



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Alaska Fisheries Science Center
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May 17, 2018

Dave Witherell, Executive Director
North Pacific Fishery Management Council
605 West 4th Avenue, Suite 306
Anchorage, AK 99501-2252

Dear Dave:

The Alaska Fisheries Science Center offers Dr. Steven Barbeaux for your consideration to serve on the NPFMC Bering Sea and Aleutian Islands Groundfish Plan Team. Dr. Barbeaux has strong quantitative skills and knowledge of flatfish, pollock, and Pacific cod, population dynamics. In addition, his authorship of Greenland turbot, Aleutian Island pollock, GOA Pacific cod SAFE chapters, and publications on fisheries dependent sampling, spatial modeling and acoustics will provide useful expertise and practical experience to the Bering Sea Aleutian Islands Plan Team. Steve has extensive knowledge of the observer program as well as at-sea fieldwork experience. Steve served as a chief scientist on several cooperative acoustic surveys in the Aleutian Islands. Steve's experience with the observer program and more recently with cooperative research projects will be an added benefit to the Team. The breadth of his experience from hands on stock assessment modeling to understanding fishery dependent and fishery independent sampling and their limitations, combined with his strong quantitative skills, should make Steve a valuable asset to the Plan Team. His CV is enclosed for your consideration.

We appreciate the opportunity to provide scientists in support of the NPFMC plan teams.

Sincerely,

Doug DeMaster

Douglas P. DeMaster, Director, AFSC, NOAA Fisheries

Cc: F/AKC2 Ron Felthoven
F/AKC2 Sandra Lowe

Attachment



Steven Jon Barbeaux

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USA

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Professional Preparation

- 2004 – 2012 Ph.D – Fisheries
School of Aquatic and Fisheries Sciences, University of Washington, Seattle,
Washington.
- 1998 – 2001 Master in Marine Affairs – Natural Resource Policy Analysis and Economics
School of Marine Affairs, University of Washington, Seattle, Washington.
- 1988 – 1993 Bachelor of Arts – Biology
New College of Florida, Sarasota, Florida.

Professional Background

- 2002 – Present Research Fisheries Biologist - Resource Ecology and Fisheries Management Division,
Alaska Fisheries Science Center, NOAA Fisheries, Seattle, Washington.
- 1997 – 2002 Fisheries Biologist - North Pacific Groundfish Observer Program, Alaska Fisheries
Science Center, NOAA Fisheries, Seattle, Washington.
- 1996 – 1997 Biological Technician (Fisheries) - North Pacific Groundfish Observer Program, Alaska
Fisheries Science Center, NOAA Fisheries, Seattle, Washington.
- 1995 – 1996 Fisheries Observer, NWO, Inc. Sisters, Oregon.
- 1993 – 1995 Aquaculture Extension Agent - United States Peace Corps, Tikondi I, Cameroon.
- 1991 Professor's Assistant: Coral Reef Project -New College of Florida, Ambergris Kay,
Belize.
- 1990 Assistant Fisheries Biologist - Sault Ste. Marie Tribe of Chippewa Indians, Sault Ste.
Marie, Michigan.
- 1983 – 1988 Commercial Fisherman - Barbeaux & Son's Fisheries, DeTour Village, Michigan.

Relevant Publications (5 years)

- Barbeaux, S. J., L. Fritz, and L. Logerwell.** 2018. Developing real-time local fishery management through cooperative acoustic surveys in the Aleutian Islands. Marine Policy DOI: 10.1016/j.marpol.2018.01.005
- Barbeaux, S. J.** 2018. Visualization of groundfish distributions from the Alaska Fisheries Science Center bottom trawl surveys. PSESV 2018:001. DOI: 10.28966/PSESV.2018.001
- Barbeaux, S. and A. Hollowed.** 2018. Ontogeny matters: Climate variability and effects on fish distribution in the eastern Bering Sea. Fisheries Oceanography 27: 1-15 DOI:10.1111/fog.12229
- Barbeaux, S., K. Aydin, B. Fissel, K. Holsman, W. Palsson, K. Shotwell, Q. Yang, and S. Zador.** 2017. Assessment of the Pacific cod stock in the Gulf of Alaska. In Stock assessment and fishery evaluation report for the groundfish resources of the Gulf of Alaska. North Pac. Fish. Mgmt. Council, Anchorage, Alaska
- Barbeaux, S. J., D., Fraser. L. W. Fritz, and E. A. Logerwell.** 2017. Cooperative multispecies acoustic surveys in the Aleutian Islands. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-347, 57 p.

