

**Subject:** MS student opportunity in post-fire hydrologic modeling--University of Idaho

Graduate student opportunity focused on the assessment of wildfire management strategies using watershed-scale hydrologic modeling at the University of Idaho in Moscow, ID.

Funding is available for a MS student to study the effects of fuel management and post-fire mitigations strategies on hydrology and sediment transport using the Water Erosion Prediction Project (WEPP) model. The student will be working with a large interdisciplinary team of scientists assessing the environmental, ecological, economic, and societal cascading effects following wildfire. Project goals include assessment and validation of the WEPP model on existing watershed datasets and the development of strategies to integrate model simulation with other ecosystem models. Desirable qualifications include quantitative skills, familiarity with mechanistic watershed modeling and computer programming, understanding of water resources, soils, forestry, excellent written and oral communication skills. Students have the opportunity to receive a degree in either Water Resources (<https://www.uidaho.edu/cals/departments-and-units/departments/water-resources>) or Biological Engineering.

The successful candidate will receive tuition and stipend support. To apply, please submit the following to Dr. Erin Brooks ([ebrooks@uidaho.edu](mailto:ebrooks@uidaho.edu)): Personal statement, Curriculum Vitae, Transcripts, letters of recommendation or contact information of three references.

Review of applications will begin April 15<sup>st</sup> and continue until a candidate is selected.