11/25/03 DRAFT

Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Steve Barrett **Date:** 11/25/03 **PNVG Code:** SPFI7

Potential Natural Vegetation Group: Interior West Lower Subalpine Forest #3.

Geographic Area: Southwestern U.S. (Colorado Plateau- and Desert Mountain Ranges).

Description: PNVG occurs in region's limited amount of subalpine terrain, on gentle to moderately steep slopes (e.g., 10-60%); relatively dry sites generally are dominated by mixed conifers or quaking aspen, and moist sites are dominated by Engelmann spruce and corkbark fir.

Fire Regime Description: Fire Regimes III and IV: Moderately long- to long interval (e.g., 50-200 yr) mixed severity- and stand replacement fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	25	Early succession after moderately long- to long interval replacement fires
B: mid-development closed	35	Shade intolerant- and mixed conifer saplings to poles (> 40% canopy cover)
C: mid- open	20	Primarily shade intolerant saplings to poles (<40% canopy cover)
D: late- open	10	Pole- and larger diameter shade intolerant- and mixed conifer species (<40% canopy cover) in small- to moderate size patches, generally on southerly aspects
E: late- closed	10	Pole- and larger diameter shade intolerant- and mixed conifer species (>40% canopy cover), in moderate- to large size patches, all aspects
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.005	46	Replacement fires generally in E and

			D
Non-Replacement Fire	.006	54	Mod. to severe mixed severity fires (e.g., on non-steep terrain in C and D; in forest-type transition zones; and at margins of replacement burns).
All Fire Frequency*	.011	100	

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

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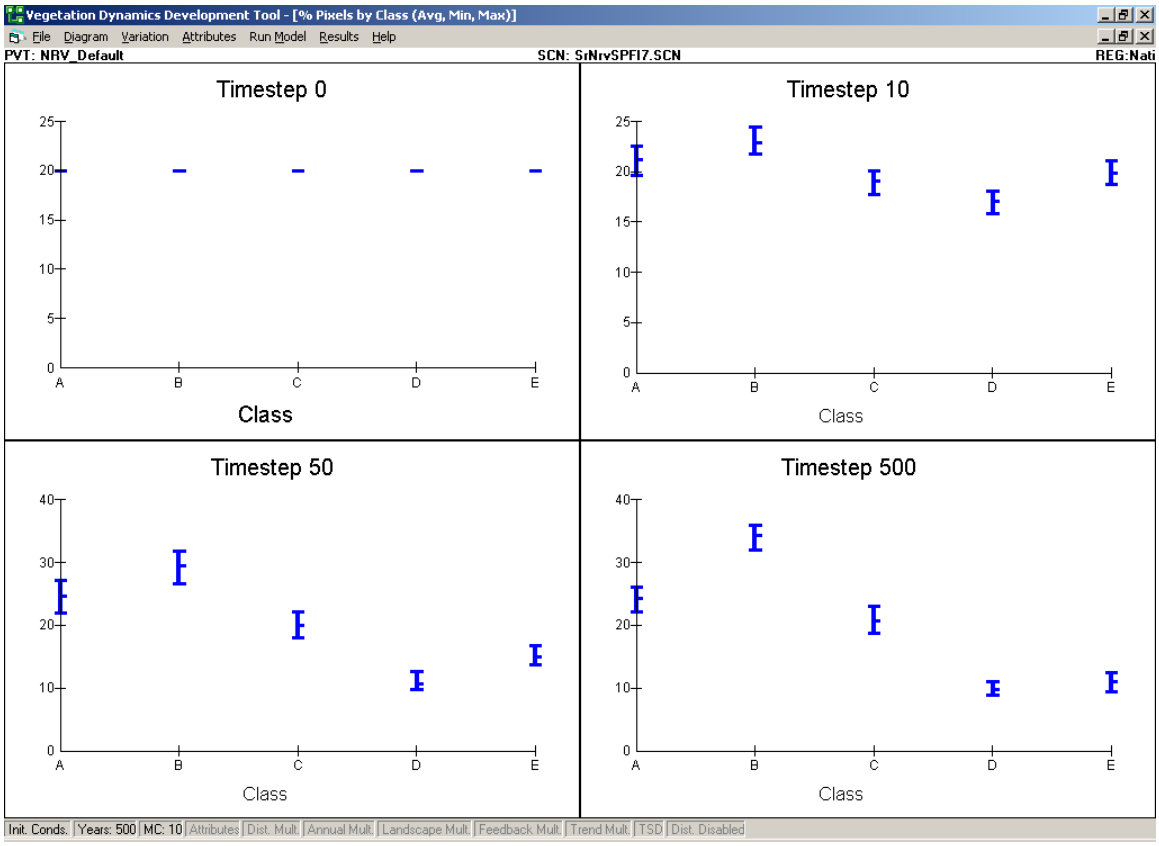
PERSONAL COMMUNICATIONS

