11/4/03 DRAFT

Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Brad Smith **Date:** 8/11/03 **PNVG Code:** CHDO

Potential Natural Vegetation Group: Cedar-Hemlock Douglas-Fir (Interior).

Geographic Area: Northern Rocky Mountains of western Montana, northern Idaho, and northeastern Washington

Description: PNVG occurs on flat ground to steep slopes in the Rocky Mountains of western Montana, northern Idaho, and eastern Washington.

Fire Regime Description: Fire Regimes V and III, primarily long -interval (e.g., 300+ yr) stand replacement- and mixed severity fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	10	Early seral condition of abundant ferns, grasses and forbs under shrub canopies
B: mid-development closed	30	Dense thickets of seedlings and poles and small trees of mixed conifers and hardwoods.
C: mid- open	5	Dense shrublands with scattered seedlings and poles and small trees
D: late- open	15	Scattered large to very large trees (seral dominants) over a variety of undergrowth conditions
E: late- closed	40	Dense single or multi-layered canopy dominated by large to very large conifers
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.003	60	
Non-Replacement Fire	.002	40	
All Fire Frequency*	.005	100	

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

References

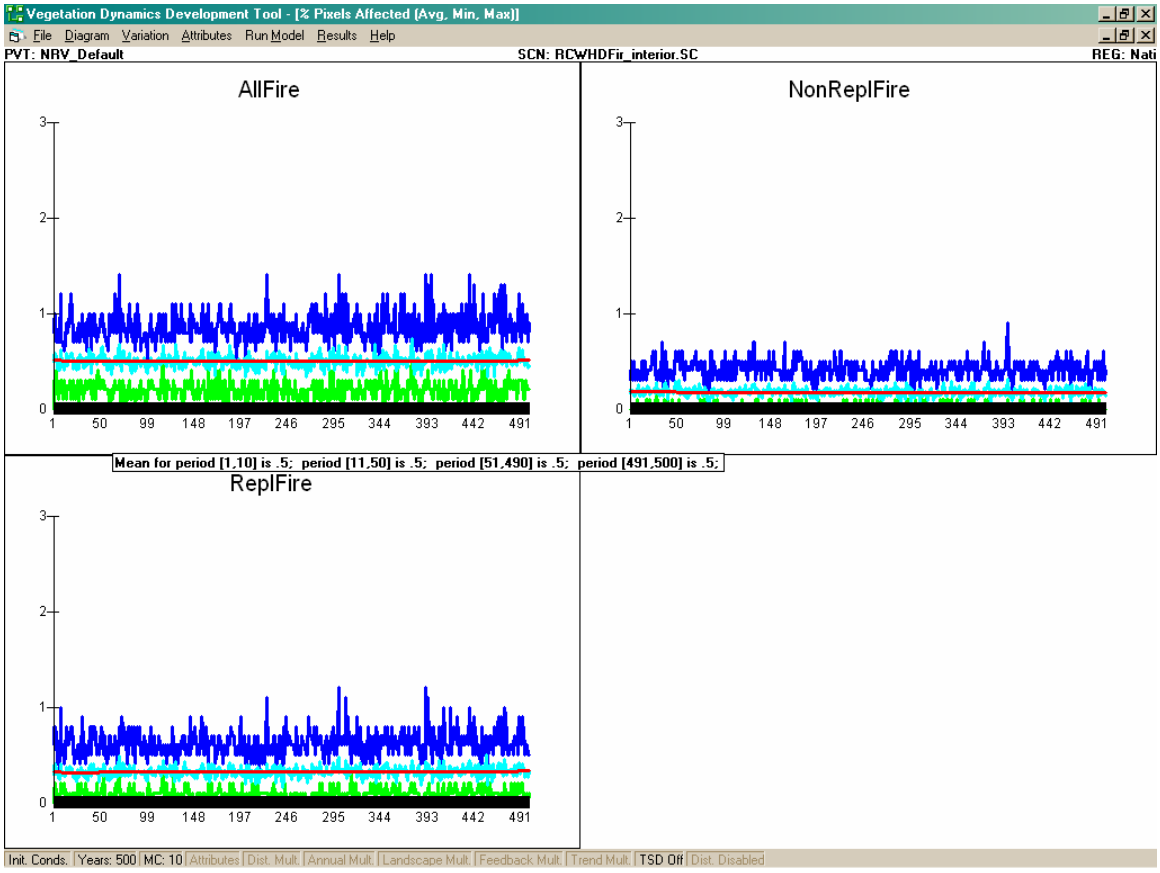
(*BRAD NEEDS TO COMPLETE BELOW)

