11/4/03 DRAFT

Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions

Modeler: Doug Havlina **Date:** 8/12/03 **PNVG Code:** CHAP4

Potential Natural Vegetation Group: Montane chaparral.

Geographic Area: California, Great Basin.

Description: PNVG commonly found from northern CA coast range to Sierra Nevada and into the Great Basin. Sites are mixed evergreen shrub associations ecotonal to mixed conifer, juniper, pine/oak woodlands, and mixed evergreen/hardwood communities. Co-dominant shrubs may include ceanothus, chinquapin, manzanita, snowberry, currant, honeysuckle, and scrub oak species. Climate ranges from xeric to Mediterranean, and sites are foothill and transitional landforms most often on south and west facing slopes.

Fire Regime Description: Fire Regime II, primarily short interval (e.g., <35 yr) stand replacement fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	25	Post-fire community of sprouting shrubs with sparse grass and forb layer
B: mid-development closed	35	Mid-seral, dense (>15%) canopy cover mixed shrub stands with depauperate understory
C: mid- open	9	Mid-seral, open (<15%) mixed shrub community with perennial grasses and forbs in interspaces
D: late- open	1	Late-seral, open (<15%) mixed shrub community with mixed shrub/herbaceous community
E: late- closed	30	Late-seral, closed (>15%) mixed shrub community with significant deadwood component
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description

Replacement Fire	.0275	85	Stand replacement crown fire typical of stages B and E
Non-Replacement Fire	.005	15	Infrequent mosaic burning in stages B and C
All Fire Frequency*	.0325	100	

