Kara J. Anlauf-Dunn

Email: Kara.Anlauf-Dunn@oregonstate.edu / kjanlauf@gmail.com

EDUCATION

Masters of Science in Fisheries Resources - University of Idaho (Moscow, ID) 2005
Thesis: *Understanding the ecology of whirling disease through modeling of the
tubificid host*

Bachelors of Science in Biology - Boise State University (Boise, ID) 2001

EMPLOYMENT

Program Analyst - Oregon Department of Fish and Wildlife, Conservation and 2012-Present
Recovery Program, Corvallis Research Lab (Corvallis, OR)

Project Leader - Oregon Department of Fish and Wildlife, Conservation and 2005-2012
Recovery Program, Corvallis Research Lab (Corvallis, OR)

Research Assistant – USGS/BRD/Gap Analysis Program (Moscow, ID) 2004-2005

Graduate Research Assistant – University of Idaho, Department of Fish and Wildlife 2003-2005
(Moscow, ID)

Research Assistant – University of Idaho, Center for Ecohydraulics Research 2002-2003
(Boise, ID)

Fisheries Technician – USDA Forest Service, Rocky Mountain Research Station, 1998-2001
(Boise, ID)

Professional Societies and Services

American Fisheries Society 2002-Present
 Oregon Chapter 2006-Present
 Idaho Chapter 2002-2005
 Palouse Student Unit 2002-2005
Webmaster, Oregon Chapter of the American Fisheries Society 2006-2013

Peer-Reviewed Publications

**Anlauf-Dunn, K.J**., E.J. Ward, M. Strickland, K.K. Jones. 2014. Habitat connectivity, complexity and quality: Predicting adult coho salmon occupancy and abundance. *Canadian Journal of Fisheries and Aquatic Sciences*, 10.1139/cjfas-2014-0162.

Kim K. Jones , **Kara Anlauf-Dunn** , Paul S. Jacobsen , Matt Strickland , Lora Tennant & Sharon E. Tippery. 2014. Effectiveness of Instream Wood Treatments to Restore Stream Complexity and Winter Rearing Habitat for Juvenile Coho Salmon, *Transactions of the American Fisheries Society*, 143:2, 334-345.

E.A. Steel, D.W. Jensen, K.M. Burnett, K. Christiansen, J.C. Firman, B.E. Feist, **K.J. Anlauf**, D.P. Larsen. 2012. Landscape characteristics and coho salmon (*Oncorhynchus kisutch*) distributions: explaining abundance versus occupancy. *Canadian Journal of Fisheries and Aquatic Sciences*, *69*(3), 457-468.

Ward, E. J., Pess, G. R., **Anlauf-Dunn, K**., & Jordan, C. E. 2012. Applying time series models with spatial correlation to identify the scale of variation in habitat metrics related to threatened coho salmon (Oncorhynchus kisutch) in the Pacific Northwest. *Canadian Journal of Fisheries and Aquatic Sciences*, *69*(11), 1773-1782.

Firman, J. C., Steel, E. A., Jensen, D. W., Burnett, K. M., Christiansen, K., Feist, B. E., **Anlauf, K.** 2011. Landscape models of adult coho salmon density examined at four spatial extents. *Transactions of the American Fisheries Society*, *140*(2), 440-455.

**Anlauf, K. J.**, Jensen, D. W., Burnett, K. M., Steel, E. A., Christiansen, K., Firman, J. C., Larsen, D. P. 2011. Explaining spatial variability in stream habitats using both natural and management‐influenced landscape predictors. *Aquatic Conservation: Marine and Freshwater Ecosystems*, *21*(7), 704-714.

**Anlauf, K. J.**, Gaeuman, W., & Jones, K. K. 2011. Detection of regional trends in salmonid habitat in coastal streams, Oregon. *Transactions of the American Fisheries Society*, *140*(1), 52-66.

**Anlauf, K. J.**, & Moffitt, C. M. 2010. Modelling of landscape variables at multiple extents to predict fine sediments and suitable habitat for *Tubifex tubifex* in a stream system. *Freshwater biology*, *55*(4), 794-805.

**Anlauf, K. J.**, & Moffitt, C. M. 2008. Models of stream habitat characteristics associated with tubificid populations in an intermountain watershed. *Hydrobiologia*, *603*(1), 147-158.

Manuscripts in Review or in Preparation

Ron Constable, Kim K. Jones, **Kara Anlauf-Dunn**, Eric Suring, and Matt Weeber. Incorporating life stage specific abundance and survival to improve models predicting the return of adult coho salmon (*Onchorynchus kisutch*) to the Oregon coast. *In prep.*

Stephanie Miller, Peter Eldred, Ariel Muldoon, **Kara Anlauf-Dunn**, Charlie Stein, Shannon Hubler, Lesley Merrick, Chad Larson, Andy Rehn, Peter Ode, Nick Haxton. A large-scale, multiagency approach to defining a reference network for Pacific Northwest Streams. *In review*.

