11/4/03 DRAFT

Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

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

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

Geographic Area: Cascade Mountains and Coastal Mountains of Oregon and Washington

Description: PNVG occurs on flat ground to steep slopes in the coastal mountains of Oregon and Washington, including the Olympic Mountains as well as on the western slopes of the Cascade Range in Washington and northern Oregon (also occupies a minor amount of the northern California coast range).

Fire Regime Description: Fire Regime Group V, primarily long -interval (e.g., 300+ yr) stand replacement 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 of maple (north) or live oak and tanoak (south)
B: mid-development closed	35	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	5	Scattered large to very large trees (seral dominants) over a variety of undergrowth conditions
E: late- closed	45	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	.0033	77	
Non-Replacement Fire	.001	23	

All Fire Frequency*	.0043	100

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

References

(*BRAD NEEDS TO COMPLETE BELOW)

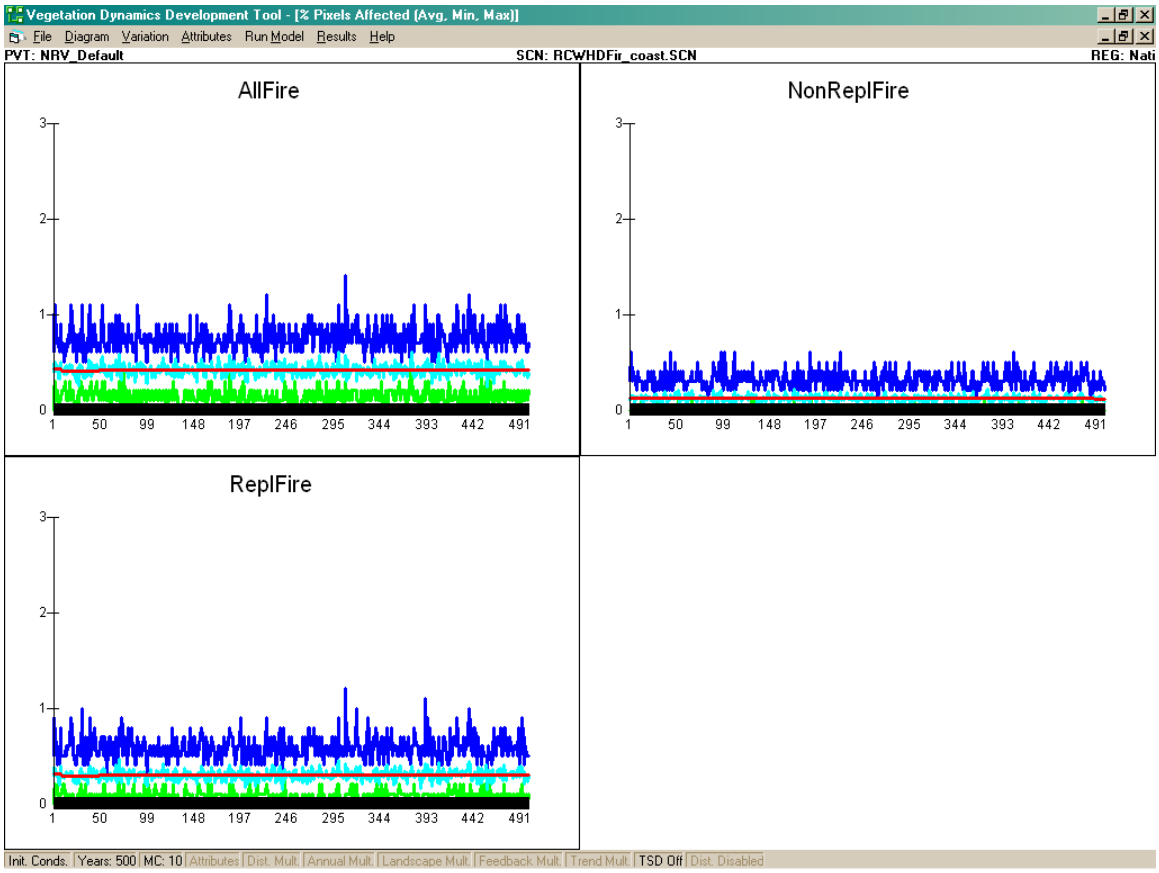
Brown, James K.; Smith, Jane Kapler, eds. 2000. Wildland fire in ecosystems: effects of fire on flora. Gen. Tech. Rep. RMRS-GTR-42-vol. 2. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 257 p.

