

agencies should limit the size of the proposed fire management categorical exclusions to 40 acres or less and within one-half mile of communities. Some state that the agencies should limit activity size to no more than 250 acres, while others suggest that the agencies should restrict removal for a specific activity to 250,000 board feet.

Response: The categorical exclusions are limited to activities with a specific goal and outcome as suggested by some respondents. Accordingly, activities could include the sale of vegetative material only if hazardous fuels reduction is the primary purpose of the activity. The hazardous fuels categorical exclusion is limited to activities identified through a collaborative process as described in the 10-Year Comprehensive Strategy Implementation Plan. The collaborative process will identify areas that are a priority for treatment using the hazardous fuels reduction categorical exclusion.

Project data was collected from five land management agencies across the United States. The data represents the spectrum of hazardous fuels reduction and fire rehabilitation projects of different sizes across vegetation types, geographic regions, agency jurisdictions. Not all projects reviewed had post activity validation of the predicted environmental effects. The agencies focused on an analysis of the acreage figures from over 2,500 hazardous fuels reduction and rehabilitation activities where the environmental effects were predicted to not be significant and where those predictions were validated. Hazardous fuels reduction activities using fire, ranged in size from less than one acre to 90,000 acres. Mechanical hazardous fuels reduction activities, ranged in size from less than one acre to 11,690 acres. Fire rehabilitation activities, ranged in size from one acre to 39,000 acres.

In response to requests from more specificity of limits, the agencies have further constrained the hazardous fuels categorical exclusion of activities within wildland-urban interface or in Condition Classes 2 or 3 in Fire Regime Groups I, II, or III, outside the wildland-urban interface.

The wildland urban interface is defined in the Forest Service and Department of the Interior **Federal Register** notice "Urban Wildland Interface Communities Within the Vicinity of Federal Lands That Are at High Risk From Wildfire" published January 4, 2001 (66 FR 753), as an "interface community" and an "intermix community". For purposes of defining these communities, a structure

is understood to be either a residence or a business facility, including Federal, State, and local government facilities. Structures do not include small improvements such as fences and wildlife watering devices.

The "interface community" exists where structures directly abut wildland fuels. The wildland interface community exists where humans and their development meet or intermix with wildland fuel. There is a clear line of demarcation between residential, business, and public structures and wildland fuels. Wildland fuels do not generally continue into the developed area. The development density for an interface community is usually 3 or more structures per acre, with shared municipal services. Fire protection is generally provided by a local government fire department with the responsibility to protect the structure from both an interior fire and an advancing wildland fire. An alternative definition of the interface community emphasizes a population density of 250 or more people per square mile.

The "intermix community" exists where structures are scattered throughout a wildland area. There is no clear line of demarcation; wildland fuels are continuous outside of and within the developed area. The development density in the intermix ranges from structures very close together to one structure per 40 acres. Fire protection districts funded by various taxing authorities normally provide life and property fire protection and may also have wildland fire protection responsibilities. An alternative definition of intermix community emphasizes a population density of between 28–250 people per square mile.

Based on coarse scale national data, Fire Condition Classes measure general wildfire risk as follows:

Condition Class 1. For the most part, fire regimes in this Fire Condition Class are within historical ranges. Vegetation composition and structure are intact. Thus, the risk of losing key ecosystem components from the occurrence of fire remains relatively low.

Condition Class 2. Fire regimes on these lands have been moderately altered from their historical range by either increased or decreased fire frequency. A moderate risk of losing key ecosystem components has been identified on these lands.

Fire Regime Groups are defined in the 10-Year Comprehensive Strategy Implementation Plan, which is available on a number of Web sites including <http://www.fs.fed.us/emc/hfi>. A fire regime is a generalized description of the role fire plays in an ecosystem. It is

characterized by fire frequency, predictability, seasonality, intensity, duration, scale (patch size), as well as regularity or variability. Five combinations of fire frequency, expressed as fire return interval in fire severity, are defined as Groups I through V. Groups I and II include fire return intervals in the 0–35 year range. Group I includes ponderosa pine, other long needle pine species, and dry site Douglas-fir. Group II includes the drier grassland types, tall grass prairie, and some Pacific chaparral ecosystems. Groups III and IV include fire return intervals in the 35–100+ year range. Group III includes interior dry site shrub communities such as sagebrush and chaparral ecosystems. Group IV includes lodgepole pine and jack pine. Group V is the long interval (infrequent), stand replacement fire regime and includes temperate rain forest, boreal forest, and high elevation conifer species.

In response to requests to consider acreage limitations on the categorical exclusions for hazardous fuel reduction and fire rehabilitation activities, the agencies reviewed the data to determine prudential limits on the scope of these categorical exclusions. Although the data did not establish a relationship between acres treated and environmental effects, the agencies have elected to limit the categorical exclusion for hazardous fuels reduction activities using fire to 4,500 acres, hazardous fuels reduction activities using mechanical methods up to 1,000 acres, and fire rehabilitation activities to 4,200 acres. These acreages are well within the range of the data. This responds to public concerns while maintaining the effectiveness of the categorical exclusions as a management tool.

Using timber volume as a limitation, instead of acreage, does not reflect the size of an activity inasmuch as a small project in one part of the country may result in as much timber volume as a much larger project in another part of the country. Moreover, activities in the review that were identified as having significant environmental effects were not those of a particular activity, location, or size but were identified as having extraordinary circumstances, which precluded the use of a categorical exclusion.

These acreage limits for the hazardous fuels reduction and fire rehabilitation categories differ from those in a separate Forest Service proposal for three categorical exclusions for limited timber harvest (68 FR 1026). In conducting the review for its limited timber harvest categories, the Forest Service selected projects that would have qualified