

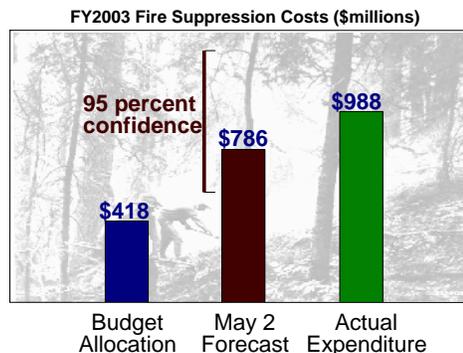
A Few Current Wildfire Studies by SRS-4851

(See reverse for some of our wildfire publications)

Forecasting Wildfire Suppression Costs

Linking a wildfire area forecast model by cooperater Anthony Westerling with Krista Gebert's model of wildfire suppression costs enables us to forecast regional and national fire suppression costs for the upcoming fire season. Our forecast for the year 2003 showed promising accuracy when produced using March 2003 drought measures. Earlier forecasts are possible with reduced accuracy, all forecasts include probability distributions around their point estimates. The 2004 estimate is due in March.

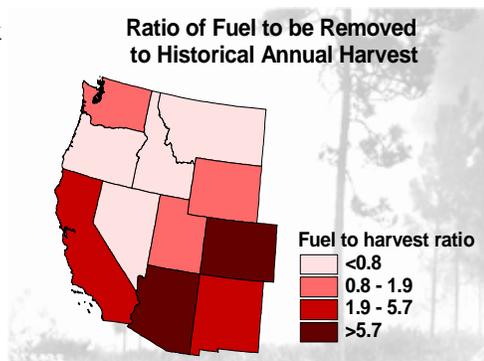
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Impacts of Biomass Removals on Timber Markets

For many forests in the Western U.S. reducing wildfire risk may require removal of small diameter timber from the site. This study compares the amount of material that could be removed under a WUI-focused program with typical annual harvests for that state, a rough measure of mill capacity. Follow-up work with our collaborators will refine the analysis by evaluating how a variety of biomass removal strategies will affect timber prices.

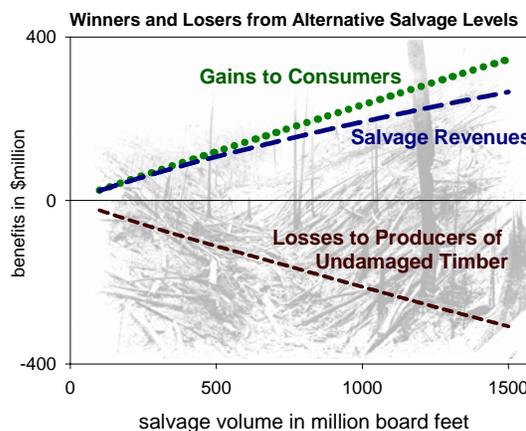
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Winners and Losers from Biscuit Fire Salvage Sales

The sale of killed trees following the Biscuit Fire in southern Oregon will provide revenue to the Federal government. The added volume of timber on the market will reduce prices paid by mills, a benefit to timber consumers. However, the depressed prices will hurt potential sellers of undamaged timber in the region. Our analyses for the Biscuit Fire Recovery Team quantify how various salvage amounts would affect each group.

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Selected Wildfire Publications by SRS-4851

(See reverse for some ongoing wildfire studies)

Tradeoffs of Vegetation Management Strategies

Understanding broadscale wildfire risks in a human-dominated landscape

Prestemon, J.P.; Pye, J.M.; Butry, D.T. and others. *Forest Science* 48:685-693. (2002)

Long lead statistical forecasts of area burned in western U.S. wildfires by ecosystem province

Westerling, A.J.; Gershunov, A.; Cayan, D.R. and Barnett, T.P. *International Journal of Wildland Fire* 11:257-266. (2002)

Optimizing prescribed burning policies to minimize the economic impacts of wildfire in Florida

Mercer, D.E.; Prestemon, J.P.; Butry, D.T. and J.M. Pye. Presentation at the 2nd International Wildland Fire Ecology and Fire Management Congress, Orlando, FL, Nov. 16-20. (2003)

Economically optimal wildfire intervention regimes

Prestemon, J. P., D. E. Mercer, J. M. Pye and others. *American Agricultural Economics Assoc. Annual Mtg.* Chicago, IL. (2001)

Prescribed burning and wildfire risk in the 1998 fire season in Florida

Pye, J.M.; Prestemon, J.P.; Butry, D.T. and Abt, K.L. Pages 15-26 *In: Proceedings RMRS-P-29.* (2003)

Using size-frequency distributions to analyze fire regimes in Florida

Holmes, T. P., J. P. Prestemon; Pye, J.M. and others. *In: Proceedings of the Tall Timbers 22nd Fire Ecology Conference, Kananaskis Village, Alberta, Canada.* (2003)

Impacts of Wildfires on Local Communities

What is the price of catastrophic wildfire?

Butry, D.T.; Mercer, D.E.; Prestemon, J.P.; Pye, J.M. and Holmes, T.P. *J. of Forestry* 99:9-17 (2001)

Fire in the wildland-urban interface: an examination of the effects of wildfire on residential property markets

Huggett, R.J., Jr. Ph.D. Dissertation, NCSU (2003)

Prescribed fire in the interface: separating people from the trees

Butry, D., J. Pye, and J. Prestemon. Pages 132-136 *In: GTR-SRS-48.* (2002)

Community Responses to Wildland Fire Threats

Steelman, T.; Kunkel G. and Bell, D. <www.wildfirecommunities.ncsu.edu>

Economic Impacts of Biomass Removals

A strategic assessment of forest biomass and fuel reduction treatments in western states

Rummer, B.; Prestemon, J.P.; May, D. and others. http://www.fs.fed.us/research/pdf/Western_final.pdf (2003)

The market economics of mechanical fuel treatments

Abt, K.L.; Prestemon, J.P.; Ince, P.; and others. *International Wildland Fire Ecology and Fire Management Congress, Orlando, FL* (2003)

Economics of Forest Protection and Management
Research Triangle Park, North Carolina
www.srs.fs.usda.gov/econ/