

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

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

Modeler: Brad Smith

Date: 8/13/03

PNVG Code: GBPI

Potential Natural Vegetation Group: Great Basin Pine (NV, UT)

Geographic Area: Great Basin.

Description: Subalpine woodlands on isolated mountain ranges and peaks in the Great Basin of Nevada and Utah typically on south-facing ridges and talus. Soils are extremely limited, solar radiation intense, growing season very short.

Comment – This reference condition required several consecutive VDDT runs to reach a stable condition. Since each run was 1000 time steps (each step 1 year in this application), the time needed to reach a stable condition approaches that for significant climate change. Rates of intrinsic change in these stands are extremely slow.

Fire Regime Description: Fire Regimes III and V; long-interval (e.g., >400 yr) mixed severity- and stand replacement fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	25	Bare ground and talus with sparse ground cover of forbs, grasses, and low and prostrate shrubs.
B: mid-development closed	N/A	N/A
C: mid- open	10	Open woodland <40% crown closure of seedlings and saplings
D: late- open	55	Open woodland <40% crown cover, poles and larger trees. Bare ground and talus with sparse ground cover.
E: late- closed	10	Open forest with > 40% crown cover of poles and larger trees. Sparse ground cover of forbs, grasses, and low shrubs.
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.0003	12	
Non-Replacement Fire	.0022	88	70% mosaic, 30% surface burns
All Fire Frequency*	.0025	100	

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

References

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