



THE STATE  
of **ALASKA**  
GOVERNOR MIKE DUNLEAVY

## Department of Fish and Game

OFFICE OF THE COMMISSIONER  
Headquarters Office

1255 West 8<sup>th</sup> Street  
P.O. Box 115526  
Juneau, Alaska 99811-5526  
Main: 907.465.6136  
Fax: 907.465.2332

September 13, 2021

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

Re: Nomination of Jared Weems to the Bering Sea Fishery Ecosystem Plan Team

Dear Chairman Kinneen:

I would like to nominate Mr. Jared Weems for appointment to the Council's Bering Sea Fishery Ecosystem Plan Team to replace Dr. Ben Daly who is stepping down to focus on other work priorities. Mr. Weems is a Fishery Biologist III in the Shellfish/Groundfish research group in the Westward Region and is finishing a PhD in Fisheries, focusing on blue king crab recruitment limitation in the Bering Sea. He has professional expertise in North Pacific and Arctic marine food web structure and energy transfer as well as marine zooplankton and meroplankton invertebrate taxonomy, biology, and ecology.

We feel that his BSAI crab research expertise, knowledge of BSAI crab management issues from the Westward Region, and experience on surveys and communities in the North Pacific make him an excellent candidate to round out the FEP teams' overall expertise. His CV has been attached for reference. Thank you for considering Mr. Weems appointment at the upcoming October 2021 Council meeting.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Lang".

Doug Vincent-Lang  
Commissioner

# Jared D. Weems

## Curriculum Vitae

### PROFESSIONAL ADDRESS

351 Research Court  
Kodiak, Alaska 99615  
Office Phone: (907) 486-1831  
Email: jared.weems@alaska.gov

### PERMANENT ADDRESS

4218 Cliffside Road  
Kodiak, Alaska 99615  
Cell Phone: (907) 699-1956

### EDUCATION

Ph.D. Candidate, anticipated December 2022. Fisheries, University of Alaska Fairbanks, Juneau  
M.Sc. 2011. Marine Biology, University of Alaska Fairbanks, Fairbanks  
B.S. 2008. Biology, Iowa State University, Ames  
Semester Abroad - Institute for Tropical Marine Ecology, Roseau, Dominica, 2006

### PROFESSIONAL EXPERIENCE

Fishery Biologist III – Kodiak, Alaska

Alaska Department of Fish and Game, Commercial Fisheries Division,  
Bering Sea / Aleutian Islands (BSAI) Shellfish Research  
Duration: 8/2021 – Present

Business Owner, Sole Proprietor – Kodiak, Alaska

Scientific Contractor and Pacific Halibut IFQ owner and fisher, Region 3A  
Duration: 4/2013 – Present

Research Professional I, University of Alaska Fairbanks – Juneau, Alaska

Project Manager, BOEM-funded Arctic Integrated Ecosystem Survey Phase 1 & 2  
Principle Investigator, NPRB-funded Pribilof Island Blue King Crab Recruitment  
Duration: 12/2012 – 7/2021

Fishery Biologist III – Juneau, Alaska

Alaska Department of Fish and Game, Commercial Fisheries Division,  
BSAI Shellfish Research  
Duration: 5/2013 – 9/2015 (short-term, non-consecutive BSAI king crab surveys)

Laboratory / Dive Assistant III – Carlsbad, California

University of California Santa Barbara, San Onofre Nuclear Generating Station Mitigation  
Monitoring Program  
Duration: 5/2012 – 11/2012

Deckhand – Yakutat, Alaska

The Yakutat Charter Boat Company, Inc. (YCBC), Yakutat, Alaska  
Duration: 5/2007 – 8/2007, 5/2008 – 8/2008

### PUBLICATIONS

**Weems, J.**, W. C. Long, G. L. Eckert (2020). Pribilof Islands blue king crab (*Paralithodes platypus*) recruitment limitation as a potential bottleneck to rebuilding from overfished status. NPRB Project 1608 Final Report. 40 pp.

Mueter, F. J., **J. Weems**, E. V. Farley, K. Kuletz, R. R. Lauth, M. F. Sigler (2018). Arctic Ecosystem Integrated Survey Final Report on Distribution of Fish, Crab, and Lower Trophic Communities in the Northeastern Bering Sea and Chukchi Sea. US Dept. of the Interior,

Bureau of Ocean Energy Management, Alaska OCS Region. OCS Study BOEM 2017-077. 1558 pp.