- Barbeaux, S. J.** 2017 Visualization of ontogenetic and interannual distributional shifts of groundfish from the Alaska Fisheries Science Center eastern Bering Sea bottom trawl survey, 1982-2015. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-348, 330 p.
- Barbeaux, S. J., D., Fraser. L. W. Fritz, and E. A. Logerwell.** 2017. Cooperative multispecies acoustic surveys in the Aleutian Islands. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-347, 57 p.
- Faunce, C., J. Sullivan, S. **Barbeaux**, J. Cahalan, J. Gasper, S. Lowe, and R. Webster. 2017. Deployment performance review of the 2016 North Pacific Groundfish and Halibut Observer Program. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-358, 75 p.
- Barbeaux, S., J. Ianelli, and W. Palson.** 2013 - 2017. Assessment of the Pollock stock in the Aleutian Islands. In Stock assessment and fishery evaluation report for the groundfish resources of the Bering Sea/Aleutian Islands regions. North Pac. Fish. Mgmt. Council, Anchorage, Alaska
- Barbeaux, S., T. D' Amar, and W. Palsson.** 2016 Assessment of the Pacific cod stock in the Gulf of Alaska. In: Stock assessment and fishery evaluation report for the groundfish resources of the Gulf of Alaska. North Pac. Fish. Mgmt. Council, Anchorage, Alaska
- Barbeaux, S., J. Ianelli, D. Nichols, and J. Hoff.** 2012 - 2016 Assessment of Greenland turbot (*Reinhardtius hippoglossoides*) in the Bering Sea and Aleutian Islands. In: Stock assessment and fishery evaluation report for the groundfish resources of the Bering Sea/Aleutian Islands regions. North Pac. Fish. Mgmt. Council, Anchorage, Alaska
- Barbeaux, S. J., S. Romain, E. Logerwell, and D. Fraser.** 2016. Aleutian Islands Cooperative Acoustic Survey Study, 2007. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-319, 35 p. doi:10.7289/V5/TM-AFSC- 319
- Duffy-Anderson, J., S. **Barbeaux**, E. Farley, R. Heintz, J. Horne, S. Parker_Stetter, C. Petrik, E. Siddon, and T. Smart. 2016. The critical first year of life of walleye pollock (*Gadus chalcogrammus*) in the eastern Bering Sea: Implications for recruitment and future research , Deep-Sea Research II 134: 283–301 DOI:10.1016/j.dsr2.2015.02.001
- Faunce, C., J. Gasper, J. Cahalan, S. Lowe, S. **Barbeaux**, and R. Webster. 2016. Deployment performance review of the 2015 North Pacific Groundfish and Halibut Observer Program. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-322, 54 p
- Ianelli, J., T. Honkalehto, S. **Barbeaux**, S. Kotwicki, K. Aydin, and N. Williamson. 2009 - 2016. Bering Sea-Aleutian Islands Walleye Pollock Assessment. In: Stock assessment and fishery evaluation report for the groundfish resources of the Bering Sea/Aleutian Islands regions. North Pac. Fish. Mgmt. Council, Anchorage, Alaska
- Barbeaux, S., J. Horne, and J. Ianelli.** 2014. A novel approach for estimating location and scale specific fishing exploitation rates of eastern Bering Sea walleye pollock (*Theragra chalcogramma*). Fisheries Research 153: 69-82
- Hollowed, A., S. **Barbeaux**, E. Cokelet, S. Kotowicki, P. Ressler, P. Stabeno, C. Wilson, and R. Lauth. 2014. Bering Sea integrated ecosystem research project: Fish forage distribution and ocean conditions. North Pacific Fisheries Research Board Final Report B62, 420p.
- Barbeaux, S., J. Horne, and M. Dorn.** 2013. Characterizing walleye pollock (*Theragra chalcogramma*) winter distribution from opportunistic acoustic data. ICES Journal of Marine Science 70:1162-1173

Professional Activities (5 years)

- 2017-2018 Editor-in-Chief Pacific States E-journal of Scientific Visualizations (PSESV)
- 2016-2018 Lead Stock Assessment Author for Gulf of Alaska Pacific Cod stock, Seattle, WA
- 2016-2018 Team Lead, Fisheries Ecology, Economics, and Management in a Changing Climate (FEEMC) project, Korea/US JPA Fisheries Panel
- 2014-2018 Lead Consultant, Korean Pollock Decline Investigations, Republic of Korea
- 2005-2018 Member, Aleutian Islands Ecosystem Plan Team, Seattle, WA
- 2015-2018 Member of the NPFMC Observer Science Committee, Seattle WA
- 2003-2018 Lead Stock Assessment Author for Aleutian Islands walleye pollock, Seattle, WA
- 2002-2018 Principle Investigator, Opportunistic Acoustic Data Collection Project, Bering Sea
- 2002-2017 Secondary Stock Assessment Author for Bering Sea walleye pollock, Seattle, WA
- 2014-2016 Team Lead, Cooperative Research Working Group, Seattle, WA
- 2014-2016 Cofounder, Cooperative Research in Alaska Steering Committee, Seattle WA
- 2014-2016 Principle Investigator, Fisher Collection of Ocean Data, Republic of Korea
- 2013-2016 Team Lead, Surveys and Monitoring Korean/USA Joint partnership agreement Fisheries Panel
- 2012-2016 Lead Stock Assessment Author for Bering Sea Greenland Turbot, Seattle, WA
- 2006-2016 Scientific Advisor, Convention on the Conservation and Management of Pollock Resources in the Central Bering Sea
- 2008-2014 Principle Investigator, Bering Sea Integrated Ecosystem Program, Bering Sea
- 2013 Organizer, Cooperative Research in the North Pacific Panel of Experts, Pacific Marine Expo, Seattle, WA
- 2013 Convener, Cost-effective cooperative ocean monitoring, Session S9, PICES 2013 Annual Meeting, Nanaimo, Canada