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

References

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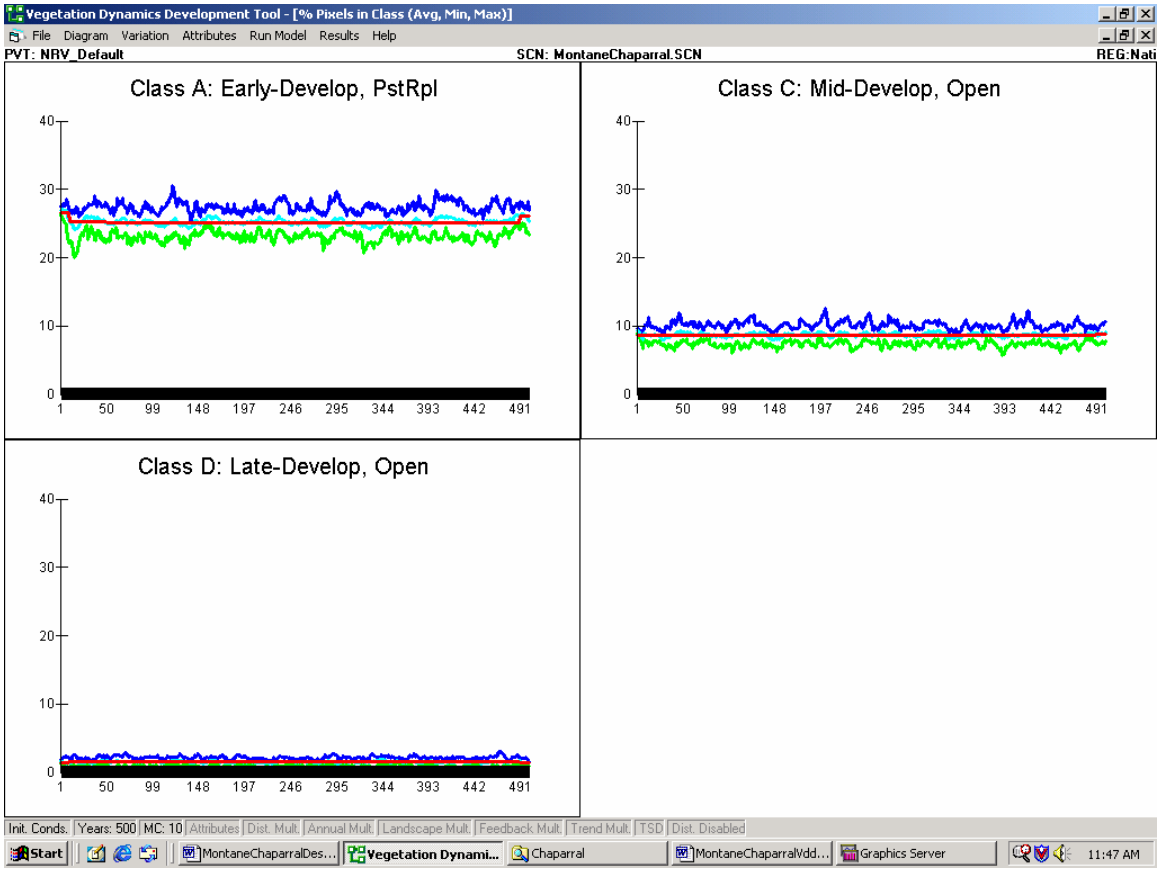
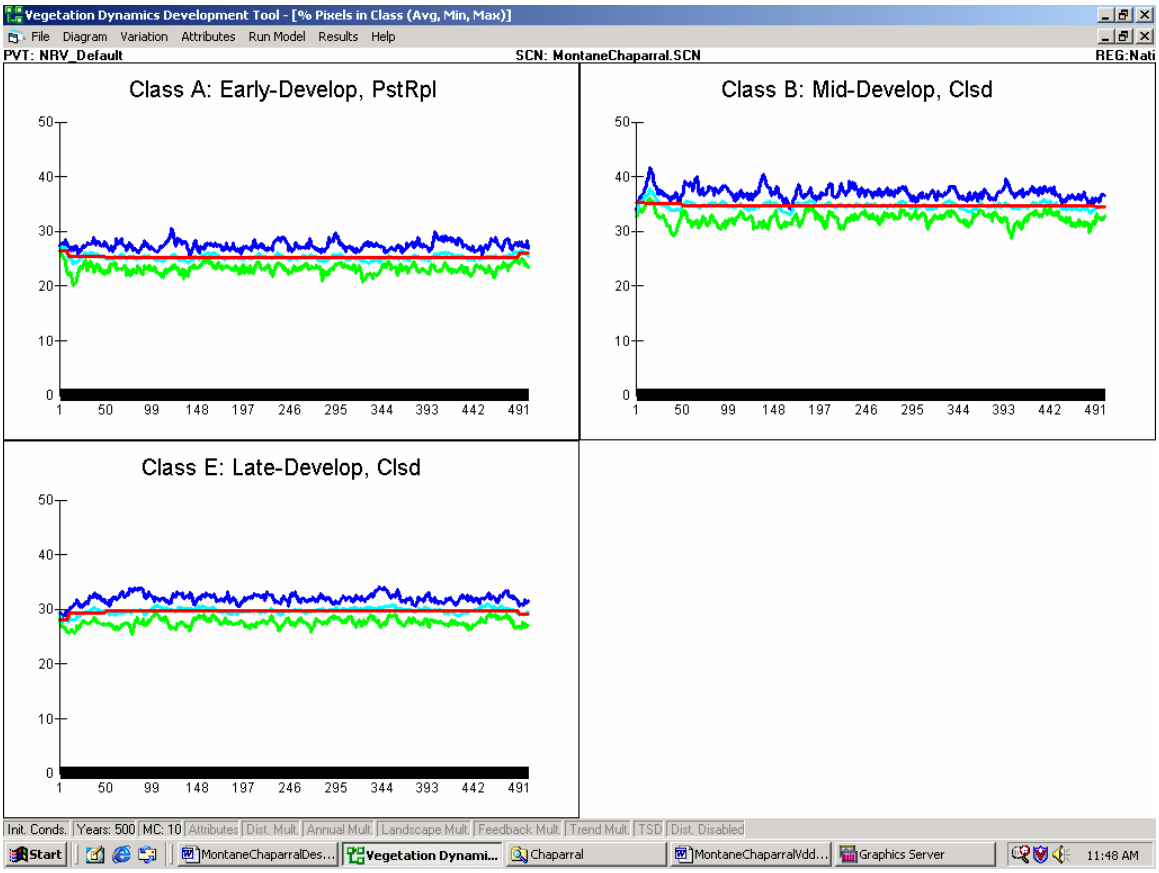
U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (2002, December). Fire Effects Information System, [Online]. Available: http://www.fs.fed.us/database/feis/ [Accessed: 1/30/03].