Mueter, F. J., **J. Weems**, E. V. Farley, M. F. Sigler (2017). Arctic Ecosystem Integrated Survey (Arctic Eis): Marine ecosystem dynamics in the rapidly changing Pacific Arctic Gateway. *Deep Sea Research II*, 135: 1-6.

**Weems, J.**, K. Iken, R. Gradinger, M. Wooller (2012) Carbon and nitrogen assimilation in the Bering Sea clams *Nuculana radiata* and *Macoma moesta*. *Journal of Experimental Marine Biology and Ecology*, 430-431(1): 32-42.

**Weems, J.** (2011) Carbon and nitrogen assimilation in the clams *Nuculana radiata* and *Macoma moesta* from the Bering Sea. Master of Science Thesis. University of Alaska Press.

**Weems, J.** (2011). Assessment of mortality, bleaching, and disease among stony corals and fire corals of Dominican reefs: Post-2005 Caribbean bleaching event. *BIOS*, 82(1): 1-9.

#### PRESENTATIONS

**Weems, J.**, W. C. Long, G. L. Eckert (2020) Pribilof Islands blue king crab (*Paralithodes platypus*) recruitment limitation as a potential bottleneck to rebuilding from overfished status. NPFMC Crab Plan Team. October. *Virtual Oral Presentation*

**Weems, J.**, W. C. Long, F. Mueter, A. I. Pinchuk, G. L. Eckert (2020) Alaska blue king crab: Fishing, habitat, and climate induced vice-grip on recruitment of subarctic *Paralithodes platypus*. Alaska Marine Science Symposium (AMSS). January. Anchorage, Alaska. *Oral Presentation*

**Weems, J.**, F. Mueter, E. Farley, G. Eckert, W. C. Long (2019) Arctic IES Program research update and insights on king crab recruitment. Bering Strait Science Series, UAF Northwest Campus. September. Nome, Alaska. *Oral Presentation*

**Weems, J.** (2019) Hail to the King: How rock[s] ‘n’ [ecological] role has influenced the evolution of the blues, *Paralithodes platypus*, and other king crabs. 22<sup>nd</sup> Annual AFS Student Symposium, UAF Fisheries Program. April. Juneau, Alaska. *Oral Presentation*

*St. Paul Community Public Service and Visiting Scientist Radio Program with Dr. Gordon Kruse discussing Alaska-based fisheries issues.* KUHB Radio. 30 June 2018. Moderators: **J. Weems** and L. Divine. Production Manager: Walter Gregg. St. Paul Island, Alaska. *Radio Production*

**Weems, J.**, F. Mueter, A. I. Pinchuk (2018) Three sides of the same coin: Distribution of three stages of planktonic crab larvae in the northeast Bering Sea and Chukchi Sea in 2012. AMSS. January. Anchorage, Alaska. *Poster Presentation*

**Weems, J.**, G. Eckert, W. C. Long (2018) Early life history and benthic settlement of king crabs in nearshore St. Paul Island habitats and investigation of bottlenecks in recruitment. AMSS. January. Anchorage, Alaska. *Poster Presentation*

*Will Blue King Crab Ever Rebound In The Pribilof Islands? Marine Biologist Dives For Answers.* KUCB Radio. 16 August 2017. Reporter: L. Kraegel. *Radio Production*

**Weems, J.** (2017) Early life history of crabs in Pribilof Islands nearshore habitat and potential for rebuilding of Alaskan blue king crab. North Pacific Fisheries Management Council Meeting. June. St. Paul Island, Alaska. *Oral Presentation*

**Weems, J.**, G. Eckert, F. Mueter, W. C. Long (2016) Early life history of crabs in Pribilof Islands nearshore habitat and potential for rebuilding of Alaskan blue king crab. Western Society of Naturalists (WSN) Annual Meeting. November. Monterey, California. *Poster Presentation*

**Weems, J.,** G. Eckert, F. Mueter (2016) Early life history ecology of larval and juvenile blue king crab in the U.S. Subarctic. North Pacific Marine Science Organization Annual Meeting (PICES) Northern Bering Sea Workshop. November. San Diego, California. *Oral Presentation*

