THE STATE of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Fish and Game

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September 13, 2021

Mr. Simon Kinneen, Chair
North Pacific Fishery Management Council
1007 West Third, Suite 400
Anchorage, AK 99501-2252

Re: Nomination of Dr. Philip Joy to the BSAI Groundfish Plan Team

Dear Chairman Kinneen:

I would like to nominate Dr. Philip Joy for appointment to the Council's Bering Sea and Aleutian Islands (BSAI) Groundfish Plan Team. Dr. Joy has replaced Jane Sullivan as a biometrician for groundfish fisheries in the Marine Research Section of the Division of Commercial Fisheries. This position focuses primarily on rockfish and sablefish stock assessments using age- and size-structured models and a variety of population abundance and survival estimators. Dr. Joy has a long history with the Department of Fish and Game and a strong record of quality service in support of Alaskan fisheries.

Dr. Joy has been approved to serve on the BSAI Groundfish Plan Team on an interim basis, so he will be fully participating in the September virtual meeting. With his extensive research experience and background in population dynamics, I believe Dr. Joy will be a valuable addition to the BSAI Groundfish Plan Team. His CV has been attached for reference. Thank you for considering Dr. Joy's appointment at the upcoming October 2021 Council meeting.

Sincerely,

Doug Vincent-Lang
Commissioner

Curriculum vitae

Philip J. Joy, Ph.D.
1982 Eldovista Pkwy
Fairbanks, AK 99709
Philip.joy@alaska.gov

Education

- **Ph.D.** in **Fisheries**, August 2019. **University of Alaska Fairbanks**, Fairbanks, Alaska. College of Fisheries and Ocean Sciences. Specializing in salmon population biology and productivity as it relates to marine-derived nutrients imported to freshwater systems by migrating salmon. **GPA**: 4.00

- **M.S.** in **Wildlife Biology,** May 2001. **University of Alaska Fairbanks**, Fairbanks, Alaska. Department of Biology and Wildlife. Specializing in population biology and wildlife epidemiology. Completed and defended a thesis on the population biology and epidemiology of hepatitis B in arctic ground squirrels in the Alaska Range. **GPA:** 4.00

- **B.S.** in **Biology**, May 1994. **College of William and Mary**, Williamsburg, Virginia. Department of Biology. Completed and defended an honors thesis on polymorphism in hemocyanin in lobsters and rock crabs. **GPA:** 3.47 overall, 3.8 in Biology

Work Experience

- **Marine Fisheries Biometrician II, Alaska Department of Fish and Game,** Commercial Fisheries Division, Juneau, AK. July 2021 through present. Responsible for assisting with state-wide stock assessments, biometric quality control and data analysis for groundfish fisheries with an emphasis on rockfish and sablefish.

- **Anadromous Fish Research Coordinator, Fisheries Biologist III, Alaska Department of Fish and Game,** Division of Sport Fish, Fairbanks, AK. October 2017 through June 2021. Responsible for overseeing all aspects of Sport Fish Region III (Interior, North and Northwest Alaska) anadromous fish research programs including supervising
  - Escapement goal analysis of salmon stocks**;**
  - Copper River Chinook salmon smolt coded-wire tagging project;
  - Salcha and Chena river Chinook salmon escapement monitoring (counting towers and sonar monitoring);
  - Responsible for writing proposals, advising and evaluating study designs, editing operational plans and final reports, organizing and executing field research, data analysis and final write up of project results;
  - Supervise 3 Fisheries Biologist II's; and,

- Supervise 12+ technicians.

- **Fisheries Biologist II, Alaska Department of Fish and Game,** Division of Sport Fish, Fairbanks, AK. 2006 through October 2017. Responsible for implementation and completion of several fisheries research projects including
  - Copper River Chinook salmon smolt coded-wire tagging project;
  - Radiotelemetry studies of coho and Chinook salmon in the Unalakleet River;
  - Abundance estimation of northern pike in Minto flats;
  - Authored FDS reports on grayling and lake trout.;
  - Responsible for writing proposals, study design, writing operational plans, organizing and executing field research, data analysis and final write up of project results; and,
  - Supervised large projects with up to 12+ technicians and biologists.

- **Fisheries Biologist I, Alaska Department of Fish and Game**, Division of Sport Fish, Fairbanks, AK. May 2003 through 2006. Responsible for the implementation and completion of a radiotelemetry study on northern pike on the Yukon Flats. Installed, maintained and downloaded remote tracking stations and performed numerous aerial and boat telemetry surveys. Recorded, managed and analyzed data and currently writing a report for departmental publication. Worked on various other ADF&G sport fish projects during the field season. Operated various boats throughout Interior Alaska waters.

- **Fisheries Technician III, Alaska Department of Fish and Game**, Division of Sport Fish, Fairbanks, AK. May 2002 through May 2003.

- **Research Assistant, Alaska Bird Observatory**, Fairbanks, Alaska. April 2001 through May 2003.

- **Biological Technician (GS-6), Kenai Fjords National Park**, Seward, Alaska. April 2000 through September 2000.

Professional Awards

- 2019 Director's Achievement Award for Excellence in Fisheries Research (ADF&G-Sport Fish Division)

Other Certifications

- Scuba Certification:
  - Advanced open water PADI certification (December 2016)
  - Nitrox PADI certification (January 2018)
  - 200 logged dives (warm water diving in Belize, Indonesia, Philippines, and Palau).

