



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic Atmospheric Administration
National Marine Fisheries Service
P.O. Box 21668
Juneau, Alaska 99802-1668

April 13, 2020

David Witherell
Executive Director
North Pacific Fishery Management Council
1007 West Third, Suite 400
Anchorage, Alaska 99501-2252

Dear Mr. Witherell:

The National Marine Fisheries Service requests that the North Pacific Fishery Management Council consider our nomination of Scott A. Miller for the Social Sciences Planning Team (SSPT). Mr. Miller would replace Sally Bibb on the SSPT. Ms. Bibb will be retiring soon.

Mr. Miller is an Industry Economist with the Alaska Region Sustainable Fisheries Division. He has many years of experience writing and reviewing economic analyses of North Pacific fishery conservation and management actions. Additional information about Mr. Miller's qualifications for the SSPT are described in his attached resume.

Thank you for your consideration of this nomination.

Sincerely,

James W. Balsiger, Ph. D.
Administrator, Alaska Region

Attachment



Curriculum Vitae

Scott Alan Miller

907-586-7416 (W) 907-523-8991 (H) 907-419-7806(cell) e-mail: scott.miller@noaa.gov

EDUCATION: MS, Agricultural and Resource Economics. University of Maryland, College Park Maryland, May 23, 1996.

Thesis: “Modeling Expectations of Kept and Released Catch as Angling Site Quality Variables.”
Dr. Ivar Strand, Jr., Dr. Nancy Bockstael, and Dr. Kenneth McConnell, advisers.

Coursework Emphasis: Applied quantitative methods including statistics and econometrics, welfare analysis, and non-market valuation in agricultural, environmental, ecological, fisheries, and renewable natural resource economics.

Bachelor of Arts, Economics, with Honors, Minor in Mathematics. University of Puget Sound, Tacoma Washington, May 15, 1987.

Coursework Emphasis: Natural resource economics, and law and economics. Senior research paper focused on the bio-economics of limited entry fisheries management in Alaska’s salmon fisheries and the legal structure of limited entry permit allocations.

High School Diploma: May 15, 1983 Juneau-Douglas High School. Juneau, Alaska.

EXPERIENCE

Industry Economist: National Marine Fisheries Service, January 2003 to Present

Sustainable Fisheries Division, Operations Branch, Juneau Alaska, February 2017 to Present.

Serve as regional economist in providing review and approval of economic analyses prepared by other staff to ensure that these analyses comply with applicable Federal laws, executive orders, and agency guidance and policy. Analyze the environmental and economic impact of proposed marine resource conservation and management actions on affected individuals, businesses, other entities, and communities. Advise the Alaska Region and North Pacific Fishery Management Council on environmental and economic policy analysis of marine resource conservation and management actions. Provide economic analysis support to the Sustainable Fisheries Division and other Alaska Region divisions as needed. Provide socioeconomics peer reviewer for the Alaska and Maryland Sea Grant Programs, and the NMFS Saltonstall-Kennedy grant program, Serve as a certified Contracting Officers Representative.

Pacific Islands Regional Office, International Fisheries Division National Rotational Assignment, September 2016 to February 2017.

Provide economic analysis of regulatory packages necessary for implementing the South Pacific Tuna Treaty for the International Fisheries Division, Pacific Islands Regional Office, NMFS. Work was conducted as part of a U.S. Department of Commerce National Rotational Assignment Program award. Additional duties include preparation of position papers, briefs, and proposals for the 13th meeting of the Western and Central Pacific Fisheries Management Commission, held in Nadi, Fiji in December 2016. Served as a member of the United States Delegation to the Commission meetings.

Alaska Region Analytical Team, January 2003 to August 2016.