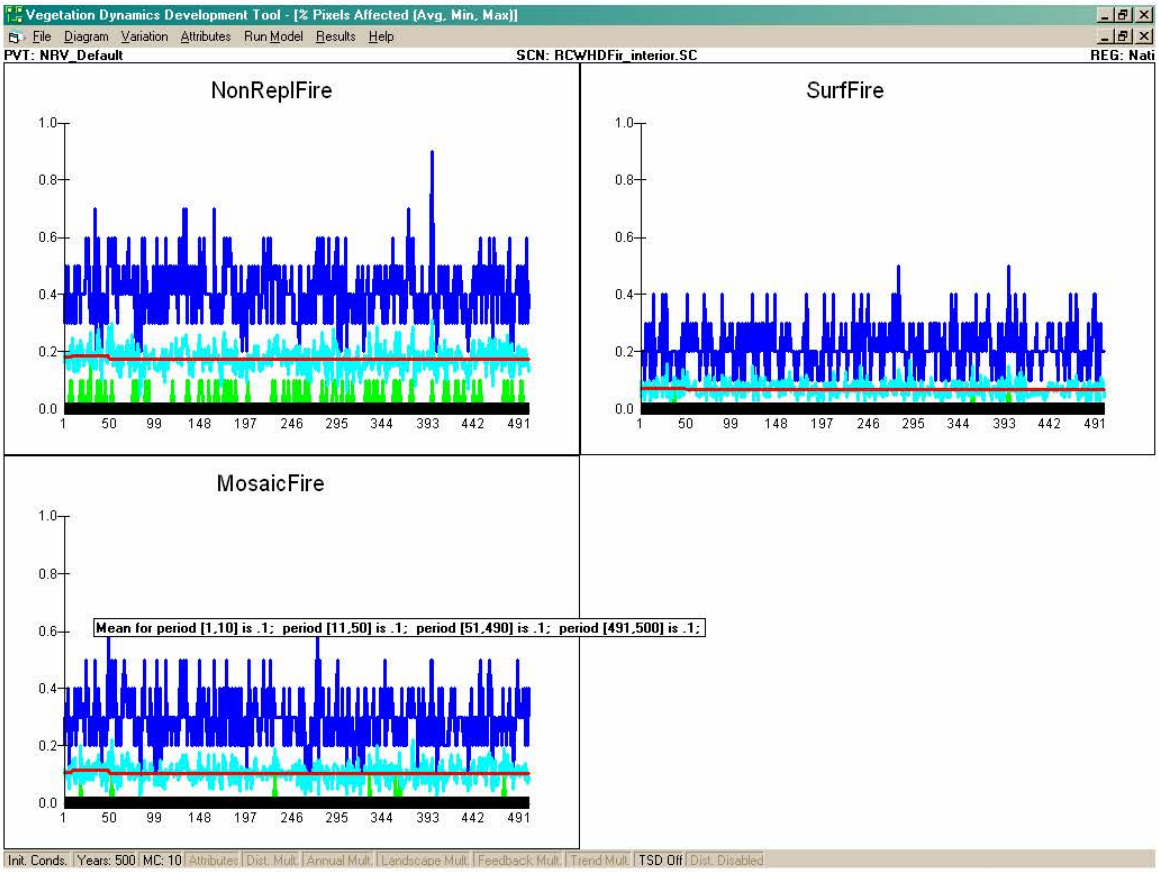
Brown, James K.; Smith, Jane Kapler, eds. 2000. Wildland fire in ecosystems: effects of fire on flora. Gen. Tech. Rep. RMRS-GTR-42-vol. 2. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 257 p.

