

Publisher

Albany, California
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<http://www.psw.fs.fed.us>

April 2002

Pacific Southwest Research Station

Forest Service
U.S. Department of Agriculture

Abstract

Verner, Jared, technical editor. 2002. Proceedings of a symposium on the Kings River sustainable forest ecosystems project: progress and current status. January 26, 1998; Clovis, CA. Gen. Tech. Rep. PSW-GTR-183. Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture; 154 p.

Over the past couple of decades, the challenge of crafting guidelines for managing public lands in the Sierra Nevada has been hampered by a lack of credible information on many important questions. In particular, these involve timber harvest; threats of increasing intensity and extent of wildfires resulting from the heavy accumulations of surface and ladder fuels in forests of the Sierra Nevada; the use of prescribed burning to reduce fuel accumulations; the potential of management actions to lead certain native species of wildlife toward Federal listing as threatened or endangered; and the growing impacts of residential developments adjacent to public forests. The Kings River Sustainable Forest Ecosystem Project is a joint undertaking of the Sierra National Forest, the Pacific Southwest Region of the USDA Forest Service, and the Pacific Southwest Research Station to study the impacts of timber harvest and prescribed fire on many components and processes of conifer forests in a 64,000-acre study area on the Kings River District of the Sierra National Forest. The project was initiated in 1994 and is intended to continue for many years—even decades. This document, therefore, reports only the initial efforts of this project. On the management side, papers included here present methods and results of landscape-level planning, timber harvest, prescribed burning, historic fire intervals, and riparian assessments. Reports from research involve the effects of timber harvest and prescribed burning on forest ecosystem processes, soils, hypogeous fungi, spotted owls, songbirds, small mammals, and fishers.

Retrieval Terms: fisher, forest management, hypogeous fungi, prescribed burning, riparian resources, Sierra Nevada, small mammals, soils, songbirds, spotted owl.

Technical Editor

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English-to-metric conversions:

| | | | |
|---------------|---|--------|-------------------|
| 1 inch | = | 2.540 | centimeters |
| 1 foot | = | 0.305 | meter |
| 1 square foot | = | 0.093 | square meter |
| 1 acre | = | 0.405 | hectare |
| 1 mile | = | 1.609 | kilometers |
| 1 square mile | = | 2.590 | square kilometers |
| 1 ounce | = | 28.350 | grams |
| 1 pound | = | 0.454 | kilogram |
| 1 quart | = | 0.946 | liter |

Metric-to-English conversions:

| | | | |
|--------------------|---|--------|-------------|
| 1 centimeter | = | 0.394 | inch |
| 1 meter | = | 3.281 | feet |
| 1 square meter | = | 10.764 | square feet |
| 1 hectare | = | 2.471 | acres |
| 1 kilometer | = | 0.621 | mile |
| 1 square kilometer | = | 0.386 | square mile |
| 1 gram | = | 0.035 | ounce |
| 1 kilogram | = | 2.205 | pounds |
| 1 liter | = | 1.057 | quarts |