

Postdoctoral position at Oregon State University to evaluate the effects of fire and salvage logging on fish and freshwater ecosystem responses

We are recruiting a postdoctoral position to understand the effects of fire on freshwaters, with a focus on salvage logging. This research seeks to integrate an ongoing aquatic dataset, including physical, chemical, and biological data for which three years of data have been collected (year 1 profiled in [Coble et al. 2023 in Fire Ecology](#)), remote sensing sources, and landowner information that would inform watershed-scale and riparian salvage logging.

This position provides an opportunity for the postdoc to conduct strong applied science at the forefront of fire, freshwaters, and riparian interactions and relate those findings to forest management decisions especially related to salvage, which have implications for future post-fire management in Oregon and beyond. The successful candidate will provide research leadership, scientific analysis, project management, publication of results, and science delivery. Travel in the Oregon Cascades mountain range to meet and help with crews collecting field data will be required during the initial summer of employment.

The position provides a competitive 12-month stipend (\$65,000/year minimum) with [benefits package](#). The position is funded for three years (subject to performance) by the USDA Forest Service, Pacific Northwest Research Station with an academic home in the OSU Department of Forest Ecosystems and Society (College of Forestry) starting September 30, 2023, or a negotiable date. The Postdoctoral candidate will work with a team led by Dr. Brooke Penaluna (USFS PNW Research Station), Dr. Ashley Coble (NCASI), and Dr. Meg Krawchuk (OSU).

The successful candidate will implement quantitative analyses around questions related to post-fire salvage logging based on existing code and datasets using statistical software (i.e., R); analyze the ongoing dataset with a focus on understanding freshwater ecosystem responses in the context of fire severity, watershed stand age, and salvage; and guide the implementation of landowner information and remote sensing data into workflows to understand the extent of salvage occurring across the study area.

Candidates must possess a PhD degree in Aquatic Ecology, Fisheries, Aquatic Biogeochemistry, or related field that supports analysis of natural resource data, with a preference towards fish and aquatic ecology experience.

Preferred research experience includes advanced understanding of statistical analyses, including parametric and non-parametric analyses with 3+ years of experience with R, and potentially Python and JavaScript. Experience with field work and field conditions is beneficial for this position. We look for a commitment to promoting and enhancing diversity, equity, and inclusion.

Oregon State University is located in Corvallis, Oregon between Portland and Eugene. Ocean beaches, lakes, rivers, forests, high deserts, and the Coast and rugged Cascade Ranges are within

a 100-mile drive of Corvallis. For information about the College of Forestry at OSU, visit <https://www.forestry.oregonstate.edu/>

Interested candidates should send their application, including: curriculum vitae, cover letter with brief description of research interests and interest in the position, and contact information for two professional references to: meg.krawchuk[at]oregonstate.edu

For further details about the position please contact:

Dr. Brooke Penaluna

[brooke.penaluna\[at\]usda.gov](mailto:brooke.penaluna@usda.gov)

Dr. Meg Krawchuk

[meg.krawchuk\[at\]oregonstate.edu](mailto:meg.krawchuk@oregonstate.edu)

Consideration date: Review of applications will begin July 15, 2023 and continue until the position is filled.