Lead Economist, Analyst, and Project Manager for analysis of the environmental and socioeconomic impacts of fisheries management measures, habitat protection initiatives, and endangered species protection measures on commercial and subsistence fishing entities. Direct the work of an interdisciplinary, analysis

Curriculum Vitae of Scott A. Miller

team that included including biological, GIS, database analysts. Analyst and lead author of Regulatory Impact Reviews and Initial Regulatory Flexibility Analyses necessary for promulgation of federal regulations. Present all analytical findings to the North Pacific Fisheries Management Council, its Scientific and Statistical Committee, and Advisory Panel. Serve as a Member of the North Pacific Fisheries Management Council's Scallop Fishery Management Plan Team. Provide socioeconomics peer reviewer for the Alaska and Maryland Sea Grant Programs, the NMFS Saltonstall-Kennedy grant program, and the North Pacific Research Board. Maintain a Professional affiliation with the University of Alaska Fairbanks, School of Fisheries and Ocean Sciences, as a thesis committee member and graduate student mentor.

Selected Analyses (Analytical Team and Sustainable Fisheries):

- Co-Author, in collaboration with an Alaska Fisheries Science Center Economist, of a technical memorandum detailing the Multi-Region Social Accounting Matric Model and model application.
- *Project Manager* - Socioeconomic Assessment of Proposed Steller sea Lion Critical habitat for the Western Distinct Population Segment
- *Co-author and project manager*- development of a Regulatory Impact Review and Initial Regulatory Flexibility Analysis for Bering Sea salmon Prohibited Species Catch Management
- *Lead author* -- Environmental Assessment, Regulatory Impact Review, and Initial Regulatory Flexibility Analysis of classifying grenadier species into the "ecosystem component" of the Fisheries Management Plans of the Bering Sea and Aleutian Islands, and the Gulf of Alaska
- *Bio-economic lead* - 2013 National Fish and Wildlife Foundation grant on potential impacts of the invasive tunicate, *Didemnum vexillum*, on Pacific herring stocks in Sitka Sound
- *Lead economic analyst* - potential for a Sablefish Cost Recovery Program (while on detail to the NMFS Northwest Regional Office)
- *Project lead* - analysis of revisions to Gulf of Alaska Steller Sea Lion Mitigation Measures
- *Lead model developer* - Total Allowable Catch Specifications Gross Revenue Model
- *Lead economic analyst* –
 - Designation of Bering Sea Essential Fish Habitat
 - Protection of Habitat Areas of Particular Concern
 - Aleutian Islands Pollock Allocations
 - Aleutian Islands Habitat Conservation Area designation
 - Bering Sea Habitat Conservation Area designation
 - Inside Waters and Bering Sea Seabird Avoidance Measures
 - Crab and Scallop Annual Catch Limits and Rebuilding plans
 - Pribilof Islands Blue King Crab Stock Rebuilding

Consulting Natural Resource Economist: Northern Economics Incorporated, Anchorage Alaska, January 2002 through December 2002.

Prepared economic analyses of fisheries, natural resources, and environmental policy including economic impact analyses, and benefit-cost analyses. Major projects included:

- Analyzed the potential impacts of resource utilization regulations on the Alaska groundfish fleets
- Developed an analysis of options to restructure the Bristol Bay salmon fishery, including product quality improvement, marketing through branding and eco-labeling, and harvest efficiency improvements. This work involved extensive outreach to stakeholders including facilitated focus group meetings and in person interviews in Dillingham and Naknek
- Assessed the ongoing effects of the 1997-98 Bristol Bay salmon fishery disasters on Alaska communities and residents
- Analyzed the overall importance of the Alaska seafood industry via input-output modeling of economic multiplier effects on income and employment

Curriculum Vitae of Scott A. Miller

Ocean Mariner: June-December, 2001 Following completion of an extensive refit and outfitting my wife and I sailed our 36' Union Polaris Cutter, *Diomedea*, across the North Pacific ocean from the island of Saipan to Kodiak AK, through Prince William Sound, across the Gulf of Alaska, and eventually to Seattle via the inside passage. The ocean crossing portion was 4,200 nautical miles and took 50 days.

