

Abstract

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Spatial Tools for Guiding Forest Restoration and Fuel Reduction Efforts

Track: Forestry, Wildlife, and Fisheries Management

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The Forest Ecosystem Restoration Analysis (ForestERA) Project provides a framework for assessing the impacts of ponderosa pine restoration and fuel-reduction treatments at landscape and regional scales. We are developing spatial tools in the ArcGIS environment for prioritizing forest treatments and analyzing their cumulative effects on wildlife distributions, fire threat, and other parameters relevant to fire and forest ecology. These capabilities allow managers to address planning challenges at the scale of several thousand to several hundreds of thousands of hectares, providing an expanded planning context beyond the scale of individual management units. This paper discusses work to date on the project.

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