

****11/4/03 DRAFT****

**Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions**

Modeler: Doug Havlina

Date: 8/13/03

PNVG Code: JUPI2

Potential Natural Vegetation Group: Juniper-Pinyon (Infrequent Fire Type)

Geographic Area: Columbia Plateau, Central Rockies, Great Basin, Colorado Plateau, Southwest Desert, Southern Rockies.

Description: PNVG is somewhat rare subset of Juniper Pinyon-Frequent Fire type, scattered throughout the Colorado Plateau, Southern Rockies, and Southwest Desert. Sites are characterized by a very infrequent, very high severity fire regime (>400 year fire return interval), with dense old growth structural attributes. Sites are commonly rugged slopes, canyons, and mesa tops with many barriers to fire spread. Soils are most often shallow, rocky, and coarse-textured. This type usually abuts desert shrub or sparsely vegetated sites, and may be referred to as "Pinyon-Juniper Forest."

Fire Regime Description: Fire Regime V, primarily long-interval (e.g., >200 yr) stand replacement fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	10	Post-fire community of forbs and perennial grasses
B: mid-development closed	15	Mid-development, dense (>40% cover) juniper-pinyon woodland; understory being lost
C: mid- open	5	Mid-development, open (<40% cover) juniper-pinyon stand with mixed shrub/herbaceous community in understory
D: late- open	10	Late-development, open juniper-pinyon stand with "savannah-like" appearance; mixed shrub/herbaceous community
E: late- closed	60	Late-development, closed juniper-pinyon forest. May have all-aged, multi-storied structure. Moderate mortality within stand. Occasional shrubs with depauperate herbaceous layer

Total 100

Fire Frequency and Severity			
Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.0023	92	High severity, stand replacement fire primarily in stage E, but also in B
Non-Replacement Fire	.0002	8	Very infrequent surface and mosaic fires causing single tree mortality in stages C and D
All Fire Frequency*	.0023	100	

*Sum of replacement fire and non-replacement fire probabilities.

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