UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Alaska Fisheries Science Center
7600 Sand Point Way N.E.
Seattle, Washington 98115-6349

November 29, 2017

Mr. Dan Hull
Chair, North Pacific Fishery Management Council
605 West 4th, Suite 306
Anchorage, AK 99501-2252

Mr. Farron Wallace
Chair, Scientific and Statistical Committee
7600 Sand Point Way NE
Seattle, WA 98115-6349

Dear Messrs. Hull and Wallace:

The Alaska Fisheries Science Center (AFSC) fully supports and endorses the nomination of Dr. Dana Hanselman to the North Pacific Fishery Management Council's Scientific and Statistical Committee. It is a pleasure to nominate such a highly qualified and accomplished member of the AFSC to assist the Council in providing effective science-based management of Alaska's marine resources for the benefit of our stakeholders and the nation.

As detailed in the attached resume, Dr. Hanselman's extensive experience as a lead stock assessment scientist is recognized nationally and internationally, and he is thoroughly familiar with the Council process, where he presently serves as co-chair of the Bering Sea Aleutian Islands Groundfish Plan Team.

Sincerely,

Douglas P. DeMaster, Ph.D.
Science and Research Director

DANA H. HANSELMAN
Auke Bay Laboratories/NMFS/NOAA
17109 Lena Loop Rd, Juneau, AK 99801
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PROFESSIONAL PREPARATION

University of Michigan, Ann Arbor	Ecology	BS	1997
University of Alaska, Fairbanks	Fisheries Biology	MS	2000
University of Alaska, Fairbanks	Fisheries Biology	PhD	2004

APPOINTMENTS

September 2012 – present. Co-chair.
Bering Sea/Aleutian Islands Groundfish Plan Team for the North Pac. Fish. Management Council.

November 2010-present. Research Advisor
National Research Council
Current research activities: Postdoctoral advisor, Megan Peterson, fishery catch rate modeling

August 2008 – present. Affiliate Professor
University of Alaska, Fairbanks--Fisheries Division, Juneau, AK.
Research activities: 3 Ph.D. committees, spatially explicit assessment, statistics, population genetics

June 2003-present. Research Fishery Biologist
Auke Bay Laboratories/NOAA. Juneau, AK
Supervisor: Jonathan Heifetz.
Research activities: Responsible for stock assessments of Alaska sablefish and several rockfish species. These assessments and supporting marine ecological research provide advice to the North Pacific Fishery Management Council. Participate in at-sea field research on rockfish and sablefish surveys. Other activities include research survey design, spatial assessment models, and population dynamics.

August 1998-May 2003. Graduate Research Assistant.
University of Alaska, Fairbanks--Fisheries Division, Juneau, AK.
Advisor: Dr. Terrance J. Quinn II.
Research activities: Rockfish survey sampling designs and stock assessment.

RECENT PUBLICATIONS

Peterson, M.J. and D.H. Hanselman. 2017. Sablefish mortality associated with whale depredation in Alaska. ICES J. Mar. Sci. doi: 10.1093/icesjms/fsw239.

Thorson J.T., A. Rindorf, J. Gao, D.H. Hanselman, H. Winker H. 2016. Density dependent changes in effective area occupied for sea-bottom-associated marine fishes. Proc. R. Soc. B 283: http://dx.doi.org/10.1098/rspb.2016.1853

Hanselman, D.H., J. Heifetz, K.B. Echave, and S.C. Dressel. 2015. Move it or lose it: Movement and mortality of sablefish tagged in Alaska. Can. J. Fish. Aquat. Sci. 72(2): 238-25.

Yasumiishi, E., Shotwell, S.K., Hanselman, D.H., Orsi, J., and Ferguson, E. 2015. Using Salmon Survey and Commercial Fishery Data to Index Nearshore Rearing Conditions and Recruitment of Alaskan Sablefish. Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science 7: 312-324.

Hulson, P.J.F., and D.H. Hanselman. 2014. Tradeoffs between bias, robustness, and common sense when choosing selectivity forms. Fisheries Research 158: 63-73.

Deroba, J.J., Butterworth, … , Hanselman, D.H., et al. 2014. Simulation testing the robustness of stock assessment models to error: some results from the ICES strategic initiative on stock assessment methods. – ICES Journal of Marine Science. doi:10.1093/icesjms/fst237.