*Below the Surface: Diving Deep into the Science of Maritime Change in the Arctic.* Special Production. KTOO Public Media: 360North. 1 June 2016. Miller, M., **J. Weems**, and C. Snyder (Producers). *Television Production*

**Weems, J.,** G. Eckert, F. Mueter (2016) Early life history ecology of larval and juvenile blue king crab in the U.S. Subarctic. 20<sup>th</sup> Annual AFS Student Symposium, UAF Fisheries Program. April. Juneau, Alaska. *Oral Presentation - 2<sup>nd</sup> Place Award for Introduction*

**Weems, J.,** F. Mueter, M. Sigler, S. Danielson, K. Howard, J. Murphy (2015) Arctic Eis and marine ecosystem dynamics in the northeastern Bering and Chukchi Seas: An emerging picture of salmonids at sea. *Oral Presentation.* Western Alaska Interdisciplinary Science Conference (WAISC). April. Bethel, Alaska.

**Weems, J.** and S. Jewett (2014) Western Aleutian Islands nearshore marine invertebrate and fish trophic level analysis using  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  stable isotopes. *Poster Presentation,* American Academy of Underwater Sciences (AAUS) Annual Conference. September. Sitka, Alaska.

**Weems, J.,** F. Mueter, L. Eisner, A. Pinchuk, E. Farley, R. Lauth, A. Andrews, K. Howard, K. Kuletz (2014) Fish and shellfish in the Chukchi Sea: Status, trends, and outlook. *Oral Presentation.* WAISC Conference. April. Kotzebue, Alaska.

**Weems, J.,** F. Mueter, L. Eisner, A. Pinchuk, E. Farley, R. Lauth, A. Andrews, K. Howard, K. Kuletz (2014) Arctic Eis: An Integrated Survey of the northern Bering and Chukchi Seas. *Oral Presentation.* Alaska Forum on the Environment. February. Anchorage, Alaska.

**Weems, J.,** F. Mueter, E. Farley, R. Lauth, M. Sigler, A. Andrews (2013) Arctic Eis: An Integrated Survey of the northern Bering and Chukchi Seas. *Oral Presentation.* WAISC Conference. March. Nome, Alaska.

**Weems, J.** (2011) Carbon and nitrogen assimilation and turnover in Bering Sea shelf clams and implications for regional ice-pelagic-benthic coupling. *Master of Science Oral Defense.* April. Fairbanks, Alaska.

#### COMMUNITY OUTREACH IN SCIENCE

- Nome Anvil City Science Academy - In-class instruction, local project coordination, and research vessel visit – 2019
- St. Paul Island Ecosystem Conservation Office (ECO) Summer Camp – Visiting instructor of annual K-8 science camps, 2016-2019
- St. Paul Island School District Bering Sea Days – Visiting instructor in K-12 classrooms on local marine science and king crabs, 2016 & 2018
- Tenakee Springs School District – visiting instructor, 2017 & 2018
- Juneau Annual Spooktacular Dive and Underwater Pumpkin Carving Competition – Organizer of public event – 2014-Present
- Single visits to K-12 classrooms of Nome, Unalaska, and Juneau around cruises
- Social media and website development for my various scientific projects

#### PROFESSIONAL EXPERTISE

- North Pacific and Arctic marine food web structure and energy transfer
- Marine zooplankton and meroplankton invertebrate taxonomy, biology, and ecology

- Oceanographic, fisheries, and scientific diving research techniques
- Stable isotope biogeochemistry

#### **AWARDS AND APPOINTMENTS**

- UAF-CFOS Graduate Student Fisheries Faculty Representative, 2017-2020
- UAF-CFOS Graduate Student UA Diving Control Board Member, 2016-2020
- UAF BLaST Program Mentor of UAS Undergraduate Student Danielle Lowrey, 2019, Award amount: \$5,000
- NPRB Grant #1608 Pribilof Islands blue king crab recruitment limitation, 2016-2019, PIs: Jared Weems, Dr. Ginny Eckert, Dr. W. Chris Long, Award amount: \$284,052
- Sole Proprietor NOAA awarded contracts, 2013-2016, Award amount: \$63,000
- UAF Center for Global Change Grant, 2009, Award amount: \$10,000
- Student Conservation Association (SCA) Internship and AmeriCorps Volunteer, 2005 Summer Backcountry Patrol Intern for Wrangell-St. Elias National Park / Glacier Bay National Park serving the Yakutat, Alaska Regional Office, Award amount: \$1,000 (plus monthly living stipend)

