



**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 4<sup>th</sup> Avenue, Suite 306  
Anchorage, AK 99501-2252

Dear Dave:

The Alaska Fisheries Science Center offers Dr. Peter Hulson for your consideration to serve on the NPFMC Gulf of Alaska Groundfish Plan Team. Dr. Jon Heifetz has announced his pending retirement, and Pete is being offered as Jon's replacement. Pete has strong quantitative skills and knowledge of rockfish population dynamics. In addition, his authorships of rockfish SAFE chapters, and publications on spatial modeling, tagging data, and age composition sampling will provide useful expertise and practical experience to the GOA Plan Team. Pete also has extensive at-sea fieldwork experience having participated in AFSC longline and acoustic surveys as well as working directly with the rockfish trawl industry. The breadth of his experience from hands on stock assessment modeling to understanding surveys and their limitations, combined with his strong quantitative skills, should make Pete 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/AKC/ABL Pete Hagen  
F/AKC/ABL Jon Heifetz

Attachment



## Curriculum Vitae

### Peter-John F. Hulson

Auke Bay Laboratories, Alaska Fisheries Science Center

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### EDUCATION

Ph.D., Fisheries, 2012, University of Alaska, Fairbanks AK

M.S., Fisheries, 2007, University of Alaska, Fairbanks AK

B.A., Mathematics, 2004, University of Pennsylvania, Philadelphia PA

### EXPERIENCE

2010- Research Fish Biologist, Auke Bay Laboratories, Alaska Fisheries Science Center, National Marine Fisheries Service, NOAA, DOC

2005-2011 Research Assistant, Juneau Center, School of Fisheries and Ocean Sciences, University of Alaska, Fairbanks

### COLLABORATORS (LAST 48 MONTHS)

Gwladys Lambert (AFSC), Dr. Terrance J. Quinn II (UAF), Jim Ianelli (AFSC), Dana Hanselman (AFSC), Sherri Dressel (ADF&G), Sara Miller (ADF&G), Steve Moffitt (ADF&G), Andrew Edwards (DFO), Gary Marty (Ministry of Agriculture)

### PEER REVIEWED PUBLICATIONS

Hulson, P.-J.F., D.H. Hanselman, and S.K. Shotwell, 2017. Investigations into the distribution of sample sizes for determining age composition of multiple species. Fish. Bull. 115:326-342.

Muradian, M.L., T.A. Branch, S.D. Moffitt, and P.-J.F. Hulson, 2017. Batesian stock assessment of Pacific herring in Prince William Sound, Alaska. PLoS ONE 12(2): e0172153.

Hulson, P.-J.F., C.A. Tribuzio, and K. Coutre, 2016. The use of satellite tags to inform the stock assessment of a data-poor species: estimating vertical availability of Spiny dogfish in the Gulf of Alaska. In T.J. Quinn II, J.L. Armstrong, M.R. Baker, J. Heifetz, and D. Witherell (eds.), Assessing and Managing Data-Limited Fish Stocks. Alaska Sea Grant, University of Alaska Fairbanks

Rodgveller, C.J., J.W. Stark, K.B. Echave, and P.-J.F. Hulson, 2016. Age at maturity, skipped spawning, and fecundity of female sablefish (*Anoplopoma fimbria*) during the spawning season. Fish. Bull. 115:89-102.

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

- Deroba, J.J.,..., and P.-J.F. Hulson, 2014. Simulation testing the robustness of stock assessment models to error: some results from the ICES strategic initiative on stock assessment methods. ICES J. Mar. Sci. doi:10.1093/icesjms/fst237.
- Hulson, P.-J. F., T. J. Quinn II, D. H. Hanselman, and J. N. Ianelli, 2013. Spatial modeling of bering sea walleye pollock with integrated age-structured assessment models in a changing environment. Can. J. Fish. Aquat. Sci. 70:1402-1416.
- Hulson, P.-J. F., D. H. Hanselman, and T. J. Quinn II, 2012. Determining effective sample size in integrated age-structured assessment models. ICES J. Mar. Sci. 69(2): 281-292.
- Hulson, P.-J. F., S.E. Miller, J. N. Ianelli, and T. J. Quinn II, 2011. Including mark-recapture data into a spatial age-structured model: walleye pollock (*Theragra chalcogramma*) in the eastern Bering Sea. Can. J. Fish. Aquat. Sci. 68: 1625-1634.
- Hulson, P.-J. F., D. H. Hanselman, and T. J. Quinn II, 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(7): 1548-1557.
- Marty, G. D., P.-J. F. Hulson, S. E. Miller, T. J. Quinn II, S. D. Moffit, and R. A. Merizon, 2010. Failure of population recovery in relation to disease in Pacific herring. Dis. Aquat. Org. 90:1-14.
- Hulson, P.-J. F., S. E. Miller, T. J. Quinn II, G. D. Marty, S. D. Moffit, and F. Funk, 2008. Data conflicts in fishery models: incorporating hydroacoustic data into the Prince William Sound Pacific herring assessment model. ICES J. Mar. Sci. 65: 25-43.

## **SELECTED STOCK ASSESSMENTS/REPORTS**

- Hulson, P.-J.F., D.H. Hanselman, S.K. Shotwell, C.R. Lunsford, and J.N. Ianelli, 2015. Assessment of the Pacific ocean perch stock in the Gulf of Alaska. *In: Stock Assessment and Fishery Evaluation Report for the Groundfish Resources of the Gulf of Alaska.* Anchorage, AK, North Pacific Fishery Management Council: 809-888.
- Hulson, P.-J.F., J. Heifetz, D.H. Hanselman, S.K. Shotwell, and J.N. Ianelli, 2015. Assessment of the northern rockfish stock in the Gulf of Alaska. *In: Stock Assessment and Fishery Evaluation Report for the Groundfish Resources of the Gulf of Alaska.* Anchorage, AK, North Pacific Fishery Management Council: 889-974.
- Lunsford, C.R., P.-J.F. Hulson, S.K. Shotwell, and D.H. Hanselman, 2015. Assessment of the dusky rockfish stock in the Gulf of Alaska. *In: Stock Assessment and Fishery Evaluation Report for the Groundfish Resources of the Gulf of Alaska.* Anchorage, AK, North Pacific Fishery Management Council: 1013-1102.
- Shotwell, S.K., D.H. Hanselman, J. Heifetz, and P.-J.F. Hulson, 2015. Assessment of the rougheye and blackspotted rockfish stock complex in the Gulf of Alaska. *In: Stock Assessment and Fishery Evaluation Report for the Groundfish Resources of the Gulf of Alaska.* Anchorage, AK, North Pacific Fishery Management Council: 1103-1218.