

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

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

Modeler: Brad Smith

Date: 8/13/03

PNVG Code: FHWO2

Potential Natural Vegetation Group: Fir-Hemlock (parkland variant).

Geographic Area: Cascades of Oregon and Washington.

Description: PNVG occurs on flat ground to steep slopes in the subalpine belt of the Washington and Oregon Cascade Mountains. It is found on virtually all regoliths in this belt. This belt is characterized by deep winter snow packs several meters deep. Annual snowfall is typically greater than 10m. This variant includes those lands found above the closed forest in a parkland mix of tree clumps, heather shrublands, and sedge and forb meadows.

Fire Regime Description: Fire Regime V, primarily long-interval (e.g., 500-1000 yr) stand replacement fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	45	Dense forbs such as Beargrass, and many ericaceous shrubs such as heather or huckleberry. Scattered tree seedlings in clumps and patches.
B: mid-development closed	25	Small islands of dense seedlings and saplings with crowns to the ground level. Intermixed with low shrubs and forbs.
C: mid- open	<1	Open shrublands and forblands with scattered seedlings and saplings.
D: late- open	<1	Small to medium islands of shrubland and forbland with scattered short trees.
E: late- closed	30	Small to medium islands of small to medium sized trees with crowns to the ground. Skirts of shrubs and forbs about the tree island.
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.0012	92	

Non-Replacement Fire	.0001	8
All Fire Frequency*	.0013	100

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

References

BRAD NEEDS TO COMPLETE BELOW REF'S

Brown, James K.; Smith, Jane Kapler, eds. 2000. Wildland fire in ecosystems: effects of fire on flora. Gen. Tech. Rep. RMRS-GTR-42-vol. 2. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 257 p.

Schmidt, Kirsten M, Menakis, James P., Hardy, Colin C., Hann, Wendel J., Bunnell, David L. 2002. Development of coarse-scale spatial data for wildland fire and fuel management. Gen. Tech. Rep. RMRS-GTR-87. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 41 p. + CD.

U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (2002, December). Fire Effects Information System, [Online]. Available: <http://www.fs.fed.us/database/feis>. [Accessed: 0_/_/03].

PERSONAL COMMUNICATION (if applicable):

MODELER FIELD REVIEWS (if applicable):

VDDT RESULTS







