

## **Postdoc position available in Ecohydrology and Processed-Based Restoration**

1 Postdoctoral Research Associate Position in Ecohydrology and Processed-Based Restoration at University of California Davis, Center for Watershed Sciences, Davis, CA

Background Info: A collaborative research team from UC Davis Center for Watershed Sciences and the Department of Wildlife, Fish, and Conservation Biology seeks applicants for a postdoctoral research associate, for one year with the potential for renewal for an additional year. The research is supported by the California Department of Fish and Wildlife. The successful candidate will help execute and guide a collaborative data synthesis project aimed at improving drought resiliency in rivers in northern California by understanding the effects of beaver and beaver dam analogs on both the life history of native fishes and stream hydrology. The candidates will have the opportunity to interact extensively with resource biologists at CDFW and a team of researchers using processed-based restoration to improve drought resilience in freshwater ecosystems.

Position Description: The ideal candidate for the postdoc will have a strong background in stream hydrology and fish ecology. The candidate will be responsible for measuring streamflow and water quality conditions, conducting instream habitat assessments, sampling native fishes, and analyzing otoliths to assess fish growth and life history timing. The candidate will conduct statistical analysis to relate environmental covariates to fish response variables (e.g., growth) with an emphasis on streamflow dynamics and native fish habitat diversity. A primary goal of the project will be to understand how beaver and beaver dam analogs potentially affect drought resiliency and native fish life history. The candidate will prepare at least one peer-reviewed publication and will also have opportunities to explore independent lines of research inquiry. The candidate will be based at the Center for Watershed Sciences at UC Davis.

Minimum qualifications: PhD in ecology, hydrology, fish ecology, water resources engineering, or related field.

Preferred qualifications: Preference will be given to applicants with 1) expertise in ecohydrology, fish ecology, and/or hydrology; 2) strong communication and organizational skills; 3) have experience with ecological data analysis and modeling, especially in R programming language; 4) exceptional data management skills and interest in transparent and reproducible science; and 4) a strong publication record or the potential for developing one. Our team believes in and values the power of diversity, thus applicants from historically underrepresented groups are strongly encouraged to apply.

Salary: Commensurate with qualifications and experience.

### **Application Process**

Interested candidates should submit:

- a) a one-page cover letter,
- b) your CV, and
- c) names and contact information of at least two references familiar with your work.

Please submit materials to Dr. Robert A. Lusardi ([ralusardi@ucdavis.edu](mailto:ralusardi@ucdavis.edu)), with “Ecohydrology and Beaver Postdoc application” in the subject, as applicable. Applications will be reviewed as they arrive, and the position will remain open until filled. Email any questions to Dr. Robert Lusardi ([ralusardi@ucdavis.edu](mailto:ralusardi@ucdavis.edu)) or Dr. Sarah Yarnell ([smyarnell@ucdavis.edu](mailto:smyarnell@ucdavis.edu)). Positions will remain open until filled with a preferred start date of September 1, 2023.