E. A. Steel, A. Muldoon, R. Flitcroft, J.C. Firman, **K.J. Anlauf-Dunn**, K. Christiansen, K.M. Burnett. Landscapes, current land-use, and legacies of land-use past: Building a better understanding of the distribution of juvenile coho salmon (*Oncorhynchus kisutch*) and their habitats along the Oregon Coast, USA. *In review*.

Technical Reports and Proceedings

**Anlauf-Dunn, K.J.** and S. Tippery. Stream Habitat Conditions in the Lower Columbia, OR, 2006-2015. OPSW-ODFW-2015-X, Oregon Department of Fish and Wildlife, Salem. *In prep.*

**Anlauf-Dunn, K.J.** and K.K. Jones. 2012. Stream Habitat Conditions in Western Oregon, 2006-2010. OPSW-ODFW-2012-5, Oregon Department of Fish and Wildlife, Salem.

Tippery, S., K.K. Jones, **K.J. Anlauf**, C.H. Stein, M. Strickland. 2010. Effectiveness Monitoring Report for the Western Oregon Stream Restoration Program, 1999-2008.  Monitoring Program Report Number OPSW-ODFW-2010-6, Oregon Department of Fish and Wildlife, Salem, Oregon.

**Anlauf, K.J.**, K.K. Jones, C.H. Stein. 2009. The status and trend of physical habitat and rearing potential in coho bearing streams in the Oregon Coastal Coho Evolutionary Significant Unit. OPSW-ODFW-2009-5, Oregon Department of Fish and Wildlife, Salem.

**Anlauf, K.J.** and K.K. Jones. 2007.  Stream Habitat Conditions in Western Oregon, 2005. Monitoring Program Report Number OPSW-ODFW-2007-05, Oregon Department of Fish and Wildlife, Salem, Oregon.

Jacobsen, P.S., K.K. Jones, **K.J. Anlauf**. 2007. 2002-2005 Effectiveness Monitoring for the Western Oregon Streams Restoration Program. Monitoring Program Report Number OPSW-ODFW-2007-06, Oregon Department of Fish and Wildlife, Salem, Oregon.

**Anlauf, K**., Jones, K., Stein, C., & Kavanagh, P. 2006. Lower Columbia River Basin coho salmon habitat assessment: Status of habitat and production potential and capacity for coho salmon. *Oregon Department of Fish and Wildlife, Corvallis, OR*.

**Anlauf, K.**, K. Jones, C. Stein, and P. Kavanagh. 2005. Lower Columbia River Coho Assessment: Habitat status and production potential and capacity for coho salmon. Conservation and Recovery Program, Oregon Department of Fish and Wildlife, Corvallis.

**Anlauf, K. J.**, Moffitt, C. M., Colvin, M. E., & Rieman, B. E. 2004. Understanding the Ecology of Whirling Disease through Modeling of Tubificid Habitat. In *2004 Whirling Disease Symposium Proceedings*.

Selected Presentations

*Perspectives from long-term monitoring: Evaluating status and trends in fish habitat* 2015
forest ownerships in Oregon’s coastal watersheds
National Council for Air and Stream Improvement Annual Meeting,
Vancouver, WA, USA

*Oregon Plan Habitat Monitoring: What we have learned* 2013
ODFW Science and Restoration Workshop.

*Relationships between landscape characteristics, coho salmon, and their* 2011
*channel habitat: spatial extent, spatial variability, and modeling species occupancy*
National American Fisheries Society Annual Meeting, Seattle, WA, USA

*Monitoring trend in coastal watersheds in Oregon, USA* 2008
The International Environmetrics Conference, Kelowna, Canada
Western Division American Fisheries Society Annual Meeting, Portland, OR, USA 2008

*Understanding the ecology of whirling disease through modeling of tubificid habitat* 2004
Western Division of the American Fisheries Society Meeting, Salt Lake City, UT

Teaching Experience

Instructor – Environmental Professional Program, Portland State University 2013-Present

Riparian and Floodplain Ecology Teaching Assistant – University of Idaho 2004

Awards and Scholarships

Oregon Department of Fish and Wildlife Award of Excellence 2012

Oregon Department of Fish and Wildlife Pride Award 2011

Oregon Chapter of the American Fisheries Society Award of Merit 2010

Recipient of the Mathew Clow scholarship 2003 & 2004