#### **SKILLS AND CERTIFICATIONS**

- United States Citizen, State of Alaska Resident and Vehicle/Motorcycle License
- United States Selective Service Registration
- Cold Water Safety Training Course Certification, AMSEA 2012-2021
- First Aid / CPR / AED / Emergency Oxygen Certification, 2009-2021
- SCUBA Diving Certifications: (> 500 dives) - American Academy of Underwater Sciences (AAUS, 378 dives), Advanced Open Water, Nitrox, Ice/Over-head Environment, Dry Suit
- Computing Software: R Programming, ArcGIS, SYSTAT, MATLAB, Ocean Data View, Microsoft Office Suite, Adobe Illustrator and Inkscape, HTML
- Equipment Operator: large marine and farm machinery, 30ft charter boats, skiffs, ATV / motorcycle, firearms training, chainsaw, OAW and SMAW welding, wiring, automotive

#### **AT-SEA EXPERIENCE**

Scientific Vessel – Employer & Position – Dates

- F/V Patricia Lee – ADF&G AIGKC Fishery Biologist III – Sep 2021
- R/V Ishkeen – UAF Research Biologist / Diver – Aug 2014, Sep 2020
- R/V Sikuliaq – UAF Research Biologist – Nov 2019
- R/V Ocean Starr – UAF Research Biologist – Sep 2019
- R/V Luna – UAF Research Biologist / Diver – Jun Jul Aug 2016-2019
- F/V Northwest Explorer – UAF Research Biologist – Sep 2017
- F/V Patricia Lee – ADF&G AIGKC Fishery Biologist III – Aug 2016
- F/V Vixen – ADF&G Adak RKC Fishery Biologist III – Sep 2015
- F/V Early Dawn – ADF&G AIGKC Fishery Biologist III – Aug 2015
- F/V Northwest Explorer – NOAA Contracted Biologist – Jul 2015, 2016
- R/V Norseman II – UAF Research Biologist – Aug 2014
- F/V Aleutian No.1 – ADF&G WAG-GKC Fishery Biologist III – Apr 2014
- F/V Bristol Explorer – UAF/NOAA Contracted Biologist – Aug Sep 2013
- F/V Ocean Hope III – ADF&G BBRKC Fishery Biologist III – Jun 2013

- R/Vs REDX & Romulan – UCSB Research Biologist / Diver – Jun Oct 2012
  - F/V Aleutian Mariner – Saltwater Inc. SMBKC Shellfish Observer – Nov Dec 2011
  - F/V North Sea – Saltwater Inc. BBRKC Shellfish Observer – Oct Nov 2011
  - R/V Norseman – UAF Research Biologist / Diver – Jul 2011
  - USCGC Polar Sea – UAF Research Biologist – Mar Apr 2010
  - R/V Professor Khromov – UAF Research Biologist – Sep 2009
  - R/V Knorr – UAF Research Biologist – Jul 2009
  - USCGC Healy – UAF Research Biologist – Mar Apr May 2009
- Fisheries Vessel – Employer & Position - Dates
- F/V Tradition - IFQ owner and fisher – 2016 - Present
  - F/V Destiny – YCBC Commercial Long-Line Pacific halibut deckhand – May 2007, 2008
  - F/V Quest – YCBC Sportfish Pacific halibut / salmon deckhand – May Aug 2007, 2008

**PROFESSIONAL REFERENCES**

- Dr. Franz Mueter, Professor, University of Alaska Fairbanks, College of Fisheries and Ocean Sciences, 315 Lena Point, 17101 Point Lena Loop Road, Juneau, AK 99801-8344, Email: fmueter@alaska.edu, Phone: (907) 796-5448
- Dr. Ginny Eckert, Professor, University of Alaska Fairbanks, College of Fisheries and Ocean Sciences, 221 Lena Point, 17101 Point Lena Loop Road, Juneau, AK 99801-8344, Email: gleckert@alaska.edu, Phone: (907) 796-5450
- Dr. Ben Daly, Fisheries Biologist IV, Alaska Department of Fish and Game, Commercial Fisheries Division, 351 Research Court, Kodiak, AK 99615, Email: ben.daly@alaska.gov, Phone: (907) 486-1865