1991.
- Herrmann, Mark, and Ron C. Mittelhammer. "An International Econometric Model for Wild and Farmed Salmon." Invited paper presented at the 22nd annual meeting of the World Aquaculture Society, San Juan, Puerto Rico, June 16-21, 1991.
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Lin, Biing-Hwan, and Mark Herrmann. *An Econometric Analysis of Atlantic Salmon Markets in the United States and France*. Alaska Sea Grant 88-5, Fairbanks, Alaska, 1988.

## UNIVERSITY TEACHING EXPERIENCE

### *University of Alaska Fairbanks*

#### *Undergraduate*

ECON 100 - Political Economy  
ECON 100H - Political Economy, Honors Course  
ECON 200H - Principles of Economics, Honors Section  
ECON 200 - Principles of Economics  
ECON 202 – Principles of Economics II. Macroeconomics (Distanced).  
ECON 226 - Introduction to Statistics for Economics and Business  
ECON 321- Intermediate Microeconomics  
ECON 324 - Intermediate Macroeconomics  
ECON 335 - Resource Economics  
ECON 434 - Environmental Economics  
ECON 436 - International Economics  
ENGL 290 – Summer Reading Program (Honors)  
STAT 200 - Elementary Probability and Statistics

#### *Graduate*

ECON 601 - Microeconomic Theory  
ECON 616 - Economic Background for Regional Resilience and Adaptation  
ECON 622 - Managerial Economics  
ECON 626 - Econometrics  
ECON 635 - Resource Economics I  
ECON 636 - Resource Economics II  
ECON 637 - Natural Resource Policy

ECON 638 - Marine Policy  
ECON 670 - Research Methodology  
ECON 693 - Linear Programming  
BIO/ECON 694 - Integrative Modeling of Natural and Social Systems

### ***Oregon State University***

AREC 447 – Agricultural Price and Market Analysis

### **ACADEMIC SERVICE**

#### *University Committees—University Alaska of Fairbanks*

UAF Budget and Planning Committee, 2011  
Fishery Industrial Technology Center Review Committee, Chair, 2010 -2011.  
UAF Appeals Committee, 2010 to present.  
Dean Search Committee, College of Liberal Arts, Chair, 2009 to 2010.  
Steering Committee, IGERT – MESAS: Marine Ecosystem Sustainability in the Arctic and Sub Arctic, 2008 to present.  
University-wide Unit Criteria Committee 2007 to present.  
Provost Council, 2007 to present.  
Deans Council, 2007 to present.  
Fisheries Excellence Committee, 2006 to present.  
Cooperative Institute for Arctic Research Fellow, 2005 to 2011.  
Program review for Rural Development MA and BA, 2005  
Business and Finance Initiative Planning Group Committee, 2002  
Business and Finance Initiative Review Committee, 2001.  
Curriculum Council, UAF, 1998-1999.  
Graduate School Advisory Council 1997-1999.  
Honors Council, 1994-1998.  
Graduate School Scholarships Review Committee, 1996.  
Graduate Resource Fellowship Committee, Chair, 1995.

#### *School and Departmental Committees—University of Alaska Fairbanks*

Executive Management Council, School of Management, 1995-97, 2006 to present  
(Chair 2006 to present).  
Resilience and Adaptation Graduate Program, Steering Committee, 2002-2006.  
Instructional Committee, School of Management, 2001-2002 (Chair 2002).  
Director Search Committee, School of Management, Chair, 1999.  
Graduate Director, Economics Department, 1995-1999.  
Graduate Advisory Committee, School of Management, 1992-present.  
Curriculum Council, School of Management, 1994-95, 1997-2000 (Chair 98-99).  
Founding Fellow, Institute of Alaska Tourism, School of Management, 1995-97.  
Student Recruitment Committee, School of Management, 1995-97.  
Reorganizing Committee, College of Natural Resources Development and  
Management, 1995-97  
Recruitment Committee Member, Department of Economics, 1995-96.  
Financial Officer, Interview Team, School of Management, 1995.  
Oral Component Ad Hoc Committee, School of Management, 1994.

Intellectual Contributions Ad Hoc Committee Member, School of Management, 1994.  
Mission Statement Committee, School of Management, 1993.  
Computer Committee, School of Management, 1991-93. Chair (1992-93).

#### *Reviewer*

Proposal Referee, Packard Foundation's Applied Fisheries Management Grant Program 2007.  
Proposal Referee, Multi-State Hatch Project, 2006.  
Journal Referee, *Journal of Economic Education*, 2005.  
Proposal Reviewer Global Change Student Research Grant Competition, 2005.  
Proposal Referee, *Hatch Funds Proposal*, 1995 and 2003.  
Proposal Referee, *North Pacific Research Board*, 2003.  
Book Chapter Referee, *American Fisheries Society and Sustainable Fisheries Foundation*, 2001.  
Journal Referee, *Canadian Journal of Agricultural Economics*, 1989, 1997, 2001.  
Journal Referee, *Journal of Environmental Economics and Management*, 2000, 2001.  
Journal Referee, *Journal of Agricultural and Resource Economics*, 1998, 2005, 2006.  
Journal Referee, *American Journal of Agricultural Economics*, 1998, 1999.  
Proposal Referee, *Alaska Science and Technology Foundation*, 1998, 1999.  
Journal Referee, *Aquaculture Economics and Management*, 1998.  
Book Reviewer, *Alaskan Fisheries: Biology, Management, and Issues* by Will Barber, School of Fish, University of Alaska Fairbanks, 1996.  
Manuscript Referee, SALRM Experiment Station, 1995.  
Journal Referee, *Marine Resource Economics*, 1993-97, 1999, 2002.  
Journal Referee, *Agribusiness: An International Journal*, 1994.  
Proposal Referee, Oregon Sea Grant, 1994, 1997.  
Journal Referee, *Agricultural and Resource Economics Review*, 1993.  
Conference Referee, Western Region Agricultural Economics Meetings, 1993.  
Proposal Referee, NATO Collaborative Research Grants, 1992.  
Journal Referee, *Review of Urban and Regional Development Studies*, 1992.  
Journal Referee, *North American Journal of Fisheries Management*, 1992, 2010.  
Book Referee, *Westview Press*, 1991.  
Journal Referee, *Western Journal of Agricultural Economics*, 1990.

#### *Other*

FNSB Accelerator Benchmarking Committee 2006 to present.  
Scientific and Statistical Committee, North Pacific Fisheries Management Council, 2001 to 2006.  
Session Chair, North American Association of Fisheries Economists Forum, April 2001.  
Conference Session Organizer, Subsistence Whaling Session, IIFET 2000, Corvallis, Oregon, July, 2000.  
Crab Fishery Management Plan Team, July 1998 to August 1999.  
Editorial Board, *Business Quest*, 1998 to present.  
Conference Session Chair, The Institute of Management Science, Anchorage, Alaska, 1994.  
President, Agricultural Economics Graduate Student Association, Washington State University, 1988-89.