- Current Red Cross CPR and First-Aid

Publications and Presentations

Joy, P. J., and M. Tyers. *In prep*. Run Reconstructions, Spawner-Recruit Analysis, and Escapement Goal Recommendation for Chinook Salmon in the Chena and Salcha rivers. Alaska Department of Fish and Game, Fishery Manuscript Series No. 21-XX, Anchorage.

Joy, P. J., J. W. Savereide, M. Tyers, and J. Fleishman. 2021. Run Reconstructions, Spawner-Recruit Analysis, and Escapement Goal Recommendation for Chinook Salmon in the Copper River. Alaska Department of Fish and Game, Fishery Manuscript Series No. 21-01, Anchorage.

Joy, P. J., S. B. Haught, R. E. Brenner, S. Miller, J. W. Erickson, J. W. Savereide, and T. R. McKinley. 2021. Escapement goal review of Copper and Bering Rivers and Prince William Sound Pacific salmon stocks, 2020. Alaska Department of Fish and Game, Fishery Manuscript No. 21-02, Anchorage.

Joy, P. J., C. A. Stricker, R. Ivanoff, S. Y. Wang, M. S. Wipfli, A. C. Seitz, J. Huang, and M. Tyers. 2020. Juvenile Coho and Chinook salmon growth, size, and condition linked to watershed-scale salmon spawner abundance. Transactions of the American Fisheries Society DOI: 10.1002/tafs.10233.

Joy, P. J., C. A. Stricker, R. Ivanoff, M. S. Wipfli, A. C. Seitz, and M. Tyers. 2020. Bridging the gap between salmon spawner abundance and marine nutrient assimilation by juvenile salmon: seasonal cycles and landscape effects at the watershed scale. Ecosystems 23, 338-358.

Joy, P. J. 2019. The Response of Juvenile Coho and Chinook Salmon Stocks to Salmon Spawner Abundance: Marine Nutrients as Drivers of Productivity. Ph.D. Dissertation, College of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Fairbanks, AK.

Joy, P., M. S. Wipfli, C. Stricker and W. Jones. 2015. Seasonal and landscape patterns of marine-nutrient assimilation in rearing Coho and Chinook Salmon in the Unalakleet River, western Alaska. Presented at the 2015 Alaska Chapter AFS Conference, November 3-6, 2015; Homer, Alaska

Joy, P. 2014. Marine versus freshwater factors for explaining relationships between pink salmon escapements and Coho salmon brood returns. Presented at the 2014 Alaska Chapter AFS Conference, October 20-24, 2014; Juneau, Alaska.

Joy, P. and D. J. Reed. 2014. Estimation of Chinook Salmon abundance and spawning distribution in the Unalakleet River 2010. Alaska Department of Fish and Game, Fishery Data Series No. 14-38, Anchorage.

Joy, P. and D. J. Reed. 2014. Estimation of Chinook Salmon abundance and spawning distribution in the Unalakleet River 2009. Alaska Department of Fish and Game, Fishery Data Series No. 14-32, Anchorage.

Joy, P., B. Scanlon and B. T. Taras. 2014. Size composition and yield potential of lake trout in Lake Louise, 2006. Alaska Department of Fish and Game, Fishery Data Series No. 14-02, Anchorage.

Joy, P., M. S. Wipfli, C. Stricker and W. Jones. 2012. Marine-nutrient assimilation in rearing coho and Chinook salmon in the Unalakleet River. Presented at the 2012 Alaska Chapter AFS Conference, October 22-26, 2012; Kodiak, Alaska.

Joy, P. 2009. Estimated abundance of northern pike in Minot Lakes, 2008. Alaska Department of Fish and Game, Fishery Data Series No. 09-79, Anchorage.

Joy, P. and D. J. Reed. 2007. Estimation of coho salmon abundance and spawning distribution in the Unalakleet River 2004 - 2006. Alaska Department of Fish and Game, Fishery Data Series No. 07-48, Anchorage.

Joy, P. and D. J. Reed. 2006. Estimation of coho salmon abundance and spawning distribution in the Unalakleet River 2005. Alaska Department of Fish and Game, Fishery Data Series No. 06-38, Anchorage.

Joy, P. J. 2006. Abundance and age and length compositions of arctic grayling in the Sinuk River, 2003. Alaska Department of Fish and Game, Fishery Data Series 06-63, Anchorage.

Joy, P., A. L. J. Brase, and D. J. Reed. 2005. Estimation of coho salmon abundance and spawning distribution in the Unalakleet River 2004. Alaska Department of Fish and Game, Fishery Data Series No. 05-38, Anchorage.

Joy, P. J. and J. M. Burr. 2004. Seasonal movement and length composition of northern pike in the Old Lost Creek drainage, 2001-2003. Alaska Department of Fish and Game, Fishery Data Series No. 04-17, Anchorage.

Joy, P. J. (2002). Anthropogenic threats to birds of southcentral and southeast Alaska: A literature review. Alaska Bird Observatory, Fairbanks, AK.

Joy, P. J. (2001) Hepatitis B in arctic ground squirrels (*Spermophylus parryi*): epidemiology and population biology. M. S. Thesis, University of Alaska Fairbanks, Fairbanks, Alaska.

Mangum, C. P. and P. J. Joy. 1997. Hemocyanin subunit in the American lobster *Homarus americanus*. Journal of Crustacean Biology 17(1):1-5.

Ou, L. T., P. J. Joy, J. E. Thomas and A. G. Hornsby. 1997. Stimulation of microbial degradation of methyl bromide in soil during oxidation of ammonia fertilizer by nitrifiers. Environmental Science and Technology 31(3): 717-722.