VDDT RESULTS

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REG:Nati
Class A: Early-Develop, PstRpl
Class B: Mid-Develop, Clsd
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 Dist. Disabled
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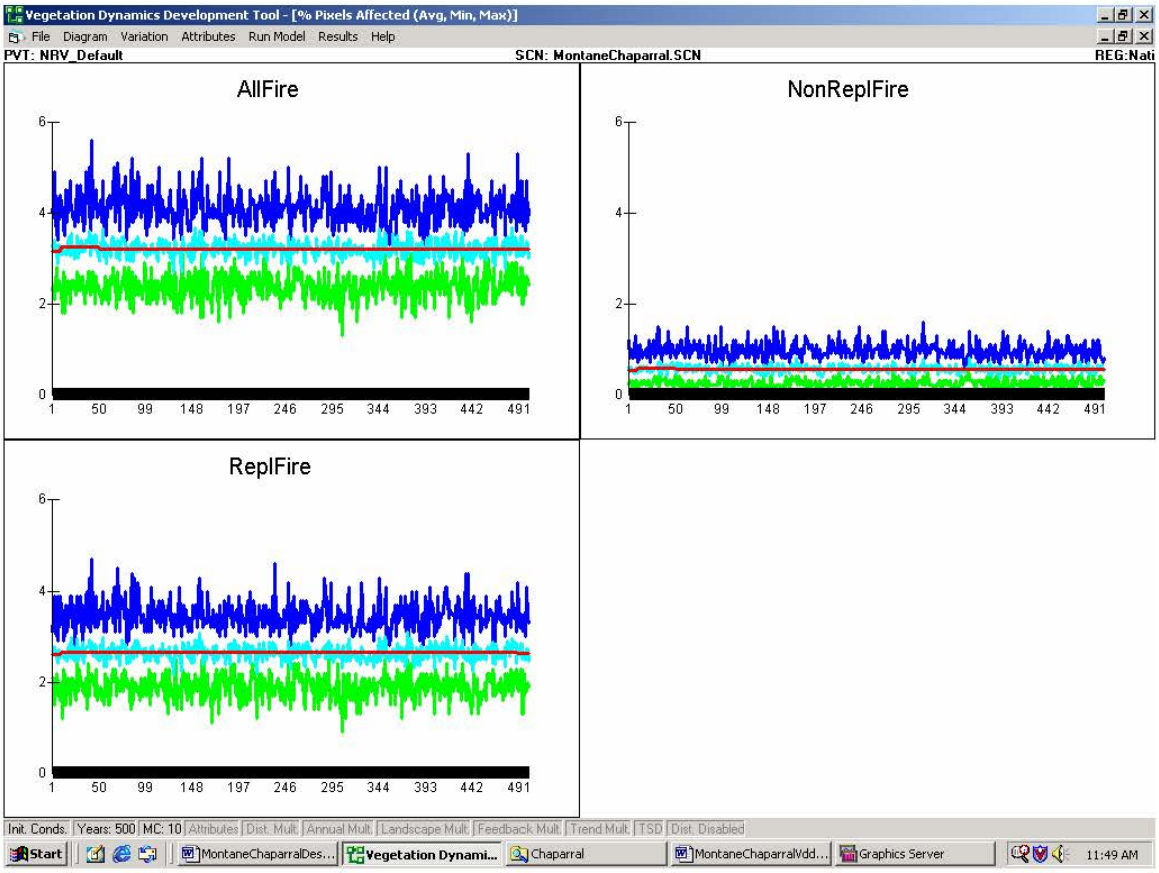
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File Diagram Variation Attributes Run Model Results Help
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REG:Nati
AllFire
NonReplFire
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4
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1 50 99 148 197 246 295 344 393 442 491
Init. Conds.
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MC: 10