Resource Economics Program Leader: The Northern Marianas College, Cooperative Research, Education, and Extension Service (USDA Land Grant). Saipan, Commonwealth of the Northern Mariana Islands (CNMI), USA, July 1999 to June 2001.

Conducted agricultural production analysis on tropical crops and mixed forest stand enterprises. Supervised a staff of four Extension Agents and two computer programming contractors. Representative to the USDA CNMI Interagency Watershed Planning and Management Group. Major projects included:

- Principal Investigator on a NOAA Fisheries Saltonstall-Kennedy Grant: "An Economic Assessment of the Domestic Fisheries Development Potential of the CNMI." Developed, tested, and administered commercial fishing surveys. Conducted focus group meeting with government officials and indigenous fishermen. Assessed fishery sustainability, business operations and finance, fishery infrastructure, and potential costs and returns. Assessed access to domestic and export markets by visiting and analyzing markets and buying operations in Honolulu, Guam, and Tokyo.
- Developed a crop and mixed forest product agricultural production and market integration model (CNMI AgProd). Analyzed production and markets to project market demand, assess market strength, and estimate costs and returns of farm enterprises. Advised farm operators on enterprise timing and expected earnings to facilitate agricultural enterprise planning.
- Assisted in the development of a watershed and marine water quality sampling program. Installed, maintained, and retrieved sediment traps weekly. Conducted reef fish and coral abundance and health surveys using a variety of standard dive sampling techniques (e.g. line intercept transects, quadrats).
- Developed a stratified random sampling protocol for assessing the presence and distribution of a parasitic pest control mechanism applied to control the invasive Philippine lady beetle as part of the Integrated Pest Management Program team. Sampling included crop enterprises, mixed forest/fruit plantations, and non-enterprise control sample.

Natural Resource Economist: The Commonwealth of the Northern Mariana Islands (CNMI), Department of Commerce, Office of the Secretary of Commerce, Saipan, CNMI, May 1997 through April 1999.

Prepared departmental position papers and daily briefings on fisheries management and regulations affecting the CNMI. Developed a long-range strategic marine resource management plan for the CNMI government. Provided environmental and resource economics consultancy to other divisions of the CNMI government. Represented the CNMI Secretary of Commerce at meetings of the Western Pacific Regional Fisheries Management Council, and its Scientific and Statistical Committee and Advisory Panel. Served as a United States Delegate to the United Nations' Multilateral High Level Conferences on Conservation and Management of Highly Migratory Fish Stocks in the Western and Central Pacific Ocean, Majuro, Republic of the Marshall Islands, June 1997 and Tokyo, Japan, June 1998.

Independent Economic Consultant: March 1996 through March 1997. Full time, 40+ hours per week.

Major clients and associated duties included:

- The Coastal America Program, Washington D.C: Conducted a qualitative assessment, via a web based survey and stakeholder outreach interviews, of economic costs and benefits of wetland restoration projects undertaken by Coastal America. Represented the Coastal America program at trade shows. Briefed the Under Secretary of the Army on Coastal America projects.
- U.S. Department of Justice, Washington, D.C.: Assessed the economic damages resulting from sewage contamination-related closure of the tidal Potomac River to commercial and recreational

Curriculum Vitae of Scott A. Miller

use. Developed, tested, and administered a damages survey instrument. Conducted stakeholder interviews and public outreach meetings. Analyzed impacts using the Maryland Sea Grant multiplier model (see below).

Research Assistant to the Sea Grant Extension Coordinator: University of Maryland Sea Grant Extension, February 1994 through February 1995.

Analyzed Maryland statewide expenditure and revenue survey data by developing an economic multiplier model to assess the total economic benefits of the Maryland boating industry. Co-authored a Maryland Sea Grant publication containing extensive results at the industry sector level. Conducted survey pre-tests and stakeholder outreach efforts via interviews with Maryland Marine Trades Association members.

Senior Technical Specialist, Economic and Social Analysis: Battelle Pacific Northwest National Laboratories, Global Studies Group, Washington D.C, May 1991 through January 1994.

