

JUNE 2018



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Fish and Game

OFFICE OF THE COMMISSIONER
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May 31, 2018

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

Dear Chairman Hull:

I would like to nominate Ms. Jane Sullivan for appointment to the Council's Bering Sea Aleutian Islands Groundfish Plan Team. Jane has been participating in a temporary role on the Plan Team since Dave Barnard's retirement. Jane was an active participant in previous Plan Team meetings and received support from several Plan Team members for her active involvement. Jane is currently a biometrician for the Department and is a valuable new addition to our Marine Research section. In this role she is responsible for various groundfish stock assessments and is assisting in developing an age-structured Pacific herring model. Jane's experience on the Plan Team has provided her a strong understanding of the complex stock assessments and unique state and federal management overlap. With her interest and experience, Ms. Sullivan will be a valuable addition to the Bering Sea Aleutian Islands Plan Team. I envision her being a solid addition today and an indispensable resource in the years to come.

Thank you for considering her appointment at the upcoming June 2018 Council meeting, attached is her CV for your review.

Sincerely,

A handwritten signature in blue ink that reads "Sam Cotten".

Sam Cotten
Commissioner

Curriculum Vitae for Jane Sullivan, M.S.

1255 W. 8th St.
Juneau, AK 99801
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EDUCATION

M.S.	<i>Fisheries</i>	University of Alaska Fairbanks	2016
B.S.	<i>Wildlife Biology (Aquatic emphasis)</i>	University of Montana, Missoula	2012

SUMMARY OF PROFESSIONAL EXPERIENCE

9/17 – pres. **Biometrician I**, Division of Commercial Fisheries, Alaska Department of Fish and Game. Juneau, AK.

- Assess statewide groundfish and herring populations using age- and size-structured models and a variety of population abundance and survival estimators;
- Promote effective communication of stock assessment methods and results to State and Federal scientists, policy makers, industry members, and the public;
- Author biometric reports and peer-reviewed publications, while upholding rigorous standards of reproducible research;
- Lead project storage and version control using git and GitHub;
- Provide technical review of stock assessments, reports, and manuscripts for publication.

8/16 – 9/17 **Alaska Sea Grant Fellow, Fishery Analyst**, Sustainable Fisheries Division, National Oceanic and Atmospheric Association (NOAA) Fisheries Alaska Regional Office. Juneau, AK.

- Conducted and refined statistical analyses, report writing, and project management for the North Pacific Observer Program's Annual Report and Annual Deployment Plan;
- Increased efficiency, reduced errors, and assured the quality of Observer Program reports by making them fully reproducible research projects in RMarkdown;
- Provided guidance in the peer-review process of the Observer Program Annual Report as a member of the Observer Science Committee;
- Presented results to the North Pacific Fisheries Management Council's Observer Advisory Committee and Scientific Statistical Committee.

9/13 – 8/16 **Research Assistant**, University of Alaska Fairbanks (UAF), College of Fisheries and Ocean Sciences, Juneau, Alaska. Graduate committee: Drs. Gordon Kruse, Steve Martell, and Franz Mueter. Juneau, AK.

- Participated in a collaborative study with the International Pacific Halibut Commission (IPHC), NOAA Alaska Fisheries Science Center, and the University of Washington to examine fishery, climate, and ecological effects on growth and size-at-age of Pacific halibut;
- Applied techniques in age- and size-structured stock assessment, linear and non-linear modeling, simulation analyses, and mixed effects modeling;
- Compiled scientific publications and reports, co-authored grants, presented at scientific conferences, conducted outreach to stakeholders and the public, and volunteered on research surveys.

4/12 – 8/13 **Fisheries Technician II**, Seasonal, Alaska Department of Fish and Game, Sitka, AK.

- Administered creel census surveys to sport and charter fishermen targeting groundfish and salmon, collected biological samples, and conducted data entry.

5/07 – 8/11 **Deckhand**, Seasonal, Fish Seward Alaska and other companies, Seward, AK.

- Deckhanded on 30-40 ft. sport fishing vessels targeting Pacific halibut, salmon, and rockfish in the Gulf of Alaska.

PUBLICATIONS, REPORTS, AND MANUSCRIPTS IN REVIEW

Publications:

Sullivan, J. and C. Faunce. 2018. Alternative Sampling Designs for the 2018 Annual Deployment Plan of the North Pacific Observer Program. NOAA Technical Memorandum NMFS-AFSC-364.

Sullivan, J.Y. 2016. Environmental, ecological, and fishery effects on growth and size-at-age of Pacific halibut (*Hippoglossus stenolepis*). University of Alaska Fairbanks, Master's thesis. 107 p.