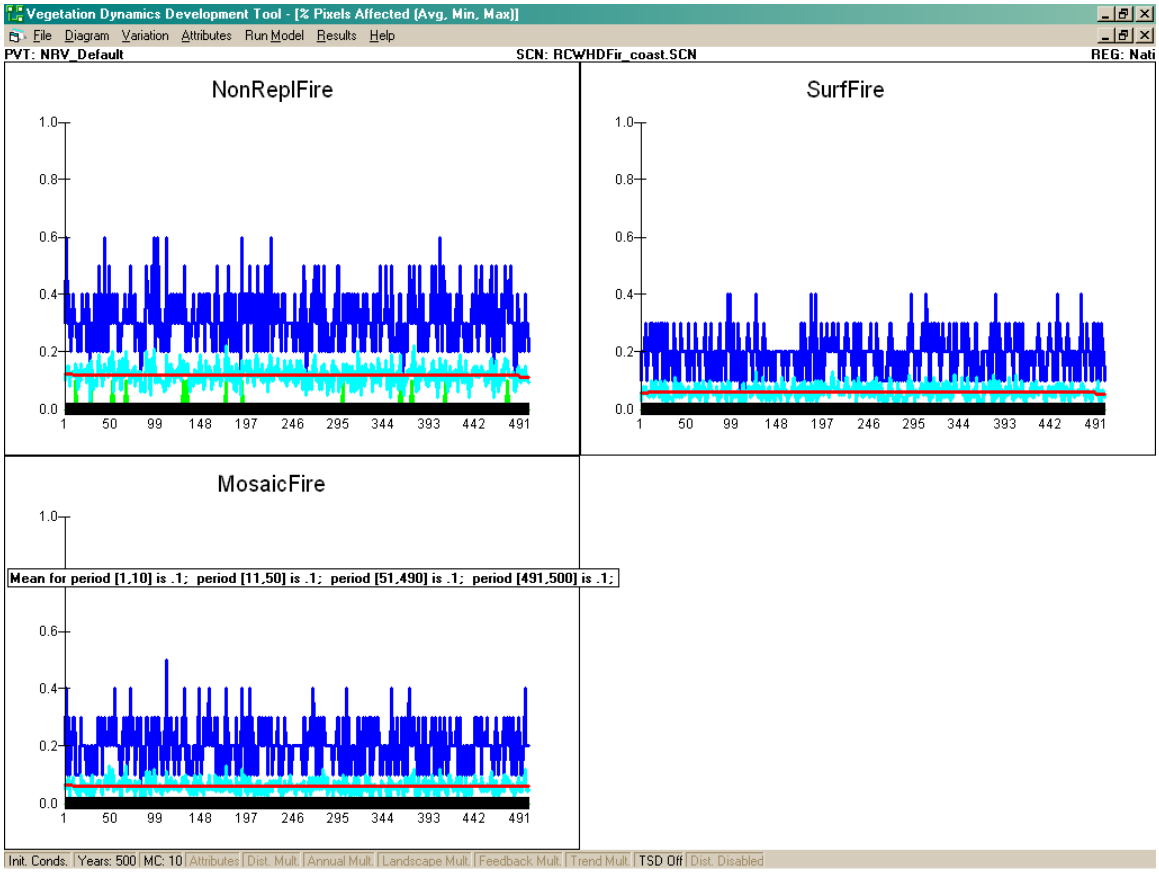
Schmidt, Kirsten M, Menakis, James P., Hardy, Colin C., Hann, Wendel J., Bunnell, David L. 2002. Development of coarse-scale spatial data for wildland fire and fuel management. Gen. Tech. Rep. RMRS-GTR-87. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.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