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Landscape Mult.
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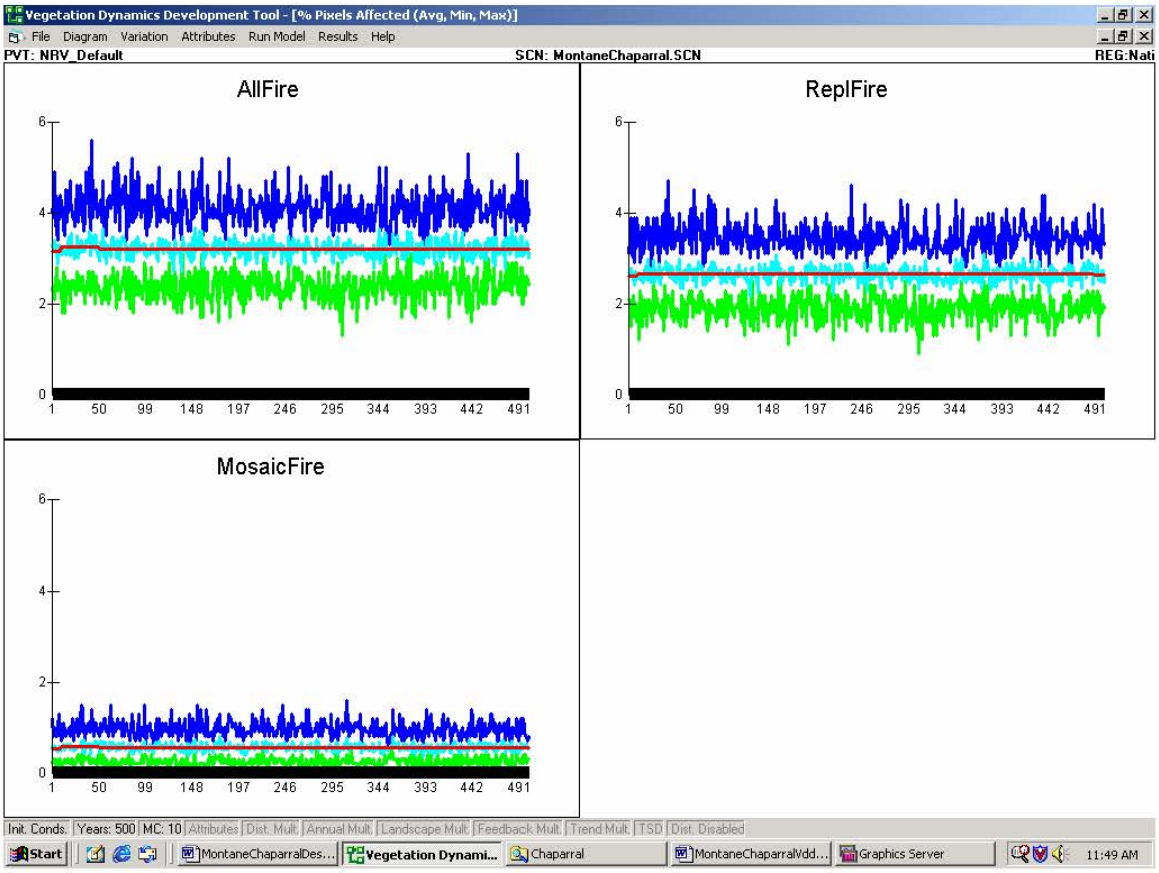
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File Diagram Variation Attributes Run Model Results Help
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SCN: MontaneChaparral.SCN
REG:Nati
AllFire
ReplFire
MosaicFire
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1 50 99 148 197 246 295 344 393 442 491
Init. Conds. Years: 500 MC: 10 Attributes Dist. Mult. Annual Mult. Landscape Mult. Feedback Mult. Trend Mult. TSD Dist. Disabled
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