Provided advanced technical support in economic analysis, data acquisition, computerized data management, statistical analysis, and technical writing to multidisciplinary teams of researchers working in the areas of economic benefit accounting, climate change, energy policy, and environmental policy.

Major projects included:

- Team lead - development of the Land Use and Agricultural Model of Climate Change, which analyzed NASA remote sensing satellite images in the GRASS GIS system to evaluate potential forest, grassland, and crop land cover changes under various climate change scenarios.
- Analyzed the potential for carbon sequestration in trees via proposed expansion of the "Trees for America" program as part of preliminary analysis of the 1995 farm bill.
- Analyzed the potential for corrective water quality improvements via sewage treatment capacity investments in areas adjacent to the Florida Keys National Marine Sanctuary.

Securities Trader/Manager Information Services: Freeman Welwood & Co., Inc., Seattle, Washington, May 1987 through January 1991.

Conducted stock, bond, and option transactions. Assessed market strength for trade placement and price sensitivity. Performed financial analysis of client accounts. Prepared and presented information seminars for clients and at professional conferences. Represented the firm at trade shows via presentations to promote the firm and its products. Developed the first automated mutual fund trading system (FW FundChoice) offering mutual funds from multiple fund companies. As Manager of Information Services for the firm, managed all information systems and developed a comprehensive strategic plan for a multimillion dollar procurement and replacement of all telecommunications and computerized trade equipment including contingency planning for multiple redundancies of services.

COMMERCIAL FISHERIES PRODUCTION EXPERIENCE

Production Foreman/Dock Foreman: Douglas Cold Storage Company, 115 Dock Street, Douglas, Alaska, Seasonally May to September, 1982-1985,

Trained and supervised a dock crew of up to 10 in offloading of fishing vessels, species identification, weight and tally procedures, icing for later processing, and fish ticket processing. Trained and supervised slime line crew of up to 30 in the operation of processing equipment and in fish processing techniques. Trained and supervised the night freezer crew and maintained all production records.

Production Foreman: Westward Fisheries Inc., Bristol Bay, Alaska June.

Assisted in the design and construction of an automated salmon processing facility. Hired, trained, and supervised a crew of up to 80 in all aspects of salmon processing from dock and beach deliveries, through the processing line, and out of the freezer to offshore tramper vessels.

Deck Hand: Seasonal Openings, May to September of 1980-85, in halibut, sablefish, salmon, crab, and herring fisheries. FV Sumner Strait, FV Pandad, and FV Ilikai; Southeast Alaska, Gulf of Alaska, and the Bering Sea/Bristol Bay area.

Operated deck gear to set and haul the various gear types, cleaned fish, iced fish in fish hold, and operated vessels in relief of vessel master.

VOLUNTEER ACTIVITIES:

Dredge Lakes Fish Passage and Beaver Monitoring Patrol team member (300 hours annually, 3600 total): 2008 to Present: Maintain fish passage for migrations of coho salmon and prevent trail flooding via low impact mitigation of a series of beaver dams in the dredge lakes system of Juneau's Dredge Lakes Park. Recognized as an area salmon habitat expert by the Trout Unlimited habitat enhancement committee, 2015.

Cub Scout and Webelos Scout Den Leader, 2008 to 2014(200 hours annually, 1,400 hours total). Conduct weekly Scout meetings to advance Scouts to rank awards. Participate in camps and outdoor activities. Mentor Scouts in a positive and constructive curriculum of activities designed to educate them in the importance of integrity, honesty, and community service.

Discovery Southeast: Volunteer survival skills trainer. Summer, 2012(40 hours). Helped train middle school age participants in backcountry awareness and shelter in place techniques.

Stream Water Quality and Macroinvertebrate Monitor: Prince George's County Maryland, Dept. of Environmental Resources: Stream Teams. April 1996 –August 1996 (160 hours). Completed stream assessment training. Assessed stream habitat potential, measured stream pH and temperature, collected macroinvertebrates using a D-frame net. Identified and quantified various aquatic macroinvertebrates and recorded data.

