

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

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

**Modeler:** Brad Smith

**Date:** 8/13/03    **PNVG Code:** FHWO1

**Potential Natural Vegetation Group:** Fir-Hemlock (forest 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 is for the closed forest communities found below the parkland area of the subalpine belt.

**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	15	Dense forb cover such as beargrass, and many ericaceous shrubs such as heather or huckleberry. Abundant tree seedlings.
B: mid-development closed	25	Dense, slow growing pole and sapling stands of mountain hemlock, silver fir, and other species. Abundant ericaceous shrubs.
C: mid- open	5	Open parklands of mixed shrublands, and meadows and sapling and pole stands.
D: late- open	10	Open parklands of mixed shrublands, and meadows and stands of trees.
E: late- closed	45	Dense multi-layered stands of hemlock and fir species. Undergrowth primarily of low shrubs and forbs.
Total	100	

**Fire Frequency and Severity**

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.0011	85	
Non-Replacement Fire	.002	15	

\*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.

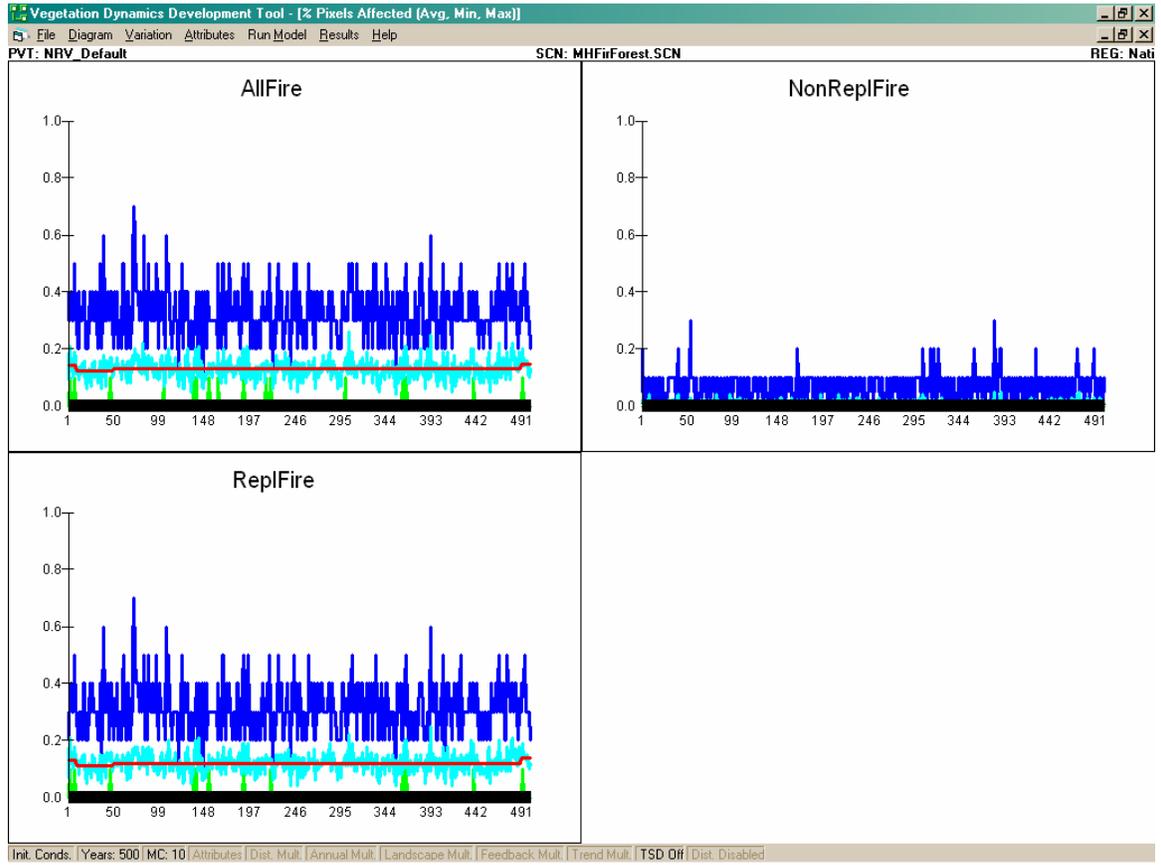
Schmidt, Kirsten M, Menakis, James P., Hardy, Colin C., Hann, Wendel J., Bunnell, David L. 2002. Development of coarse-scale spatial data for wildland fire and fuel management. Gen. Tech. Rep. RMRS-GTR-87. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.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

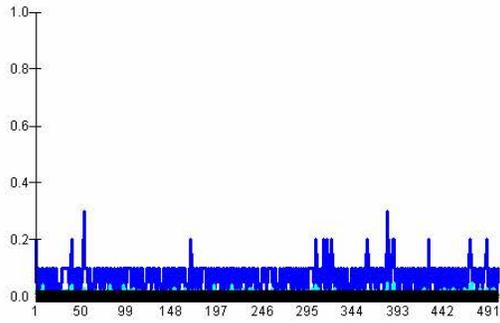
**PERSONAL COMMUNICATION (if applicable):**

**MODELER FIELD REVIEWS (if applicable):**

# VDDT RESULTS

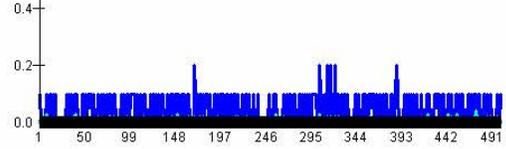


NonReplFire

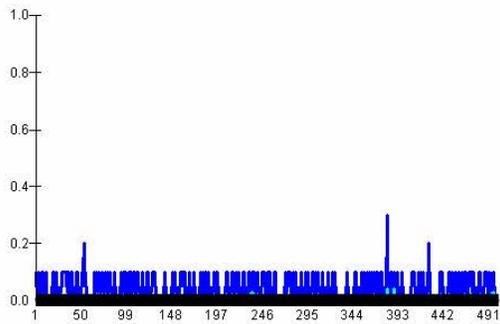


SurfFire

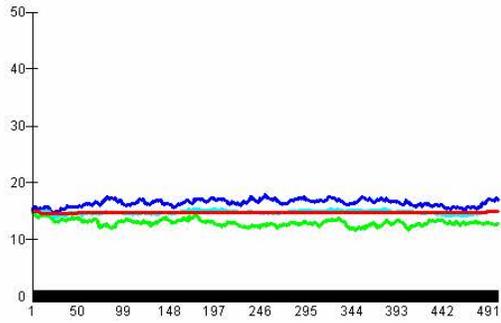
Mean for period [1,10] is .: period [11,50] is .: period [51,490] is .: period [491,500] is .:



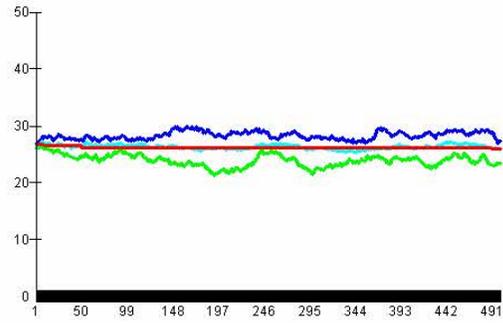
MosaicFire



Class A: Early-Develop, PstRpl



Class B: Mid-Develop, Clsd



Class E: Late-Develop, Clsd

