

John K. Best

GRADUATE RESEARCH ASSISTANT

Quantitative Ecology & Resource Management, University of Washington

+1 315 440 8420 | jkbest@uw.edu | www.posdefecology.net | 0000-0002-8920-0900 | [jkbest2](#) | [isposdef](#)

Education

Clarkson University

BS BIOLOGY & PHYSICS

Potsdam, NY

September 2004 - May 2008

University of Fairbanks

MS STATISTICS

Fairbanks, AK

August 2014 - May 2016

University of Washington

PHD QUANTITATIVE ECOLOGY & RESOURCE MANAGEMENT

Seattle, WA

August 2016 -

Publications

- Zerbini, A. N., Adams, G., Best, J., Clapham, P. J., Jackson, J. A., & Punt, A. E. (2019). Assessing the recovery of an Antarctic predator from historical exploitation. *R. Soc. Open Sci.*, 6(10), 190368. <https://doi.org/10.1098/rsos.190368>
- Kapur, M. S., Siple, M. C., Olmos, M., Privitera-Johnson, K. M., Adams, G., Best, J., Castillo-Jordán, C., Cronin-Fine, L., Havron, A. M., Lee, Q., Methot, R. D., & Punt, A. E. (2021). Equilibrium reference point calculations for the next generation of spatial assessments. *Fisheries Research*, 244, 106132. <https://doi.org/10.1016/j.fishres.2021.106132>
- Best, J. K., & Punt, A. E. (2020). Parameterizations for Bayesian state-space surplus production models. *Fisheries Research*, 222, 105411. <https://doi.org/10.1016/j.fishres.2019.105411>

Funding

NMFS-Sea Grant Joint Fellowship in Population and Ecosystem Dynamics

IMPROVING SPATIOTEMPORAL INDICES OF ABUNDANCE WITH FISHERY-DEPENDENT AND -INDEPENDENT DATA

\$120,000

2019 - 2022

Service

- Served as peer reviewer for *Fisheries Research*, *ICES Journal of Marine Sciences*, *Progress in Oceanography*, and *Aquatic Ecology*
- Co-organizer of the 2022 University of Washington College of the Environment Research Derby
- Co-organizer of the University of Washington Department of Statistics Spatiotemporal Reading Group

Talks

CAPAM Spatio-temporal modelling mini-workshop

FISHERY-DEPENDENT DATA IN A SPATIOTEMPORAL CONTEXT

La Jolla, CA

March 28, 2018

International Statistical Ecology Conference 2018

STANDARDIZING SPATIALLY EXPLICIT FISHERY CATCH DATA

St. Andrews, Scotland

July 5, 2018

Joint Statistical Meeting 2018

NONSTATIONARITY IN SPATIOTEMPORAL FISHERIES MODELS

Vancouver, WA

July 30, 2018

Think Tank

REPARAMETERIZING BAYESIAN STATE-SPACE MODELS FOR MORE RELIABLE FITS

Seattle, WA

November 13, 2018

Think Tank

COMBINING FISHERY-INDEPENDENT AND -DEPENDENT OBSERVATIONS IN A SINGLE INDEX OF ABUNDANCE

Seattle, WA

October 29, 2019

SAFS Graduate Student Symposium

PARAMETERIZATIONS FOR BAYESIAN STATE-SPACE SURPLUS PRODUCTION MODELS

Seattle, WA

November 14, 2019

SAFS Graduate Student Symposium

CATCHABILITY AS A SPATIOTEMPORAL RANDOM EFFECT FOR STANDARDIZING FISHERY-DEPENDENT DATA

Seattle, WA

November 12, 2020

Statistics 2021 Canada

AN INDEX OF ABUNDANCE COMBINING FISHERY-INDEPENDENT AND -DEPENDENT OBSERVATIONS ALLOWING FOR SPATIALLY VARYING CATCHABILITY

Montreal, Canada (v)

July 16, 2021

World Fisheries Conference 2021

AN INDEX OF ABUNDANCE COMBINING FISHERY-INDEPENDENT AND -DEPENDENT OBSERVATIONS ALLOWING FOR SPATIALLY VARYING CATCHABILITY

Adelaide, Australia (v)

September 21, 2021

SAFS Graduate Student Symposium

SPATIALLY VARYING CATCHABILITY FOR INDICES OF ABUNDANCE THAT INCLUDE FISHERY-DEPENDENT DATA

Seattle, WA

November 4, 2021

2022 Sea Grant-NMFS Fellowship Symposium

SPATIALLY VARYING CATCHABILITY FOR INDICES OF ABUNDANCE THAT INCLUDE FISHERY-DEPENDENT DATA

(v)

December 2, 2021