Herpetological Researcher Barnesville Maryland, Spotted Salamander Study. February – May 1996. (120 hours) Captured, tagged, weighed and measured Spotted Salamanders and other amphibians on their annual migration. Measured and recorded Salamander data and environmental conditions.

SELECTED PUBLICATIONS AND PRESENTATIONS:

SEUNG, C. K., and **S. MILLER**. 2018. Regional economic analysis for North Pacific fisheries. U.S. Dep. Commerce., NOAA Tech. Memo. NMFS-AFSC-380, 86 p.

Glass, Jessica R., Gordon H. Kruse, and **Scott A. Miller**. 2014. Socioeconomic considerations of the commercial weathervane scallop fishery off Alaska using SWOT analysis. *Ocean and Coastal Management*, volume 105, March 2015, pages 154-165. Also presented to the 2013 meeting of the Alaska Chapter of the American Fisheries Society, and to the 2015 meeting of the Alaska Marine Science Symposium.

Miller, Scott A. 2014. Implications of the invasive tunicate *D. vexillum* on the subsistence herring fishery in Sitka Sound. Presented to the 2014 meeting of the Alaska Chapter of the American Fisheries Society, Juneau Alaska.

Miller, Scott A. 2013. Economic transition in Western Alaska communities; traditional salmon fishery dependence and emerging groundfish fishery dependence. Prepared for and Presented to the Wakefield Symposium, October 2011. Published in the Proceedings of the 2012 Wakefield Conference Symposium, University of Alaska Sea Grant, Anchorage Alaska, October 2013.

Miller, Scott A. 2011. De-facto Catch Shares via Marketing Cooperatives: The Case of the Alaska Weathervane Scallop Fishery. Presented to the June 2011 conference of the North American Association of Fisheries Economists, Honolulu Hawaii.

Miller, Scott A. 2000. "The Domestic Fisheries Development Potential of the Commonwealth of the Northern Mariana Islands." Prepared under National Marine Fisheries Service, Saltonstall-Kennedy Grant award NA96FD0471.

Miller, Scott A. 1998. "CNMI Marine Conservation Plan." Prepared for the Western Pacific Regional Fisheries Management Council in accordance with Section 204 of the Magnuson-Stevens Fisheries Conservation and Management Act. CNMI Department of Commerce monograph.

Lipton, Douglas W., and **Scott A. Miller**. 1995. "Recreational Boating In Maryland: An Economic Impact Study." University of Maryland Sea Grant Extension Publication number UM-SG-MAP-95-02.

Richards, K., and **Scott A. Miller**. 1993. "Accounting for Carbon Sequestration in Trees." Working paper, Battelle PNL Global Climate Change Group, Washington, D.C.

Miller, Katharine B., and **Scott A. Miller**. 1992. "Options for Funding Management and Institutional Corrective Actions in the Florida Keys National Marine Sanctuary." Battelle Pacific Northwest Laboratories report prepared for the U.S. EPA under contract number 68-C2-0134.

Wise, B.K., Beck, D.M., Branch, K.M., Carothers, L.A., Eckert, R.L., Holthoff, M.G., and **Miller, S.A.**, 1991. "Public Involvement at the Hanford Site: A Perspective for The Hanford Integrated Planning Process." PNL Draft Report.

PROFESSIONAL ASSOCIATIONS:

American Fisheries Society, Member since 2003, presenter in 2013 and 2014

North American Association of Fisheries Economists: Member since 2004, presenter 2007, 2009, 2011, 2017.

International Institute of Fisheries Economics and Trade: Member since 2000, presenter 2000.

TRAINING AND CERTIFICATION

- Contracting Officers Technical Representative: Level 1 certification current
- Leadership Challenge Workshop
- Performance Based Standards of Work training
- Project Management Training (USDA Graduate School)
- Bendscheidt Presentation Training
- NEPA Practitioners Training
- NAUI Open Water Diver
- PADI Dry Suit Diver

References available on request