



NORTHWEST CLIMATE HUB

The Northwest Climate Hub encompasses Alaska, Idaho, Oregon, and Washington. The purpose of the Hub is to deliver science-based knowledge and practical information to farmers, ranchers, forest landowners, and Native American tribes that will help them to adapt to climate change.

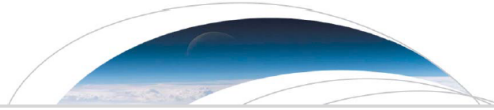
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Key Points:

- Model ensemble synthesis projects 10% increase in postfire sedimentation for nearly nine tenths of western USA watersheds by mid-21st century
- Postfire sedimentation projected to increase by >100% for more than one third of watersheds by mid-21st century
- Many watersheds with projected increases in fire and sedimentation are important surface water supply for downstream human communities

Supporting Information:

- Supporting Information S1

Climate, wildfire, and erosion ensemble foretells more sediment in western USA watersheds

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Abstract The area burned annually by wildfires is expected to increase worldwide due to climate change. Burned areas increase soil erosion rates within watersheds, which can increase sedimentation in downstream rivers and reservoirs. However, which watersheds will be impacted by future wildfires is largely unknown.