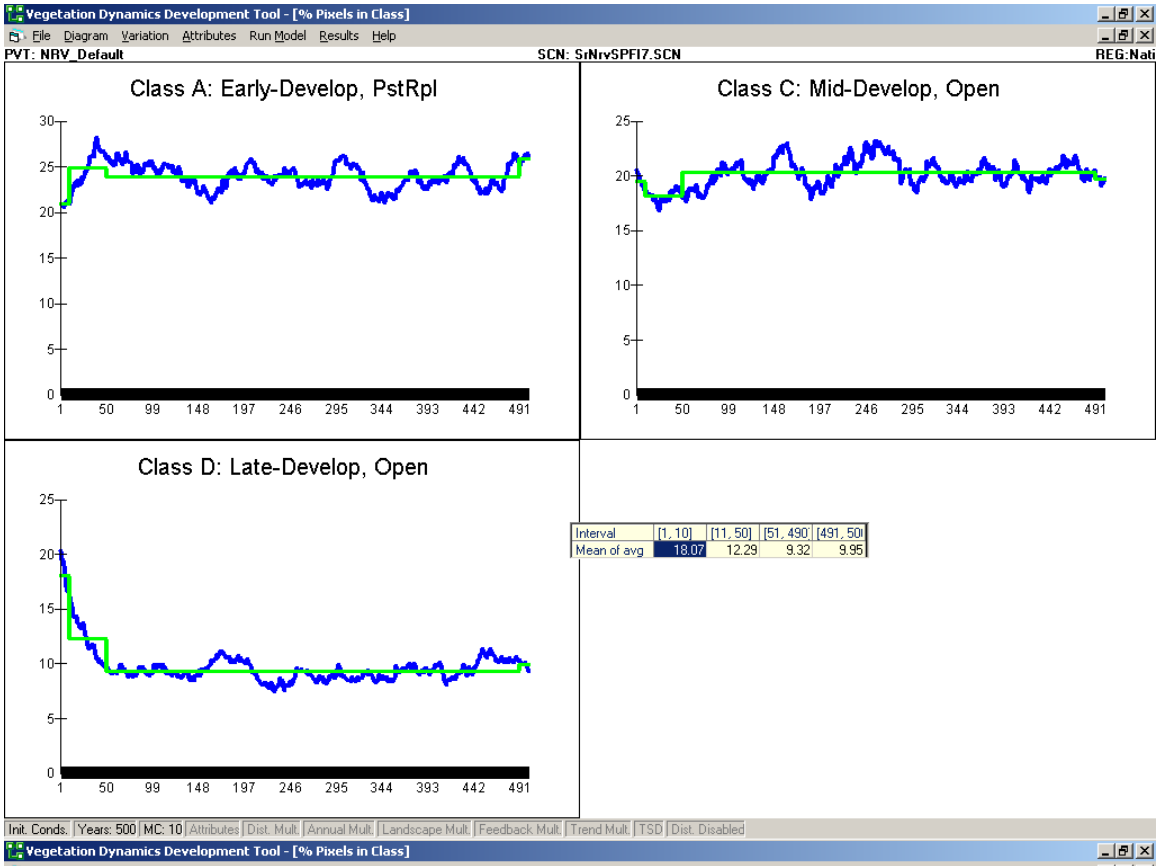
6/2/03 personal communication with Staff Researcher Christopher Baisan, Laboratory of Tree Ring Research, Tucson, AZ