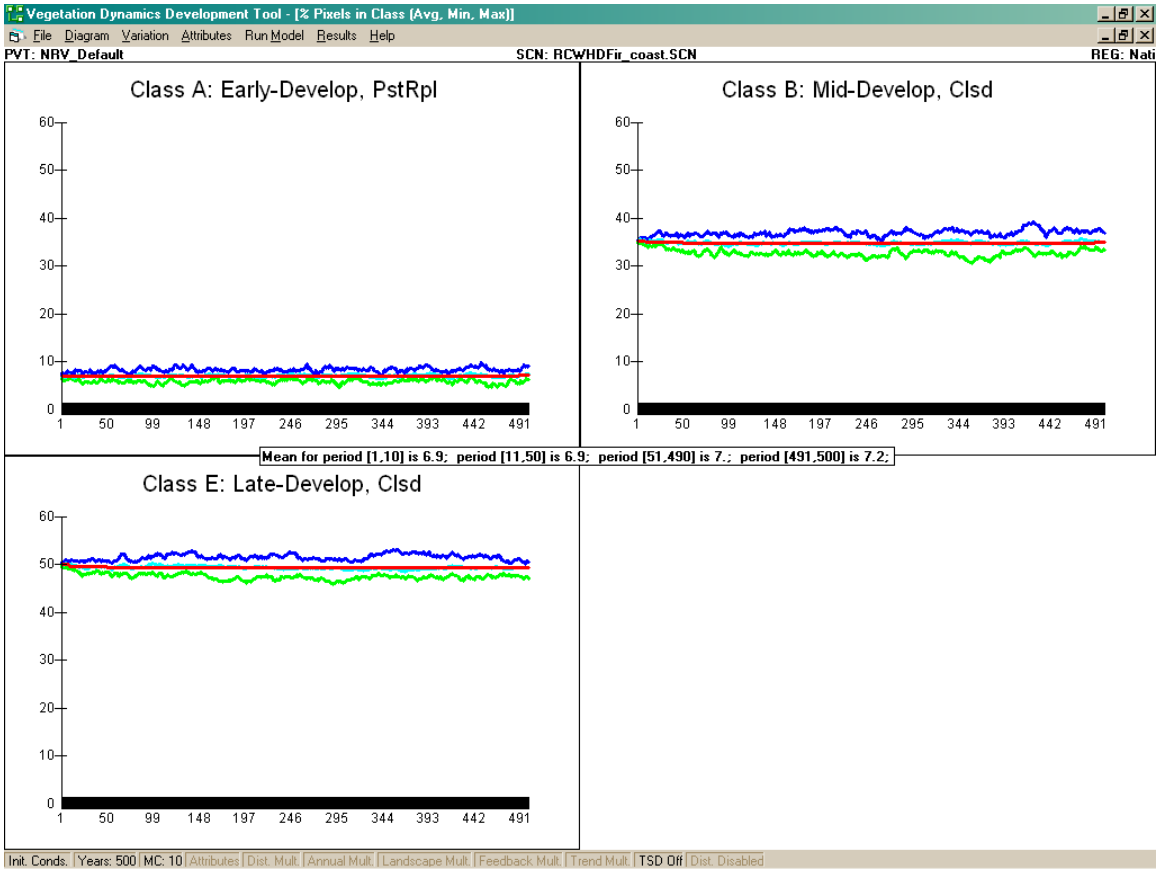
U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (2002, December). Fire Effects Information System, [Online]. Available: http://www.fs.fed.us/database/feis/ , [Accessed: PROVIDE DATE].

