The Nevada Mountain Ecohydrology Lab in the Natural Resources and Environmental Science Department at the University of Nevada, Reno is expecting to hire a qualified Ph.D. student to start in Fall of 2016. Research in the lab group focuses on improving process-based understanding of snow-dominated watershed hydrology to advance resource management and model predictions. Projects typically integrate field and remote sensing observations with ecohydrological models. The specific research project has flexibility, but will investigate snow hydrology and water partitioning in the Great Basin and the larger Western U.S.

Students capable of working independently with a quantitative background are encouraged to apply. Training in physical hydrology, engineering, remote sensing, or environmental science is appropriate. Computer programming (e.g. Matlab, R, Python, etc.) and/or remote sensing and GIS experience is preferred. Students are also expected to be strong written and oral communicators. Ability to install and maintain field equipment (e.g. programming dataloggers, installing sensors, etc.) is a benefit. Many projects require the ability to work in remote areas and travel long distances over snow.

The University of Nevada is a Tier 1 research university with an excellent graduate program in hydrologic sciences (http://www.hydro.unr.edu/home/) that leverages resources at UNR and the Desert Research Institute. Reno is close to outdoor recreation (biking, skiing, climbing, river sports, and more) locally and nearby in the Sierra Nevada mountains. Reno also has ample city activities (it’s the biggest little city for goodness sake!). Graduate student salaries are competitive and cost of living is relatively low. More information about the lab is available at this website http://www.ag.unr.edu/harpold/. Please contact Dr. Adrian Harpold (aharpold@cabnr.unr.edu) with questions or send a CV and short letter of interest.