

The U.S. Geological Survey, Southwest Biological Science Center, is seeking a post-doctoral ecologist to work on ecological thresholds and management assessment points for National Park Service units on the Colorado Plateau.

Position: Ecologist, GS-0408-11

Announcement no.: WR-2008-0301

Open period: 2/29/08 – 3/21/08

Website: <http://www.usajobs.opm.gov/>

Project: Ecological Thresholds as a Basis for Defining Management Triggers for National Park Service Vital Signs – A Case Study for Dryland Ecosystems

Description: The U.S. Geological Survey, Southwest Biological Science Center, is seeking a post-doctoral ecologist to work on ecological thresholds and management assessment points for National Park Service units on the Colorado Plateau. The project involves working with scientists from the U.S. Geological Survey (USGS), the National Park Service (NPS), and the USDA Agricultural Research Service to develop a working framework for organizing information on ecological thresholds in the dryland ecosystems of the Colorado Plateau, to analyze empirical data sets to identify potential threshold conditions, and to develop procedures for delineating early-warning trigger points for management actions. Analyses will require expertise in univariate, multivariate, and Bayesian statistical methods. Skills for producing high-quality reports and peer-reviewed publications are essential. Experience in developing or using simulation models also is desirable. Travel to workshops and field stations throughout the Colorado Plateau region will be required. This position will be filled at the GS-11 grade level. Funding is guaranteed for 13 months, with a potential for two years of funding (total). The duty station will be located on the campus of Northern Arizona University, Flagstaff, AZ. The incumbent will be co-supervised by USGS and NPS scientists located in Colorado (Denver), Utah (Kanab), and Flagstaff.

For more information, contact:

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