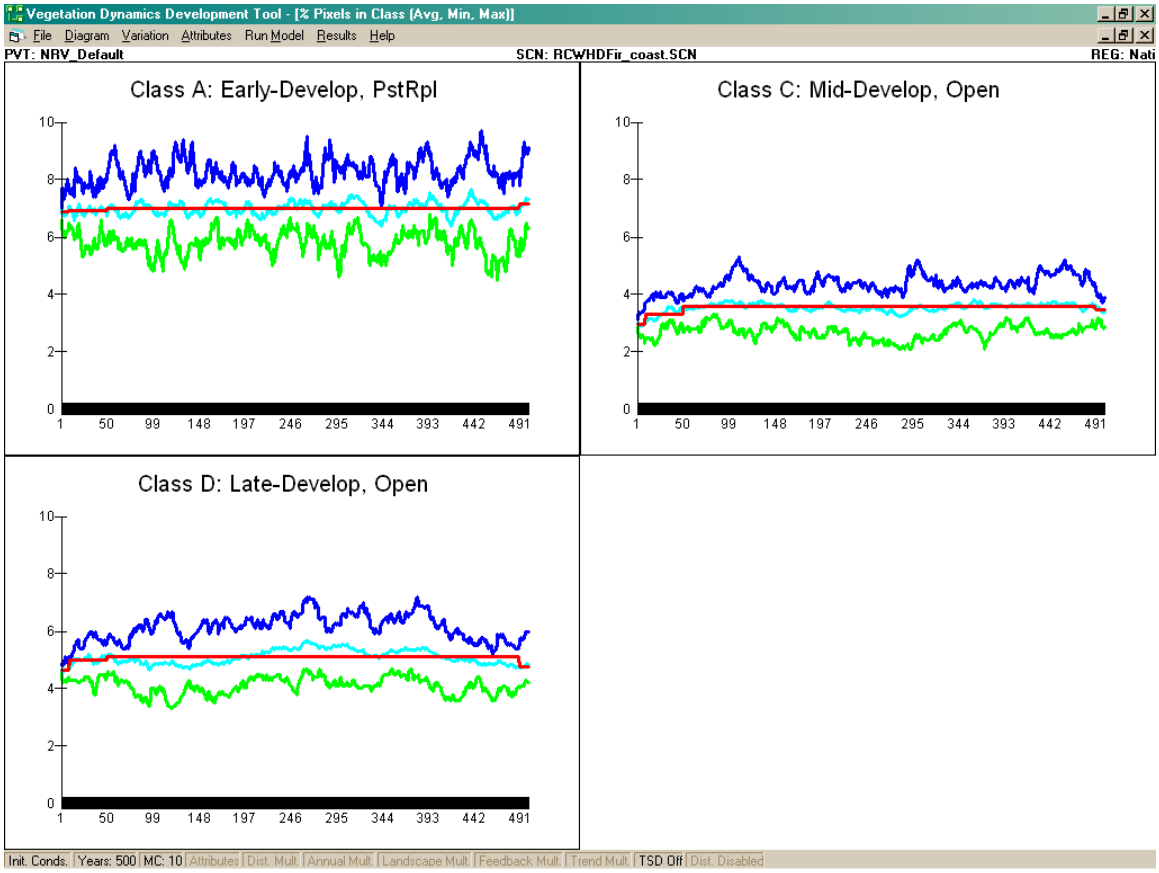
VDDT RESULTS

*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_coast.SCN
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_coast.SCN
REG: Nati
Class A: Early-Develop, PstRpl
Class B: Mid-Develop, Clsd
Class E: Late-Develop, Clsd
0 10 20 30 40 50 60
1 50 99 148 197 246 295 344 393 442 491
Mean for period [1,10] is 6.9; period [11,50] is 6.9; period [51,490] is 7.; period [491,500] is 7.2;
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_coast.SCN
REG: Nati
Class A: Early-Develop, PstRpl
Class C: Mid-Develop, Open
Class D: Late-Develop, Open
0 2 4 6 8 10
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