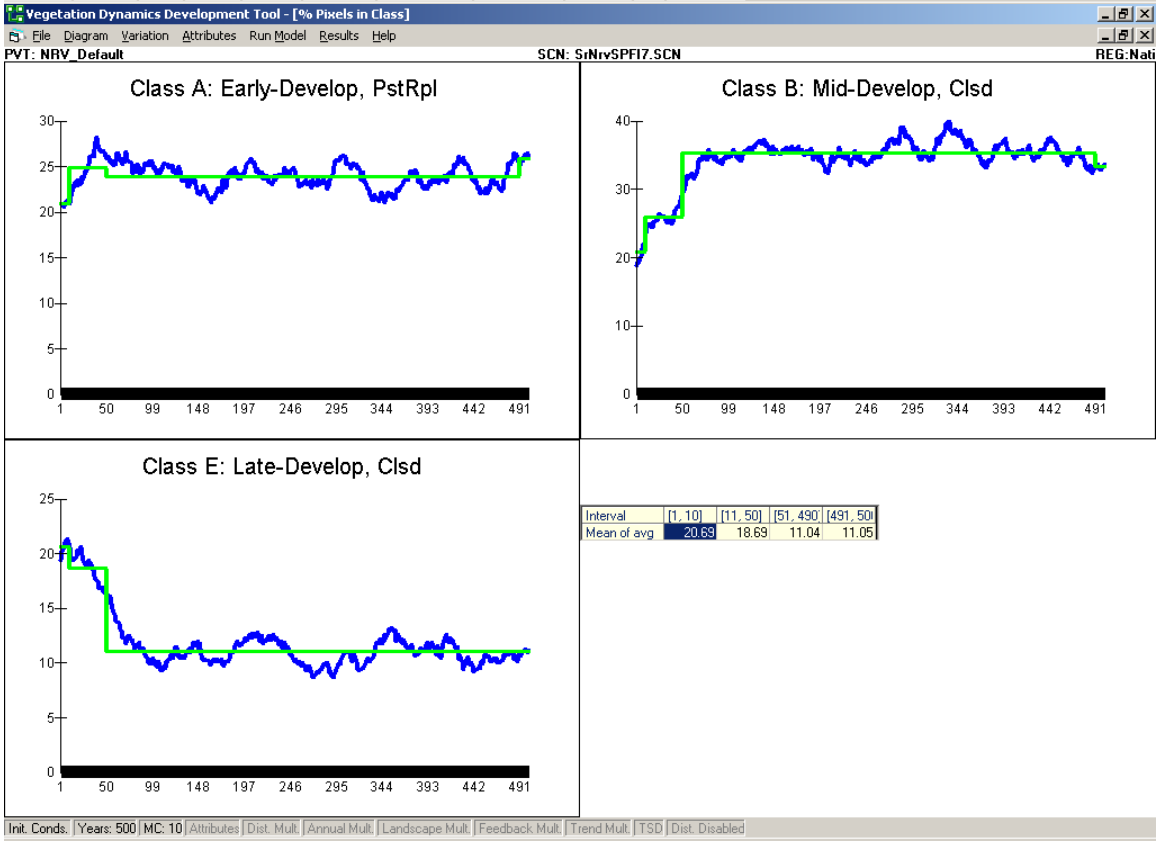
6/3/03 e-mail communication with Dr. Thomas Swetnam, Laboratory of Tree Ring Research, Tucson, AZ

6/3/03 e-mail communication with Dr. Craig Allen, U.S. Geological Survey Jemez Mts. Field Station, Midcontinent Ecological Science Center, Los Alamos, NM

VDDT Results




Vegetation Dynamics Development Tool - [% Pixels in Class]
File Diagram Variation Attributes Run Model Results Help
PVT: NRV_Default
SCN: SrNrvSPFI7.SCN
REG:Nati
Class A: Early-Develop, PstRpl
Class C: Mid-Develop, Open
Class D: Late-Develop, Open
Interval [1, 10] [11, 50] [51, 490] [491, 50
Mean of avg 18.07 12.29 9.32 9.95
Init. Conds. Years: 500 MC: 10 Attributes Dist. Mult. Annual Mult. Landscape Mult. Feedback Mult. Trend Mult. TSD Dist. Disabled