Mateo, I., and D. H. Hanselman. 2014. A comparison of statistical methods to standardize catch-per-unit-effort of the Alaska longline sablefish. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-269, 71 p.

Echave, K.B., D.H. Hanselman, and N.E. Maloney. 2013. Report to industry on the Alaska sablefish tag program, 1972-2012. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-254, 47 p.

Hulson, P.J.F., T.J. Quinn, D.H. Hanselman, and J. Ianelli. 2013. Spatial modeling of Bering Sea walleye pollock with integrated age-structured assessment models in a changing environment. Can. J. Fish. Aquat. Sci. 70: 1402-146.

Peterson, M.J., F. Mueter, D.H. Hanselman, C.R. Lunsford, C. Matkin, and H. Fearnbach. 2013. Killer whale (*Orcinus orca*) depredation effects on catch rates of six groundfish species: Implications for commercial longline fisheries in Alaska. ICES J. Mar. Sci. 70: 1220-1232.

Shotwell, S.K., D.H. Hanselman, and I.M. Belkin. 2012. Toward biophysical synergy: Investigating advection along the Polar Front to identify mechanisms influencing Alaska sablefish recruitment. Deep-Sea Res. II. http://dx.doi.org/10.1016/j.dsr2.2012.08.024

Hanselman, D.H., W. Clark, J. Heifetz, and D. Anderl. 2012. Statistical distribution of age readings of known-age sablefish (*Anoplopoma fimbria*). Fish. Res. 131: 1-8.

Hanselman, D.H., P.D. Spencer, D. McKelvey, and M. Martin. 2012. Application of an acoustic-trawl survey design to improve rockfish biomass estimates. Fish. Bull. 110: 379-396.

Echave, K. B., D. H. Hanselman, M. D. Adkison, and M. F. Sigler. 2012. Inter-decadal changes in sablefish, *Anoplopoma fimbria*, growth in the northeast Pacific Ocean. Fish. Bull. 210:361-374.

Hulson, P.J.F., D.H. Hanselman, and T.J. Quinn. 2012. Determining effective sample size in integrated age-structured assessment models. ICES J. Mar. Sci. 69: 281–292.

Spencer, P., D.H. Hanselman, and D. McKelvey. 2012. Simulation modeling of a trawl-acoustic survey design for patchily distributed species. Fish. Res. 126: 289-299.

Hulson, P.J.F., D.H. Hanselman, and T.J. Quinn. 2011. Effects of process and observation errors on effective sample size of fishery and survey age and length composition using variance ratio and likelihood methods. ICES J. Mar. Sci. 68: 1548-1557.

AWARDS

May 2012. Department of Commerce Bronze Medal Award (NOAA Policy on Scientific Integrity)

February 2010. Citation from Alaska State Legislature (Senator Dennis Egan).

July 2009. Presidential Early Career Award for Scientists and Engineers (PECASE)

June 2000-June 2003. NMFS/Sea Grant National Population Dynamics Fellowship

COLLABORATORS AND CO-AUTHORS (LAST 48 MONTHS):

Sherri	Dressel	ADF&G	Alan	Kronlund	DFO-Nanaimo, BC
Megan	Peterson	NOAA Affiliate	Franz	Mueter	UAF-Fairbanks
Anne	Beaudreau	UAF-Fairbanks	Brian	Pyper	FishMetrics
William	Clark	IPHC-emeritus	Terry	Quinn	UAF-Fairbanks
Jane	DiCosimo	NOAA HQ	Chris	Rooper	NMFS-AFSC
Martin	Dorn	NMFS-AFSC	S. Kalei	Shotwell	NMFS-AFSC
Ian	Stewart	IPHC	Mike	Sigler	NMFS-AFSC
James	Thorson	NMFS - NWFSC	Paul	Spencer	NMFS-AFSC
Jonathan	Heifetz	NMFS-AFSC	Diana	Stram	NPFMC
Jim	Ianelli	NMFS-AFSC	Katy	Echave	NMFS-AFSC
Dan	Goethel	NMFS - SEFSC	Jon	Deroba	NMFS - NEFSC
Pete	Hulson	NMFS-AFSC	Grant	Thompson	NMFS-AFSC