

Ryan A. Peek

PhD Candidate, Ecology, UC Davis

1000 Tulip Lane · Davis · CA 95618

✉ rapeek@ucdavis.edu  [ryanpeek](https://github.com/ryanpeek)  [ryanpeek.github.io](https://github.com/ryanpeek) | Updated: September 29, 2017

EDUCATION

University of California, Davis, Ph.D. candidate Ecology	expected 2018
University of San Francisco, M.S. Biology	2010
University of California, Davis, B.S. Wildlife, Fish, & Conservation Biology	2002

EMPLOYMENT

Center for Watershed Sciences, UC Davis:

Graduate Student Researcher	2014–present
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Jr. Research Specialist	2011–2014
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USDA Forest Service, Pacific Southwest Research Station:

Biological Science Technician	2010
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Stillwater Sciences:

Fish & Wildlife Biologist	2002—2011
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National Park Service (Sequoia & Kings Canyon):

Biological Science Technician	2001
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TEACHING

<i>Instructor, Software/Data Carpentry</i>	2016
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Teach researchers in science, engineering, medicine, and related disciplines the computing skills they need to get more done using open source and reproducible tools. Taught ecology/natural science workshops at UC Davis, UC Berkeley, and University of Rhode Island Coastal Institute. (<http://software-carpentry.org/>) (<http://www.datacarpentry.org/>)

<i>Co-Instructor, Ecogeomorphology, University of California Davis</i>	2015
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Taught undergraduate course in multidisciplinary collaborative watershed and stream analysis through combined laboratory and field study of the Tuolumne Watershed. Guided, lectured, and taught in classroom, lab, and field.

PUBLICATIONS

Journal Articles

Steel, A.E., R.A. Peek, R.A. Lusardi, S.M. Yarnell. 2017. "Associating Metrics Of Hydrologic Variability With Benthic Macroinvertebrate Communities In Regulated And Unregulated Snowmelt-Dominated Rivers." *Freshwater Biology* 1—15. DOI: 10.1111/fwb.12994.

Yarnell, S., R. Peek, G. Epke and A. Lind. 2016. "Management of the Spring Snowmelt Recession in Regulated Systems." *JAWRA Journal of the American Water Resources Association* 52(3): 723–736.

Grantham, T., K. Fesenmeyer, R. Peek, E. Holmes, A. Bell, R. Quiñones, N. Santos, J. Howard, J. Viers, P. Moyle. 2016. "Missing the boat on freshwater fish conservation in California." *Conservation Letters* 10.1111/conl.12249.

Howard, J.K., K.R. Klausmeyer, K.A. Fesenmyer, J. Furnish, T. Gardali, T. Grantham, J.V. Katz, S. Kupferberg, P. McIntyre, P.B. Moyle, P.R. Ode, R. Peek, R.M. Quinones, A.C. Rehn, N. Santos, S. Schoenig, L. Serpa, J.D. Shedd, J. Slusark, J.H. Viers, A. Wright and S.A. Morrison. 2015. "Patterns of Freshwater Species Richness, Endemism, and Vulnerability in California." *PLoS One* 10(7): e0130710.

Other Publications

Yarnell, S.M, R.A. Peek, D.E. Rheinheimer, A.J. Lind, and J.H. Viers. 2013. "Management of the Spring Snowmelt Recession: An Integrated Analysis of Empirical, Hydrodynamic, and Hydropower Modeling Applications." Final Report. California Energy Commission. Publication number: CEC-500-2013. 137 pp.

Viers, J.H., SE Purdy, R.A. Peek, A. Fryoff-Hung, N.R. Santos, J.V.E. Katz, J.D. Emmons, D.V. Dolan, and S.M. Yarnell. 2013. "Montane Meadows in the Sierra Nevada: Changing Hydroclimatic Conditions and Concepts for Vulnerability Assessment." Center for Watershed Sciences Technical Report (CWS-2013-01), University of California, Davis. 63 pp.

Peek, R. 2010. "Landscape Genetics of Foothill Yellow-legged Frogs (*Rana boylei*) in regulated and unregulated rivers: Assessing connectivity and genetic fragmentation." Master's Thesis, Biology Department. University of San Francisco, CA. 69 pp.

PRESENTATIONS

2016. Peek, R., S. Yarnell, D. Waetjen, D. Weixelman. "Using and Updating the UC Sierra Nevada Meadows Data Clearinghouse: Leveraging Remote Sensing and Field Data to Assess Resiliency." Natural Areas Conference, Davis 18–20 Oct.

2016. Peek, R., H. Dahlke, and S. Yarnell. "Linking Water Source Signatures with Native Amphibian Breeding Timing in a Northern Sierra Nevada Watershed." Society for Freshwater Science Annual Meeting, Sacramento 21–26 May.

PUBLIC MEDIA

"The Aggie Brickyard." Co-Founder & Design Editor, 2015–present. (<https://aggiebrickyard.github.io>)

"Nature's Confluence Blog" Contributing Writer, 2015–present. (<http://www.naturesconfluence.com>)

AWARDS

2016 *Best Oral Presentation for Basic Research*, Society for Freshwater Science Annual Conference, Sacramento CA

2015 *Henry A. Jastro Research Award*, UC Davis College of Agricultural and Environmental Sciences

PROFESSIONAL AFFILIATIONS & SERVICE

- Software & Data Carpentry Instructor | Undocu-Ally Educator
- Davis R-Users Group - Co-Administrator (<https://d-rug.github.io/>)
- American Society of Ichthyologists and Herpetologists (ASIH)
- Society for Study of Amphibians and Reptiles (SSAR)
- Ecology Society of America (ESA) | Society for Freshwater Science (SFS)
- Whitewater Rafting Guide, Outdoor Adventures, UC Davis, 2013–present