Vegetation Dynamics Development Tool - [% Pixels in Class]
File Diagram Variation Attributes Run Model Results Help
PVT: NRV_Default
SCN: SrNrvSPFI7.SCN
REG:Nati
Class A: Early-Develop, PstRpl
Class B: Mid-Develop, Clsd
Class E: Late-Develop, Clsd
Interval [1, 10] [11, 50] [51, 490] [491, 50
Mean of avg 20.69 18.69 11.04 11.05
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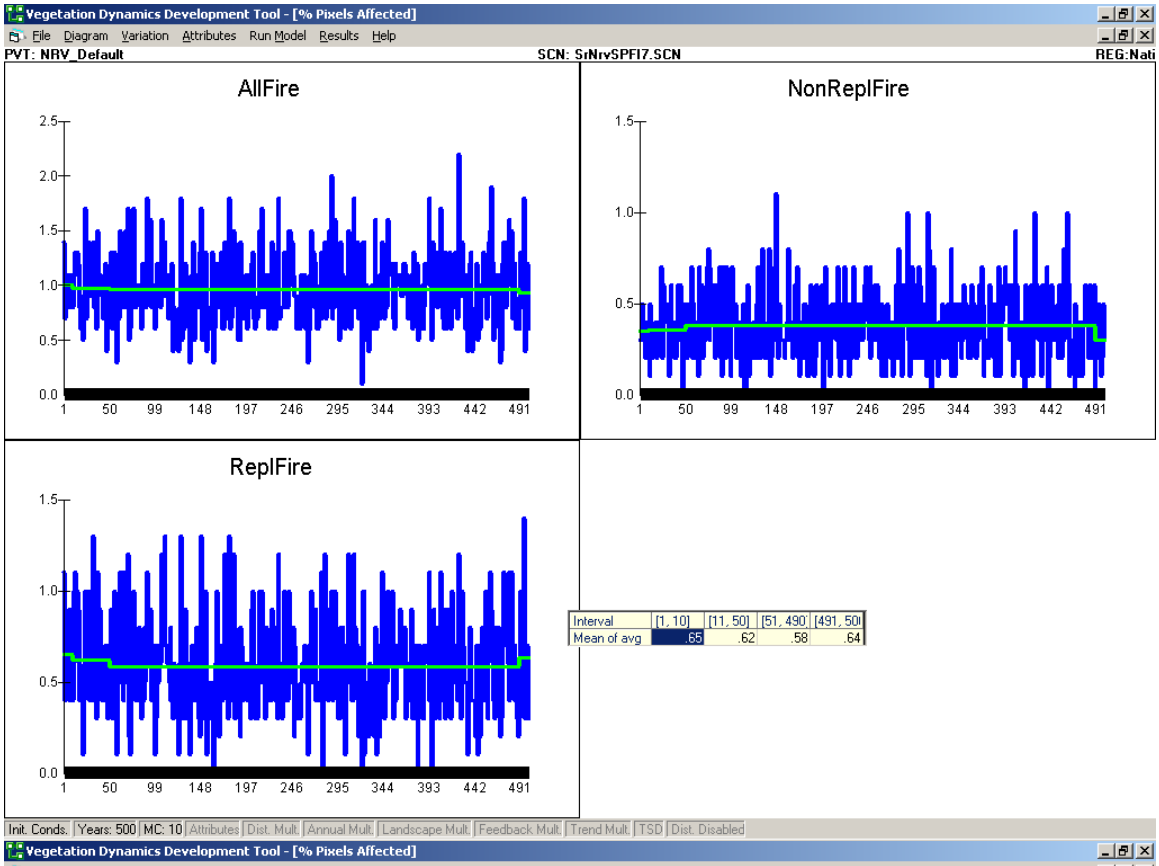
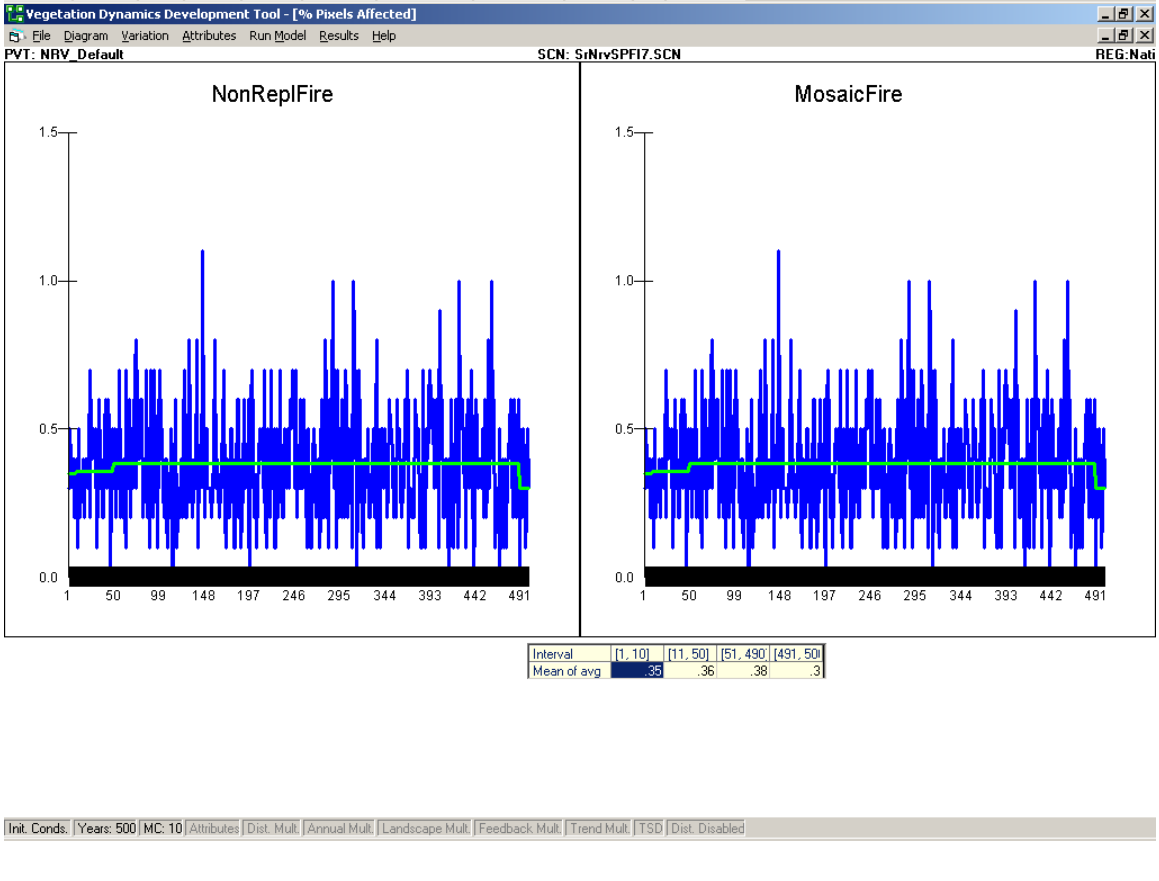

Vegetation Dynamics Development Tool - [% Pixels Affected]
File Diagram Variation Attributes Run Model Results Help
PVT: NRV_Default
SCN: SrNrvSPFI7.SCN
REG:Nati
AllFire
NonReplFire
ReplFire
Interval [1, 10) [11, 50] [51, 490 [491, 50
Mean of avg .65 .62 .58 .64
Init. Conds. Years: 500 MC: 10 Attributes Dist. Mult. Annual Mult. Landscape Mult. Feedback Mult. Trend Mult. TSD Dist. Disabled


Vegetation Dynamics Development Tool - [% Pixels Affected]
File Diagram Variation Attributes Run Model Results Help
PVT: NRV_Default
SCN: SrNrvSPFI7.SCN
REG:Nati
NonReplFire
MosaicFire
Interval [1, 10) [11, 50] [51, 490 [491, 50
Mean of avg .35 .36 .38 .3
Init. Conds. Years: 500 MC: 10 Attributes Dist. Mult. Annual Mult. Landscape Mult. Feedback Mult. Trend Mult. TSD Dist. Disabled