Martell, S., I. Stewart, and **J. Sullivan**. 2015. Implications of Bycatch, Discards, and Size Limits on Reference Points in the Pacific Halibut Fishery. Fisheries Bycatch: Global Issues and Creative Solutions. Alaska Sea Grant, University of Alaska Fairbanks.

Reports:

Alaska Fisheries Science Center and Alaska Regional Office. 2017. North Pacific Observer Program 2016 Annual Report. AFSC Processed Rep. 2017-07, 143 p. Alaska Fish. Sci. Cent., NOAA, Natl. Mar. Fish. Serv., 7600 Sand Point Way NE, Seattle WA 98115.

Sullivan, J.Y., and G.H. Kruse. 2016. Environmental, ecological, and fishery effects on growth and size-at-age of Pacific halibut. Pollock Conservation Cooperative Research Center Final Report. College of Fisheries and Ocean Sciences, University of Alaska Fairbanks. 39 p.

Kruse, G., **J. Sullivan**, S. Martell, K. Holsman, B. Leaman, K. Aydin, and B. Miller. 2016. Fishery, Climate, and Ecological Effects on Pacific Halibut Size-at-age. North Pacific Research Board Final Report, Project 1309. University of Alaska Fairbanks, International Pacific Halibut Commission, National Marine Fisheries Service, and University of Washington. 157 p.

Manuscripts in review:

Sullivan, J.Y., G.H. Kruse, and F.J. Mueter. Spatial and temporal trends in growth and size-at-age of Pacific Halibut related to environmental and ecological variability in the North Pacific Ocean.

Sullivan, J.Y., S.J.D. Martell, and G.H. Kruse. Cumulative effects of size-selective fishing on size-at-age of Pacific halibut (*Hippoglossus stenolepis*).

OTHER PROFESSIONAL EXPERIENCE

11/17 Interim member of the NPFMC's Bering Sea Groundfish Plan Team, Seattle, WA.

1/17 – 8/17 Member of the North Pacific Observer Program's Observer Science Committee.

- 4/17 – 5/17 Delivered multiple workshops on developing graphics and conceptual models for NEPA analyses, NOAA Alaska Region in Anchorage and Juneau, AK.
- 4/17 Delivered a workshop on analyzing and visualizing Likert data in R, University of Alaska Fairbanks, Juneau, AK.
- 9/16 Volunteer biologist identifying and assessing abundance of juvenile Pacific salmon, NOAA Southeast Alaska Coastal Monitoring surface trawl survey, F/V *Northwest Explorer*, Cross Sound and Icy Strait, AK.
- 1/16 – 8/16 Student Representative to the Dean’s Executive Committee, University of Alaska Fairbanks, College of Fisheries and Ocean Sciences, Juneau, AK.
- 11/15 – 1/16 Volunteer assistant to Groundfish Division biologists collecting biological samples from Pacific cod, Alaska Department of Fish and Game, Juneau, AK.
- 8/15 Volunteer for a mark-recapture experiment and biological sampling on adult chum salmon, University of Alaska Fairbanks, Sawmill Ck., Juneau, AK.
- 7/14 Volunteer scientist collecting biological samples and tagging sablefish and Pacific Ocean perch, NOAA Longline Survey, F/V *Alaskan Leader*, Ketchikan to Yakutat, AK.
- 8/14 Volunteer biologist identifying forage and larval fish from puffin diets, United States Geological Survey (USGS) Seabird Survey, R/V *Tiglax*, Dutch Harbor to Kodiak Island, AK.
- 9/11 – 12/11 Hatchery Technician Intern, Montana Fish, Wildlife, and Parks, Jocko River Trout Hatchery, Arlee, MT.

Service to the American Fisheries Society (AFS)

- 4/17 – pres. International Section of AFS Fellow
- 8/15 – 3/16 Student Activities and Volunteer Coordinator for the 2016 Annual Meeting of the Western Division of the AFS, Reno, NV.
- 9/14 – 7/16 Western Division of the AFS Executive Committee Student Representative, University of Alaska Fairbanks, Juneau, AK.

HONORS

- 5/17 Award of Special Recognition, Western Division of AFS
- 3/16 Special Contribution Award for Conference Planning/Volunteer Coordination, California-Nevada Chapter of the AFS, Reno, NV.
- 3/16 2nd Place Oral Presentation, Western Division AFS Annual Meeting, Reno, NV.
- 1/16 Best Oral Presentation at the Master’s Level, Alaska Marine Science Symposium, Alaska Sea Grant, Anchorage, AK.