

# Ryan A. Peek

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## 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