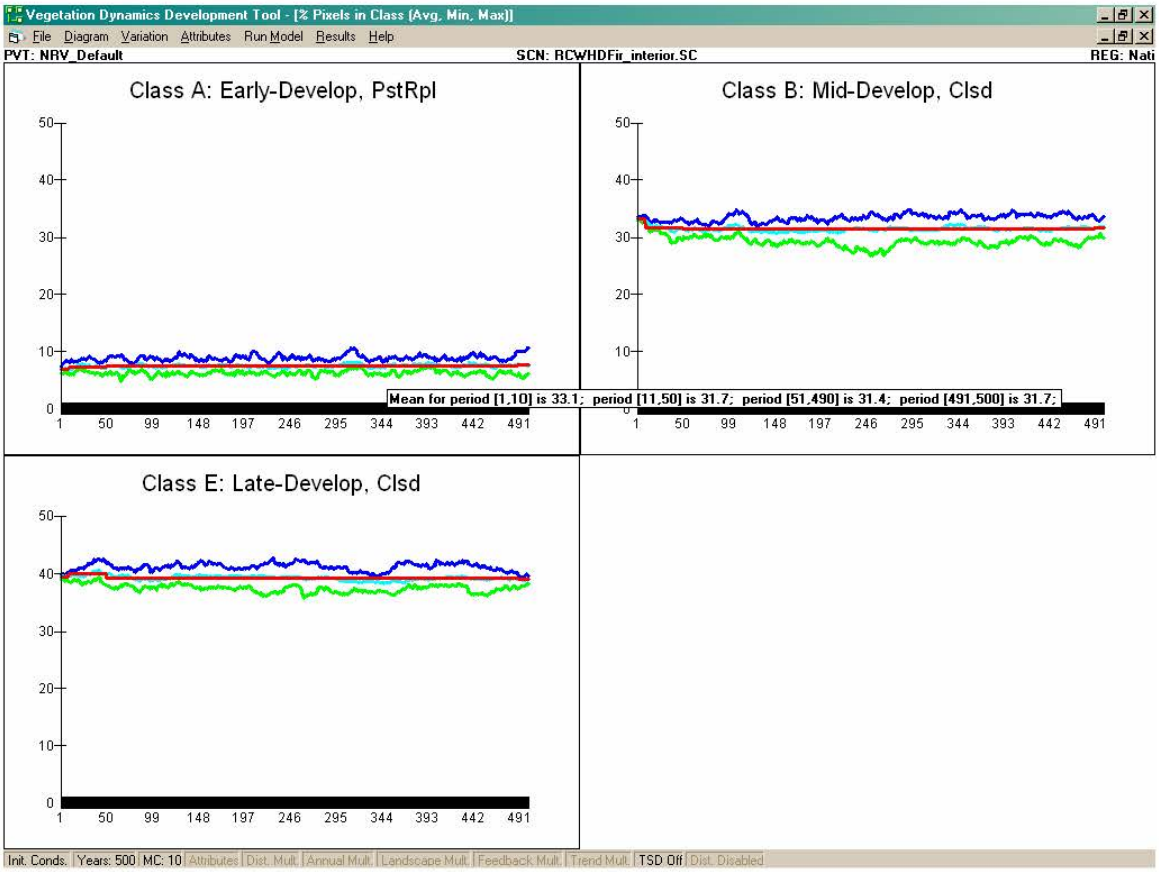
Schmidt, Kirsten M, Menakis, James P., Hardy, Colin C., Hann, Wendel J., Bunnell, David L. 2002. Development of coarse-scale spatial data for wildland fire and fuel management. Gen. Tech. Rep. RMRS-GTR-87. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.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

VDDT RESULTS*NOTE: PROBABLY NEED TO INCLUDE SUCC GRAPH




Vegetation Dynamics Development Tool - [% Pixels Affected (Avg, Min, Max)]
File Diagram Variation Attributes Run Model Results Help
PVT: NRV_Default
SCN: RCWHDFir_interior.SC
REG: Nati
NonReplFire
SurfFire
MosaicFire
1.0
0.8
0.6
0.4
0.2
0.0
1 50 99 148 197 246 295 344 393 442 491
Mean for period [1,10] is .1; period [11,50] is .1; period [51,490] is .1; period [491,500] is .1;
Init. Conds. | Years: 500 | MC: 10 | Attributes | Dist. Mult. | Annual Mult. | Landscape Mult. | Feedback Mult. | Trend Mult. | TSD Off | Dist. Disabled


Vegetation Dynamics Development Tool - [% Pixels in Class (Avg, Min, Max)]
File Diagram Variation Attributes Run Model Results Help
PVT: NRV_Default
SCN: RCWHDFir_interior.SC
REG: Nati
Class A: Early-Develop, PstRpl
Class B: Mid-Develop, Clsd
Mean for period [1,10] is 33.1; period [11,50] is 31.7; period [51,490] is 31.4; period [491,500] is 31.7;
Class E: Late-Develop, Clsd
0 10 20 30 40 50
1 50 99 148 197 246 295 344 393 442 491
Init. Conds. | Years: 500 | MC: 10 | Attributes | Dist. Mult. | Annual Mult. | Landscape Mult. | Feedback Mult. | Trend Mult. | TSD Off | Dist. Disabled