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**Job Announcement: Research Hydrologist**

**GS-1315-11/12**

**Reply Due: 10 April 2014**

Applications are invited for a Postdoctoral research position in Hydrology with the USDA Forest Service, Pacific Southwest Research Station (PSW) in Davis, CA. The postdoc will be working with a team of federal, state, and university scientists and land managers to understand the short- and long-term impacts of modern forest management practices on key watershed processes in coastal redwood forests. The successful candidate will be responsible for designing and implementing a third large-scale experiment to assess stream flow, sediment production, and other hydrologic processes following logging operations at the Caspar Creek Experimental Watersheds in northwestern California. Established in 1962, the Caspar Creek watershed studies are a cooperative research effort between PSW and the California Department of Forestry and Fire Protection (CAL FIRE) and are known worldwide as authoritative sources of knowledge on the cumulative effects of forest practices on water delivery and erosion processes. The watersheds are among few in the United States with continuous streamflow and sediment record of more than five decades, and offer a unique opportunity for creative research. More information on the PSW Research Station and the Caspar Creek studies can be found at <http://www.fs.fed.us/psw/> and <http://www.fs.fed.us/psw/topics/water/caspar/>.

We are looking for an exceptional candidate who has a Ph.D. in hydrology, forest science, geomorphology, or a related field. Applicants should have academic training and field experience in forest hydrology and watershed sciences, as well as experience in wildland watershed runoff processes, watershed sediment generation, and cumulative watershed effects. The position requires (1) knowledge and skills in quantitative analyses of hydrologic, atmospheric, and climatic data, and (2) knowledge and skill in streamflow, atmospheric, and climatic measurement equipment and techniques. Applicants should have a demonstrated ability to independently conduct field investigations, utilize large data sets, and write for scientific publication. Additional preference will be given to candidates with proficiency in computer programming and GIS applications.

Funding is available for two years, with the option of extending for an additional two years. Annual salary range is competitive ($61,000 – 73,000) and federal health benefits are offered. Interested candidates should submit a cover letter stating their research interests, a CV, one or more sample publications, and contact information of three references to Dr. Matt Busse (mbusse@fs.fed.us). Applications will be accepted immediately with an anticipated start date of May 2014. Please contact Dr. Busse by e-mail or telephone (530-759-1721) for more information.