



THE STATE  
of **ALASKA**  
GOVERNOR BILL WALKER

B1 Gaeuman CPT Nomination  
December 2017

**Department of Fish and Game**

OFFICE OF THE COMMISSIONER  
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November 27, 2017

Mr. Dan Hull, Chair  
North Pacific Fishery Management Council  
605 West 4<sup>th</sup> Avenue, Suite 306  
Anchorage, Alaska 99501

Dear Chairman Hull:

I would like to nominate Mr. Bill Gaeuman for appointment to the Council's Crab Plan Team to replace Ms. Laura Slater. Mr. Gaeuman is a Biometrician in the Westward Region focusing on Bering Sea Aleutian Islands shellfish stocks, and statewide scallop biometrics. He is currently responsible for the Pribilof Island golden king crab stock assessment, and previously was the St. Matthew Island blue king crab stock assessment author. Bill is currently working to incorporate survey data into the Aleutian Islands golden king crab stock assessment model. In addition, Bill was previously the Department's Crab Observer Biometrician, and participated in Crab Plan Team meetings providing Crab Observer data analysis. With Bill's past involvement and familiarity with the Crab Plan Team, his strong mathematical/statistical background and understanding of the complex stock assessments, he will be a valuable addition to the Crab Plan Team.

Thank you for considering his appointment at the upcoming December 2017 Council meeting, attached is his CV for your review.

Sincerely,

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

Sam Cotten  
Commissioner

## William Gaeuman

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P.O. Box 1851 • Kodiak, AK 99615 • (907) 486-1861 • william.gaeuman@alaska.gov

### Employment/Experience

**Marine Biometrician II**, July 2017 – present.

Alaska Department of Fish and Game, Kodiak, AK.

**Mathematics Instructor** (fixed-term 0.80 FTE), Sept 2016 – June 2017.

Eastern Oregon University, La Grande, OR.

**Biometrician II** (BSAI Crab Observer Biometrician), 2009 – 2015.

Alaska Department of Fish and Game, Kodiak, AK.

**Graduate Research Assistant/Independent Statistical Consultant**, 2004 – 2009.

Oregon State University, Corvallis, OR.

**Mathematics Instructor**, 2001 – 2004.

Clatsop Community College, Astoria, OR.

**Graduate Teaching Assistant/Adjunct Mathematics Instructor**, 1990 – 2001.

University of Montana, Missoula, MT.

**Peace Corps Teacher.**

Kandep Provincial High School, Papua New Guinea, 1989 – 1990.

Bilingual High School of Yaounde, Cameroon, 1984 – 1986.

**Graduate Teaching Assistant in Mathematics**, 1986 – 1988.

Ohio State University, Columbus, OH.

### Education

**Doctoral Studies in Statistics**, 2006 – 2009.

Oregon State University, Corvallis, OR.

*Completed Ph.D. coursework and preliminary exams working under guidance of Don Stevens in the area of sampling theory and probability survey design with particular focus on adaptive sampling. Left program to take position as biometrician with ADF&G in Kodiak, AK.*

**M.S. Statistics**, 2006.

Oregon State University, Corvallis, OR.

**Graduate Studies/Secondary Teaching Certification in Mathematics**, 1990 – 1995.

University of Montana, Missoula, MT.

**M.S. Mathematics**, 1988.

Ohio State University, Columbus, OH.

**B.A. Philosophy**, *magna cum laude*, 1982.

Colorado College, Colorado Springs, CO.

**Scholarship Study Abroad**, academic year 1980 – 1981.  
University of Göttingen, Germany.

### Selected Reports/Publications

Gaeuman, W.B. 2015. Summary of the 2013/14 mandatory crab observer program database for the Bering Sea/Aleutian Islands commercial crab fisheries. Alaska Department of Fish and Game, Fishery Data Series No. 13-54, Anchorage.

Gaeuman, W.B. 2014. Saint Matthew Island blue king crab. In: Stock Assessment and Fishery Evaluation Report for the King and Tanner Crab Fisheries of the Bering Sea and Aleutian Islands Regions. North Pacific Fishery Management Council, Anchorage.

Gaeuman, W.B. 2011. Biodegradable twine report to the Alaska Board of Fisheries. Alaska Department of Fish and Game, Fishery Data Series No. 11-03, Anchorage.

Anlauf, K.J., **W.B. Gaeuman**, and K.K. Jones. 2011. Detection of regional trends in salmonid habitat in coastal streams, Oregon. Transactions of The American Fisheries Society. 140: 52-66.

Miller, R.E., J.D. McIver, S.W. Howes and **W.B. Gaeuman**. 2010. Assessment of soil disturbance in forests of the interior Columbia River basin: a critique. Gen. Tech. Rep. PNW-GTR-811. Portland, OR: USFS, Pacific Northwest Research Station.

Jacobs, S.E., **W.B. Gaeuman**, M.A. Weeber, S.L. Gunckel, and S.J. Starcevich. 2009. Utility of a probabilistic sampling design to determine bull trout population status using redd counts in basins of the Columbia River plateau. North American Journal of Fisheries Management. 29: 1590-1604.

### Selected Talks

Estimation of post-weir escapement by bootstrap simulation with elicited prior distribution on end-run timing. Aug 2014. Annual Meeting of the Alaska Chapter of the American Statistical Association, Chena Hot Springs, AK.

Estimation of scallop abundance using high-resolution benthic image data. June 2013. Annual Conference of The International Environmetrics Society, Anchorage, AK.

Deadliest statistics: the Saint Matthew Island blue king crab stock assessment model. Feb 2011. Oregon State University Department of Statistics Research Seminar, Corvallis, OR.

Trend analysis in the context of design based sampling of spatially distributed resources. May 2009. Oregon State University Department of Statistics Research Seminar, Corvallis, OR.

Conventional and adaptive designs for estimating bull trout redd abundance. June 2008. Annual Conference of The International Environmetrics Society, Kelowna, B.C.

Estimating trend in Oregon coastal coho salmon populations using a multi-panel sampling design. Sept 2005. EPA STAR Grant Meeting, Corvallis, OR.

Additional

- Science Team Member, joint ADF&G/industry AIGKC pot survey. Aug 2017.
- Intensive Spanish Language Study in Ecuador. May and June 2015.
- ADF&G Crab Observer Training. Fall 2009.
- ADF&G Crab Observer Deployment. Fall 2009, Winter 2010, Fall 2012.
- Science Team Member, NMFS eastern Bering Sea shelf trawl survey. July 2011.
- Past professional reviewer for *Environmetrics*, *ICES Journal of Marine Science*, *Seafood Watch*.
- Capable programmer familiar with multiple programming environments/software tools.
- Working knowledge of both Spanish and German language.